Atlantic Richfield Company

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19 October 2009

Re: Feasibility Study Report
Atlantic Richfield Company 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:

FEASIBILITY STUDY REPORT
Atlantic Richfield Company Station #601
712 Lewelling Blvd., 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:

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19 October 2009

Project # 06-88-605

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BROADBENT & ASSOCIATES, INC
ENVIRONMENTAL, WATER RESOURCES & ENGINEERING

19 October 2009

Project # 06-88-605

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

Attn.: Mr. Chuck Carmel

Re: Feasibility Study Report, Atlantic Richfield Company Station #601
712 Lewelling Boulevard, San Leandro, California; ACEH Case #RO0000309

Dear Mr. Carmel:

Broadbent & Associates, Inc. (BAI) is pleased to submit this *Feasibility Study Report* for Atlantic Richfield Company (a BP affiliated company) Station #601 located at 712 Lewelling Boulevard, San Leandro, California (Site). This report was prepared in response to a directive letter from Mr. Paresh Khatri of Alameda County Environmental Health (ACEH) dated 21 August 2009.

Should you have questions or require additional information, please do not hesitate to contact me at (530) 566-1400.

Sincerely,
BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
THOMAS A. VENUS
No. 54698
Expires 12-31-09
CIVIL
STATE OF CALIFORNIA

Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Mr. Karl Busche, City of San Leandro (Submitted via GeoTracker)
Electronic copy uploaded to GeoTracker

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

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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 Feasibility Study Report for the Atlantic Richfield Company Station #601, located at 712 Lewelling Boulevard, San Leandro, California (Site). This report was prepared in response to the request within the 21 August, 2009 directive letter from Mr. Paresh Khatri of Alameda County Environmental Health (ACEH). The directive letter requested the preparation of a Feasibility Study/Corrective Action Plan to evaluate potential cleanup alternatives for the Site and derive cleanup objectives for the contaminants of concern. A copy of the ACEH letter is provided in Appendix A. This report includes discussions on the Site background and previous environmental activities, regional and Site geology and hydrogeology, a section of risk assessment, proposed cleanup levels and goals, and the feasibility study section describing various potential remediation technologies, their screening, an evaluation of their relative costs, and the recommended alternatives proposed for feasibility pilot testing. Tables, drawings and appendices referenced within this report are provided following the conclusion of the document's text.

2.0 BACKGROUND INFORMATION

2.1 Site Location

The Site is located at 712 Lewelling Boulevard in San Leandro, California. It is an active ARCO-brand gasoline station (Station #601) with convenience store. Current structures on the Site include four 10,000-gallon underground storage tanks (USTs), two fuel dispenser islands with a total of eight dispensers, and a convenience store building with two unused vehicle service bays. The majority of the Site is paved with asphalt and cement concrete. The location of the Site is shown in Drawing 1. An aerial photo showing the Site and local area development and use is provided in Drawing 2. A Site Layout Plan depicting current well locations is provided as Drawing 3.

The Site is bound by the four-to six lane Lewelling Boulevard to the northwest, the four to six-lane Washington Avenue to the east, multi-family residential dwellings of the Chateau Manor Apartments adjacent to the southwest, and a commercial building (Dentist's Office) and parking lot adjacent to the southeast. Across Washington Avenue to the east is a large parking lot and Walgreens store. Across Lewelling Boulevard to the northwest are a Speedy Smog smog check station at the corner of Washington Avenue, Salel's Mobile Home Park, and the parking lot and playground for Lewelling School further southwest. The Smog Check Station at 15275 Washington Avenue is the former Shell Gasoline Service Station #129460, an active release site (ACEH Case # RO0000372 / GeoTracker Global ID T0600101226).

2.2 Previous Environmental Activities at Site

In 1989, Applied GeoSystems, Inc. (AGS) conducted a subsurface evaluation around the USTs then present at the Site prior to their removal. The USTs then present included two 6,000-gallon and two 4,000-gallon single-walled steel gasoline USTs located in the northern corner of the

Site, and one smaller waste oil UST located at the southeast corner of the Station Building. The waste oil UST has been variously reported as to have been of 550-gallon, 300-gallon or 280-gallon capacity. Five soil borings (B-1 through B-5) were drilled in the vicinity of the USTs then present. Borings B-1 through B-4 were advanced around the former gasoline USTs while boring B-5 was advanced adjacent to the former waste oil UST. Borings were advanced to ground water, or terminated in the capillary fringe immediately above ground water. In the area of the former gasoline USTs, soil samples from borings B-1 through B-4 contained Total Petroleum Hydrocarbons in the Gasoline Range (TPH-G) up to 12,000 milligrams per kilogram (mg/kg, or parts per million – ppm) and Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) up to 60 mg/kg, 450 mg/kg, 110 mg/kg and 660 mg/kg, respectively. Soil samples from boring B-5 in the area of the former waste oil UST contained TPH-G up to 2,600 mg/kg, Total Oil & Grease (TOG) up to 4,800 mg/kg, and BTEX up to 10 mg/kg, 90 mg/kg, 21 mg/kg, and 130 mg/kg, respectively. No halogenated volatile organic compounds (HVOCs) were detected above the laboratory reporting limits. Reportedly, separate-phase hydrocarbons (SPH, or free product) were encountered in each of the five borings (AGS, 11/9/1989). Boring locations and tabulated summary results are contained within Appendix B. Copies of soil boring logs are contained within Appendix C.

In January 1990, GeoStrategies, Inc. removed the five former USTs and product lines from the Site, which had reportedly been installed circa 1974. Approximately 588 cubic yards (yd^3) of soil was removed with the former gasoline USTs and product line trenching excavation. The excavation size of approximately 35 feet by 60 feet was reportedly constrained by existing structures. Approximately 288 yd^3 of this soil contained TPH-G exceeding 1,000 mg/kg, while the remaining 300 yd^3 contained TPH-G exceeding 100 mg/kg. Approximately 15 yd^3 of soil was excavated with the former waste oil UST. Finally, approximately 950 yd^3 of soil was removed from the excavation for the replacement USTs in the southwestern portion of the Site. Reportedly the 950 yd^3 contained less than 10 mg/kg TPH-G. The former excavations were reportedly backfilled with pea gravel. However, a six-inch diameter recovery well RW-1 was installed in the pea gravel backfill for the former waste oil UST (GeoStrategies, Inc., 6/29/1990). A sample location map and tabulated summary results are contained within Appendix B.

In June of 1990, AGS drilled three soil borings (B-6, B-7, and B-8) on the Site which they completed into monitoring wells MW-1, MW-2 and MW-3. Several thin layers (less than 1½ feet thick) of sandy clay and/or clayey sands were found between eight and twelve feet below ground surface (ft bgs) in the borings. Soil samples from boring B-6 near the former waste oil UST contained TPH-G up to 420 mg/kg, Total Petroleum Hydrocarbons in the Diesel Range (TPH-D) up to 280 mg/kg, TOG up to 190 mg/kg, and BTEX up to 6.0 mg/kg, 27 mg/kg, 8.8 mg/kg, and 52 mg/kg, respectively. In addition, low concentrations of Naphthalene and 2-methylnaphthalene were reported at 2.9 mg/kg and 2.6 mg/kg, respectively, but HVOCs were below reporting limits. Soil samples from boring B-7 contained TPH-G to 9.3 mg/kg, and BTEX up to 0.99 mg/kg, 0.71 mg/kg, 0.50 mg/kg and 1.3 mg/kg, respectively. Soil samples from boring B-8 in the southwest corner of the Site contained TPH-G up to 620 mg/kg, and BTEX up to 11 mg/kg, 30 mg/kg, 16 mg/kg and 82 mg/kg, respectively. The newly-constructed wells were developed on 11 July 1990 and sampled on 17 July 1990. Floating SPH or suspended emulsified product was found within samples from MW-1 and MW-3 and consequently not analyzed at the laboratory (AGS, 12/14/1990). Boring locations and tabulated summary results are contained within Appendix B. Copies of soil boring logs and monitoring well construction

logs are contained within Appendix C. Copies of constructed geologic cross-sections are contained within Appendix D.

In May of 1991, RESNA/AGS drilled six soil borings (B-9 through B-13 plus B-11A) on the Site, converting five into wells MW-4 through MW-8. Concentrations of TPH-G were reported up to 2,700 mg/kg in boring B-10 (MW-5) located immediately west of the former USTs. Samples of ground water were collected from wells MW-2, MW-5 and MW-8. However, MW-1 and MW-3 had SPH, while MW-4, MW-6, and MW-7 were dry. A soil vapor extraction test was performed from wells MW-1 through MW-6. It was reported that vapor extraction efficiency was limited by the thin vadose zone and low permeability soils. A well search conducted to a half-mile radius found 69 wells: two domestic (both upgradient), one cathodic protection (upgradient at an Exxon Station), 27 MWs, 32 irrigation wells (most to the west and northwest), four test wells (three to the north and one to the south), two abandoned wells (north and south), and one of unidentified use (to the northeast). Finally, records research for possible secondary sources of contamination found Shell Station #129460 at 15275 Washington Avenue, Greenhouse Plaza at 699 Lewelling Boulevard, GASCO Station #798 at 15201 Washington Avenue, and a Mobil Station at 15119 Washington Avenue, and California Department of Transportation site at 600 Lewelling Boulevard (Located across Lewelling Boulevard upgradient across intersection).

Starting in August 1992, RESNA Industries, Inc. (RESNA) performed additional subsurface soil and ground-water investigation at the Site. Five onsite soil borings (B-16, B-17, and B-20 through B-22) and two offsite borings (B-18 and B-19) were drilled. Onsite borings B-16 and B-17 were drilled in October 1992 and converted into wells MW-11 and MW-12 (Access had not yet been granted to install proposed MW-9 and MW-10 on the adjacent downgradient property). Offsite borings B-18 (11/19/1992) and B-19 (8/7/1992) were drilled and converted into wells MW-13 and MW-14, respectively. RESNA reported finding more interbedded sand within silty clay strata (RESNA, 3/3/1993).

Also in October 1992, RESNA conducted an investigation to evaluate the presence of hydrocarbon-impacted soil encountered by Pacific Gas & Electric Company (PG&E) during a trenching operation to replace gas lines in the public right of way along the northwestern border of the Site. Nine soil borings (B-23 through B-31) were drilled in Lewelling Boulevard. Borings encountered native silts and clays, except boring B-23 which encountered sandy trench backfill. Some sand lenses encountered above the water table were water bearing. Subsurface soils in the vadose zone of alignment appear to have been impacted by low concentrations of TPH-G up to 20 mg/kg, and BTEX up to 2.7 mg/kg in borings B-23 through B-28 and B-31. Subsurface soils in the capillary fringe zone, above first encountered ground water (depths of seven to ten ft bgs) in borings B-24, B-27 and B-31 appear to have been impacted with TPH-G greater than 100 mg/kg. Borings B-29 and B-30 appeared to have delineated the lateral extent of subsurface contamination. The vertical extent of contamination was delineated along the alignment to a depth of 15½ ft bgs (RESNA, 2/3/1993).

In December 1992, the California Regional Water Quality Control Board (RWQCB) issued Cleanup and Abatement Order # 92-147 (CAO 92-147) to Atlantic Richfield Company and Mr. John J. Sullivan, owner of the adjacent downgradient property. This order required an access agreement be made between Atlantic Richfield Company and Mr. Sullivan for the purpose of

allowing the required additional investigation of ground water and soil downgradient of the Site, or for Mr. Sullivan to submit a work plan to conduct the investigation himself.

In March 1993, RESNA drilled offsite borings B-32A and B-32B, the latter being converted into well MW-15. In May 1993, RESNA drilled offsite borings B-33 and B-34 on the Sullivan property downgradient from the Site. Borings B-33 and B-34 were converted into wells MW-10 and MW-9, respectively. TPH-G in soil appeared to have been delineated to less than 1.0 mg/kg offsite to the east, southeast, west, and southwest, and onsite in the southeastern portion of the Site. Soil appeared to be vertically delineated to less than 100 mg/kg at a depth of about 15 ft beneath the Site in the silty clay confining layer beneath thin, water-bearing sandy layers. At the time, ground water impacted by TPH-G appeared delineated to the east (MW-12), northeast (MW-13), southeast (MW-14), west (MW-15), and southwest of the Site (MW-9 and MW-10). RESNA also performed step-drawdown pumping tests on wells MW-8 and MW-12, and performed two 12-hour pumping tests on well MW-8 at different pumping rates. Based on their findings from the pumping tests, RESNA concluded that pump and treat would not be a viable technology for ground-water remediation at the Site.

In 1997, EMCON conducted a soil gas investigation and risk-based corrective action (RBCA) analysis. Seven soil gas borings detected no BTEX from samples collected at 1-1½ ft bgs. Benzene was detected at 0.5 milligrams per cubic meter (mg/m^3) at 4 ft bgs behind the station building. The RBCA evaluation was reportedly conducted consistent with guidelines then established by the American Society of Testing and Materials (ASTM). EMCON concluded that the results showed that concentrations of BTEX detected in soil and ground water at the Site did not exceed concentrations that correspond to acceptable levels of risk. However, potential pathways and receptors for the migration of hydrocarbons in utility trenches offsite were being investigated at the time. EMCON stated that additional RBCA evaluation could be performed at a future date if necessary (EMCON, 6/9/1997).

In May 2002, Delta Environmental Consultants, Inc. (Delta) advanced three hand-auger borings (HB-2 through HB-4) to approximately 10½ ft bgs adjacent to the Oro Loma sanitary sewer pipeline within Lewelling Boulevard. Upgradient hand-auger boring HB-1 closest to the intersection of Lewelling Boulevard and Washington Avenue was not advanced due to potential conflict with an in-ground sensor for the traffic signal. Grab samples of water collected from HB-2, HB-3, and HB-4 contained TPH-G at 28,000 µg/L, 38,000 µg/L, and 630 µg/L, respectively. Benzene was detected in HB-2, HB-3, and HB-4 samples at 570 µg/L, 1,200 µg/L, and 62 µg/L, respectively. Methyl-Tertiary Butyl Ether (MTBE) was detected in the sample from HB-4 at 160 µg/L (Delta, 7/31/2002).

In June 2003, Wilcon Builders excavated and removed the dispensers and product piping. URS Consultants, Inc. (URS) reported no obvious soil staining at the soil sample locations. Slight hydrocarbon odors were reported beneath the pipelines at sample locations PL-2, PL-7 and PL-13. Strong hydrocarbon odors were reported at dispenser sample location D-6 with photo-ionization detector (PID) measurements up to 685 parts per million (ppm) at D-6. Eight soil samples designated D-1 through D-8 were collected between 4-5 ft bgs. Sample D-6 contained BTEX at 7 mg/kg, 230 mg/kg, 55 mg/kg, and 350 mg/kg, respectively. Twelve soil samples designated PL-1 through PL-4, and PL-7 through PL-14 were collected between 4-6 ft bgs. Samples PL-2 and PL-3 contained very low concentrations of BTEX. No MTBE was found in the soil samples. Wilcon Builders also removed and replaced the concrete pad covering the

USTs so new plumbing and sumps could be installed. Ground water was encountered during dewatering of the pit and stored in a 21,000 gallon Baker tank until full. A sample of water from the Baker tank did not contain BTEX above the laboratory reporting limits, but did contain MTBE at 290 µg/L (URS, 10/9/2003).

In 2004, URS administered an oxygen release compound (ORC) to onsite wells MW-2, MW-3, MW-5, and MW-8.

In November 2006, Stratus Environmental, Inc. (Stratus), under direction from BAI, advanced one soil boring and one Hydropunch boring both to a depth of 58 ft bgs in the southern portion of the Site to characterize soil types and delineate the vertical extent of contamination. Thin stringers of clayey sand were encountered at 24½-26½ ft bgs, 46½-47 ft bgs, and 53-54 ft bgs until encountering sand with clay from 55-58 ft bgs (the total depth). Otherwise subsurface soil was logged as clay. Samples collected from these sand stringers did not contain BTEX, MTBE, GRO or Oil-Range Organics above the laboratory reporting limits. Low concentrations of a contaminant which eluted in the Diesel Range Organics (C10-C28) were found, however, the laboratory reported that the chromatogram profiles did not resemble the referenced fuel standard (BAI, 3/28/2007).

An *Initial Site Conceptual Model with Soil & Ground-Water Investigation Work Plan* was submitted to ACEH on 24 March 2009 as requested in their letter dated 14 November 2008. The soil and ground-water investigative activities proposed within that document were approved with comments by ACEH in their letter dated 2 April 2009 and performed during June 2009. On 11-12 June 2009, six soil vapor sampling wells (SG-9 through SG-14) were installed on-site to assess vapor intrusion as a potential migration pathway. A very minor concentration of Toluene (0.0033 milligrams per cubic meter) was detected in soil vapor sampling point SG-11. No other constituents were detected above their respective laboratory reporting limits. Oxygen and Carbon Dioxide were also detected in the soil gas at concentrations suggesting that biodegradation of petroleum hydrocarbon contaminants was occurring in the subsurface soils. The detected Toluene concentration was below the Environmental Screening Level (ESL) established by the San Francisco Regional Water Quality Control Board (SFRWQCB). A detailed description of field activities and results associated with this vapor intrusion assessment can be found in the *Vapor Intrusion Assessment and Soil & Ground-Water Investigation Report* (BAI, 8/6/2009).

On 12 June 2009, four soil borings were advanced on-site and completed as wells MW-16 through MW-19 in order to further characterize residual hydrocarbon contamination within source area soils and install replacement monitoring wells for existing wells MW-4 through MW-7, which have periodically been observed as dry in the past. A total of 24 soil samples were collected during well installation activities. GRO concentrations were detected above laboratory reporting limits in 15 of the 24 soil samples collected. Minimal BTEX concentrations were also observed in several of the soil samples collected. A detailed description of field activities and results associated with this soil and ground-water investigation can be found in the *Vapor Intrusion Assessment and Soil & Ground-Water Investigation Report* (BAI, 8/6/2009).

Quarterly ground-water monitoring at the Site was initiated in June 1990. Recent ground-water monitoring data is provided in Tables 1-5. Historic ground water and soil analytical data, soil

boring and well construction logs, and geologic cross-sections are provided within Appendices B through D.

2.3 Previous Environmental Activities at Adjacent Former Shell Station

As mentioned in Section 2.1, the Site is located south of Former Shell Station #129460, an active release site (ACEH Case # RO0000372 / GeoTracker Global ID T0600101226). The former Shell Station is located immediately north of Lewelling Boulevard, on the northwest corner of Lewelling Boulevard and Washington Avenue at 15275 Washington Avenue. A full description of previous environmental activities at this adjacent leak case is beyond the scope of this document. However, some background and specific historical information is useful with respect to Station #601. According to GeoTracker, the leak at the former Shell Station was discovered on 23 July 1985, reported on 16 August 1986, and stopped on 11 June 1987. In November 1988, several additional monitoring wells were installed to support subsurface characterization associated with the former Shell Station, including wells S-8, S-10, S-11 and S-12. In March 1989, several more monitoring wells were installed for characterization of the former Shell Station ground-water contamination, including wells S-13 and S-14. Monitoring wells S-8 and S-10 are located just northwest of Lewelling Boulevard, across the street from Station #601. Monitoring wells S-11, S-12 and S-13 are located near the centerline of Lewelling Boulevard, between the former Shell Station and Station #601. Finally, well S-14 is located within the southeastern side of Lewelling Boulevard, just northwest of Station # 601. Locations of Shell wells S-8, S-10, S-11, S-12, S-13, and S-14 are exhibited in Drawing 3. Copies of the boring logs and well construction diagrams for these specific Shell monitoring wells are provided within Appendix E. Also provided within Appendix E is a tabular summary of monitoring data for the wells associated with the former Shell Station #129460.

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/SRFWQCB, 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 ground-water flow is from east to west or from the Hayward Fault to the San Francisco Bay. Ground-water flow direction generally correlates to topography. Flow direction and velocity are also influenced by buried stream channels that typically are 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 ground water 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 ground-water 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 Basin Plan denotes existing beneficial uses of municipal and domestic supply (MUN), industrial process supply (PROC), industrial service supply (IND), and agricultural supply (AGR) for the East Bay Plain ground-water 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. Ground-water depth has varied across the Site and through time from approximately 4.46 ft to 10.66 ft. Based on ground-water elevation data, the ground-water flow direction at the Site has varied predominately between southwest and east-southeast. Historically, the ground-water gradient at the Site has ranged from 0.001 ft/ft to 0.053 ft/ft. Historic ground-water flow directions and gradients are provided in Table 3. A rose diagram showing the percentage occurrence of historic ground-water flow directions is provided at the bottom of Table 3. Drawing 4 presents the ground-water elevation contours and analytical results from the Third Quarter 2009 monitoring event on 21 July 2009.

Soil types appear defined at the Site. Based on soil borings logged at the Site since 1989, the shallow local water-bearing zone consists of one to three thin (1/2 to 5 feet thick) silty sand to clayey sand layers at depths ranging from 2 to 14 ft bgs. 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 ft bgs, clay, silty clay and occasional sandy clay are continuous to a depth of 53 ft bgs. Copies of Station #601's lithologic soil boring logs and well construction details are provided within Appendix C. Constructed geologic cross-sections are provided within Appendix D. Copies of soil boring logs and well construction details for specific wells associated with former Shell Station #129460 are provided within Appendix E.

4.0 RISK ASSESSMENT

4.1 Site Conceptual Exposure Model

The Site is currently an operational ARCO-brand service station owned by BP. The Site is open to the public, employees, and by authorized environmental professionals performing sampling or other relevant activities. Review of historical investigation data indicates that the majority of residual soil and ground-water contamination associated with the Site is at depths generally greater than six feet bgs and downgradient of the UST complex area. Public and general

occupational direct exposure to these secondary sources of contamination is believed to be remote and/or of short duration.

4.2 Exposure Pathways

Potential exposure pathways associated with this Site include human inhalation, ingestion, and absorption risks of contaminated soil and ground water by environmental professionals. A remote but unknown potential exposure pathway might be human inhalation, ingestion, and absorption by tradesmen in the underground utility installation and maintenance occupations. The 1997 soil gas investigation with RBCA was reportedly undertaken consistent with ASTM guidelines of the time. The objective was to evaluate whether volatile hydrocarbons in shallow soil and ground water might present the potential for vapor migration and intrusion to indoor air within the Station building and/or adjacent offsite apartment building. In 1997, EMCON concluded that the concentrations of BTEX detected in soil and ground water at the Site did not exceed concentrations that correspond to acceptable levels of risk (EMCON, 1997).

Relatively low concentrations (less than 10 µg/L) of the volatile hydrocarbons BTEX and MTBE have been recently reported in well MW-6 adjacent to the Station building, with TAME occasionally reported but at less than 100 µg/L. Low concentrations of MTBE (less than 10 µg/L) but no BTEX or other oxygenates have been recently reported in wells MW-8, MW-9 and MW-10 in the vicinity of the adjacent Chateau Manor apartments building.

In his letter dated 14 November 2008, Mr. Paresh Khatri of ACEH requested collection of soil vapor samples utilizing more current methodologies to evaluate the risk of vapor intrusion to on-site and off-site receptors. In June 2009, a low concentration of Toluene was detected in one of six soil gas samples. However, this concentration was below the ESL established by the SFRWQCB. No other petroleum hydrocarbon contaminants were detected above their respective laboratory reporting limits. Oxygen and Carbon Dioxide were also detected in the soil gas at concentrations suggesting that biodegradation was occurring in the subsurface soils.

4.3 Risk Assessment Status

A formal Risk Assessment has not been performed for this Site. Based on the geologic/ hydrogeologic characteristics and limited viable exposure pathways, consideration should be given to development of risk-based cleanup levels in lieu of strict adherence to Maximum Contaminant Levels for drinking water, Environmental Screening Levels or California Human Health Screening Levels.

4.4 Identified Human Exceedances

Human exceedances are unknown at this time but unlikely due to the geologic/hydrogeologic characteristics and location of the contaminants.

4.5 Identified Ecological Exceedances

Ecological exceedances are unknown at this time but unlikely due to the geologic/hydrogeologic characteristics and location of the contaminants.

5.0 CLEANUP LEVELS AND GOALS

It is proposed to utilize the ESLs prepared by the SFRWQCB as the targeted cleanup levels for the Site. Based on current conditions at the Site, the results of previous risk-based analyses conducted for the Site, and the fact that no plans to use local ground-water resources for drinking water purposes are in place, the ESLs provide adequate guidelines for successful soil and ground-water cleanup at the Site. The following table depicts current concentrations of the Constituents of Concern along with their respective ESLs.

Constituents Of Concern	Soil		Ground Water	
	Concentration (a)	ESL (b)	Concentration (c)	ESL (d)
	Milligrams per kilogram (mg/kg)	mg/kg	Micrograms per Liter (µg/L)	µg/L
GRO	**1,200**	180	**720,000**	210
Benzene	0.17	2	**310**	46
Toluene	2.2	9.3	**160**	130
Ethylbenzene	**20**	4.7	**2,300**	43
Total Xylenes	**71**	8.4	**9,000**	100
MTBE	Not Detected	8.4	4.8	1,800
TBA	Not Detected	110	10	18,000

Notes:
(a) Soil concentrations based on highest observed values from boring investigation conducted in June 2009.
(b) Applicable ESLs are from Table D-1, Deep Soils (residential land use) where ground water is not a current or potential drinking water source.
(c) Ground-water concentrations based on highest observed values from Fourth Quarter 2008 to Third Quarter 2009.
(d) Applicable ESLs are from Table F-1b, Groundwater Screening Levels where ground water is not a current or potential drinking water source.
(e) Values in bold exceed their respective ESLs.

Recent concentrations of Benzene and Toluene within soils on-site are currently below their respective ESLs. Concentrations of tert-Butyl alcohol (TBA) and Methyl tert-butyl ether (MTBE) in ground water are currently below the ESLs of 18,000 µg/L and 1,800 µg/L, respectively. An ESL is not currently available for tert-Amyl methyl ether (TAME), which has been observed at minor concentrations within ground-water samples collected at the Site.

6.0 FEASIBILITY STUDY

6.1 Screening of Remediation Technologies

Several potential full-scale remediation technologies described within the *Remediation Technologies Screening Matrix and Reference Guide, 4th Edition* (Federal Remediation Technologies Roundtable, 2002) were evaluated to identify feasible remediation alternatives for the conditions and

contamination at the Site. The Federal Remediation Technologies Roundtable is a working group including the Federal Environmental Protection Agency, Department of Defense, Department of Energy, Department of the Air Force, Department of the Interior, Department of the Army, Department of the Navy, and National Aeronautics and Space Administration. Of the approximately 60 remediation technologies described, most of which were eliminated directly, six remediation technologies were screened for viability in this section. In addition to the technologies listed, a No-Action option was evaluated as requested by the ACEH. The No-Action option is typically included in feasibility studies to represent the baseline do-nothing action for comparison purposes. The technologies assessed in this initial screening are listed in the matrix below. Also presented is the media each technology would address.

Summary of Remediation Technologies Evaluated

	Media	
Remediation Technology	**Soil**	**Water**
No Action		
Monitored Natural Attenuation		X
Air Sparging	(X)	X
Soil Vapor Extraction	X	
Dual-Phase Extraction and Treatment	X	X
In-Situ Chemical Oxidation	X	X
Enhanced Bioremediation	X	X

6.1.1 No Action

Based on the hydrocarbon concentration trends in ground water, the no action option is not expected to be acceptable to ACEH or the SFRWQCB. The no-action option will be retained as a baseline for comparison.

6.1.2 Monitored Natural Attenuation

Monitored Natural Attenuation (MNA) is sometimes referred to as Intrinsic Remediation, Bioattenuation, or Intrinsic Bioremediation. Natural subsurface processes such as dilution, volatilization, biodegradation, adsorption, and chemical reactions with subsurface materials are allowed to reduce contaminant concentrations to acceptable levels. MNA is not a "technology" per se, and there is significant debate among technical experts about its use at contaminated sites. Consideration of this option usually requires modeling and evaluation of contaminant degradation rates and pathways and predicting contaminant concentration at down-gradient receptor points. The primary objective of site modeling is to demonstrate that natural processes of contaminant degradation will reduce concentrations below regulatory standards or risk-based levels before potential exposure pathways are completed. In addition, long-term monitoring must be conducted throughout the process to confirm that degradation is proceeding at rates consistent with meeting cleanup objectives.

Monitored Natural Attenuation is not the same as the "No Action" alternative, although it is often perceived as such. The Comprehensive Environmental Response, Compensation and Liability Act of 1980 requires the evaluation of the "No Action" alternative but does not require evaluation of Natural Attenuation. MNA is considered on a case-by-case basis, and guidance on its use is still

evolving. Compared with other remediation technologies, natural attenuation has the following advantages:

- Less generation or transfer of remediation wastes;
- Less intrusive as few surface structures are required;
- May be applied to all or part of a given site, depending on site conditions and cleanup objectives;
- MNA may be used in conjunction with, or as a follow-up to, other (active) remedial measures;
- Overall cost will likely be lower than active remediation.

Factors that may limit applicability and effectiveness include:

- Data used as input parameters for modeling need to be collected;
- MNA is not appropriate where imminent site risks are present;
- Contaminants may migrate before they are degraded;
- Institutional controls (Environmental Liens or Activity and Use Limitations) may be required, and the site may not be available for reuse until contaminant levels are reduced;
- If free product exists, it may have to be removed;
- Long-term monitoring and associated costs;
- Longer time frames may be required to achieve remediation objectives, compared to active remediation;
- The hydrologic and geochemical conditions amenable to MNA are likely to change over time and could result in renewed mobility of previously stabilized contaminants and may adversely impact remedial effectiveness; and
- More extensive outreach efforts may be required in order to gain public acceptance of MNA.

Based on the hydrocarbon concentration trends in ground water at the Site, a remediation strategy that employs monitored natural attenuation (MNA) would not be expected to be acceptable to ACEH unless implemented in conjunction with an active form of remediation or unless MNA-specific monitoring indicates that natural attenuation processes are occurring at the Site. MNA is retained for possible combination with other active technologies.

6.1.3 Air Sparging

Air Sparging is an in situ technology in which air is injected through a contaminated aquifer. Injected air traverses horizontally and vertically in channels through the soil column, creating an underground stripper that removes contaminants by volatilization. This injected air helps flush (bubble) the contaminants up into the unsaturated zone where a vapor extraction system is usually implemented in conjunction with air sparging to remove the generated vapor phase contamination. This technology is designed to operated at high flow rates to maintain increased contact between ground water and soil and strip more ground water by sparging. Oxygen added to contaminated ground water and vadose zone soils can also enhance biodegradation of contaminants below and above the water table. Air Sparging has a medium to long duration which may last, generally, up to a few years.

Factors that may limit the applicability and effectiveness of the process include:

- Air flow through the saturated zone may not be uniform, which implies that there can be uncontrolled movement of potentially dangerous vapors.
- Depth of contaminants and specific site geology must be considered.
- Air injection wells must be designed for site-specific conditions.
- Soil heterogeneity may cause some zones to be relatively unaffected.

The predominant clay layers observed on-site from the surface to below ground water at the Site is thought to reduce the likely effectiveness of air sparging at the Site. Therefore, Air Sparging will not be retained for further consideration and evaluation.

6.1.4 Soil Vapor Extraction

Soil Vapor Extraction (SVE) is an *in-situ* unsaturated (vadose) zone soil remediation technology in which a vacuum is applied to the soil to induce the controlled flow of air and remove volatile contaminants from the soil. The gas leaving the soil may be treated to recover or destroy the contaminants, depending on local and state air discharge regulations. Vertical extraction vents are typically used at depths of five feet or greater and have been successfully applied as deep as 300 feet. Horizontal extraction vents (installed in trenches or horizontal borings) can be used as warranted by contaminant zone geometry, drill rig access, or other site-specific factors. For the soil surface, geomembrane covers are often placed over the soil surface to prevent short circuiting and to increase the radius of influence of the wells. Ground-water depression pumps may be used to reduce ground water upwelling induced by the vacuum or to increase the depth of the vadose zone. Air injection is effective for facilitating extraction of deep contamination, contamination in low permeability soils, and contamination in the saturated zone. The duration of operation and maintenance for in situ SVE is typically medium- to long-term.

Factors that may limit the applicability and effectiveness of the process include:

- Soil that has a high percentage of fines and a high degree of saturation will require higher vacuums (increasing costs) and/or hindering the operation of the SVE system.
- Large screened intervals are required in extraction wells for soil with highly variable permeabilities or stratification, which otherwise may result in uneven delivery of gas flow from the contaminated regions.
- Soil that has high organic content or is extremely dry has a high sorption capacity for VOCs, which results in reduced removal rates.
- Exhaust air from a SVE system may require treatment to eliminate possible harm to the public and the environment.
- As a result of off-gas treatment, residual liquids may require treatment/disposal. Spent activated carbon will require regeneration or disposal.
- SVE is not effective in the saturated zone. However, lowering the water table can expose more media to SVE (this may address concerns regarding Light, Non-Aqueous Phase Liquids – LNAPLs).

The critical factor that limits the applicability and effectiveness of this process at the Site is the presence of low permeability soils. Therefore, SVE alone will not be retained for further consideration and evaluation due to the extensive presence of clays and silts at the Site which would

severely reduce SVE performance, and its inability to directly address ground-water contamination. Furthermore, SVE has already been tested at the Site with very limited success.

6.1.5 Dual-Phase Extraction and Treatment

Dual-Phase Extraction (DPE), also known as multi-phase extraction and vacuum enhanced extraction, is a technology that uses a high vacuum system to remove various combinations of contaminated ground water, separate-phase petroleum hydrocarbons, and hydrocarbon vapor from the subsurface. Extracted liquids and vapors are treated and collected for disposal, or re-injected to the subsurface (where permissible under applicable state laws). In DPE systems for liquid/vapor treatment, a high vacuum system is used to remove liquid and gas from low permeability or heterogeneous formations. The vacuum extraction well includes a screened section in the zone of contaminated soils and ground water. It removes contaminants from above and below the water table. The system lowers the water table around the well, exposing more of the formation. Contaminants in the newly exposed vadose zone are then accessible to vapor extraction. Once above ground, the extracted vapors or liquid-phase organics and ground water are separated and treated.

Factors that may limit the applicability and effectiveness of the process include:

- Site geology and contaminant characteristics/distribution.
- Combination with complementary technologies (e.g., pump-and-treat) may be required to recover ground water from high yielding aquifers.
- DPE requires both water treatment and vapor treatment.
- Soil type determines permeability, which is the primary cost driver. DPE works best for permeable sand-silt mixtures. Impermeable (clayey) or excessively permeable (gravel/sand) soils are more recalcitrant.

The critical factor that limits the applicability and effectiveness of this process at the Site is the presence of low permeability soils. However, the presence of silty and clayey sand layers interbedded within the unsaturated clay and silty clay layers present on-site may enhance the effectiveness of DPE by increasing the area of influence of each extraction well and air flow through the soils. By drawing the water table down, more of these sandy layers could potentially be exposed and affected by DPE. Therefore, DPE will be retained for further consideration and evaluation.

6.1.6 In-Situ Chemical Oxidation

In-situ chemical oxidation encompasses a wide range of technologies, including liquid chemical oxidant injection (e.g., hydrogen peroxide) and injection of air or ozone into the subsurface. The objective is to increase the oxygen content of ground water and enhance the rate of aerobic degradation of organic contaminants by naturally occurring microbes. For best results, factors that must be considered include redox conditions, saturation rates, presence of nutrient trace elements, pH, temperature, and permeability of the subsurface materials. In-situ chemical oxidation is a full-scale technology.

The following general factors may limit the applicability and effectiveness of the process:

- A ground-water circulation system may need to be created so that contaminants do not escape from zones of active biodegradation.

- Where the subsurface is heterogeneous, it is difficult to circulate the oxygenated solution throughout every portion of the contaminated zone. Higher permeability zones are cleaned up much faster because ground water flow rates are greater.
- High iron content in subsurface materials can rapidly reduce concentrations of oxygenated solutions.
- Amended hydrogen peroxide can be consumed very rapidly near the injection well, which can create two significant problems: biological growth can be limited to the region near the injection well, limiting adequate contamination/micro-organism contact throughout the contaminated zone; and biofouling of wells can retard the input of nutrients.
- A surface treatment system, such as air stripping or carbon adsorption, may be required to treat extracted ground water prior to re-injection or disposal.

In-situ chemical oxidation is a potentially effective treatment technology for the Site and will be retained for further evaluation and comparison of viable treatment alternatives.

6.1.7 Enhanced Bioremediation

Enhanced Bioremediation is a process in which indigenous or inoculated micro-organisms (e.g., fungi, bacteria, and other microbes) degrade (metabolize) organic contaminants found in soil and/or ground water, converting them to innocuous end products. Nutrients, oxygen, or other amendments may be used to enhance bioremediation and contaminant desorption from subsurface materials. In the presence of sufficient oxygen (aerobic conditions), and other nutrient elements, microorganisms will ultimately convert many organic contaminants to carbon dioxide, water, and microbial cell mass.

Enhanced Bioremediation typically involves the percolation or injection of ground water or uncontaminated water mixed with nutrients and saturated with dissolved oxygen. Sometimes acclimated microorganisms (bioaugmentation) and/or another oxygen source such as hydrogen peroxide is also added. An infiltration gallery is typically used for shallow contaminated soils, and injection wells are used for deeper contaminated soils and ground water.

In the absence of oxygen (anaerobic conditions), the organic contaminants will be ultimately metabolized to methane, limited amounts of carbon dioxide, and trace amounts of hydrogen gas. Under sulfate-reduction conditions, sulfate is converted to sulfide or elemental sulfur. Under nitrate-reduction conditions, dinitrogen gas is ultimately produced.

Enhanced Bioremediation may be classified as a long-term technology which may take several years for cleanup of a plume. However, factors that may limit the applicability and effectiveness of the process include:

- Cleanup goals may not be attained if the soil matrix prohibits contaminant-microorganism contact.
- The circulation of water-based solutions through the soil may increase contaminant mobility and increase contaminant mobility and concentrations of the underlying ground water.
- Preferential colonization by microbes may occur causing clogging of nutrient and water injection wells.

- Preferential flow paths may severely decrease contaminant contact between injected fluids and contaminants through the contaminated zones. System is not optimal for clay, highly layered, or heterogeneous subsurface environments because of oxygen (or other electron acceptor) transfer limitations.
- Concentrations of hydrogen peroxide greater than 100-200 ppm in ground water inhibit the activity of microorganisms.

After review of the first round of bio-degradation parameters collected during the Third Quarter 2009 (Table 5), it appears that anerobic conditions exist on-site due to the depleted Nitrate and elevated Sulfate concentrations. The addition of Nitrate could potentially enhance natural hydrocarbon bio-degradation activity. Enhanced Bioremediation is a potentially effective treatment technology for the Site and will be retained for further evaluation and comparison of viable treatment alternatives.

6.2 Alternatives Evaluation and Costs

Based on the initial technology screening above, the following technologies have been retained to assemble the alternatives that will be evaluated:

- Alternative 1: No Action
- Alternative 2: Monitored Natural Attenuation
- Alternative 3: Dual-Phase Extraction and Treatment
- Alternative 4: In-Situ Chemical Oxidation
- Alternative 5: Enhanced Bioremediation

Using the *Remediation Technologies Screening Matrix and Reference Guide*, each of the alternatives were evaluated against the following screening factors:

- **Relative Costs?** Design, construction, and operation and maintenance (O&M) costs of the core process that defines each technology, exclusive of mobilization, demobilization, and pre- and post-treatment costs. Above average means a low degree of general costs relative to other options. Average means an average degree of general costs relative to other options. Below average means a high degree of general costs relative to the other options.
- **Capital Intensive?** Is the technology capital-intensive, with significant costs for design and construction? Above average means low degree of capital investment. Average means average degree of capital investment. Below average means high degree of capital investment.
- **O&M Intensive?** Is the technology O&M-intensive, with significant costs for labor, operation, maintenance, and repair? Above average means low degree of O&M intensity. Average means average degree of O&M intensity. Below average means high degree of O&M intensity.
- **System Reliability/Maintainability?** The expected range of demonstrated reliability and maintenance relative to other effective technologies. Above average means high

reliability and low maintenance. Average means average reliability and average maintenance. Below average means low reliability and high maintenance.

- **Time?** Time required to clean up a "standard" site using the technology. Above average means less than one year for in situ soils and less than three years for ground water. Average means one to three years for in situ soils and three to ten years for ground water. Below average means more than three years for in situ soil and more than ten years for ground water.

The following table presents relative ratings per screening factor for the five alternatives retained from the screening process above. The relative ratings are from the previously referenced *Remediation Technologies Screening Matrix and Reference Guide*.

Technology	Relative Cost	Capital Intensive	O&M Intensive	System Reliability / Maintainability	Time
No Action	Above Average	Below Average	Above Average	Above Average	Below Average
Monitored Natural Attenuation	Above Average	Average	Below Average	Average	Unknown
Dual-Phase Extraction and Treatment	Average	Below Average	Below Average	Average	Average
In-Situ Chemical Oxidation	Average	Average	Below Average	Average	Above Average
Enhanced Bioremediation	Above Average	Average	Below Average	Average	Unknown

6.3 Recommended Remedial Alternative

Based on the Site conditions, remedial objectives, the current petroleum hydrocarbon mass remaining in soil and ground water and review of the remediation technologies screening matrices, Dual-Phase Extraction and Enhanced Bioremediation appear to be the most cost-effective and appropriate remedial alternatives for Station #601. It is proposed that two pilot studies utilizing each remedial method be conducted. If ACEH should concur with this recommendation, two work plans detailing the proposed pilot studies will be submitted under separate covers. It is anticipated that based on the findings from the pilot tests, a final remediation technology can be selected and a formal Corrective Action Plan prepared for submittal to the ACEH.

7.0 RECOMMENDATIONS

Based upon the findings presented in this Feasibility Study Report for Station #601, BAI makes the following recommendations:

- The SFRWQCB's Environmental Screening Levels presented in Section 5.3 should be adopted as the targeted cleanup objectives for petroleum hydrocarbon contaminants in the soil and ground water at the Site.
- A Dual-Phase Extraction Pilot Test and an Enhanced Bioremediation Pilot Test should be conducted, in turn, to determine the most appropriate remedial technology for Station #601. A formal Corrective Action Plan would then be presented following results evaluation of the two pilot tests.

8.0 CLOSURE

The findings presented in this document are based upon: observations of field personnel from previous consultants, the points investigated, and results of analytical tests performed by various laboratories. Our services were performed in accordance with the generally accepted standard of practice at the time this document was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of BP. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

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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

0 200 400

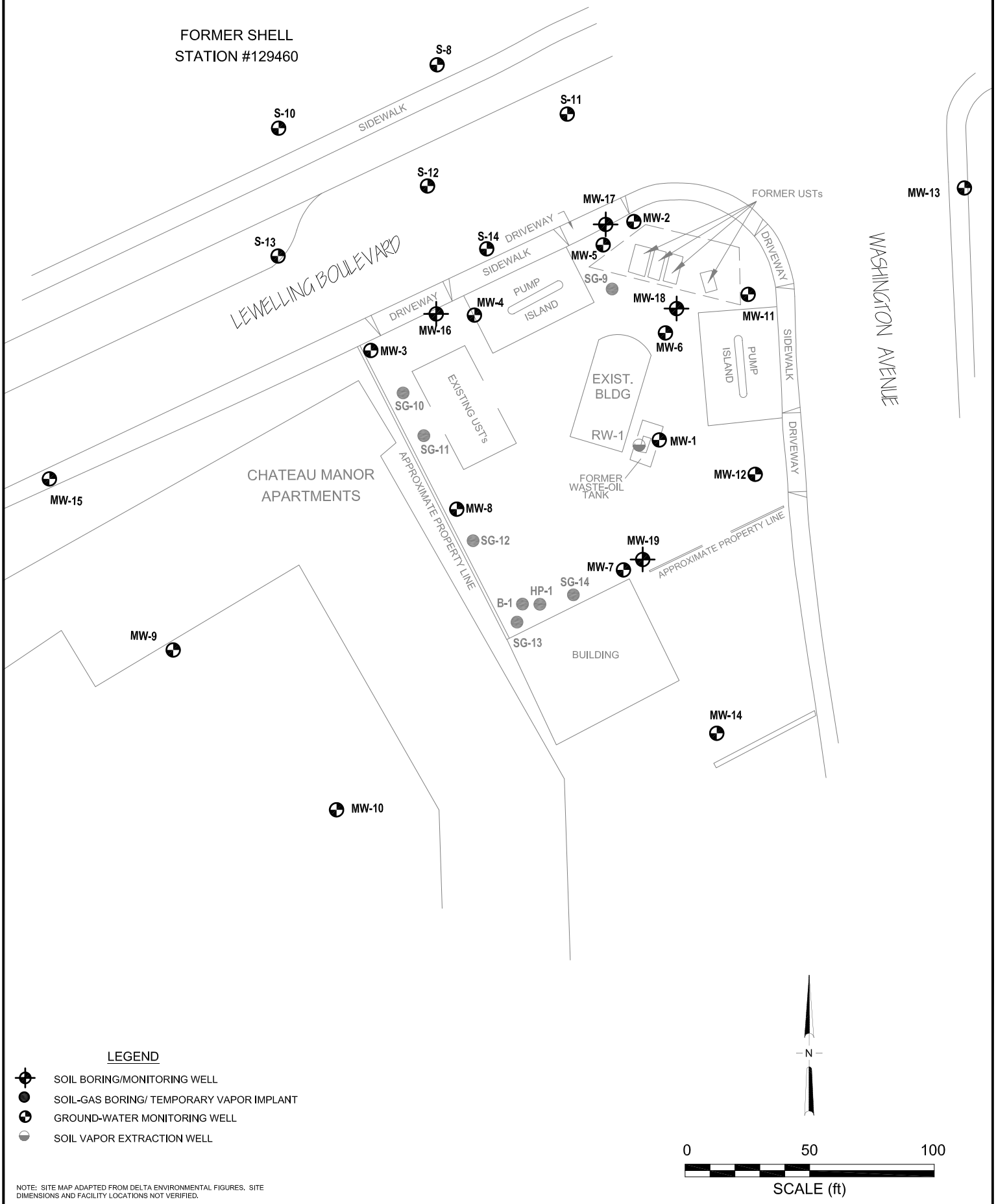
SCALE (feet)

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California
Project No.: 06-08-605 Date: 1/14/09

Station #601
712 Lewelling Boulevard
San Leandro, California

Area Development Photo

Drawing
2



LEGEND

- SOIL BORING/MONITORING WELL
- SOIL-GAS BORING/ TEMPORARY VAPOR IMPLANT
- GROUND-WATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL

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

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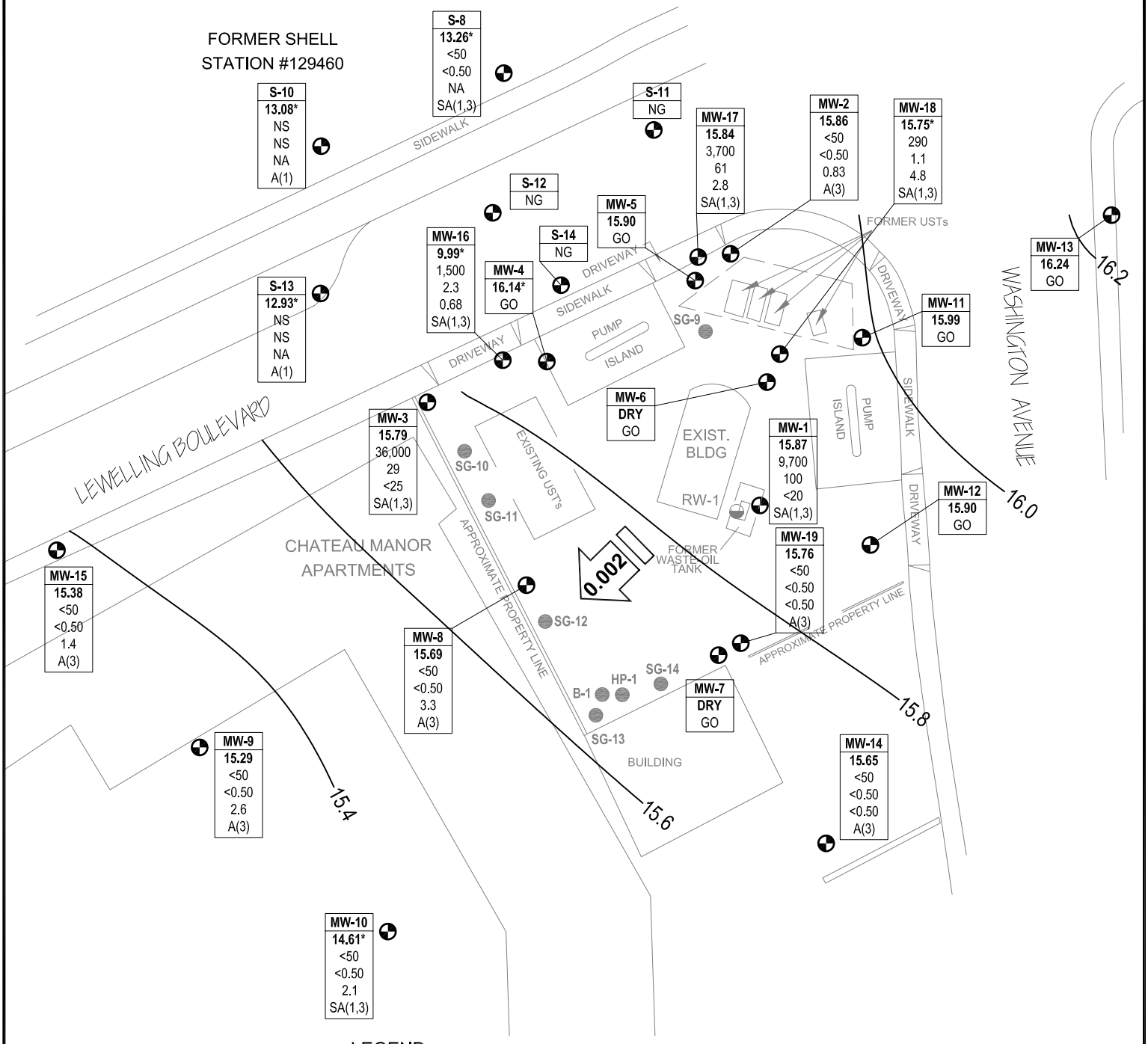
Project No.: 06-88-605 Date: 7/31/09

Station #601
712 Lewelling Boulevard
San Leandro, California

Site Layout Plan

Drawing 3



LEGEND

- GROUND-WATER MONITORING WELL
- SOIL-GAS BORING/ TEMPORING VAPOR IMPLANT
- SOIL VAPOR EXTRACTION WELL
- 16.0 GROUND-WATER ELEVATION CONTOUR (FEET ABOVE DATUM)
- 0.002 APPROXIMATE GROUND-WATER FLOW DIRECTION AND GRADIENT (FT/FT)

Well
ELEV
GRO
Benzene
MTBE
A/Q/SA

- WELL DESIGNATION
- GROUND-WATER ELEVATION (FEET ABOVE DATUM)
- GRO, BENZENE & MTBE CONCENTRATIONS (µg/L)
- SAMPLING FREQUENCY

A(1)	SAMPLED ANNUALLY, 1ST QUARTER
A(3)	SAMPLED ANNUALLY, 3RD QUARTER
SA(1,3)	SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTER
NA	NOT ANALYZED
GO	GAUGE ONLY
NS	NOT SAMPLED
NG	NOT GAUGED
<	NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
*	DATA NOT USED FOR CONTOURING

N

0 50 100

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:8/21/09

Station #601
712 Lewelling Boulevard
San Leandro, California

Ground-Water Elevation Contours and Analytical Summary Map
21 July 2009

Drawing
4

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-1																
1/9/1991	--	i, l	22.98	7.00	12.00	9.47	13.51	--	--	--	--	--	--	--	--	--
4/16/1991	--	a	22.98	7.00	12.00	6.12	16.86	--	--	--	--	--	--	--	--	--
6/10/1991	--	a	22.26	7.00	12.00	9.00	13.26	--	--	--	--	--	--	--	--	--
10/10/1991	--	i, l	22.26	7.00	12.00	9.73	12.53	--	--	--	--	--	--	--	--	--
3/23/1992	--	a	22.26	7.00	12.00	7.40	14.86	--	--	--	--	--	--	--	--	--
6/8/1992	--	i, l	22.26	7.00	12.00	9.08	13.18	--	--	--	--	--	--	--	--	--
9/15/1992	--	l	22.26	7.00	12.00	9.18	13.08	--	--	--	--	--	--	--	--	--
11/16/1992	--	i, l	22.26	7.00	12.00	9.09	13.17	--	--	--	--	--	--	--	--	--
2/16/1993	--	i, l	22.26	7.00	12.00	7.03	15.23	--	--	--	--	--	--	--	--	--
5/13/1993	--	i, l	22.26	7.00	12.00	8.08	14.18	--	--	--	--	--	--	--	--	--
8/17/1993	--	i, l	22.26	7.00	12.00	8.81	13.45	--	--	--	--	--	--	--	--	--
11/8/1993	--	i, l	22.26	7.00	12.00	9.22	13.04	--	--	--	--	--	--	--	--	--
2/14/1994	--	a	22.26	7.00	12.00	7.72	14.54	--	--	--	--	--	--	--	--	--
5/5/1994	--	a	22.26	7.00	12.00	8.47	13.79	--	--	--	--	--	--	--	--	--
8/4/1994	--	a	22.26	7.00	12.00	8.72	13.54	--	--	--	--	--	--	--	--	--
11/20/1994	--	a	22.26	7.00	12.00	7.81	14.45	--	--	--	--	--	--	--	--	--
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	--	i, l	22.26	7.00	12.00	8.12	14.14	--	--	--	--	--	--	--	--	--
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	--	j	22.26	7.00	12.00	6.01	16.25	100,000	6,200	320	2,500	12,000	<1,000	--	--	--
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	--	--	--
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	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-1 Cont.																
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	e	19.19	7.00	12.00	8.70	10.49	14,000	3,200	<50	2,100	<50	<250	--	0.9	6.8
10/16/2002	NP	d	19.19	7.00	12.00	9.12	10.07	14,000	2,100	<25	2,000	31	<120	--	0.8	7.1
1/23/2003	NP	g	19.19	7.00	12.00	7.45	11.74	6,000	680	<50	800	<50	<50	--	0.9	6.8
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	--	a, k	19.19	7.00	12.00	8.75	10.44	12,000	1,500	27	1,700	42	160	--	--	6.4
10/23/2003	NP	a	19.19	7.00	12.00	8.96	10.23	14,000	1,700	<25	1,600	<25	220	1470	--	--
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	a, r	24.78	7.00	12.00	8.87	15.91	12,000	1,600	<25	920	36	84	1780	1.5	6.6
07/01/2004	NP	a	24.78	7.00	12.00	9.31	15.47	9,700	830	<10	580	11	100	886	0.8	6.7
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
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	q	24.78	7.00	12.00	7.05	17.73	--	--	--	--	--	--	630	--	6.6
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

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-1 Cont.																
04/28/2006	P	a	24.78	7.00	12.00	6.69	18.09	13,000	100	<5.0	270	7.0	<5.0	--	1.81	7.1
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	--	l	24.78	7.00	12.00	7.95	16.83	--	--	--	--	--	--	--	1.23	6.90
4/17/2007	P	a	24.78	7.00	12.00	8.20	16.58	6,800	140	<10	280	<10	<10	--	2.14	7.19
7/9/2007	P	a, s	24.78	7.00	12.00	8.73	16.05	8,200	240	<5.0	220	180	81	1020	2.42	7.15
10/1/2007	P	a, s	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
1/7/2008	P	u	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
4/1/2008	NP	i, l	24.78	7.00	12.00	7.64	17.16	9,300	70	<20	210	<20	<20	1,220	2.22	7.04
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	a	24.78	7.00	12.00	9.13	15.65	31,000	190	<20	210	<20	<20	2,132	0.31	6.87
1/21/2009	P	a	24.78	7.00	12.00	8.72	16.06	20,000	99	<20	190	<20	<20	--	1.06	7.01
4/21/2009	P	a, u	24.78	7.00	12.00	7.68	17.10	18,000	63	<20	50	<20	<20	1,617	0.40	6.98
7/21/2009	**P**	**u, v**	**24.78**	**7.00**	**12.00**	**8.91**	**15.87**	**9,700**	**100**	**<20**	**120**	**<20**	**<20**	**--**	**10.85**	**7.10**
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	--	--	--	--
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	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-2 Cont.																
5/5/1994	--		21.33	8.00	12.00	7.51	13.82	5,600	390	140	120	480	--	--	--	--
8/4/1994	--	n	21.33	8.00	12.00	8.00	13.33	2,300	180	<2.5	<2.5	230	--	--	--	--
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	--	--	--
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	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-2 Cont.																
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	g	21.12	8.00	12.00	6.52	14.60	<5,000	<50	<50	<50	<50	95	--	1.6	7.2
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	m	21.12	8.00	12.00	7.95	13.17	<250	<2.5	<2.5	<2.5	4.2	68	--	--	--
01/12/2004	--		21.12	8.00	12.00	6.60	14.52	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	23.87	8.00	12.00	8.32	15.55	--	--	--	--	--	--	--	--	--
07/01/2004	P	o	23.87	8.00	12.00	8.96	14.91	72	<0.50	<0.50	<0.50	<0.50	72	--	2.1	6.9
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	--	--	--	--	--	--	--	--	--
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**	**v**	**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**

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-2																
MW-3																
7/18/1990	--		20.84	8.00	12.00	7.03	13.81	--	--	--	--	--	--	--	--	--
10/15/1990	--	i, l	20.84	8.00	12.00	8.19	12.65	--	--	--	--	--	--	--	--	--
1/9/1991	--	i, l	20.84	8.00	12.00	7.46	13.38	--	--	--	--	--	--	--	--	--
4/16/1991	--	a	20.84	8.00	12.00	7.95	12.89	--	--	--	--	--	--	--	--	--
6/10/1991	--	a	20.11	8.00	12.00	7.14	12.97	--	--	--	--	--	--	--	--	--
10/10/1991	--	i, l	20.11	8.00	12.00	7.82	12.29	--	--	--	--	--	--	--	--	--
3/23/1992	--	a	20.11	8.00	12.00	5.75	14.36	--	--	--	--	--	--	--	--	--
6/8/1992	--	i, l	20.11	8.00	12.00	7.52	12.59	--	--	--	--	--	--	--	--	--
9/15/1992	--	i, l	20.11	8.00	12.00	8.01	12.10	--	--	--	--	--	--	--	--	--
11/16/1992	--	a	20.11	8.00	12.00	7.11	13.00	--	--	--	--	--	--	--	--	--
2/16/1993	--	i, l	20.11	8.00	12.00	5.93	14.18	--	--	--	--	--	--	--	--	--
5/13/1993	--	i, l	20.11	8.00	12.00	6.37	13.74	--	--	--	--	--	--	--	--	--
8/17/1993	--	i, l	20.11	8.00	12.00	7.00	13.11	--	--	--	--	--	--	--	--	--
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	--	i, l	20.11	8.00	12.00	6.60	13.51	--	--	--	--	--	--	--	--	--
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	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-3 Cont.																
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	--
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	d	22.99	8.00	12.00	7.22	15.77	45,000	750	570	2,100	10,000	<250	--	1	8
10/16/2002	P	d	22.99	8.00	12.00	7.54	15.45	42,000	780	620	2,500	11,000	<250	--	1.4	7.7
1/23/2003	P	g	22.99	8.00	12.00	6.85	16.14	68,000	580	500	3,300	16,000	<100	--	1.3	7
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	--	m	--	8.00	12.00	6.89	--	35,000	360	250	1,700	8,100	<100	--	2.4	8.9
10/23/2003	P	m	22.99	8.00	12.00	7.05	15.94	36,000	340	250	1,700	8,300	<25	--	--	--
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	r	22.63	8.00	12.00	7.60	15.03	30,000	210	170	1,700	7,300	<50	--	1.6	7.8
07/01/2004	P	a	22.63	8.00	12.00	7.76	14.87	33,000	190	190	1,300	6,300	<50	--	2.3	7.4
11/04/2004	--	p	22.63	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--
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

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-3 Cont.																
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
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	a	22.63	8.00	12.00	5.35	17.28	42,000	130	110	1,700	6,500	<25	--	1.39	7.0
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	a	22.63	8.00	12.00	6.13	16.50	73,000	120	140	2,200	9,900	<25	--	1.13	7.42
7/9/2007	P	a	22.63	8.00	12.00	6.82	15.81	42,000	110	110	1,700	7,100	<25	--	1.38	7.28
10/1/2007	P	a, o, t	22.63	8.00	12.00	6.85	15.78	48,000	100	100	1,700	7,700	<25	--	1.65	7.66
1/7/2008	--	p	22.63	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--
4/1/2008	P	a	22.63	8.00	12.00	8.95	13.68	160,000	<100	<100	1,700	7,400	<100	--	0.96	7.03
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	a	22.63	8.00	12.00	7.15	15.48	98,000	<120	<120	2,000	8,000	<120	--	1.06	7.09
1/21/2009	P	a	22.63	8.00	12.00	6.79	15.84	51,000	<100	<100	2,300	9,000	<100	--	0.58	7.08
4/21/2009	P	a	22.63	8.00	12.00	5.80	16.83	720,000	52	<50	790	7,000	<50	--	1.38	7.14
7/21/2009	**P**	**v**	**22.63**	**8.00**	**12.00**	**6.84**	**15.79**	**36,000**	**29**	**33**	**1,300**	**4,800**	**<25**	**--**	**11.15**	**7.35**
MW-4																
6/10/1991	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
10/10/1991	--	b	20.75	6.00	9.00	--	--	15,000	5,300	1,500	470	1,300	--	--	--	--
3/23/1992	--	b	20.75	6.00	9.00	--	--	24,000	5,600	4,000	580	3,100	--	--	--	--
6/8/1992	--	b	20.75	6.00	9.00	--	--	5,700	2,000	170	92	270	--	--	--	--
9/15/1992	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
11/16/1992	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	20.75	6.00	9.00	--	--	2,000	540	110	10	240	--	--	--	--
2/14/1994	--	b	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-4 Cont.																
5/5/1994	--		20.75	6.00	9.00	7.73	13.02	1,900	510	78	31	150	--	--	--	--
8/4/1994	--	n	20.75	6.00	9.00	7.83	12.92	1,300	360	17	<5	190	--	--	--	--
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	--	b	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
11/19/1997	--	b, j	22.38	6.00	9.00	--	--	3700	600	93	120	710	<60	--	--	--
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	--
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	--	b	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
12/17/2000	--	b	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--
3/28/2001	--	b	22.38	6.00	9.00	7.49	14.89	--	--	--	--	--	--	--	--	--
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	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-4 Cont.																
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	d	22.38	6.00	9.00	7.70	14.68	820	80	12	23	190	41	--	2.2	7.3
10/16/2002	NP	d	22.38	6.00	9.00	7.75	14.63	2,000	220	25	140	570	<25	--	1.8	7.6
1/23/2003	NP	g	22.38	6.00	9.00	7.11	15.27	<250	<2.5	<2.5	<2.5	8.8	5.9	--	1.7	7
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	--	m	22.38	6.00	9.00	7.45	14.93	3,000	280	<25	150	700	<25	--	1.2	6.8
10/23/2003	NP	m	22.38	6.00	9.00	7.59	14.79	1,700	150	7.6	83	320	12	--	--	--
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	r	23.32	6.00	9.00	7.38	15.94	1,500	160	<5.0	50	320	12	--	1.4	7.1
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
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	--	c	23.32	6.00	9.00	7.36	15.96	--	--	--	--	--	--	--	--	--
10/22/2008	--	c	23.32	6.00	9.00	7.41	15.91	--	--	--	--	--	--	--	--	--
1/21/2009	--	c	23.32	6.00	9.00	7.39	15.93	--	--	--	--	--	--	--	--	--
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**	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-4																
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	--	a	20.90	6.00	10.50	8.51	12.39	--	--	--	--	--	--	--	--	--
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	--	l	20.90	6.00	10.50	8.40	12.50	--	--	--	--	--	--	--	--	--
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	--	l	20.90	6.00	10.50	6.68	14.22	--	--	--	--	--	--	--	--	--
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	--	--	--	--
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	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-5 Cont.																
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	--	b	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--
12/17/2000	--	b	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--
9/22/2001	--	b	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--
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	d	22.45	6.00	10.50	7.36	15.09	4,600	1,400	30	160	470	110	--	1.7	7.5
10/16/2002	NP	d	22.45	6.00	10.50	7.66	14.79	5,400	1,300	<20	62	150	<100	--	1.1	7.5
1/23/2003	NP	g	22.45	6.00	10.50	6.28	16.17	<5,000	110	<50	<50	98	<50	--	1.1	7.6
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	--	m	22.45	6.00	10.50	7.46	14.99	<50	1.8	<0.50	<0.50	<0.50	3.5	--	12.2	9
10/23/2003	NP	m	22.45	6.00	10.50	7.68	14.77	76	14	<0.50	0.77	0.61	12	--	--	--
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	r	23.47	6.00	10.50	8.12	15.35	300	53	13	12	29	12	--	8.9	8.5
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

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-5 Cont.																
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
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	a	23.47	6.00	10.50	7.26	16.21	2,300	51	<5.0	9.4	17	<5.0	--	0.19	7.18
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**	--	--	--	--	--	--	--	--	--
MW-6																
6/10/1991	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
10/10/1991	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
9/15/1992	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/16/1992	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/8/1993	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	n	22.08	5.50	9.00	8.24	13.84	45,000	14,000	<200	1,300	4,500	--	--	--	--
8/4/1994	--	b	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/20/1994	--	n	22.08	5.50	9.00	7.41	14.67	30,000	11,000	<100	1,200	2,300	--	--	--	--
3/17/1995	--	n	22.08	5.50	9.00	6.66	15.42	45,000	9,300	<100	1,900	3,600	--	--	--	--
6/1/1995	--		22.08	5.50	9.00	7.60	14.48	23,000	5,600	<50	1,300	1,900	--	--	--	--

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-6 Cont.																
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	--	--	--	--
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	--	j	22.08	5.50	9.00	8.02	14.06	11,000	3,300	<50	480	370	<300	--	--	--
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	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
11/19/1997	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
9/29/2000	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
12/17/2000	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
3/28/2001	--	b	22.77	5.50	9.00	7.57	15.20	--	--	--	--	--	--	--	--	--
6/20/2001	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
9/22/2001	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
1/23/2003	NP	g	22.77	5.50	9.00	8.05	14.72	<5,000	<50	<50	<50	<50	<50	--	2.1	6.4

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

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Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-6 Cont.																
1/23/2003	--	g, h	22.77	5.50	9.00	--	--	<250	58	<2.5	6.2	3.8	17	--	2.1	--
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	--	b	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	c, r	24.66	5.50	9.00	8.54	16.12	--	--	--	--	--	--	--	--	--
07/01/2004	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
10/22/2008	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
1/21/2009	--	b	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--
4/21/2009	--	c	24.66	5.50	9.00	7.91	16.75	--	--	--	--	--	--	--	--	--
7/21/2009	--	**b**	**24.66**	**5.50**	**9.00**	--	--	--	--	--	--	--	--	--	--	--
MW-7																
6/10/1991	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
10/10/1991	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-7 Cont.																
3/23/1992	--		22.89	8.00	10.00	8.20	14.69	270	10	0.5	3	13	--	--	--	--
6/8/1992	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
9/15/1992	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/16/1992	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/8/1993	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--
5/23/1997	--		22.89	8.00	10.00	9.26	13.63	--	--	--	--	--	--	--	--	--
8/19/1997	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
11/19/1997	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-7 Cont.																
10/28/1999	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
9/29/2000	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
9/22/2001	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
1/23/2003	NP	g	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
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
04/20/2004	NP	r	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
07/01/2004	--	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-7 Cont.																
7/9/2007	NP	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
10/22/2008	--	b	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--
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	--	**b**	**25.46**	**8.00**	**10.00**	--	--	--	--	--	--	--	--	--	--	--
MW-8																
6/10/1991	--		20.97	6.50	10.50	7.80	13.17	5,800	73	7.2	150	21	--	--	--	--
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	--	n	20.97	6.50	10.50	5.81	15.16	8,000	18	<5	320	42	--	--	--	--
6/8/1992	--	n	20.97	6.50	10.50	8.01	12.96	4,000	<10	<10	110	<10	--	--	--	--
9/15/1992	--	n	20.97	6.50	10.50	8.80	12.17	4,200	6.4	<5	120	<5	--	--	--	--
11/16/1992	--	n	20.97	6.50	10.50	8.19	12.78	2,600	4	<2.5	21	5.2	--	--	--	--
2/16/1993	--	n	20.97	6.50	10.50	5.84	15.13	8,700	<5	<5	200	<5	--	--	--	--
5/13/1993	--	n	20.97	6.50	10.50	6.93	14.04	2,300	<5	<5	42	<5	--	--	--	--
8/17/1993	--	n	20.97	6.50	10.50	7.87	13.10	1,700	1.8	<1.3	16	1.2	--	--	--	--
11/8/1993	--	n	20.97	6.50	10.50	8.31	12.66	1,200	2.4	<1	19	2.3	--	--	--	--
2/14/1994	--	n	20.97	6.50	10.50	7.00	13.97	3,600	3	<1	72	<1	--	--	--	--
5/5/1994	--	n	20.97	6.50	10.50	7.46	13.51	2,100	<2.5	<2.5	8.3	<2.5	--	--	--	--
8/4/1994	--	n	20.97	6.50	10.50	8.17	12.80	1,200	1.5	<1	6.7	<1	--	--	--	--
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	--	n	20.97	6.50	10.50	6.14	14.83	5,400	<5	<5	35	<5	--	--	--	--
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	--	--	--

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-8 Cont.																
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	--	--	--	--	--	--	--	--	--
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	g	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
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	--	m	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
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

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-8 Cont.																
04/20/2004	NP	r	23.55	6.50	10.50	8.21	15.34	55	<0.50	<0.50	<0.50	<0.50	25	--	10.1	8.7
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
10/21/2005	--	Well inaccessible p	23.55	6.50	10.50	--	--	--	--	--	--	--	--	--	--	--
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**
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	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
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	--	--	--	--	--	--	--	--	--
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

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								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-9 Cont.																
10/16/2002	--		22.26	6.00	19.50	8.64	13.62	--	--	--	--	--	--	--	--	--
1/23/2003	P	g	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
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	--	r	23.64	6.00	19.50	8.65	14.99	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--
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**
MW-10																
6/11/1993	--		21.12	6.00	16.50	8.14	12.98	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--

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Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-10 Cont.																
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	--	--	--
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	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-10 Cont.																
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	g	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
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	--	r	23.42	6.00	16.50	8.15	15.27	--	--	--	--	--	--	--	--	--
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
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	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-10 Cont.																
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**
MW-11																
11/16/1992	--	n	22.38	7.00	12.00	9.02	13.36	7,000	21	<10	18	230	--	--	--	--
2/16/1993	--	n	22.38	7.00	12.00	7.11	15.27	2,200	<10	<10	11	<10	--	--	--	--
5/13/1993	--	n	22.38	7.00	12.00	8.04	14.34	1,600	<2.5	<2.5	41	6.8	--	--	--	--
8/17/1993	--	n	22.38	7.00	12.00	8.78	13.60	830	1.4	<1.0	25	15	--	--	--	--
11/8/1993	--	n	22.38	7.00	12.00	9.23	13.15	370	<1.0	<1.0	2.5	2.1	--	--	--	--
2/14/1994	--	n	22.38	7.00	12.00	7.94	14.44	650	<1	<1.0	2	4	--	--	--	--
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	--	n	22.38	7.00	12.00	9.13	13.25	390	<0.5	<0.7	1.9	2.2	--	--	--	--
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	--

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-11 Cont.																
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	--	--	--	--	--	--	--	--	--
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	g	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
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	--	r	24.97	7.00	12.00	9.18	15.79	--	--	--	--	--	--	--	--	--
07/01/2004	P	o	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
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	--	--	--	--	--	--	--	--	--

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-11 Cont.																
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	--	--	--	--	--	--	--	--	--
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**	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--
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	--	--	--

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-12 Cont.																
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	--	--	--	--	--	--	--	--	--
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	--	r	25.32	7.50	12.50	9.28	16.04	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-12 Cont.																
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**	--	--	--	--	--	--	--	--	--
MW-13																
11/16/1992	--		22.45	--	13.00	9.02	13.43	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/16/1993	--		22.45	--	13.00	7.14	15.31	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/13/1993	--		22.45	--	13.00	7.95	14.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/17/1993	--		22.45	--	13.00	8.57	13.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/8/1993	--		22.45	--	13.00	8.86	13.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
2/14/1994	--		22.45	--	13.00	7.78	14.67	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
5/5/1994	--		22.45	--	13.00	8.38	14.07	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
8/4/1994	--		22.45	--	13.00	8.78	13.67	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/20/1994	--		22.45	--	13.00	7.68	14.77	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
3/17/1995	--		22.45	--	13.00	6.91	15.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-13 Cont.																
6/1/1995	--		22.45	--	13.00	7.72	14.73	--	--	--	--	--	--	--	--	--
8/31/1995	--		22.45	--	13.00	7.58	14.87	--	--	--	--	--	--	--	--	--
11/27/1995	--		22.45	--	13.00	7.98	14.47	--	--	--	--	--	--	--	--	--
2/22/1996	--		22.45	--	13.00	6.71	15.74	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/20/1996	--		22.45	--	13.00	6.98	15.47	--	--	--	--	--	--	--	--	--
8/26/1996	--		22.45	--	13.00	7.85	14.60	--	--	--	--	--	--	--	--	--
11/20/1996	--		22.45	--	13.00	7.76	14.69	--	--	--	--	--	--	--	--	--
3/24/1997	--		20.75	--	13.00	7.85	12.90	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
5/23/1997	--		20.75	--	13.00	8.16	12.59	--	--	--	--	--	--	--	--	--
8/19/1997	--		20.75	--	13.00	8.40	12.35	--	--	--	--	--	--	--	--	--
11/19/1997	--		20.75	--	13.00	8.40	12.35	--	--	--	--	--	--	--	--	--
2/19/1998	--		20.75	--	13.00	6.44	14.31	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
4/23/1998	--		20.75	--	13.00	6.80	13.95	--	--	--	--	--	--	--	--	--
7/27/1998	--		20.75	--	13.00	7.52	13.23	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
10/14/1998	--		20.75	--	13.00	8.15	12.60	<50	<0.5	<0.5	<0.5	<0.5	<3	--	2.0	--
1/21/1999	--		20.75	--	13.00	7.85	12.90	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--
5/6/1999	--		20.75	--	13.00	7.82	12.93	--	--	--	--	--	--	--	--	--
8/23/1999	--		20.75	--	13.00	8.29	12.46	--	--	--	--	--	--	--	0.94	--
10/28/1999	--		20.75	--	13.00	8.55	12.20	--	--	--	--	--	--	--	--	--
2/4/2000	--		20.75	--	13.00	8.11	12.64	<50	<0.5	0.6	<0.5	<1	<3	--	1.27	--
6/20/2000	--		20.75	--	13.00	7.56	13.19	--	--	--	--	--	--	--	--	--
9/29/2000	--		20.75	--	13.00	8.27	12.48	--	--	--	--	--	--	--	--	--
12/17/2000	--		20.75	--	13.00	8.09	12.66	--	--	--	--	--	--	--	--	--
3/28/2001	--		20.75	--	13.00	7.69	13.06	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
6/20/2001	--		20.75	--	13.00	8.46	12.29	--	--	--	--	--	--	--	--	--
9/22/2001	--		20.75	--	13.00	8.57	12.18	--	--	--	--	--	--	--	--	--
12/27/2001	--		20.75	--	13.00	7.14	13.61	--	--	--	--	--	--	--	--	--
3/15/2002	--		20.75	--	13.00	7.62	13.13	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
4/18/2002	--		20.75	--	13.00	6.91	13.84	--	--	--	--	--	--	--	--	--
7/23/2002	--		20.75	--	13.00	8.50	12.25	--	--	--	--	--	--	--	--	--
10/16/2002	--		20.75	--	13.00	8.74	12.01	--	--	--	--	--	--	--	--	--

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-13 Cont.																
1/23/2003	P	g	20.75	--	13.00	7.35	13.40	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	3.4	7.0
4/7/2003	--		20.75	--	13.00	7.99	12.76	--	--	--	--	--	--	--	--	--
8/7/2003	--		20.75	--	13.00	8.60	12.15	--	--	--	--	--	--	--	--	--
10/23/2003	P		20.75	--	13.00	8.55	12.20	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--
01/12/2004	--		20.75	--	13.00	7.56	13.19	--	--	--	--	--	--	--	--	--
04/20/2004	--	r	25.01	--	13.00	4.57	20.44	--	--	--	--	--	--	--	--	--
07/01/2004	P		25.01	--	13.00	8.71	16.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.4	6.9
11/04/2004	--		25.01	--	13.00	7.79	17.22	--	--	--	--	--	--	--	--	--
01/10/2005	--		25.01	--	13.00	6.80	18.21	--	--	--	--	--	--	--	--	--
04/14/2005	--		25.01	--	13.00	6.88	18.13	--	--	--	--	--	--	--	--	--
08/02/2005	--		25.01	--	13.00	7.15	17.86	--	--	--	--	--	--	--	--	--
10/21/2005	--		25.01	--	13.00	7.96	17.05	--	--	--	--	--	--	--	--	--
01/04/2006	--		25.01	--	13.00	7.64	17.37	--	--	--	--	--	--	--	--	--
04/28/2006	--		25.01	--	13.00	6.97	18.04	--	--	--	--	--	--	--	--	--
8/4/2006	--		25.01	--	13.00	8.18	16.83	--	--	--	--	--	--	--	--	--
10/23/2006	--		25.01	--	13.00	8.51	16.50	--	--	--	--	--	--	--	--	--
1/15/2007	--		25.01	--	13.00	7.91	17.10	--	--	--	--	--	--	--	--	--
4/17/2007	--		25.01	--	13.00	8.04	16.97	--	--	--	--	--	--	--	--	--
7/9/2007	--		25.01	--	13.00	8.50	16.51	--	--	--	--	--	--	--	--	--
10/1/2007	--		25.01	--	13.00	8.72	16.29	--	--	--	--	--	--	--	--	--
1/7/2008	--		25.01	--	13.00	8.27	16.74	--	--	--	--	--	--	--	--	--
4/1/2008	--		25.01	--	13.00	7.88	17.13	--	--	--	--	--	--	--	--	--
7/23/2008	--		25.01	--	13.00	6.40	18.61	--	--	--	--	--	--	--	--	--
10/22/2008	--		25.01	--	13.00	8.86	16.15	--	--	--	--	--	--	--	--	--
1/21/2009	--		25.01	--	13.00	8.54	16.47	--	--	--	--	--	--	--	--	--
4/21/2009	--		25.01	--	13.00	7.96	17.05	--	--	--	--	--	--	--	--	--
7/21/2009	--		**25.01**	--	**13.00**	**8.77**	**16.24**	--	--	--	--	--	--	--	--	--
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	--	--	--	--

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Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-14 Cont.																
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	--	--	--	--
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	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-14 Cont.																
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	--	--	--
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	g	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
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	--	r	25.55	7.50	13.50	9.62	15.93	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-14 Cont.																
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	--	--	--	--	--	--	--	--	--
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**
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	--	j	22.08	5.50	10.50	6.34	15.74	99	<0.5	<0.5	<0.5	0.7	6	--	--	--
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	--	--	--	--	--	--	--	--	--
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	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-15 Cont.																
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	g	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
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	--	r	21.72	5.50	10.50	7.10	14.62	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	Comments	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Semi-VOCs		
MW-15 Cont.																
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**
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**
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**
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**
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**

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.

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.

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 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
1/23/2003	<4,000	<2,000	<50	<50	<50	<50	<50	<50	
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**
MW-2									
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	

Table 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-2 Cont.									
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**	
MW-3									
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	
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	

Table 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
7/21/2009	**<15,000**	**<500**	**<25**	**<25**	**<25**	**<25**	**<25**	**<25**	
MW-4									
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
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	
MW-5									
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	

Table 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-5 Cont.									
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	
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	
MW-6									
1/23/2003	<200	<100	17	<2.5	<2.5	<2.5	<2.5	<2.5	a
1/23/2003	<4,000	<2,000	<50	<50	<50	<50	<50	<50	
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	
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	

Table 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-6 Cont.									
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									
1/23/2003	<40	<20	<0.5	<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									
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	

Table 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-8 Cont.									
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**	
MW-9									
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**	
MW-10									
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	
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	

Table 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-10 Cont.									
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**	
MW-11									
1/23/2003	<40	<20	<0.5	<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									
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									
1/23/2003	<40	<20	<0.5	<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									
1/23/2003	<40	<20	<0.5	<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 2. Summary of Fuel Additives Analytical Data

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-15									
1/23/2003	<40	<20	<20	<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**	
MW-16									
7/21/2009	**<300**	**<0.50**	**0.68**	**<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**	
MW-18									
7/21/2009	**<300**	**<10**	**4.8**	**<0.50**	**<0.50**	**3.0**	**<0.50**	**<0.50**	
MW-19									
7/21/2009	**<300**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

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 3. Historical Ground-Water Flow Direction and Gradient

Station #601, 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 3. Historical Ground-Water Flow Direction and Gradient

Station #601, 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**

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.

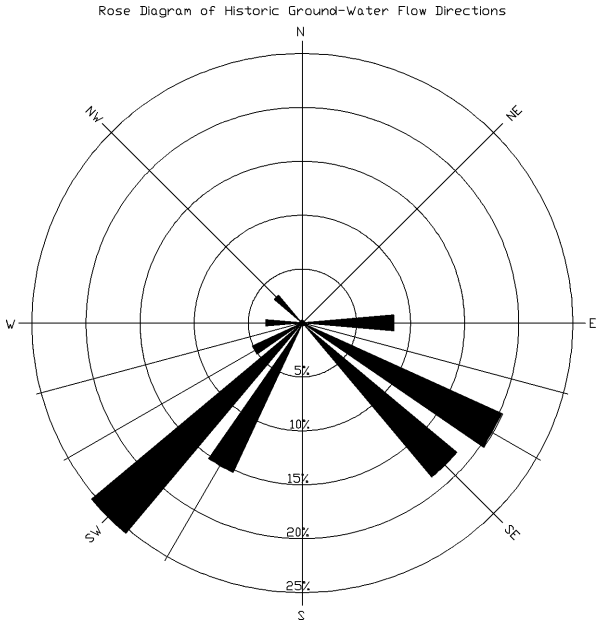

Table 4. Summary of Volatile and Semivolatile Organic Compounds Analytical Data
Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	VOCs by EPA Method 601/8010 or 624/8240 Concentrations in (µg/L)							SVOCs by EPA Method 3520/8270 Concentrations in (µg/L)				
	Methylene Chloride	1,2-DCA	1,1-DCA	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Naphthalene	2-Methyl Naphthalene	Bis (2-ethylhexyl) Phthalate	2,4-Di methyl-phenol	Phenol
MW-1												
07/18/90	Not sampled: well contained floating product											
10/15/90	Not sampled: well contained floating product											
01/09/91	Not sampled: well contained floating product											
04/16/91	Not sampled: well contained floating product											
06/10/91	Not sampled: well contained floating product											
10/10/91	Not sampled: well contained floating product											
03/23/92	Not sampled: well contained floating product											
06/08/92	Not sampled: well contained floating product											
09/15/92	Not sampled: well contained floating product											
11/16/92	Not sampled: well contained floating product											
02/16/93	Not sampled: well contained floating product											
05/13/93	Not sampled: well contained floating product											
08/17/93	Not sampled: well contained floating product											
11/08/93	Not sampled: well contained floating product											
02/14/94	Not sampled: well contained floating product											
05/05/94	Not sampled: well contained floating product											
08/04/94	Not sampled: well contained floating product											
11/20/94	Not sampled: well contained floating product											
03/17/95	NA	NA	NA	NA	NA	NA	NA	1,300	730	<50	150	NA
06/01/95	NA	NA	NA	NA	NA	NA	NA	2200	1700	<100	<100	240
08/31/95	Not sampled: well contained floating product											
11/27/95	Not sampled: well contained floating product											
02/22/96	Not sampled: well contained floating product											
05/20/96	NA	NA	NA	NA	NA	NA	NA	1200	860	<50	<50	<50
08/26/96	NA	NA	NA	NA	NA	NA	NA	2,300	1,800	<500	<1,000	<500
11/20/96	NA	NA	NA	NA	NA	NA	NA	590	250	91	<100	<50
03/24/97	NA	NA	NA	NA	NA	NA	NA	730	610	<50	<100	<50
05/23/97	Not analyzed: well MW-8 was sampled for additional parameters in lieu of well MW-1											
08/19/97	NA	NA	NA	NA	NA	NA	NA	1,300	790	<50	<100	<50
11/19/97	NA	NA	NA	NA	NA	NA	NA	<5	<5	5	<10	<5
02/19/98	NA	NA	NA	NA	NA	NA	NA	870	330	<50	<100	<50
04/23/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/27/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/14/98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/21/99	NA	NA	NA	NA	NA	NA	NA	950	580	<50	<100	<50
05/06/99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/23/99	NA	NA	NA	NA	NA	NA	NA	1,200	400	<50	<100	<50
10/28/99	NA	NA	NA	NA	NA	NA	NA	1,100	320	<50	<100	<50
02/04/00	NA	NA	NA	NA	NA	NA	NA	780	330	<50	<100	<50
04/07/03	NA	NA	NA	NA	NA	NA	NA	700	260	<9.6	ND (a)	<4.8

Table 4. Summary of Volatile and Semivolatile Organic Compounds Analytical Data
Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	VOCs by EPA Method 601/8010 or 624/8240 Concentrations in (µg/L)							SVOCs by EPA Method 3520/8270 Concentrations in (µg/L)				
	Methylene Chloride	1,2-DCA	1,1-DCA	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Naphthalene	2-Methyl Naphthalene	Bis (2-ethylhexyl) Phthalate	2,4-Di methyl-phenol	Phenol
MW-1 Cont.												
08/07/03	NA	NA	NA	NA	NA	NA	NA	1100	360	<47	<47	<24
10/23/03	NA	NA	NA	NA	NA	NA	NA	1,100	370	<48	<48	<24
01/12/04	NA	NA	NA	NA	NA	NA	NA	1000	330	62	<24	<24
04/20/04	NA	NA	NA	NA	NA	NA	NA	1,200	440	140	<9.8	<9.8
07/01/04	NA	NA	NA	NA	NA	NA	NA	580	240	66	<51	<25
11/04/04	NA	<5.0	NA	650	<5.0	300	12	890	410	68	<49	<24
01/10/05	NA	<5.0	NA	280	<5.0	130	12	750	230	300	<50	<25
04/20/05	NA	<50	NA	NA	NA	NA	NA	490	140	<50	<50	<25
01/04/06	NA	NA	NA	NA	NA	NA	NA	650	230	59	<10	<5.0
04/28/06	NA	<1.0	NA	100	<5.0	270	7.0	<4.7	<4.7	<9.4	<9.4	<4.7
08/04/06	NA	<5.0	NA	410	5.0	260	<5.0	660	240	40	<9.4	<4.7
07/09/07	NA	<5.0	NA	240	<5.0	220	180	760	260	<99	<99	<50
10/01/07	NA	<200	NA	260	<5.0	260	13	950 (b)	390 (b)	<200 (b)	<200 (b)	<99 (b)
01/07/08	NA	<5.0	NA	56	<5.0	190	7	740 (c)	260 (c)	<96 (c)	<96 (c)	<48 (c)
04/01/08	NA	<20	NA	70	<20	210	<20	960	260	<100	<100	<100
07/23/08	NA	<20	NA	190	<20	180	<20	940	350	<100	<100	<100
10/22/08	NA	<20	NA	190	<20	210	<20	1,300	570	12	<10	<10
01/21/09	NA	<20	NA	99	<20	190	<20	1,500	850	200	<100	<100
04/21/09	NA	<20	NA	63	<20	50	<20	870	450	57	<10	<10
07/21/09	**NA**	**<20**	**NA**	**100**	**<20**	**120**	**<20**	**920**	**450**	**<10**	**<10**	**<10**
MW-2												
07/18/90	39	ND	ND	3,200	2,400	270	2,900	340	170	ND	ND	NA
10/15/90	18	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/91	ND	6.5	ND	1,700	1,200	370	2,400	NA	NA	NA	NA	NA
04/16/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/10/91	ND	1.7	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/23/92	Not analyzed: sampling for additional parameters was discontinued											
MW-8												
06/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/23/92	ND	ND	ND	23	<5.0 (b)	450	23	NA	NA	NA	NA	NA
06/08/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/15/92	ND	ND	ND	NA	NA	NA	NA	ND	ND	6	ND	NA
11/16/92	ND	ND	ND	NA	NA	NA	NA	32	ND	ND	ND	NA
02/16/93	ND	ND	ND	NA	NA	NA	NA	730	130	ND	ND	NA
05/13/93	ND	ND	ND	NA	NA	NA	NA	97	20	ND	ND	NA
08/17/93	ND	ND	ND	NA	NA	NA	NA	26	ND	ND	ND	NA
11/08/93	ND	ND	ND	NA	NA	NA	NA	20	ND	19	ND	NA
02/14/94	NA	NA	NA	NA	NA	NA	NA	350	65	ND	ND	NA
05/05/94	<0.5	<0.5	0.7	NA	NA	NA	NA	23	<10	<10	ND	NA
08/04/94	NA	NA	NA	NA	NA	NA	NA	11	<10	10	ND	NA
12/13/94	NA	NA	NA	NA	NA	NA	NA	14	<10	14	ND	NA
03/17/95	Not Analyzed: well MW-1 was sampled for additional parameters in lieu of well MW-8											

Table 4. Summary of Volatile and Semivolatile Organic Compounds Analytical Data
Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	VOCs by EPA Method 601/8010 or 624/8240 Concentrations in (µg/L)							SVOCs by EPA Method 3520/8270 Concentrations in (µg/L)				
	Methylene Chloride	1,2-DCA	1,1-DCA	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Naphthalene	2-Methyl Naphthalene	Bis (2-ethylhexyl) Phthalate	2,4-Di methyl-phenol	Phenol
MW-8 Cont.												
08/31/95	NA	NA	NA	NA	NA	NA	NA	62	8	<5	<5	<5
11/27/95	NA	NA	NA	NA	NA	NA	NA	15	<5	<5	<5	<5
03/14/96	NA	NA	NA	NA	NA	NA	NA	400	55	<50	<50	<50
05/23/97	NA	NA	NA	NA	NA	NA	NA	26	<5	<5	<10	<5
04/07/03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ABBREVIATIONS & SYMBOLS:

< = Not detected at or above laboratory reporting limit
1,1-DCA = 1,1 Dichloroethane
1,2-DCA = 1,2 Dichloroethane
NA = Not analyzed, not applicable, or not available
ND = Not detected at or above laboratory reporting limits
SVOC = Semi Volatile Organic Compound
mg/L = Micrograms per liter
VOC = Volatile Organic Compound

FOOTNOTES:

a. Sample was ND for 2-Methylphenol and ND for 4-Methylphenol. Analysis not performed for 2,4-Dimethylphenol.
b. Method reporting limit was raised due to high analyte concentration requiring sample dilution or matrix interference.
c. Method reporting limits were raised due to a high level of non-target analytes.

NOTES:

The data within this table 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 5. Bio-Degradation Parameters

Station #601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	pH	ORP (mV)	Total Alkalinity (µg/L)	DO (mg/L)	Nitrate NO3 (µg/L)	Sulfate SO4 (µg/L)	Soluble Sulfide (µg/L)	CO2 (µg/L)	Methane (µg/L)	Manganese (µg/L)	Ferrous Iron (mg/L)	Comments
MW-1												
7/21/2009	7.10	--	--	10.85	<100	2,700	<50	--	--	--	5.8	
MW-3												
7/21/2009	7.35	--	--	11.67	<100	2,400	<50	--	--	--	<0.10	
MW-8												
7/21/2009	7.56	--	--	13.97	<100	50,000	<50	--	--	--	<0.10	
MW-16												
7/21/2009	7.71	--	--	14.83	<100	94,000	<50	--	--	--	<0.10	
MW-17												
7/21/2009	7.57	--	--	11.48	<100	250,000	<50	--	--	--	<0.10	
MW-18												
7/21/2009	7.69	--	--	14.25	<100	24,000	<50	--	--	--	<0.10	
MW-19												
7/21/2009	8.03	--	--	13.65	920	110,000	<50	--	--	--	<0.10	

ABBREVIATIONS AND SYMBOLS:

< = Not detected at or above specified laboratory reporting limit
ORP = Oxygen reduction potential
DO = Dissolved oxygen
CO2 = Carbon dioxide
mV = Millivolts
µg/L = Micrograms per liter
mg/L = Milligrams per liter

APPENDIX A

Recent Regulatory Correspondence

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

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

November 14, 2008

Paul Supple
Atlantic Richfield Company
(A BP Affiliated Company)
P.O. Box 1257
San Ramon, CA 94583

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

Dear Mr. Supple:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Soil and Water Investigation Report," dated March 28, 2007, which was prepared by Broadbent & Associates, Inc. (BAI) for the subject site. The report summarizes the installation of a continuously-cored boring (B-1) to 58 feet below the ground surface (bgs) to delineate the vertical extent of soil and groundwater contamination. "Grab" groundwater sample analytical results detected TPH-d at a concentration of 260 µg/L (with silica gel cleanup) at a depth of 58 feet bgs. No hydrocarbon contamination was detected in six soil samples collected from the boring. As a result, BAI recommends no additional vertical assessment at the site. Please note that our May 29, 2006 work plan approval letter requested that a Site Conceptual Model (SCM) also be prepared and included in the Soil and Groundwater Investigation Report. However, based on a review of the above-mentioned report, the SCM does not appear to have been included with the report.

Brief Site History

In January 1990, GeoStrategies, Inc. removed five underground storage tanks (USTs) from the site. Soil sample analytical results detected maximum concentrations of TPH-g and benzene at 7,100 mg/kg and 175 mg/kg, respectively. In June of 1990, Applied Geosystems installed groundwater monitoring wells MW-1 through MW-3. Soil sample analytical results detected TPH-g and benzene at concentrations of 620 mg/kg and 11 mg/kg, respectively, with sheen observed in groundwater monitoring wells MW-1 and MW-3. To further define the extent of contamination, RESNA installed groundwater monitoring wells MW-4 through MW-8 in May 1991 and in June 1991 conducted an SVE pilot test. Based on the results of the pilot test, RESNA recommended installing a SVE system with vapor trenches in lieu of installing vertical vapor wells.

In October 1992, RESNA installed four additional groundwater monitoring wells (MW-11 through MW-14). Soil sample analytical results detected TPH-g, TPH-d, and benzene at concentrations up to 2,000 mg/kg, 760 mg/kg and 57 mg/kg, respectively. In March 1993, RESNA conducted a 12-hour pumping test to determine whether the aquifer could sustain an average yield of 200-gallons per day. RESNA concluded that 200-gallons per day yield would probably be sustained. RESNA also concluded that the apparent physical characteristics of the water bearing unit beneath the site could limit the beneficial effects of a capture zone. Because the water bearing unit appears to consist of numerous thin discrete sand layers, a capture zone created by pumping

from one sand layer may not hydraulically influence and thus not capture hydrocarbon impacted groundwater in adjacent sand layers.

In June 1997, ENCON performed a site-specific RBCA and collected soil vapor samples from a depth of 1 to 1.5 feet bgs and determined that "groundwater and subsurface soil-to-indoor air scenarios for the commercial building on-site and the residences off-site were not exceeded by representative indoor air concentrations of benzene.

In June 2003, URS oversaw the dispenser upgrades and associated piping excavation and sampling. Soil sample analytical results detected benzene at concentrations up to 7 mg/kg in soil sample D-6. According to URS, approximately 21,000 gallons of water was pumped from the existing UST pit during upgrade work.

ACEH requests that you address the following technical comments and send us the technical work plan and reports requested below.

TECHNICAL COMMENTS

1. **Site Conceptual Model** – Our May 29, 2006 directive letter requested that an SCM be prepared and included in the Soil and Groundwater Investigation Report. Based on a review of the case file, it appears that the SCM has not been submitted. At this time, it may be advantageous to develop a site conceptual model (SCM), which synthesizes all the analytical data and evaluates all potential exposure pathways and potential receptors that may exist at the site, including identifying or developing site cleanup objectives and goals. At a minimum, the SCM should include:

    (1) Local and regional plan view maps that illustrate the location of sources (former facilities, piping, tanks, etc.) extent of contamination, direction and rate of groundwater flow, potential preferential pathways, and locations of receptors;

    (2) Geologic cross section maps that illustrate subsurface features, man-made conduits, and lateral and vertical extent of contamination;

    (3) Plots of chemical concentrations versus time;

    (4) Plots of chemical concentrations versus distance from the source;

    (5) Summary tables of chemical concentrations in different media (i.e. soil, groundwater, and soil vapor); and

    (6) Well logs, boring logs, and well survey maps;

    (7) Discussion of likely contaminant fate and transport.

    If data gaps (i.e. potential contaminant volatilization to indoor air or source area(s) are undefined, etc.) are identified in the SCM, please include a proposed scope of work to address those data gaps in the work plan due by the date specified below. Please note that

the work plan must address all technical comments presented in this correspondence and all data gaps identified by your consultant in their SCM.

2. **Contaminant Source Area Characterization** – As mentioned above significantly elevated concentrations of hydrocarbons were detected during UST removals. Specifically, TPH-g and benzene were detected at 7,100 mg/kg and 175 mg/kg respectively in soil sample ASW-2. In February 1993, borings B-23 through B-31 were installed along property boundary and Lewelling Bouleveard. Soil sample analytical results detected TPH-g and benzene as high as 900 mg/kg and 17 mg/kg, respectively in soil sample S-6.5-B24. Although boring B-10/MW-5 appears to adequately delineate vertical soil impact in the cross-gradient direction, the vertical and lateral extent of soil impact in the down-gradient direction and laterally northwest across Lewelling Boulevard appears undefined. Please propose a scope of work to address the above-mentioned concerns and submit a work plan by the date specified below.

3. **Monitoring Well Construction and Hydrogeologic Setting** – Monitoring wells MW-4, MW-5, MW-6, and MW-7 have been periodically "dry" during sampling. In order to obtain representative data that will ultimately justify groundwater contaminant plume stability, consistent cumulative data is required. Over the past several years, groundwater samples analytical results collected from MW-6 have been significantly elevated. During the most recent groundwater sampling event, the monitoring well was "dry." Please evaluate groundwater monitoring well constructions at the site and determine whether analytical results are representative of site conditions considering that water has been noted to transmit through several layers permeable lenses.

4. **Soil Vapor Sampling and RCBA** – As mentioned in the brief site history above, EMCON submitted a site-specific RBCA and soil vapor sampling results for the site in June 1997. ENCON collected soil vapor samples from a depth of 1 to 1.5 feet bgs and determined that "groundwater and subsurface soil-to-indoor air scenarios for the commercial building on-site and the residences off-site were not exceeded by representative indoor air concentrations of benzene. However, according to soil vapor sampling procedure included in the report, it appears a stainless steel rod with a one-inch perforated section was driven to depth. It is reported that "[a] vacuum was applied to the top of the stainless steel rod using a portable vacuum pump for five minutes until several volumes of air had been evacuated from the probe and rod. The soil gas samples were then collected by connecting empty Tedlar® bags to the probe..." The results of the soil vapor samples were utilized to evaluate potential contaminant volatilization from soil and groundwater to indoor air exposure scenario on and off site. Since significantly elevated concentrations of hydrocarbons have been detected in soil and groundwater, and no active remediation besides pilot testing appear to have been performed, it appears prudent to collect soil vapor samples utilizing more current methodologies to evaluate risk to on-site and off-site receptors. Please propose a scope of work to address the above-mentioned concerns and submit a work plan due by the date specified below.

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, including routine groundwater sampling.

TECHNICAL REPORT REQUEST

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

- **January 13, 2009** – SCM with Soil and Water Investigation Work Plan
- **January 30, 2009** – Quarterly Monitoring Report (4th Quarter 2008)
- **April 30, 2009** – Quarterly Monitoring Report (1st Quarter 2009)
- **July 30, 2009** – Quarterly Monitoring Report (2nd Quarter 2009)
- **October 30, 2009** – Quarterly Monitoring Report (3rd Quarter 2009)

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.

If you have any questions, 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

Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Tom Venus, Broadbent & Associates, Inc., 1324 Mangrove Ave., Ste 212, Chico, CA 95926
Donna Drogos, ACEH
Paresh Khatri, ACEH
File

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

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

April 2, 2009

Paul Supple
Atlantic Richfield Company
(A BP Affiliated Company)
P.O. Box 1257
San Ramon, CA 94583

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

Dear Mr. Supple:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Initial Site Conceptual Model with Soil & Groundwater Investigation Work Plan," dated March 24, 2009, which was prepared by Broadbent & Associates, Inc. (BAI) for the subject site. In addition to the "dry" monitoring wells, source area characterization, and potential contaminant volatilization to indoor air exposure scenario, BAI identified coordinated groundwater monitoring with the adjacent Shell site and bio-parameter analyses as additional data gaps.

ACEH generally concurs with the proposed scope of work and the proposed scope of work may be implemented provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Soil Vapor Sampling Methodology** – BAI proposes to install six shallow soil vapor sampling wells to a depth of 3.5 feet bgs. Prior to and during sampling, BAI proposes to use a tracer/leak check compound (i.e. shaving cream or liquid tracer) applied around the probe at the ground surface and at various connections/fittings on the sampling train.

   It is recommended that soil vapor wells or probes are constructed with the sampling device and all fittings placed under a shroud with pliable weather-stripping along its base. Inside the shroud, a known concentration of tracer gas can be released and monitored to ensure that a tracer gas atmosphere is maintained. The shroud should ensure that there is tracer gas around all sampling connections. The shroud should have a port for inserting a monitoring and sampling device (e.g. Photo Ionization Detector) to ensure that tracer gas atmosphere is maintained.

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 30, 2009** – Quarterly Monitoring Report (1st Quarter 2009)
- **July 2, 2009** – Soil and Water Investigation Report
- **July 30, 2009** – Quarterly Monitoring Report (2nd Quarter 2009)
- **October 30, 2009** – Quarterly Monitoring Report (3rd Quarter 2009)
- **January 30, 2010** – Quarterly Monitoring Report (4th Quarter 2009)

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.

If you have any questions, 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

Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Tom Venus, Broadbent & Associates, Inc., 1324 Mangrove Ave., Ste 212, Chico, CA 95926
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GeoTracker
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ALAMEDA COUNTY
HEALTH CARE SERVICES
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DAVID J. KEARS, Agency Director

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

August 21, 2009

Paul Supple (*Sent via E-mail to: paul.supple@bp.com*)
Atlantic Richfield Company
(A BP Affiliated Company)
P.O. Box 1257
San Ramon, CA 94583

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

Dear Mr. Supple:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Vapor Instrustion Assessment and Soil & Ground-Water Investigation Report," dated August 6, 2009, which was prepared by Broadbent & Associates Inc. (BAI) for the subject site. Soil vapor sample analytical results did not detect benzene above the laboratory detection limit. Toluene was detected at 3.3 µg/m^3, below the Regional Water Quality Control Board's (RWQCB) Environmental Screening Level (ESL) for residential land use risk scenario of 63,000 µg/m^3. BAI concludes, based on the analytical data, "[n]o further action regarding vapor intrusion assessment in warranted at this time.

BAI also reports that four groundwater monitoring wells (MW-16 through MW-19) were installed at the site. Soil sample analytical results detected TPH-g and benzene as high as 1,200 mg/kg and <1.0 mg/kg, respectively, in soil sample MW17 8'. Consequently, BAI states "[m]onitoring wells MW-16 through MW-19 will be sampled during the Third Quarter 2009 ground-water monitoring event, replacing wells MW-4 through MW-7, in the monitoring/sampling schedule." The most recent groundwater sample analytical results summarized in the "Second Quarter 2009 Ground-Water Monitoring Report," dated July 15, 2009 detected TPH-g as high as 720,000 µg/L in a groundwater sample collected from groundwater monitoring well MW-3. ACEH is concerned that concentrations, indicative of "free product," have been detected periodically since November 8, 1993 with no successful corrective actions completed to date.

ACEH requests that you address the request that you address the following technical comments, and send us the technical reports requested below.

TECHNICAL COMMENTS

1. **Feasibility Study/Corrective Action Plan** – As mentioned above, significantly elevated concentrations of hydrocarbons have been detected during this most recent investigation with TPH-g concentrations detected up to 1,200 mg/kg in soil and 720,000 µg/L in groundwater. At this time, a Feasibility Study/Corrective Action Plan (FS/CAP) prepared in accordance with Title 23, California Code of Regulations, Section 2725 appears warranted. The FS/CAP must

include a concise background of soil and groundwater investigations performed in connection with this case and an assessment of the residual impacts of the chemicals of concern (COCs) for the site and the surrounding area where the unauthorized release has migrated or may migrate. The FS/CAP should also include, but not limited to, a detailed description of site lithology, including soil permeability, and most importantly, contamination cleanup levels and cleanup goals, in accordance with the San Francisco Regional Water Quality Control Board (SFRWQCB) Basin Plan and appropriate ESL guidance for all COCs and for the appropriate groundwater designation. Please note that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with the SFRWQCB Basin Plan. Please specify appropriate cleanup levels and cleanup goals in accordance with 23 CCR Section 2725, 2726, and 2727 in the FS/CAP.

The FS/CAP must evaluate at least three viable alternatives for remedying or mitigating the actual or potential adverse effects of the unauthorized release(s) besides the 'no action' and 'monitored natural attenuation' remedial alternatives. Each alternative shall be evaluated not only for cost-effectiveness but also its timeframe to reach cleanup levels and cleanup goals, and ultimately the Responsible Party must propose the most cost-effective corrective action.

2. **Coordinated Groundwater Contaminant Plume Monitoring** – BAI recommends coordinated groundwater monitoring with the adjacent Former Shell Station #129460, located at 15275 Washington Avenue "to help determine a more accurate ground-water flow direction/gradient of the combined area and distribution and severity of subsurface petroleum contaminants." ACEH concurs with BAI coordinated groundwater monitoring recommendation and requests that Shell, by the copy of this letter, conduct coordinated groundwater monitoring with ARCO. Please submit a report due by the date specified below.

3. **Groundwater Contaminant Plume Monitoring Frequency** – Quarterly groundwater monitoring may be appropriate for a period of one year for the newly installed groundwater monitoring wells. In the upcoming groundwater sampling report, please include a groundwater monitoring plan for review. This may include quarterly monitoring for the newly installed wells and semi-annual and/or less frequent monitoring for existing wells.

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 including routine groundwater sampling.

TECHNICAL REPORT REQUEST

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

- **October 19, 2009** – Feasibility Study/Corrective Action Plan

- **October 5 or 30, 2009** – Semi-annual Monitoring Report (3rd Quarter 2009)

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.

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PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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UNDERGROUND STORAGE TANK CLEANUP FUND

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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.

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

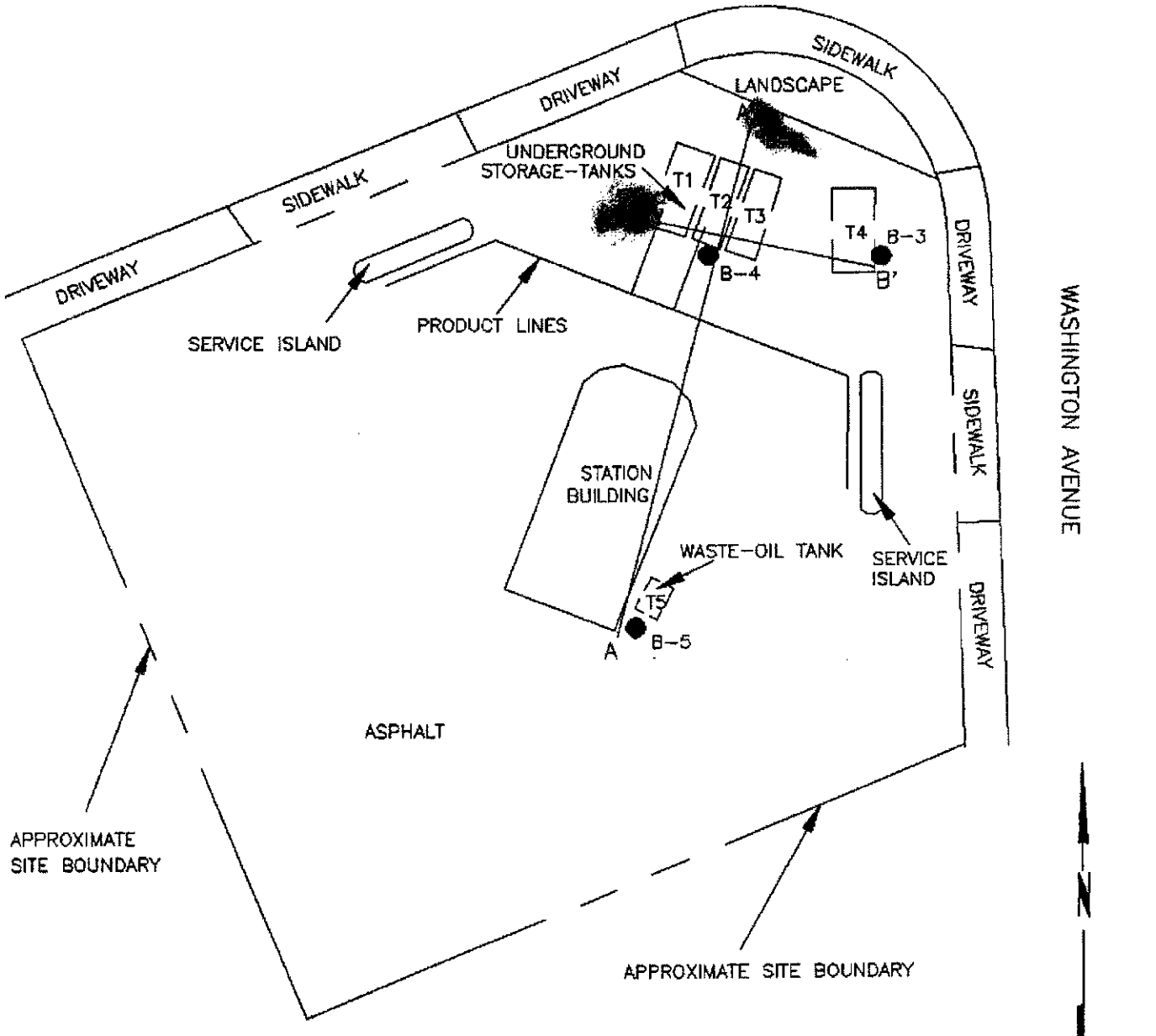
Paresh C. Khatri
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Tom Venus, Broadbent & Associates, Inc., 1324 Mangrove Ave., Ste 212, Chico, CA 95926
(*Sent via E-mail to*: *tvenus@broadbentinc.com*)
Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810-1039
Frank Selel, Selel Enterprises, P.O. Box 5099, Oakland, CA 94605
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Jerry Wickham, ACEH
Paresh Khatri, ACEH (*Sent via E-mail to: paresh.khatri@acgov.org*)
GeoTracker
File

APPENDIX B

Historical Soil and Ground-Water Data



A — A' = Location of cross sections

B — B' = Presented in Plate P - 9

B-5 ● = Soil boring

Sourse: Modified from plan supplied by Arco

Approximate Scale

30 15 0 30 60

feet

Applied GeoSystems

PROJECT NO. 69034-1

GENERALIZED SITE PLAN
ARCO Service Station No. 601
Washington Ave. and Lewelling Blvd.
San Leandro, California

PLATE P - 2

ppm respectively. VOC were nondetectable in samples analyzed from boring B-5. The results of the laboratory analyses are presented in the Analysis Data Sheets included in Appendix B. Laboratory results of samples analyzed for TPHg and BTEX are summarized in Table 1.

TABLE 1
RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
ARCO Station No. 601
Washington Avenue and Lewelling Boulevard
San Leandro, California

Sample Identifier	TPHg	B	T	E	X	TOG	VOC
S-5-B1	[illegible]	8.3	19	5.1	26	NT	NT
S-10-B1	[illegible]	10	37	6	48	NT	NT
S-15-B1	<1	0.007	0.011	<0.005	0.012	NT	NT
S-5-B2	[illegible]	[illegible]	450	110	660	NT	NT
S-10-B2	<1	0.015	0.016	<0.005	0.018	NT	NT
S-14-B2	<1	0.015	0.030	<0.005	0.035	NT	NT
S-5-B3	23	0.710	<0.05	0.40	0.034	NT	NT
S-10-B3	[illegible]	0.700	3.2	1.4	9.6	NT	NT
S-5-B4	12	0.33	0.37	<0.05	0.75	NT	NT
S-10-B4	65	1.9	2.0	0.7	4.6	NT	NT
S-5-B5	[illegible]	2.1	3.8	0.8	2.8	[illegible]	BDC
S-10-B5	[illegible]	10	90	21	130	[illegible]	BDC

Results in milligrams per kilogram (mg/kg), or parts per million (ppm).
TPHg: Total petroleum hydrocarbons as gasoline
B:benzene T:toluene E:ethylbenzene X:total xylene isomers
BDC: Report concentration below detection concentration
NT: Not tested.
Sample identification:

S-10-B3
| | └─Boring number
| └──Approximate sample depth in feet
└────Soil sample

TABLE 1

SOIL ANALYSES DATA

SAMPLE NO	SAMPLE DATE	ANALYZED DATE	TPH (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	DIESEL (PPM)	OIL (PPM)	OIL & GR (PPM)
AP-1	24-Jan-90	29-Jan-90	6.8	0.13	<0.025	<0.025	0.20	N/A	N/A	N/A
AP-2	24-Jan-90	29-Jan-90	12.	0.71	0.049	0.31	0.60	N/A	N/A	N/A
AP-3	24-Jan-90	29-Jan-90	47.	1.1	2.1	0.63	5.5	N/A	N/A	N/A
AP-4	24-Jan-90	29-Jan-90	[illegible]	5.1	10.	2.8	18.	N/A	N/A	N/A
AP-5	24-Jan-90	29-Jan-90	42.	1.5	3.9	0.95	14.	N/A	N/A	N/A
AT-1a	08-Jan-90	08-Jan-90	<10	0.043	0.072	0.013	0.085	N/A	N/A	N/A
AT-1b	08-Jan-90	08-Jan-90	<10	0.014	0.035	0.0079	0.046	N/A	N/A	N/A
AT-2a	08-Jan-90	08-Jan-90	<10	<0.005	0.0068	<0.005	<0.005	N/A	N/A	N/A
AT-2b	08-Jan-90	08-Jan-90	<10	0.0071	<0.005	<0.005	<0.005	N/A	N/A	N/A
AT-3a	08-Jan-90	08-Jan-90	<10	0.023	0.041	0.013	0.036	N/A	N/A	N/A
AT-3b	08-Jan-90	08-Jan-90	<10	0.016	<0.005	<0.005	0.0077	N/A	N/A	N/A
AT-4a	08-Jan-90	08-Jan-90	<10	0.068	0.17	<0.005	0.014	N/A	N/A	N/A
AT-4b	08-Jan-90	08-Jan-90	<10	<0.005	0.048	<0.005	0.08	N/A	N/A	N/A
ASW-1	09-Jan-90	09-Jan-90	[illegible]	36	111	50	210	N/A	N/A	N/A
ASW-2	09-Jan-90	09-Jan-90	[illegible]	[illegible]	509	220	980	N/A	N/A	N/A
ASW-3	08-Jan-90	08-Jan-90	[illegible]	3.1	3.1	3.8	15	N/A	N/A	N/A
ASW-4	09-Jan-90	09-Jan-90	[illegible]	12	46	26	129	N/A	N/A	N/A
ANP-1	10-Jan-90	10-Jan-90	[illegible]	8.1	3.9	5.8	20	N/A	N/A	N/A
ANP-2	10-Jan-90	10-Jan-90	36	2	.8	1.4	5.1	N/A	N/A	N/A

ALL DATA SHOWN AS <X ARE REPORTED AS ND (NONE DETECTED)

Project No. 7918-2

TABLE 2

SOIL ANALYSES DATA

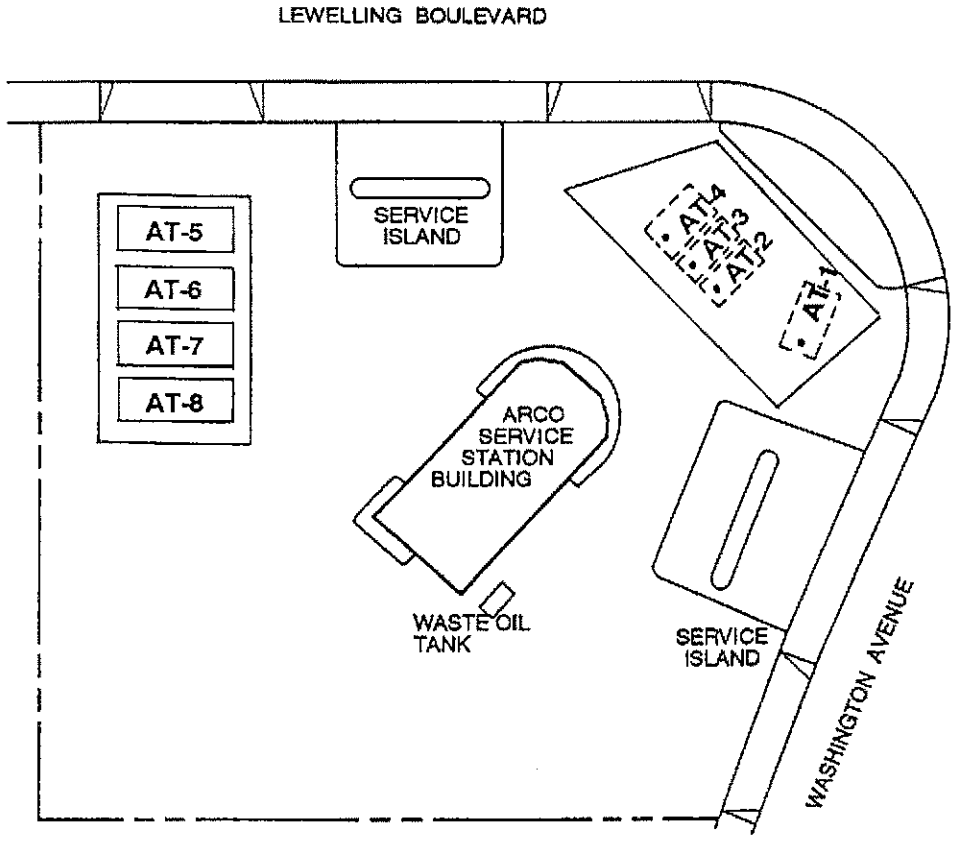
BORING NO	SAMPLE DATE	ANALYZED DATE	TPH (PPM)	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBENZENE (PPM)	XYLENES (PPM)	DIESEL (PPM)	OIL (PPM)	OIL & GR (PPM)
AWO-1	09-Jan-90	15-Jan-90	690.	<0.010	0.027	0.019	0.69	630.	N/A	4400.
AWO-3	26-Jan-90	30-Jan-90	15.	1.5	0.08	0.25	0.88	11.	<20.	<50.
AWO-5	26-Jan-90	30-Jan-90	<3.0	0.11	0.11	<0.03	0.10	<5.	<20.	<50.

ALL DATA SHOWN AS <X ARE REPORTED AS ND (NONE DETECTED)

TABLE 3

Sample No.	Date Collected	TPH-Gasoline in PPM	Date Removed	Approximate Volume
Soils from Former UGST excavation				
AS-1(a-d)	1-8-90	1,000	1-9-90	
AS-2(a-d)	1-8-90	1,900	1-9-90	
AS-3(a-d)	1-8-90	2,600	1-9-90	
AS-4(a-d)	1-8-90	2,000	1-9-90	
AS-5(a-d)	1-9-90	34	1-9-90	
AS-6(a-d)	1-9-90	560	1-9-90	288 yds^3
AS-8(a-d)	1-9-90	190	1-10-90	
AS-9(a-d)	1-9-90	230	1-10-90	
AS-10(a-d)	1-9-90	350	1-10-90	
AS-11(a-d)	1-9-90	690	1-10-90	
AS-12(a-d)	1-9-90	220	1-10-90	
AS-13(a-d)	1-9-90	340	1-10-90	300 yds^3
TOTAL				588 yds^3
Soils from New UGST excavation				
AS-14(a-d)	1-10-90	10	1-12-90	
AS-15(a-d)	1-10-90	44	1-12-90	
AS-16(a-d)	1-10-90	45	1-12-90	150 yds^3
AS-17(a-d)	1-12-90	10.7	1-15-90	
AS-18(a-d)	1-12-90	10.4	1-15-90	
AS-19(a-d)	1-12-90	9.2	1-15-90	150 yds^3
AS-31(a-d)	1-16-90	4.4	1-22-90	
AS-32(a-d)	1-16-90	74	1-22-90	
AS-33(a-d)	1-16-90	<2.5	1-22-90	
AS-34(a-d)	1-16-90	8.4	1-22-90	
AS-35(a-d)	1-16-90	14	1-22-90	
AS-36(a-d)	1-16-90	11	1-22-90	
AS-37(a-d)	1-16-90	9.6	1-22-90	
AS-38(a-d)	1-16-90	12	1-22-90	
AS-39(a-d)	1-16-90	<2.5	1-22-90	
AS-40(a-d)	1-16-90	9.2	1-22-90	
AS-41(a-d)	1-16-90	3.0	1-22-90	550 yds^3
AS-43(a-d)	1-24-90	16	1-26-90	
AS-44(a-d)	1-24-90	18	1-26-90	100 yds^3
TOTAL				950 yds^3

Note: Soil volumes are estimates based on the weight and volume capacities of the trailers used for hauling the soils.



EXPLANATION

- • Fill riser
- AT-1 Tank Designation

Regular Gasoline
AT-1 and 6

Unleaded Gasoline
AT-2, 3, 7 and 8

Super Unleaded Gasoline
AT-4 and 5

N

0 40 80

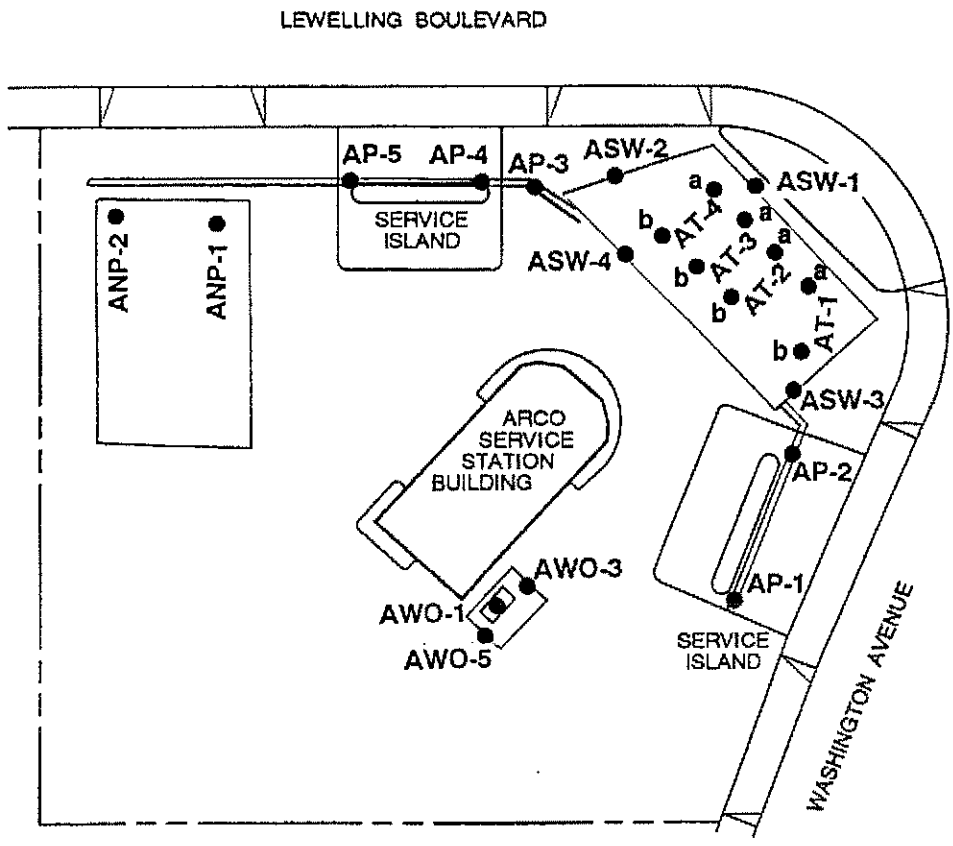
Scale in Feet

GeoStrategies Inc.

Tank Designation Map
Arco Service Station #601
712 Lewelling Boulevard
San Leandro, California

PLATE
2

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7918	CWP 4/6/90	3/90		



EXPLANATION

- ANP-1 New excavation sample location
- AP-1 Piping Trench sample location
- ASW-1 Sidewall sample location
- AT-1a Former UGST sample location
- AWO-1 Waste Oil Tank excavation sample location

Note: Sample locations shown are approximate

N

0 40 80

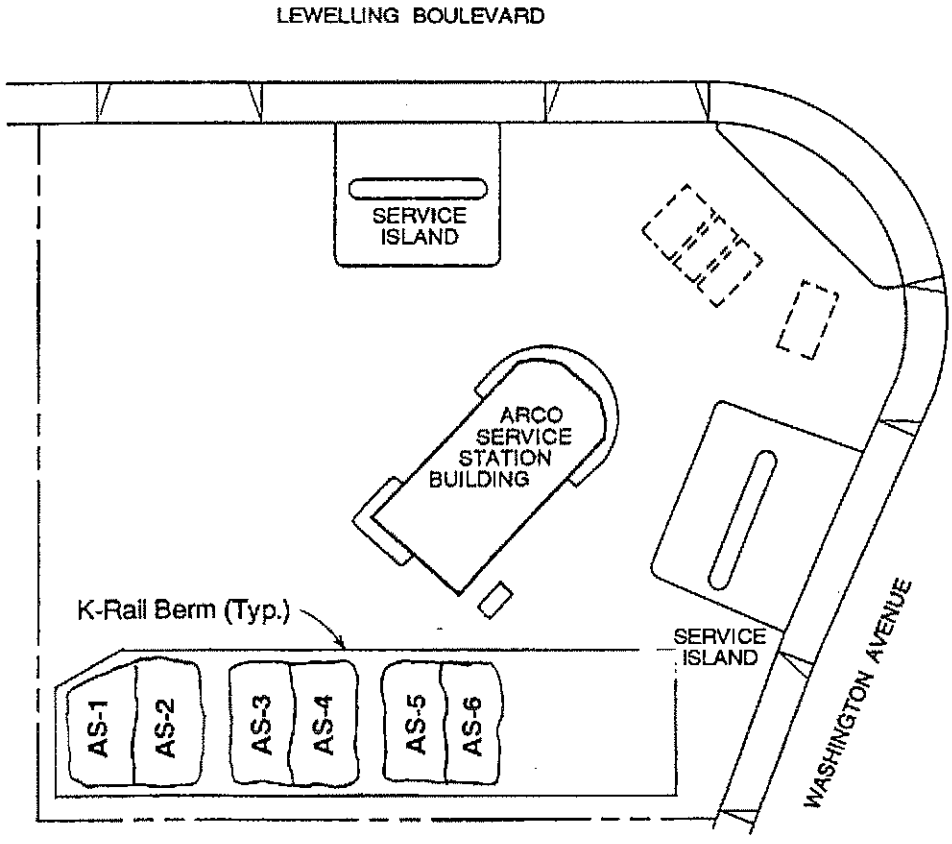
Scale in Feet

GeoStrategies Inc.

Soil Sampling Location Map
Arco Service Station #601
712 Lewelling Boulevard
San Leandro, California

PLATE 3

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7918	RWP CEG 12/92	3/90		



EXPLANATION

AS-1 Composite soil samples collected on January 8, and 9, 1990

N

0 40 80

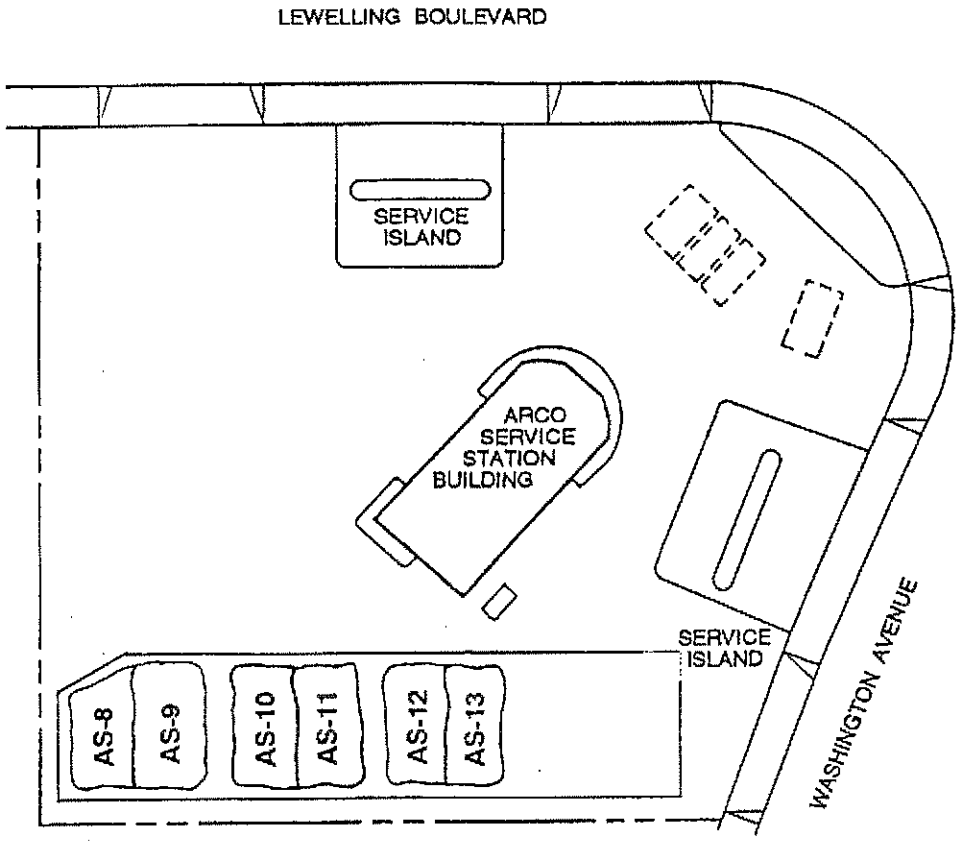
Scale in Feet

GeoStrategies Inc.

Soil Stockpile Sample Location Map
Arco Service Station #601
712 Lewelling Boulevard
San Leandro, California

PLATE **4**

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7918		3/90		



EXPLANATION

AS-8 Composite soil samples collected on January 9, 1990

N

0 40 80

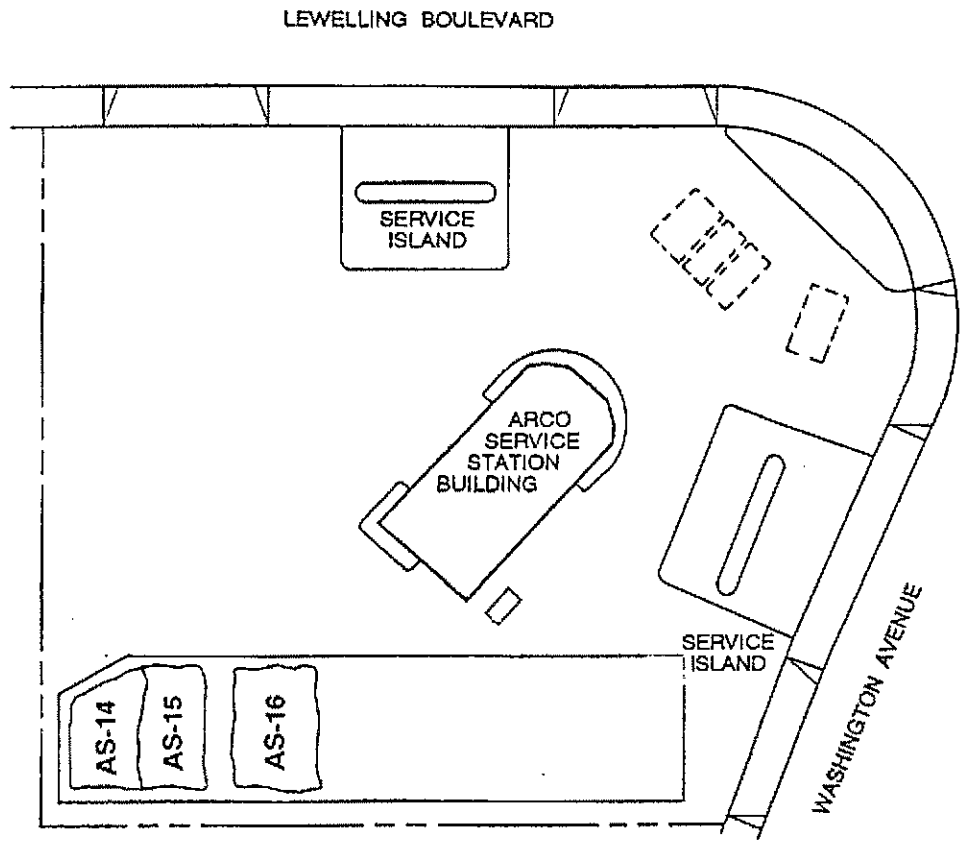
Scale in Feet

GeoStrategies Inc.

Soil Stockpile Sample Location Map
Arco Service Station #601
712 Lewelling Boulevard
San Leandro, California

PLATE 5

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7918	CEG 1262	3/90		



EXPLANATION

AS-14 Composite soil samples collected on January 10, 1990

N

0 40 80

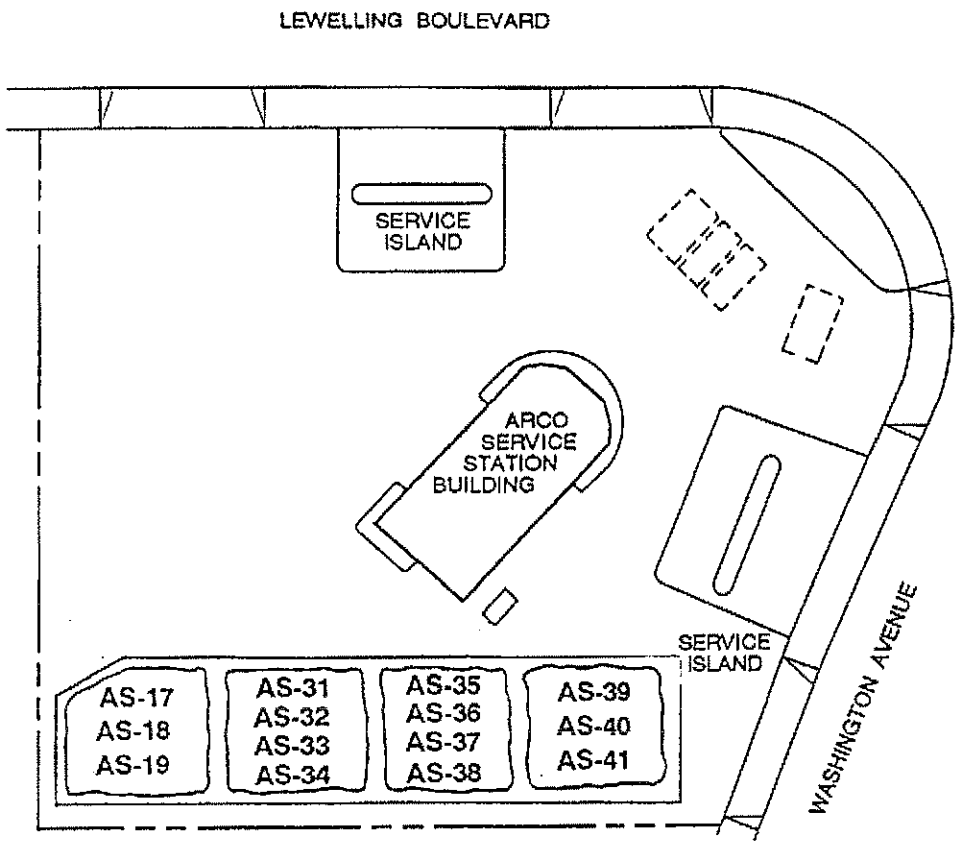
Scale in Feet

GSI GeoStrategies Inc.

Soil Stockpile Sample Location Map
Arco Service Station #601
712 Lewelling Boulevard
San Leandro, California

PLATE 6

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7918	RWP CEG 1262	3/90		



EXPLANATION

AS-17 Composite soil samples collected on January 12 and 16, 1990 (samples from new tank excavation)

N

0 40 80

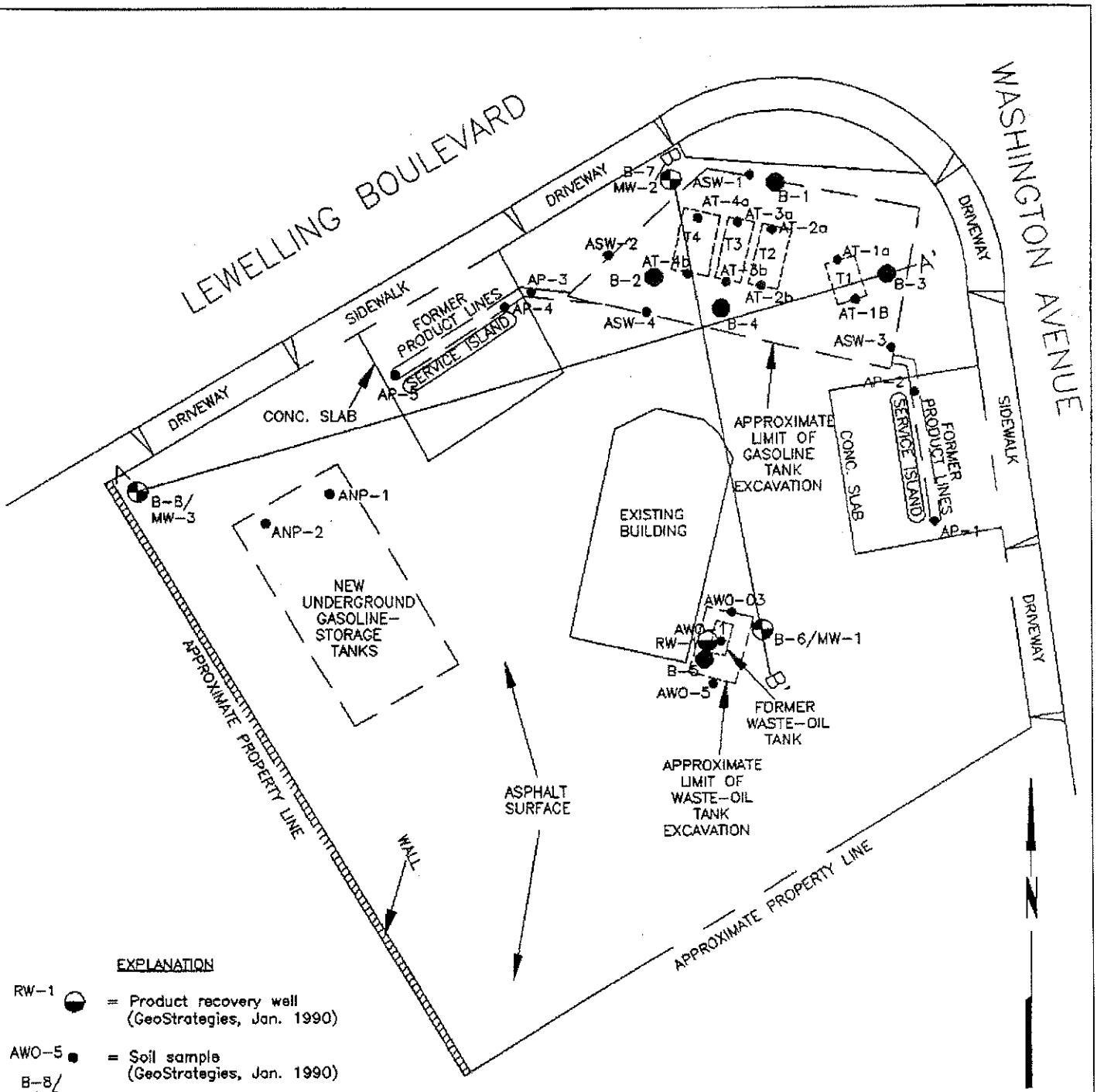
Scale in Feet

GSI GeoStrategies Inc.

Soil Stockpile Sample Location Map
Arco Service Station #601
712 Lewelling Boulevard
San Leandro, California

PLATE 7

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7918	RWP CEG 1202	3/90		



EXPLANATION

RW-1 = Product recovery well (GeoStrategies, Jan. 1990)

AWO-5 = Soil sample (GeoStrategies, Jan. 1990)

B-8/MW-3 = Ground-water monitoring well (Applied GeoSystems, June 1990)

B-5 = Soil boring (Applied GeoSystems, August 1989)

T4 = Former Underground Gasoline-storage tanks

B B' = Geologic cross sections

Approximate Scale

30 15 0 30 60

feet

Source: Surveyed by Ron Archer, Civil Engineer Inc.

Applied GeoSystems

PROJECT 69034-4W

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 2

TABLE 1
GROUND-WATER MONITORING DATA
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

Date Well Measured	Depth of Well	Well Elevation	Depth-to-Water	Water Elevation	Product Evidence
MW-1					
07/17/90	11.20	22.98	9.03	13.95	emulsion
08/07/90	11.18	22.98	9.19	13.79	NA
MW-2					
07/17/90	12.33	22.06	7.86	14.20	odor
08/07/90	12.24	22.06	8.03	14.03	NA
MW-3					
07/17/90	11.99	20.84	7.03	13.81	sheen
08/07/90	11.98	20.84	7.21	13.63	NA

Measurements in feet.
Datum mean sea level.
Depth-to-Water measured in feet below top of casing.
NA = Not analyzed.

TABLE 2
LABORATORY ANALYSIS OF SOIL SAMPLES
June 1990
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California
(Page 1 of 2)

Sample Number	TPHg	TPHd	TOG	B	T	E	X	Organic Lead
S-4 1/2-B6	9.5	<10	190	1.4 (0.490)	0.099 (0.038)	0.25 (0.120)	1.3 (0.650)	NA
S-7 1/2-B6	420	280	130	6.0 (5.800)	27 (33.000)	8.8 (19.000)	52 (130.000)	NA
S-12-B6	[illegible]	<10	[illegible]	[illegible] (<0.010)	[illegible]	[illegible]	[illegible]	<0.01
S-16 1/2-B6	<1.0	<10	[illegible]	<0.0050 (<0.010)	[illegible]	[illegible] (<0.010)	[illegible]	NA
S-4 1/2-B7	9.3	NA	NA	0.71	0.040	0.18	0.68	NA
S-10-B7	15	NA	NA	0.99	0.71	0.50	1.3	<0.01
S-12 1/2-B7	<1.0	NA	NA	[illegible]	[illegible]	<0.0050	[illegible]	NA
S-16-B7	<1.0	NA	NA	[illegible]	[illegible]	<0.0050	[illegible]	NA
S-6-B8	620	NA	NA	11	30	16	82	NA
S-9-B8	3.1	NA	NA	[illegible]	[illegible]	[illegible]	[illegible]	<0.01
S-12-B8	1.7	NA	NA	[illegible]	[illegible]	[illegible]	[illegible]	NA
S-15 1/2-B8	<1.0	NA	NA	[illegible]	[illegible]	<0.0050	[illegible]	NA

See Notes on Page 2 of 2

TABLE 2
LABORATORY ANALYSIS OF SOIL SAMPLES
June 1990
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California
(Page 2 of 2)

Sample Number	BNAs	VOCs	Cadmium	Chromium	Lead	Zinc
S-4 1/2-B6	brl	brl	9.4	63.0	[illegible]	63.9
S-7 1/2-B6	2.9[a], 2.6[b]	brl	4.5	49.8		51.3
S-12-B6	brl	brl	13.2	61.2		55.0
S-16 1/2-B6	brl	brl	13.5	64.8		53.0
TTLC			100	2,500	1,000	5,000

Results are in parts per million (ppm)
TPHg = total petroleum hydrocarbons as gasoline
B = benzene
T = toluene
E = ethylbenzene
X = total xylenes
( ) = BTEX results analyzed as VOCs
PNAs = base neutral and acid extractables including polynuclear aromatics ([a] = naphthalene, [b] = 2-methylnaphthalene)
VOCs = volatile organics except for BTEX
< = Below indicated laboratory reporting limit
brl = below laboratory reporting limit for respective compounds
NA = Not Analyzed
TTLC = Total threshold limit concentration values (Title 22 of the California Administrative Code, January 1988)
Sample Number explanation:

S-12-B6
- S-12-B6 — Boring number
- S-12-B6 — Sample depth in feet below ground surface
- S-12-B6 — Soil sample

TABLE 3
LABORATORY ANALYSIS OF SOIL SAMPLES
ARCO Station 601
San Leandro, California

Sample Number	TPHg	TPHd	TOG	B	T	E	X	Organic Lead
June 1990								
S-4 1/2-B6	9.5	<10	190	1.4 (0.490)	0.099 (0.038)	0.25 (0.120)	1.3 (0.650)	NA
S-7 1/2-B6	420	280	130	6.0 (5.800)	27 (33.000)	8.8 (19.000)	52 (130.000)	NA
S-12-B6	6.5	<10	130	0.062 (<0.010)	0.29 (0.037)	0.10 (0.011)	0.60 (0.097)	<0.01
S-16 1/2-B6	<1.0	<10	63	<0.0050 (<0.010)	0.040 (0.015)	0.011 (<0.010)	0.069 (0.041)	NA
S-4 1/2-B7	9.3	NA	NA	0.71	0.040	0.18	0.68	NA
S-10-B7	15	NA	NA	0.99	0.71	0.50	1.3	<0.01
S-12 1/2-B7	<1.0	NA	NA	0.056	0.015	<0.0050	0.011	NA
S-16-B7	<1.0	NA	NA	0.0085	0.0071	<0.0050	0.0094	NA
S-6-B8	620	NA	NA	11	30	16	82	NA
S-9-B8	3.1	NA	NA	0.18	0.25	0.094	0.43	<0.01
S-12-B8	1.7	NA	NA	0.034	0.039	0.0098	0.046	NA
S-15 1/2-B8	<1.0	NA	NA	0.082	0.076	<0.0050	0.079	NA

Sample Number	BNAs	VOCs	Cadmium	Chromium	Lead	Zinc
S-4 1/2-B6	brl	brl	9.4	63.0	287.1	63.9
S-7 1/2-B6	2.9[a], 2.6[b]	brl	4.5	49.8	242.0	51.3
S-12-B6	brl	brl	13.2	61.2	105.1	55.0
S-16 1/2-B6	brl	brl	13.5	64.8	100.5	53.0
TTLC			100	2,500	1,000	5,000

Results are in parts per million (ppm)
< = Below indicated laboratory reporting limit
brl = below laboratory reporting limit for respective compounds
NA = Not Analyzed
TPHg = total petroleum hydrocarbons as gasoline
B = benzene, T = toluene, E = ethylbenzene, X = total xylenes
( ) = BTEX results analyzed as VOCs
BNAs = base neutral and acid extractables including polynuclear aromatics ([a] = naphthalene, [b] = 2-methylnaphthalene)
VOCs = volatile organics except for BTEX
TTLC = Total threshold limit concentration values (Title 22 of the California Administrative Code, January 1988)

See notes on Page 2 of 2.

TABLE 3
LABORATORY ANALYSES OF GROUND-WATER SAMPLES
July 1990
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

Well Number	TPHg	TPHd	TOG	Benzene	Toluene	Ethyl-benzene	Total xylenes
MW-2	35,000	850*	<5,000	3,800 (3,200)	2,900 (2,400)	690 (270)	3,600 (2,900)
MW-3	N/A	N/A	<5,000	N/A	N/A	N/A	N/A

Well Number	BNAs	VOCs	Cadmium	Chromium	Lead	Zinc
MW-2	340[a],170[b]	39[c]	<20	50	50	120
DWAL	--	40[c]	10	50	50	5000

Results are in parts per billion (ppb)
TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel (* Applied Analytical laboratories reports the chromatograph resembled gasoline and not diesel)
TOG = total oil and grease
( ) BTEX results analyzed as VOCs
PNAs = base neutral and acid extractables including polynuclear aromatics
Concentrations are below laboratory reporting limits for respective compounds except as indicated.
([a] = naphthalene, [b] = 2-methylnaphthalene)
VOCs = volatile organics except for BTEX
Concentrations are below laboratory reporting limits for respective compounds except as indicated.
([c] = methylene chloride)
< = Below indicated laboratory reporting limit
brl = below laboratory reporting limit for respective compounds
NA = Not Analyzed
DWAL = California Department of Health Services recommended drinking water action levels (July 1990)

TABLE 4
LABORATORY ANALYSIS OF SOIL SAMPLES
August 1989
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

Sample	TPHg	TOG	B	T	E	X	VOCs
S-5-B1	350	NA	8.3	19	5.1	26	NA
S-10-B1	610	NA	10	37	6	48	NA
S-15-B1	<10	NA	0.007	0.011	<0.005	0.012	NA
S-5-B2	12,000	NA	60	450	110	660	NA
S-10-B2	<1	NA	0.015	0.016	<0.005	0.018	NA
S-14-B2	<1	NA	0.015	0.030	<0.005	0.035	NA
S-5-B3	23	NA	0.710	<0.05	0.40	0.034	NA
S-10-B3	180	NA	0.700	3.2	1.4	9.6	NA
S-5-B4	12	NA	0.33	0.37	<0.05	0.75	NA
S-10-B4	65	NA	1.9	2.0	0.7	4.6	NA
S-5-B5	370	4,800	2.1	3.8	0.8	2.8	brl
S-10-B5	2,600	130	10	90	21	130	

Results are in parts per million (ppm)
TPHg = total petroleum hydrocarbons as gasoline
B = benzene; T = toluene; E = ethylbenzene; X = total xylenes
VOCs = volatile organic compounds
< = Below indicated laboratory reporting limit
brl = below laboratory reporting limit for respective compounds
NA = Not Analyzed
Sample Number explanation:

S-12-B6
- S = Soil sample
- 12 = Sample depth in feet below ground surface
- B6 = Boring number

TABLE 5
LABORATORY ANALYSIS OF SOIL SAMPLES BY GEOSTRATEGIES
January 1990
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California
(Page 1 of 2)

Sample Number	TPHg	TPHd	TPHo	TOG	B	T	E	X
AP-1	6.8	NA	NA	NA	0.13	<0.025	<0.025	0.20
AP-2	12	NA	NA	NA	0.71	0.049	0.31	0.60
AP-3	47	NA	NA	NA	1.1	2.1	0.63	5.5
AP-4	120	NA	NA	NA	5.1	10	2.8	18
AP-5	42	NA	NA	NA	1.5	3.9	0.95	14
AT-1a	<10	NA	NA	NA	0.043	0.072	0.013	0.085
AT-1b	<10	NA	NA	NA	0.014	0.035	0.0079	0.046
AT-2a	<10	NA	NA	NA	<0.005	0.0068	<0.005	<0.005
AT-2b	<10	NA	NA	NA	0.0071	<0.005	<0.005	<0.005
AT-3a	<10	NA	NA	NA	0.023	0.041	0.013	0.036
AT-3b	<10	NA	NA	NA	0.016	<0.005	<0.005	0.0077
AT-4a	<10	NA	NA	NA	0.068	0.17	<0.005	0.014
AT-4b	<10	NA	NA	NA	<0.005	0.048	<0.005	0.08
ASW-1	1,600	NA	NA	NA	36	111	50	210
ASW-2	7,100	NA	NA	NA	175	509	220	980
ASW-3	140	NA	NA	NA	3.1	3.1	3.8	15
ASW-4	1,400	NA	NA	NA	12	46	26	129

See Notes on Page 2 of 2

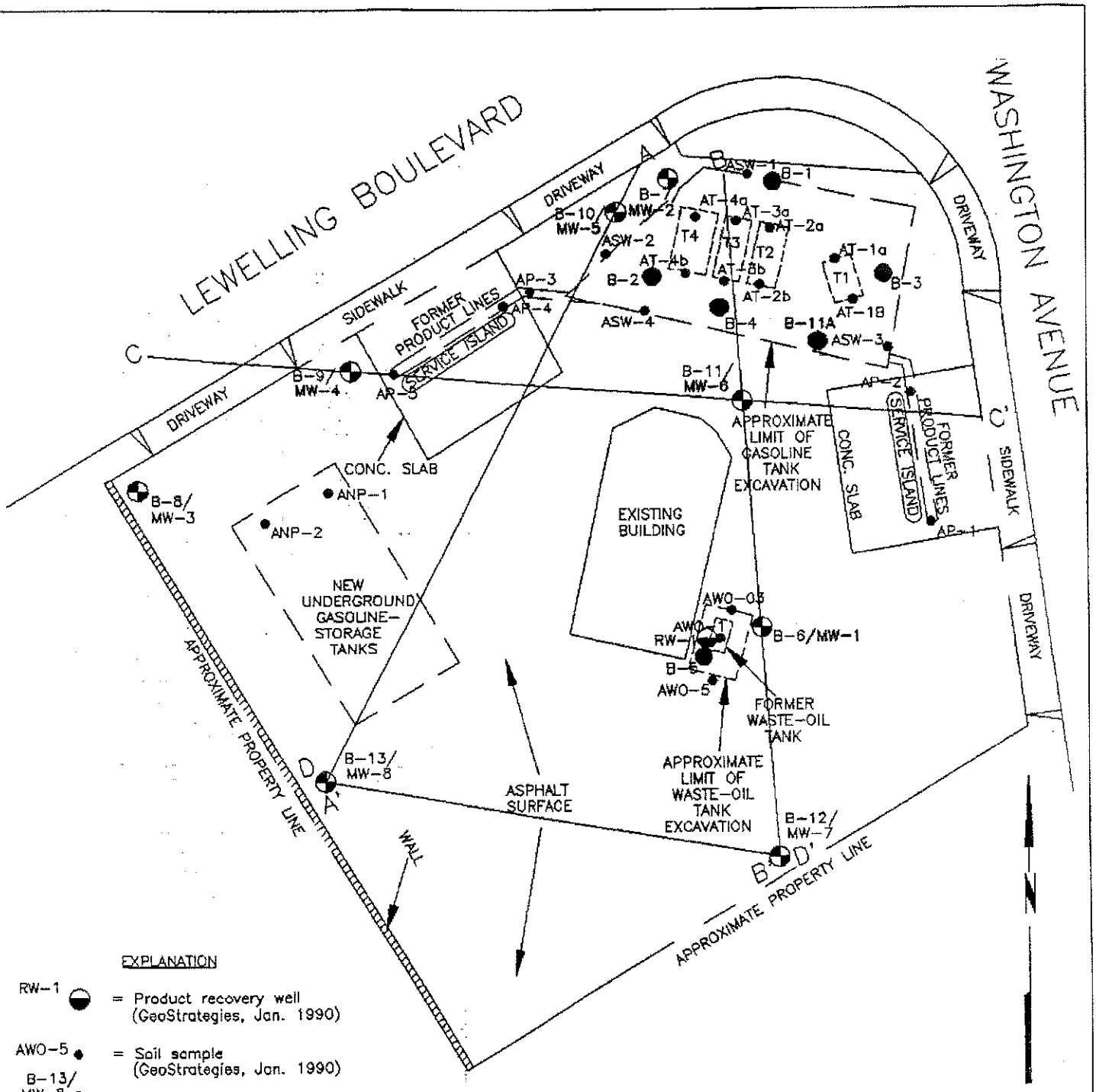
TABLE 5
LABORATORY ANALYSIS OF SOIL SAMPLES BY GEOSTRATEGIES
January 1990
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California
(Page 2 of 2)

Sample Number	TPHg	TPHd	TPHo	TOG	B	T	E	X
ANP-1	150	NA	NA	NA	8.1	3.9	5.8	20
ANP-2	36	NA	NA	NA	2	0.8	1.4	5.1
AWO-1	690	630	4,400	NA	<0.010	0.027	0.019	0.69
AWO-3	15	11	<50	<20	1.5	0.08	0.25	0.88
AWO-5	<3.0	<5	<50	<20	0.11	0.11	<0.03	0.10

Results are in parts per million (ppm)
TPHg = total petroleum hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
TPHo = Total Petroleum Hydrocarbons as oil
TOG = Total Oil and Grease
B = benzene T = toluene E = ethylbenzene X = total xylenes
< = Below indicated laboratory reporting limit
NA = Not Analyzed

Sample Number explanation:

AP-5 = Product line soil sample
AT-4b = Former product tank number base soil sample
ASW-4 = Former product tank excavation sidewall soil sample
ANP-2 = New product tank excavation soil sample
AWO-5 = Former waste-oil tank excavation soil sample



EXPLANATION

RW-1 = Product recovery well (GeoStrategies, Jan. 1990)

AWO-5 = Soil sample (GeoStrategies, Jan. 1990)

B-13/MW-8 = Vapor extraction/ground-water monitoring well (Applied GeoSystems, June 1990 and May 1991)

B-11A = Soil boring (Applied GeoSystems, August 1989 and May 1991)

T4 = Former Underground Gasoline-storage tanks

D D' = Geologic cross sections

Approximate Scale

30 15 0 30 60

feet

Source: Surveyed by Ron Archer, Civil Engineer Inc.

RESNA

PROJECT 69034.04

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 2

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
ARCO Station 601
San Leandro, California
(Page 1 of 2)

Date Well Measured	Depth of Well	Well Elevation	Depth-to-Water	Water Elevation	Product Evidence
MW-1					
07/17/90	11.20	22.98*	9.03	13.95	emulsion
08/07/90			9.19	13.79	odor
10/15/90			9.85	13.13	0.25
11/20/90			9.79	13.19	0.46
12/21/90			9.18	13.80	sheen
01/09/91			9.47	13.51	0.02
06/10/91		22.26**	9.00	13.26	emulsion
07/18/91			9.34	12.92	0.01
MW-2					
07/17/90	12.33	22.06*	7.86	14.20	odor
08/07/90			8.03	14.03	
10/15/90			8.61	13.45	
11/20/90			8.76	13.30	
12/21/90			8.28	13.78	odor
01/09/91			8.43	13.63	odor
06/10/91		21.33**	7.91	13.42	
07/18/91			8.30	13.03	
MW-3					
07/17/90	11.99	20.84*	7.03	13.81	sheen
08/07/90			7.21	13.63	odor
10/15/90			8.19	12.65	0.75
11/20/90			7.98	12.85	1.08
12/21/90			7.22	13.62	0.01
01/09/91			7.46	13.38	0.30
06/10/91		20.11**	7.14	12.97	sheen
07/18/91			7.55	12.56	odor

See Notes on Page 2 of 2

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
ARCO Station 601
San Leandro, California
(Page 2 of 2)

Date Well Measured	Depth of Well	Well Elevation	Depth-to-Water	Water Elevation	Product Evidence
MW-4					
06/10/91	9.00	20.75**	---	well dry	
07/18/91			7.86	12.89	
MW-5					
06/10/91	10.50	20.90**	7.58	13.32	
07/18/91			7.97	12.93	
MW-6					
06/10/91	9.00	22.08**	---	well dry	
07/18/91			---	well dry	
MW-7					
06/10/91	10.00	22.89**	---	well dry	
07/18/91			---	well dry	
MW-8					
06/10/91	10.50	20.97**	7.80	13.17	odor
07/18/91			8.36	12.61	odor

Measurements in feet.
Elevations expressed as feet mean sea level.
Depth-to-Water measured in feet below top of casing.
Wells were surveyed on 07/17/90 (*) and resurveyed with new wells 06/20/91 (**).

TABLE 2
VAPOR-EXTRACTION TEST FIELD MONITORING DATA
ARCO Station 601
San Leandro, California

Influent Air Stream at Extraction Well				Observation Wells			
Flow	Conc.	Vacuum	Temp.	MW-1 (Vacuum Measured)	MW-2	MW-4	MW-5
37	NT	>50	72	0	0	0	0
35	1,000	49	72	0	>0.06	0	0
55	2,500	>50	72	0	>0.10	0.015	0.02
44	3,000	>50	73	0	>0.09	0	0
Distance from extraction well MW-6 (feet):				42	57	88	57

NT = Not Taken
Flow measured in cubic feet per minute (CFM).
Concentration of organic vapors measured in parts per million by volume (ppmv) on Organic Vapor Meter.
Vacuum measured in inches of water column vacuum.
Temperature measured in degrees Fahrenheit.

TABLE 3
LABORATORY ANALYSIS OF SOIL SAMPLES
May 1991
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California
(Page 1 of 2)

Sample Number	TPHg	TPHd	TOG	B	T	E	X
S-5 1/2-B9	120	NA	NA	1.6	4.2	1.9	12
S-7-B9	420	NA	NA	5.9	24	8.4	48
S-8 1/2-B9	170	NA	NA	3.7	14	3.5	20
S-11 1/2-B9	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
S-14 1/2-B9	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
S-17 1/2-B9	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
S-5 1/2-B10	500	NA	NA	2.8	8.1	7.4	34
S-7 1/2-B10	2,700	NA	NA	27	150	65	370
S-10-B10	4.9	NA	NA	0.33	0.33	0.10	0.51
S-16-B10	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
S-6-B11A	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
S-5 1/2-B11	4.4	NA	NA	0.72	0.0.19	0.022	0.041
S-8 1/2-B11	100	NA	NA	3.0	9.3	2.7	1.5
S-12-B11	<1.0	NA	NA	0.011	0.019	0.0055	0.025
S-15-B11	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050
S-5 1/2-B12	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050
S-7 1/2-B12	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050
S-10 1/2-B12	23	6.0	<30	<0.0050	0.24	0.50	2.2
S-14 1/2-B12	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050

See Notes on Page 2 of 2

TABLE 3
LABORATORY ANALYSIS OF SOIL SAMPLES
May 1991
ARCO Station 601
San Leandro, California
(Page 2 of 2)

Sample Number	TPHg	TPHd	TOG	B	T	E	X
S-5 1/2-B13	8.4	15	<30	0.022	0.017	0.20	0.059
S-11-B13	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050
S-15-B13	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050

Results are in parts per million (ppm)
TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
TOG = total oil and grease
B = benzene
T = toluene
E = ethylbenzene
X = total xylenes
< = Below indicated laboratory reporting limit
NA = Not Analyzed

Sample Number explanation:
S-12-B9
S = Soil sample
12 = Sample depth in feet below ground surface
B9 = Boring number

RESNA

TABLE 4
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER
ARCO Service Station 601
San Leandro, California
(Page 1 of 3)

Sample Date	TPHg	TPHd	B	T	E	X	TOG
MW-1							
07/17/90	NA	NR	NA	NA	NA	NA	NR
10/15/90	NA	NR	NA	NA	NA	NA	NR
01/09/91	NA	NR	NA	NA	NA	NA	NR
06/10/91	NS	NS	NS	NS	NS	NS	NS
MW-2							
07/17/90	35,000	850*	3,800 (3,200)	2,900 (2,400)	690 (270)	3,600 (2,900)	<5,000
10/15/90	6,400	NR	650	290	110	560	NR
01/09/91	13,000	NR	1500 (1700)	970 (1200)	390 (370)	1500 (2400)	NR
06/10/91	26,000	NR	3,000	2,500	880	4,200	NR
MW-3							
07/17/90	NA	NR	NA	NA	NA	NA	<5,000
10/15/90	NA	NR	NA	NA	NA	NA	NR
01/09/91	NA	NR	NA	NA	NA	NA	NR
06/10/91	NS	NS	NS	NS	NS	NS	NS
MW-4							
06/10/91	NS	NS	NS	NS	NS	NS	NS
MW-5							
06/10/91	100,000	NR	25,000	20,000	2,600	12,000	NR
MW-6							
06/10/91	NS	NS	NS	NS	NS	NS	NS

See Notes on Page 2 of 3

TABLE 4
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER
ARCO Service Station 601
San Leandro, California
(Page 2 of 3)

Sample	TPHg	TPHd	B	T	E	X	TOG
MW-7							
06/10/91	NS	NS	NS	NS	NS	NS	NS
MW-8							
06/10/91	5,800	NR	73	7.2	150	21	<5,000
MCLs	NA	NA	1.0	---	680	1750	NA
DWALs	NA	NA	NA	100	NA	NA	NA

Results in micrograms per liter (ug/L) = parts per billion (ppb).
NA: Not analyzed. NR:Not requested. NS:Not Sampled.
TPHg: Total petroleum hydrocarbons as gasoline by EPA method 8015.
TPHd: Total petroleum hydrocarbons as diesel by EPA method 3550/3510.
B: Benzene, T: Toluene, E: Ethylbenzene, X: Total Xylene isomers.
BTEX: Measured by EPA method 8020/602.
TOG: Total oil and grease measured by Standard method 503A/E.
<: Results reported as less than the detection limit.
*: Applied Analytical Laboratories reports that the chromatograph resembled gasoline not diesel.
( ): BTEX results analyzed as VOCs by EPA method 624.
MCLs: Adopted Maximum Contaminant Levels in Drinking Water, DHS (July 1989)
DWAL: Recommended Drinking Water Action Levels, DHS (January 1990)

TABLE 4
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF GROUNDWATER
ARCO Service Station 601
San Leandro, California
(Page 3 of 3)

Sample	BNAs	VOCs	Cadmium	Chromium	Lead	Zinc
MW-2						
07/17/90	340[a],170[b]	39[c]	<20	50	50	120
MCLs	--	40[c]	10	50	50	5000**

BNAs: Base neutral and acid extractables including polynuclear aromatics
Concentrations are below laboratory reporting limits for respective compounds except as indicated ([a] = naphthalene, [b] = 2-methylnaphthalene).

VOCs: Volatile organics except for BTEX
Concentrations are below laboratory reporting limits for respective compounds except as indicated ([c] = methylene chloride).

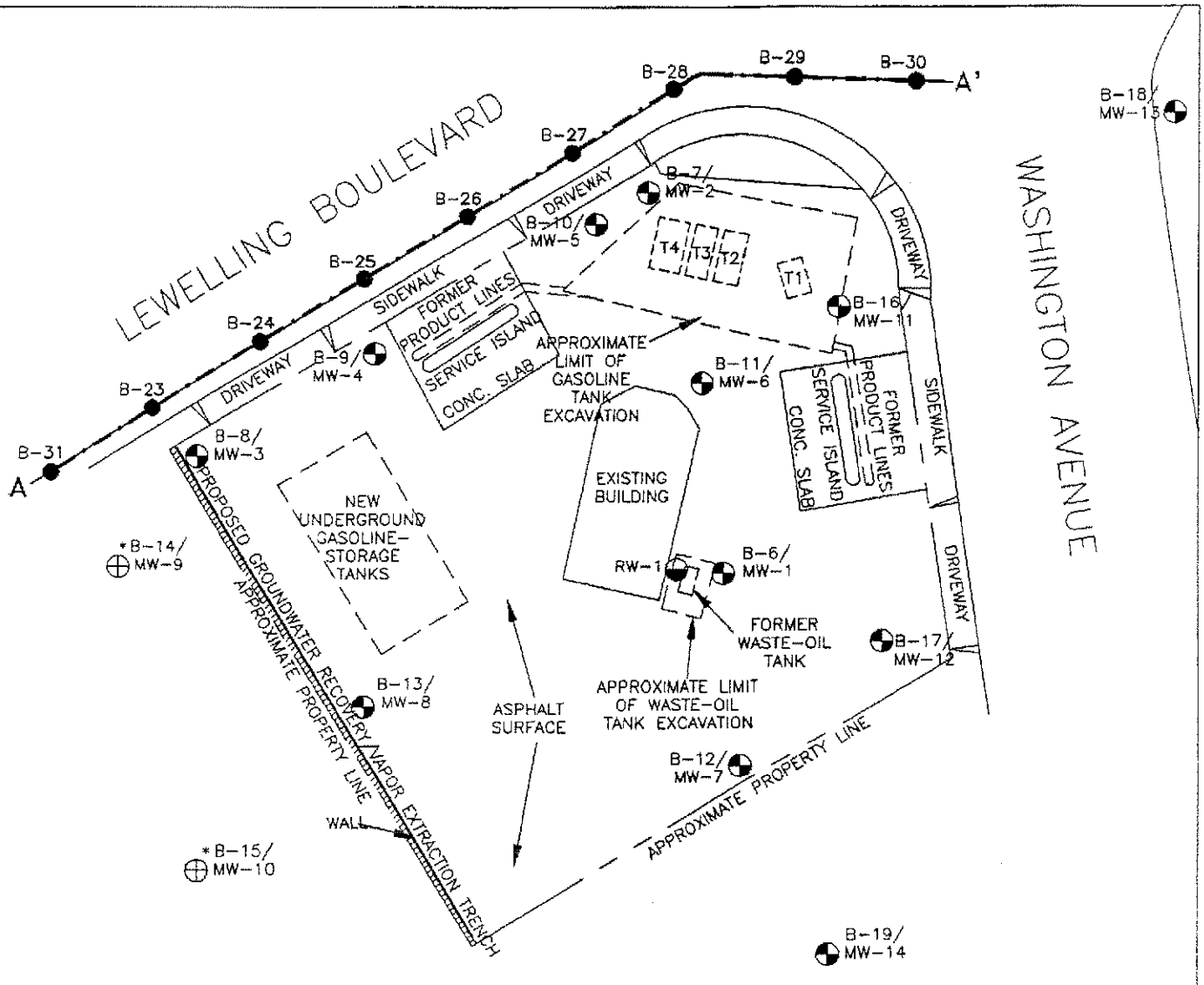
**: Secondary drinking water standard (July1990)

TABLE 5
LABORATORY ANALYSIS OF AIR SAMPLES
ARCO Station 601
San Leandro, California

Sample ID	Well	E/T (Min.)	TPHg	B	T	E	X
AS1	inf MW-6	20	76,000	5,500	1,200	79	130
AS2	inf MW-1	35	24,000	1,200	170	ND	ND
AS3	inf MW-5	55	30,000	2,100	600	ND	ND
AS4	inf MW-4	75	930	67	74	9.7	50
AS5	inf MW-8	95	9,500	100	82	54	40

Concentrations are in mg/mg3

E/T: Vapor extraction time
inf: Influent
ND: Non-detectable
TPHg: Total Petroleum Hydrocarbons as gasoline (analyzed by EPA SW-846 Methods 5030 and 8015)
B: Benzene
T: Toluene
E: Ethylbenzene
X: Total Xylenes
BTEX: Analyzed by EPA SW-846 Methods 5030 and 8020.
AS5: Air Sample Number five (5).



EXPLANATION

— · — = PG&E proposed trench alignment

B-31 ● = Soil boring (RESNA, October 27 and 28, 1992)

*B-15/ MW-10 ⊕ = Proposed boring/groundwater monitoring well (Not yet installed due to difficulty obtaining access)

B-19/ MW-14 ◒ = Groundwater monitoring well (RESNA, 1990, 1991, and 1992)

RW-1 ◒ = Product recovery well (GeoStrategies, January 1990)

T4 = Former underground gasoline storage tank

A — A' = Geologic cross section

N

Approximate Scale

40 20 0 40 80

feet

Source: Surveyed by John Koch, Licensed Land Surveyor.

RESNA
Working to Restore Nature

PROJECT 69034.11

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 2

TABLE 1
RESULTS OF LABORATORY
ANALYSES OF SOIL SAMPLES
ARCO Station 601
San Leandro, California
(Page 1 of 2)

Sample ID	TPHg	TPHd	TOG	B	T	E	X
S-5.5-B23	<1	NA	NA	0.009	0.014	0.007	0.029
S-8.5-B23	15	NA	NA	**2.2**	4.9	1.3	7.4
S-12.5-B23	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-15.5-B23	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-2.5-B24	<2	NA	NA	0.9	0.065	0.092	0.19
S-4.5-B24	5	NA	NA	1.1	0.061	0.44	0.91
S-6.5-B24	900	NA	NA	**17**	40	30	150
S-15.5-B24	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-2.5-B25	7.5	NA	NA	1.6	0.92	0.31	1.4
S-5.5-B25	11	NA	NA	0.82	0.37	0.33	2.1
S-6.5-B25	19	NA	NA	**1.9**	1	0.64	3.5
S-15.5-B25	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-3-B26	20	NA	NA	**2.7**	6	0.7	3.9
S-6.5-B26	16	NA	NA	1.7	3.1	0.44	2.7
S-15.5-B26	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-3-B27	7	NA	NA	1.2	0.034	0.43	0.76
S-6-B27	2.8	NA	NA	0.52	0.008	0.15	0.047
S-10-B27	110	NA	NA	**2.6**	6.4	2.5	14
S-15.5-B27	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-3-B28	2	NA	NA	0.5	0.06	0.24	0.35
S-4.5-B28	2	NA	NA	0.38	0.03	0.24	0.22
S-9-B28	64	NA	NA	1	0.53	1.7	6.3
S-15.5-B28	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-3-B29	<1	NA	NA	0.13	0.006*	<0.005	<0.015
S-6.5-B29	<1	NA	NA	0.0078	0.007*	0.018	0.11
S-9.5-B29	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-15.5-B29	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-3.0-B30	<1	NA	NA	<0.005	0.007*	<0.005	<0.015
S-6-B30	<1	NA	NA	<0.005	0.007*	<0.005	<0.015
S-9.5-B30	<1	NA	NA	<0.005	<0.005	<0.005	<0.015
S-15.5-B30	<1	NA	NA	<0.005	<0.005	<0.005	<0.015

See notes on page 2 of 2.

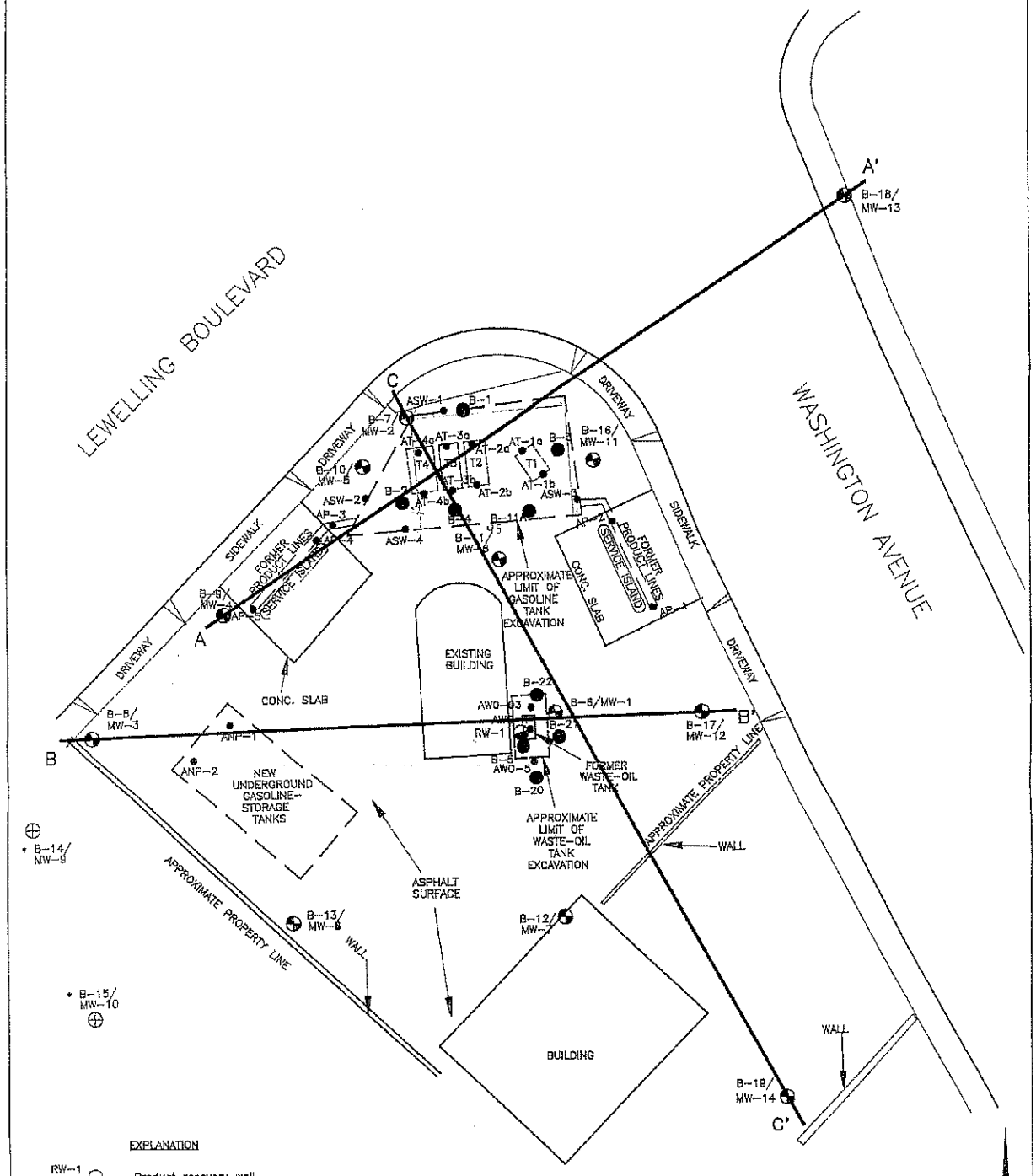
TABLE 1
RESULTS OF LABORATORY
ANALYSES OF SOIL SAMPLES
ARCO Station 601
San Leandro, California
(Page 2 of 2)

Sample ID	TPHg	TPHd	TOG	B	T	E	X
S-3.5-B31	<1	NA	NA	<0.005	0.005	<0.005	<0.015
S-6-B31	<1	NA	NA	<0.005	0.005	<0.005	<0.015
S-7-B31	330	NA	NA	7	28	9	49
S-7.5-B31	120	NA	NA	3.5	13	3.5	20
S-15.5-B31	<1	NA	NA	<0.005	0.005	<0.005	<0.015
Composited Stockpile Sample							
SPA-SPD	<1	NA	NA	<0.0050	<0.0050	0.010	0.012

Results in parts per million (ppm).
Depth in feet below ground surface.
TPHg = Total petroleum hydrocarbons as gasoline using EPA Method 5030/8020/8015
B = benzene, T = toluene, E = ethylbenzene, X = total xylenes (EPA Method 8020/8015)
< = Below indicated laboratory reporting limits.
NA = Not applicable
* = Laboratory Method blank contained concentrations of Toluene ranging from 0.006 ppm to 0.009 ppm.
Sample Identification:

S-10-B12
- Boring number
- Sample depth in feet below ground surface
- Soil sample

SPA-SPD
- Composite sample
- Soil pile



EXPLANATION

RW-1 = Product recovery well (GeoStrategies, Jan. 1990)

B-15/ MW-10 = Proposed boring/groundwater monitoring well

AWO-5 = Soil sample (GeoStrategies, Jan. 1990)

B-19/ MW-14 = Vapor extraction/ground-water monitoring well (RESNA/Applied GeoSystems, June 1990 through November 1992)

B-22 = Soil boring (RESNA/Applied GeoSystems, August 1989 through October 1992)

T4 = Former gasoline underground storage tanks

C — C' = Geologic cross section locations

* = Wells not yet installed due to difficulty obtaining access

Approximate Scale

30 15 0 30 60

feet

Source: Surveyed by Ron Archer, Civil Engineer Inc. modified by John Koch Land Surveyor.

RESNA Working to Restore Nature

PROJECT 69034.10

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 2

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES
ARCO Station 601
San Leandro, California
(Page 1 of 4)

Sample ID	TPHg	TPHd	TOG	B	T	E	X	Pb
Borings August 1989								
S-5-B1	350	NA	NA	8.3	19	5.1	26	NA
S-10-B1	610	NA	NA	10	37	6	48	NA
S-15-B1	<10	NA	NA	0.007	0.011	<0.005	0.012	NA
S-5-B2	12,000	NA	NA	60	450	110	660	NA
S-10-B2	<1	NA	NA	0.015	0.016	<0.005	0.018	NA
S-14-B2	<1	NA	NA	0.015	0.030	<0.005	0.035	NA
S-5-B3	23	NA	NA	0.710	<0.05	0.40	0.034	NA
S-10-B3	180	NA	NA	0.700	3.2	1.4	9.6	NA
S-5-B4	12	NA	NA	0.33	0.37	<0.05	0.75	NA
S-10-B4	65	NA	NA	1.9	2.0	0.7	4.6	NA
S-5-B5	370	NA	4,800	2.1	3.8	0.8	2.8	NA
S-10-B5	2,600	NA	130	10	90	21	130	NA
S-4.5-B6	9.5	<10	190	1.4	0.099	0.25	1.3	NA
S-7.5-B6	420	280	130	6.0	27	8.8	52	NA
S-12-B6	6.5	<10	130	0.062	0.29	0.10	0.60	NA
S-16.5-B6	<1.0	<10	63	<0.0050	0.040	0.011	0.069	NA
S-4.5-B7	9.3	NA	NA	0.71	0.040	0.18	0.68	NA
S-10-B7	15	NA	NA	0.99	0.71	0.50	1.3	NA
S-12.5-B7	<1.0	NA	NA	0.56	0.015	<0.0050	0.011	NA
S-16-B7	<1.0	NA	NA	0.0085	0.0071	<0.0050	0.0094	NA
S-6-B8	620	NA	NA	11	30	16	82	NA
S-9-B8	3.1	NA	NA	0.18	0.25	0.0094	0.43	NA
S-12-B8	1.7	NA	NA	0.034	0.039	0.0098	0.046	NA
S-15.5-B8	<1.0	NA	NA	0.082	0.076	<0.0050	0.079	NA
Borings May 1991								
S-5.5-B9	120	NA	NA	1.6	4.2	1.9	12	NA
S-7-B9	420	NA	NA	5.9	24	8.4	48	NA
S-8.5-B9	170	NA	NA	3.7	14	3.5	20	NA
S-11.5-B9	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-14.5-B9	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-17.5-B9	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-5.5-B10	500	NA	NA	2.8	8.1	7.4	34	NA
S-7.5-B10	2,700	NA	NA	27	150	65	370	NA

See notes on page 4 of 4.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY
ANALYSES OF SOIL SAMPLES
ARCO Station 601
San Leandro, California
(Page 2 of 4)

Sample ID	TPHg	TPHd	TOG	B	T	E	X	Pb
Borings May 1991								
S-10-B10	4.9	NA	NA	0.33	0.33	0.10	0.51	NA
S-16-B10	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-6-B11A	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-5.5-B11	4.4	NA	NA	0.72	0.019	0.022	0.041	NA
S-8.5-B11	100	NA	NA	3.0	9.3	2.7	1.5	NA
S-12-B11	<1.0	NA	NA	0.011	0.019	0.0055	0.025	NA
S-15-B11	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-5.5-B12	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-7.5-B12	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-10.5-B12	23	6.0	<30	<0.0050	0.24	0.50	2.2	NA
S-14.5-B12	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-5.5-B13	8.4	15	<30	0.022	0.017	0.20	0.59	NA
S-11-B13	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-15-B13	<1.0	<1.0	<30	<0.0050	<0.0050	<0.0050	<0.0050	NA
Borings Oct 1992								
S-6-B16	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-8-B16	87	NA	NA	<0.2500	<0.2500	8.4	37	NA
S-15.5-B16	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-5.5-B17	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-9-B17	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	<5.0
S-14-B17	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	0.025	NA
Boring Nov 1992								
S-5-B18	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-7.5-B18	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-11-B18	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-16-B18	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
Composited Soil Samples Nov 1992								
SP A-D	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.0060
Boring Aug 1992								
S-7.5-B19	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA
S-15.5-B19	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA

See notes on page 4 of 4.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY
ANALYSES OF SOIL SAMPLES
ARCO Station 601
San Leandro, California
(Page 3 of 4)

Sample ID	TPHg	TPHd	TOG	B	T	E	X	Pb
Composited Soil Samples Aug 1992								
SP-0807 A-D	<1.0	NA	NA	<0.0050	<0.0050	<0.0050	<0.0050	NA

Sample ID	TPHg	TPHd	TOG	B	T	E	X	VOCs	Cd	Cr	Pb	Zn	Ni	BNAs
Borings Oct 1992														
S-4.5-B20	<1.0	<1.0	<50	0.074 (<0.100)	<0.0050 (<0.100)	<0.0050 (<0.100)	0.034 (<0.100)	ND	<0.50	49	5.0	70	53	ND
S-7.5-B20	30	300	430	0.40 (0.480)	<0.1000 (<0.100)	0.88 (3.000)	0.96 (2.300)	ND	<0.50	44	5.4	59	43	7,300[a] 4,900[b] 0.180[c]
S-17-B20	<1.0	<1.0	<50	<0.0050 (<0.100)	<0.0050 (<0.100)	<0.0050 (<0.100)	<0.0050 (<0.100)	ND	<0.50	50	<5.0	64	60	ND
S-4.5-B21	6.1	2.2	<50	0.42 (0.270)	0.0070 (<0.100)	0.10 (<0.100)	0.17 (0.130)	ND	<0.50	56	<5.0	67	56	ND
S-7.5-B21	460	2,000	1,200	14 (2.100)	2.4 (<1.000)	9.6 (23.000)	14 (7.700)	ND	<0.50	42	7.9	52	46	3,600[a] 3,300[b]
S-16.5-B21	2.8	<1.0	<50	0.013 (<0.100)	<0.0050 (<0.100)	0.056 (<0.100)	0.18 (<0.100)	ND	<0.50	50	5.4	71	67	ND
S-4.5-B22	460	300	93	29 (57.000)	11 18.000)	10 (28.000)	28 (77.000)	ND	<0.50	28	<5.0	80	48	ND
S-7.5-B22	760	390	82	3.6 (1.300)	3.2 (<0.500)	12 (0.500)	43 (23.000)	ND	1.4	15	240	2,600	52	5,700[a] 4,100[b]
S-16.5-B22	<1.0	<1.0	<50	0.014 (<0.100)	0.027 (<0.100)	0.014 (<0.100)	0.070 (0.160)	ND	<0.50	56	6.3	80	70	ND

Metals	Cd	Cr	Pb	Zn	Ni
TTLC Value	100	500	1,000	5,000	2,000

Sample ID	TPHg	TPHd	TOG	B	T	E	X	Pb
Composited Stockpile Samples Oct 1992								
SPA-SPD	33	NA	NA	0.28	0.28	0.50	1.6	0.0060

See notes on page 4 of 4.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY
ANALYSES OF SOIL SAMPLES
ARCO Station 601
San Leandro, California
(Page 4 of 4)

Results in parts per million (ppm).
TPHg = Total petroleum hydrocarbons as gasoline using EPA Method 5030/8020/8015
TEPH = Total extractable petroleum hydrocarbons using EPA Method 3350/8015.
TOG = Total oil and grease using 5520 E&F (gravimetric).
B = benzene, T = toluene, E = ethylbenzene, X = total xylenes (EPA Method 8020/8015)
VOCs = Volatile organic compounds using EPA Method 8240 (except BTEX).
( ) = BTEX using EPA Method 8240.
BNAs = Semi-volatile organics using EPA 8270 (ᶜ = 2-Methylnaphthalene, ᵇ = Naphthalene, and ᵖ = Phenanthrene).
Cd = Cadmium Cr = Chromium Pb = Lead Zn = Zinc Ni = Nickel (EPA Method 6010)
TTLC Values = Total Threshold Limit Concentration (California Administrative Code, Title 22)
< = Below indicated laboratory reporting limits.
NA = Not analyzed
ND = Not detected
Sample Identification:

S-10-B12
- B12 — Boring number
- 10 — Sample depth in feet below ground surface
- S — Soil sample

SPA-SPD
- SPD — Composite sample
- S — Soil stockpile

TABLE 3
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
ARCO Station 601
San Leandro, California
(Page 1 of 3)

Sample	TPHg	TPHd	B	T	E	X	TOG	BNAs	VOCs	Cd	Cr	Pb	Ni	Zn
MW-1														
07/18/90						Not sampled--sheen								
10/15/90						Not sampled--floating product								
01/09/91						Not sampled--floating product								
04/16/91						Not sampled--sheen								
06/10/91						Not sampled--sheen								
10/10/91						Not sampled--floating product								
03/23/92						Not sampled--sheen								
06/08/92						Not sampled--floating product								
09/15/92						Not sampled--floating product								
11/16/92						Not sampled--floating product								
MW-2														
07/18/90	35,000	850*	3,800 (3,200)	2,900 (2,400)	690 (270)	3,600 (2,900)	<5,000	340[a] 170[b]	39[c]	<20	50	50	NA	120
10/15/90	6,400	NA	650	290	110	560	NA	NA	18[c]	NA	NA	NA	NA	NA
01/09/91	13,000	NA	1500 (1700)	970 (1200)	390 (370)	1500 (2400)	NA	NA	6.5[d]	NA	NA	NA	NA	NA
04/16/91	54,000	NA	5,200	9,000	1,500	7,700	NA	NA	NA	NA	NA	NA	NA	NA
06/10/91	26,000	NA	3,000	2,500	880	4,200	NA	NA	NA	NA	NA	NA	NA	NA
10/10/91	10,000	NA	1,600	910	280	1,400	<5,000	NA	1.7[d]	<10	<10	11	72	91
03/23/92	33,000	NA	4,100	5,000	1,100	5,300	NA	NA	NA	NA	NA	NA	NA	NA
06/08/92	18,000	NA	1,200	980	330	1,800	NA	NA	NA	NA	NA	NA	NA	NA
09/15/92	13,000	NA	430	500	340	1,800	NA	NA	NA	NA	NA	NA	NA	NA
11/16/92	13,000	NA	900	940	300	1,400	NA	NA	NA	NA	NA	NA	NA	NA
MW-3														
07/18/90	NA	NA	NA	NA	NA	NA	<5,000	NA	NA	NA	NA	NA	NA	NA
10/15/90						Not sampled--floating product								
01/09/91						Not sampled--floating product								
04/16/91						Not sampled--sheen								
06/10/91						Not sampled--sheen								
10/10/91						Not sampled--floating product								
03/23/92						Not sampled--sheen								
06/08/92						Not sampled--floating product								
09/15/92						Not sampled--floating product								
11/16/92						Not sampled--sheen								
MW-4														
06/10/91						Not sampled--dry								
10/10/91	15,000	NA	5,300	1,500	470	1,300	NA	NA	NA	NA	NA	NA	NA	NA
03/23/92	24,000	NA	5,600	4,000	580	3,100	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on page 2 of 3.

TABLE 3
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
ARCO Station 601
San Leandro, California
(Page 2 of 3)

Sample	TPHg	TPHd	B	T	E	X	TOG	BNAs	VOCs	Cd	Cr	Pb	Ni	Zn
MW-4														
06/08/92	5,700	NA	2,000	170	92	270	NA	NA	NA	NA	NA	NA	NA	NA
09/15/92	Not sampled--dry													
11/16/92	Not sampled--dry													
MW-5														
06/10/91	100,000	NA	25,000	20,000	2,600	12,000	NA	NA	NA	NA	NA	NA	NA	NA
10/10/91	Not sampled--sheen													
03/23/92	150,000	NA	24,000	31,000	4,400	23,000	NA	NA	NA	NA	NA	28	NA	NA
06/08/92	120,000	NA	17,000	13,000	2,400	11,000	NA	NA	NA	NA	NA	NA	NA	NA
09/15/92	Not sampled--floating product													
11/16/92	110,000	NA	16,000	16,000	3,200	18,000	NA	NA	NA	NA	NA	NA	NA	NA
MW-6														
06/10/91	Not sampled--dry													
10/10/91	Not sampled--dry													
03/23/92	75,000	NA	19,000	10,000	1,600	8,600	NA	NA	NA	NA	NA	NA	NA	NA
06/08/93	Not sampled--dry													
09/15/92	Not sampled--dry													
11/16/92	Not sampled--dry													
MW-7														
06/10/91	Not sampled--dry													
10/10/91	Not sampled--dry													
03/23/92	270	NA	10	0.5	3.0	13	NA	NA	NA	NA	NA	NA	NA	NA
06/08/92	Not sampled--residual water													
09/15/92	Not sampled--dry													
11/16/92	Not sampled--dry													
MW-8														
06/10/91	5,800	NA	73	7.2	150	21	<5,000	NA	NA	NA	NA	NA	NA	NA
10/10/91	2,800	NA	31	6.1	4.5	3.9	NA	NA	NA	NA	NA	NA	NA	NA
03/23/92	8,000	NA	18 (23**)	<5.0** (<5.0**)	320 (450**)	42 (23**)	NA	NA	ND	NA	NA	NA	NA	NA
06/08/92	4,000	NA	<10**	<10**	110	<10**	NA	NA	NA	NA	NA	NA	NA	NA
09/15/92	4,200	460***	6.4	<5*	120	<5*	NA	6*	ND	ND	59	18	78	128
11/16/92	2,600	1,100***	4.0	<2.5**	21	5.2	1,200	32*	ND	7	42	20	69	123
MW-11														
11/16/92	7,000	NA	21	<10**	18	230	NA	NA	NA	NA	NA	NA	NA	NA
MW-12														
11/16/92	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on page 2 of 3.

TABLE 3
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
ARCO Station 601
San Leandro, California
(Page 3 of 3)

Sample	TPHg	TPHd	B	T	E	X	TOG	BNAs	VOCs	Cd	Cr	Pb	Ni	Zn
MW-13														
11/16/92	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
MW-14														
09/15/92	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
11/16/92	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA
DWAL:	—	—	—	100	—	—	—	—	—	—	—	—	—	—
MCLs:	—	—	1	NA	680	1,750	—	—	—	10	50	50	—	5,000

Results in micrograms per liter (ug/L) = parts per billion (ppb).

NA: Not analyzed.

<: Results reported as less than the detection limit.

*: Applied analytical laboratories reports that the chromatograph resembled gasoline not diesel.

**: Laboratory reported raised maximum reporting limit due to high analyte concentration requiring sample dilution.

***: Sample contains a lower boiling point hydrocarbon mixture quantitated as diesel. The chromatogram does not match the typical diesel fingerprint, possibly reflecting weathered gasoline.

( ): BTEX results analyzed as VOCs.

TPHg: Total petroleum hydrocarbons as gasoline by EPA method 8015.

TPHd: Total petroleum hydrocarbons as diesel by EPA method 3550/3510.

B: Benzene, T: Toluene, E: Ethylbenzene, X: Total Xylene isomers.

BTEX: Measured by EPA method 8020/602.

TOG: Total oil and grease measured by Standard Method 503A/E or EPA Method 418.1.

BNAs: Base neutral and acid extractables including polynuclear aromatics concentrations are below laboratory reporting limits for respective compounds except as indicated. ([a] = naphthalene, [b] = 2-methylnaphthalene, [c] = Bis (2-ethylhexyl) Phthalate)

VOCs: volatile organics except for BTEX concentrations are below laboratory reporting limits for respective compounds except as indicated. ([c] = methylene chloride, [d] = 1,2-Dichloroethane)

Cd: Cadmium (By EPA Method 6010)

Cr: Chromium (By EPA Method 6010)

Pb: Lead (By EPA Method 7421)

Ni: Nickel (By EPA Method 6010)

Zn: Zinc (By EPA Method 6010)

ND: Below detection limits. Detection limits for VOCs varied according to analyte.

DWAL: California Department of Health Services recommended drinking water action levels (October 1990).

MCLs: Maximum Contaminant Level in ppb (October 1990).

TABLE 1

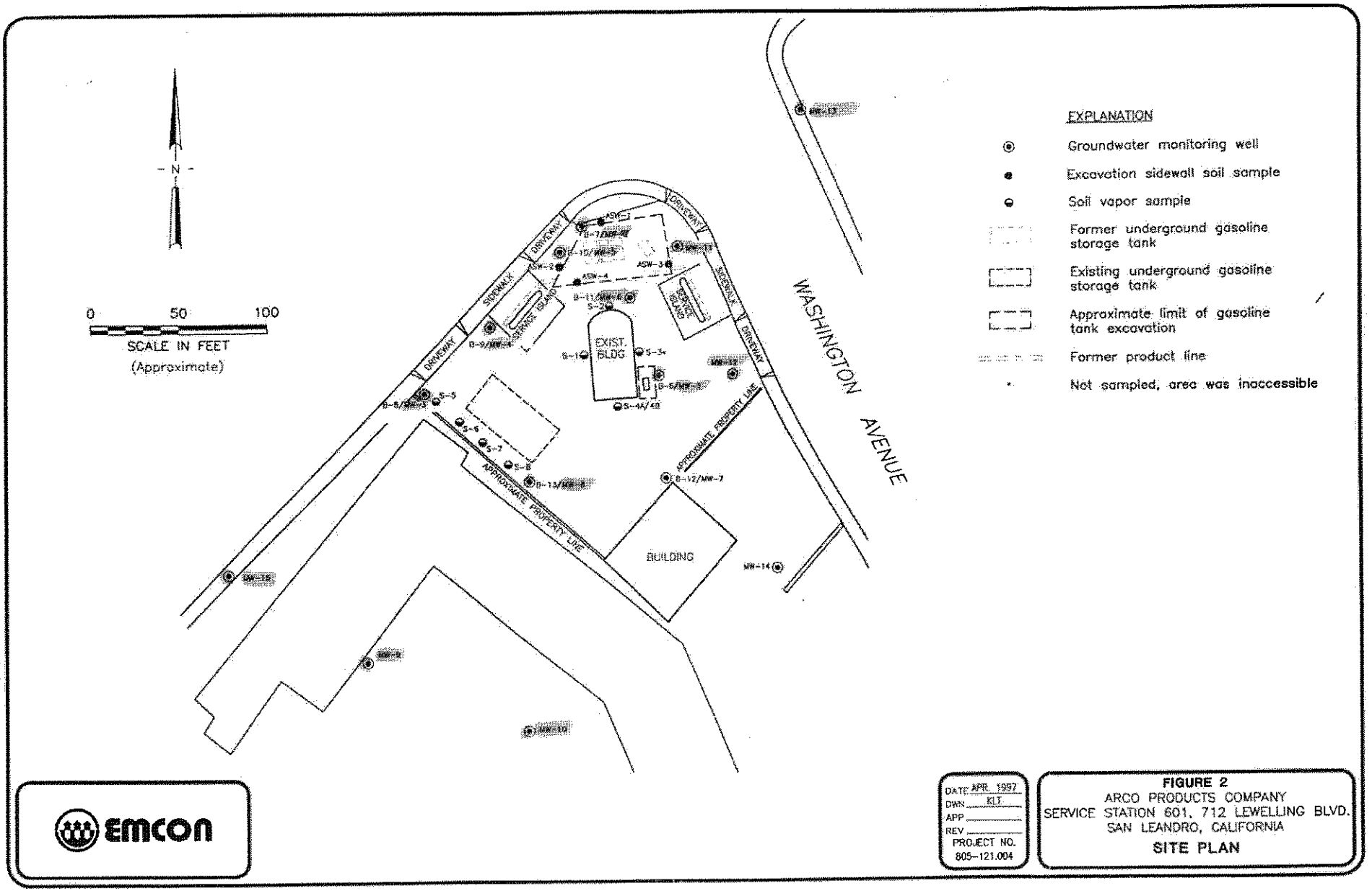
GROUNDWATER ANALYTICAL DATA

ARCO Service Station No. 601
712 Lewelling Boulevard
San Leandro, California

Sample ID	Date Sampled	Depth to Groundwater in Boring (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as Gasoline (µg/L)	MTBE [a] (µg/L)
HB-2	05/30/02	7.5	570	960	1,600	7,300	28,000	<50
HB-3	05/30/02	7.5	1,200	740	2,100	11,000	38,000	<50
HB-4	05/30/02	7.5	62	<5.0	7.8	<5.0	630	160

[a] MTBE by EPA Method 8260B

TPH = Total petroleum hydrocarbons
µg/L = micrograms per liter
MTBE = Methyl tertiary butyl ether



EMCON

DATE APR 1997
DWN KLT
APP
REV
PROJECT NO.
805-121.004

FIGURE 2
ARCO PRODUCTS COMPANY
SERVICE STATION 601, 712 LEWELLING BLVD.
SAN LEANDRO, CALIFORNIA
SITE PLAN

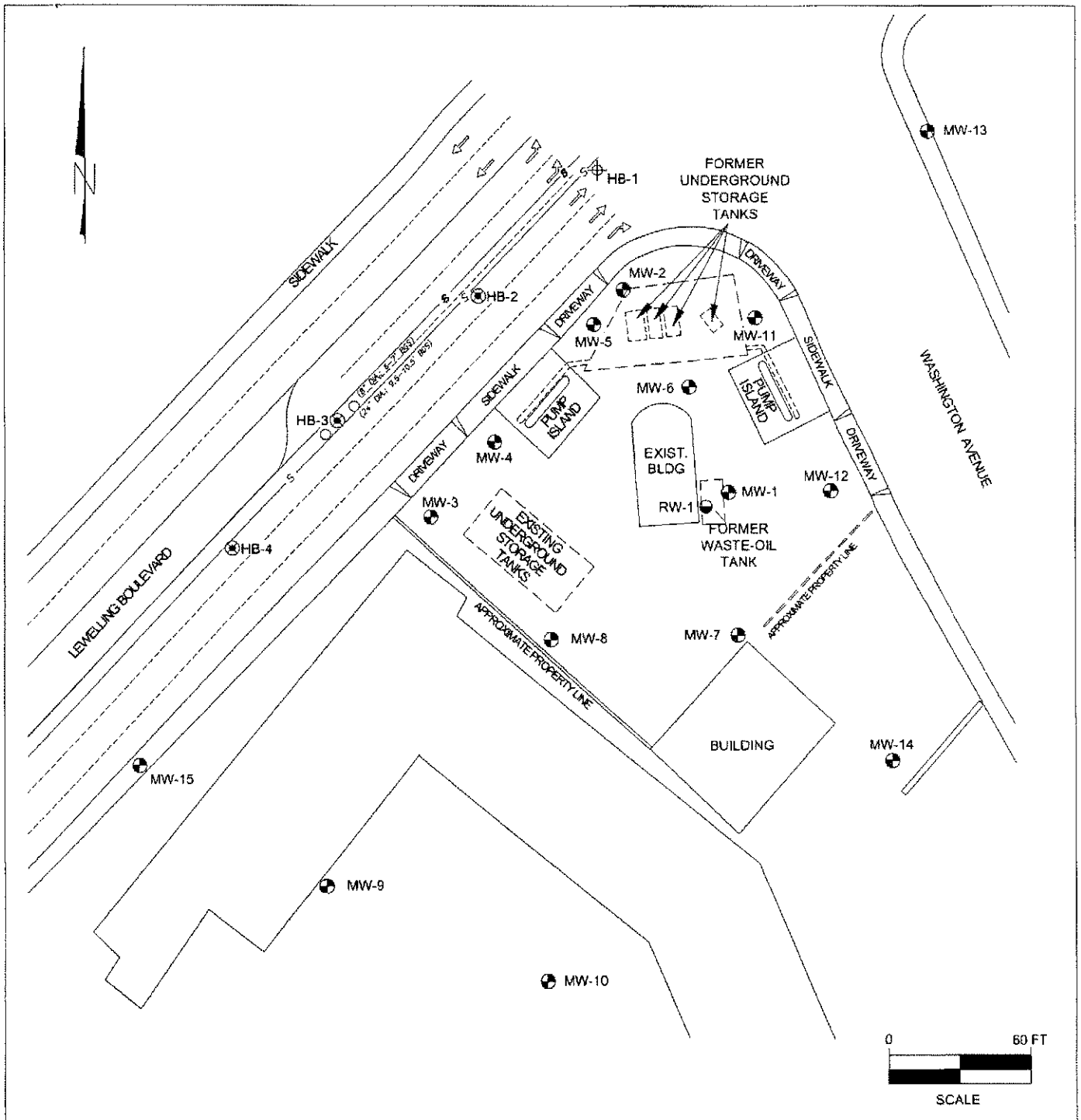
G:\SANJOSE-CAD\DRAWINGS\ 601\805-121\SITEPLAN.dwg Xrefs: <NONE>
Scale: 1 = 50.00 DimScale: 1 = 50.00 Date: 4/16/97 Time: 1:39 PM Operator: KLT

Table 4

Summary of Analytical Soil-Vapor Results
ARCO Service Station 601

Sample	Depth (feet BGS)	Benzene (mg/m^3)	Toluene (mg/m^3)	Ethylbenzene (mg/m^3)	Total Xylenes (mg/m^3)
S-B*	ambient air	<0.5	<0.5	<0.5	<1
S-1	1 - 1.5	<0.5	<0.5	<0.5	<1
S-2	1 - 1.5	<0.5	<0.5	<0.5	<1
S-4A	1 - 1.5	<0.5	<0.5	<0.5	<1
S-4B	4	[redacted] 0.5	<0.5	<0.5	<1
S-5	1 - 1.5	<0.5	<0.5	<0.5	<1
S-6	1 - 1.5	<0.5	<0.5	<0.5	<1
S-7	1 - 1.5	<0.5	<0.5	<0.5	<1
S-8	1 - 1.5	<0.5	<0.5	<0.5	<1

BGS: below ground surface
mg/m^3: milligrams per cubic meter of air
* background ambient air sample
<: Concentrations were detected below the method reporting limit (MRL), therefore half of the MRL was used in RBCA calculations.



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

LEGEND:

MW-1	MONITORING WELL LOCATION
RW-1	SOIL VAPOR EXTRACTION WELL LOCATION
HB-1	PROPOSED HAND AUGER BORING LOCATION
HB-2	HAND AUGER BORING LOCATION

FIGURE 2

SITE MAP

ARCO FACILITY NO. 601
712 LEWELLING BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. D000-303	DRAWN BY M.L. 7/12/02
FILE NO. 601-1	PREPARED BY W.S.
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.

TABLE 1

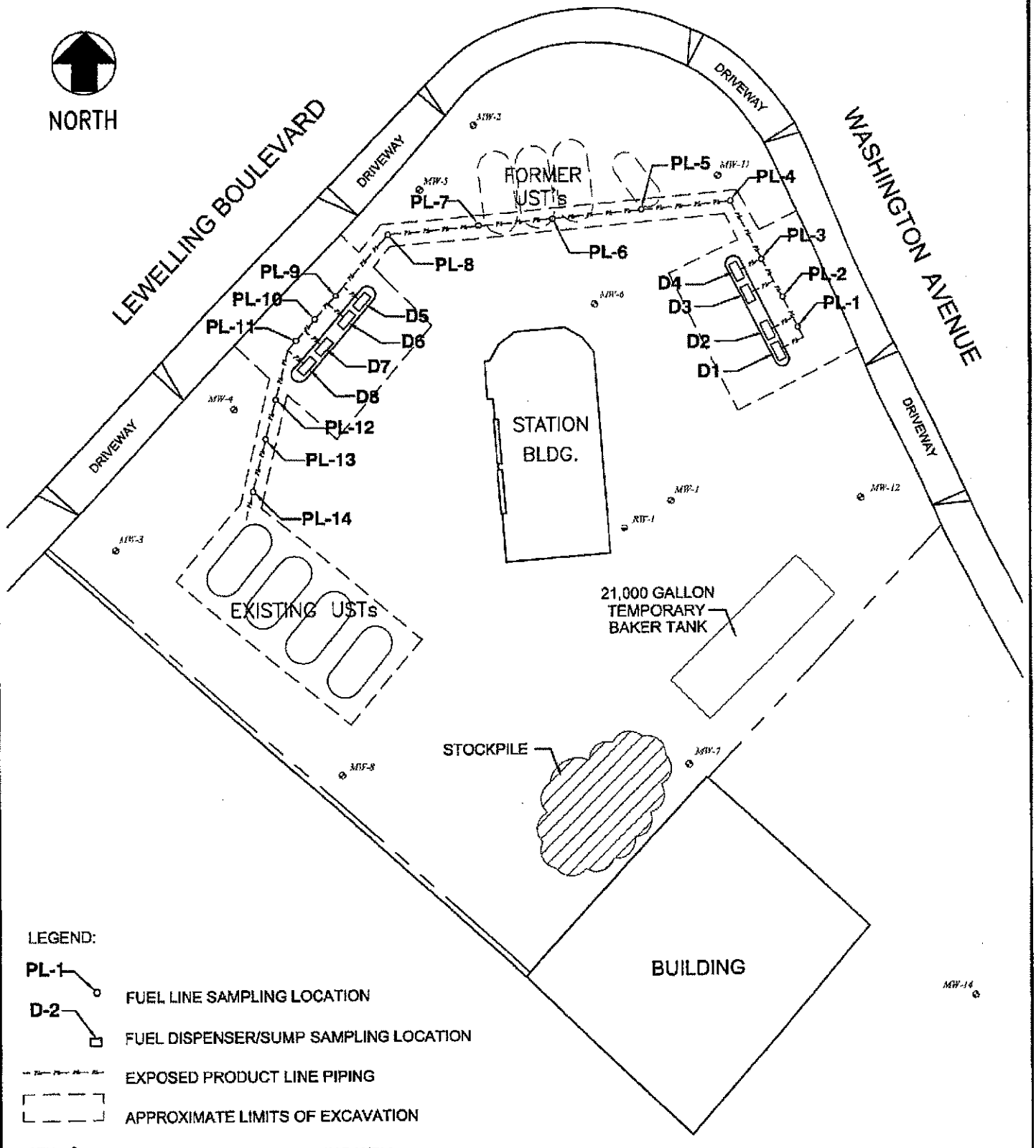
GROUNDWATER ANALYTICAL DATA

ARCO Service Station No. 601
712 Lewelling Boulevard
San Leandro, California

Sample ID	Date Sampled	Depth to Groundwater in Boring (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as Gasoline (µg/L)	MTBE [a] (µg/L)
HB-2	05/30/02	7.5	570	960	1,600	7,300	28,000	<50
HB-3	05/30/02	7.5	1,200	740	2,100	11,000	38,000	<50
HB-4	05/30/02	7.5	62	<5.0	7.8	<5.0	630	160

[a] MTBE by EPA Method 8260B

TPH = Total petroleum hydrocarbons
µg/L = micrograms per liter
MTBE = Methyl tertiary butyl ether



URS	Project No. 38486284 Arco Service Station 0601 712 Lewelling Boulevard San Leandro, California	SOIL SAMPLE LOCATION MAP	FIGURE 2

ARCO Service Station 601
712 Lewelling Boulevard,
San Leandro, California

Table 1
LINE/DISPENSER SOIL SAMPLE RESULTS

Soil Sample ID	Sample Depth (feet) [a]	Date Sampled	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	MTBE (ppm)
D-1	4.0	06/18/03	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017
D-2	4.0	06/18/03	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017
D-3	4.0	06/18/03	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017	ND<0.0017
D-4 [a]	4.0	06/18/03	ND<0.0016	**0.0091**	ND<0.0016	**0.0088**	ND<0.0016
D-5 [a]	4.0	06/18/03	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015
D-6 [a]	4.0	06/18/03	**7**	**230**	**55**	**350**	ND <2.5
D-7	5.0	06/19/03	ND <0.0016	ND <0.0016	ND <0.0016	ND <0.0016	ND <0.0016
D-8	4.0	06/19/03	ND <0.0016	ND <0.0016	ND <0.0016	ND <0.0016	ND <0.0016
PL-1	4.0	06/18/03	ND <0.0014	ND <0.0014	ND <0.0014	ND <0.0014	ND <0.0014
PL-2 [a]	4.0	06/18/03	**1.2**	**14**	**1.5**	**9.7**	ND <0.25
PL-3	4.0	06/18/03	ND <0.0017	**0.0026**	ND <0.0017	**0.0036**	ND <0.0017
PL-4	4.0	06/18/03	ND <0.0016	ND <0.0016	ND <0.0016	ND <0.0016	ND <0.0016
PL-7 [a]	5.0	06/18/03	ND <0.05	ND <0.05	ND <0.05	**0.14**	ND <0.025
PL-8 [a]	6.0	06/19/03	ND <0.05	ND <0.05	**0.27**	**0.11**	ND <0.025
PL-9	4.0	06/18/03	ND <0.0017	ND <0.0017	ND <0.0017	ND <0.0017	ND <0.0017
PL-10	5.0	06/19/03	ND <0.0019	ND <0.0019	ND <0.0019	ND <0.0019	ND <0.0019
PL-11	4.0	06/19/03	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015
PL-12	5.0	06/19/03	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015
PL-13 [a]	4.0	06/19/03	ND <0.5	ND <0.5	**5.6**	**30**	ND <0.25
PL-14	6.0	06/19/03	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015	ND <0.0015
Over Excavation Sample.							
OE PL-2 [a]	8.0	06/19/03	0.1500	0.1800	0.0063	0.6400	0.0045

Notes:

a. The Lab analytical results also reported other chemical constituents in small quantities such as 1,2,3-Trimethylbenzene, n-Butylbenzene, Naphthalene, n-Propylbenzene, and p-Isopropyltoluene. A complete list of all chemicals can be found in the certified analytical results presented in Appendix B of this report.

Table 2
STOCKPILE SOIL SAMPLE RESULTS

Soil Sample ID	Date Sampled	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Xylenes (ppm)	MTBE (ppm)	Lead (ppm)
601 [b]	06/24/03	**0.0026**	ND <0.002	**0.007**	**0.026**	ND <0.002	**17**

Notes:

b. The Lab analytical results also reported other chemical constituents in small quantities such as Trimethylbenzene, Butylbenzene, Naphthalene, and n-Propylbenzene. A complete list of all chemicals can be found in the certified analytical results presented in Appendix B of this report.

BTEX	= Benzene, toluene, ethylbenzene, total xylenes by EPA Method 8260B.
MTBE	= Methyl tert-Butyl Ether by EPA Method 8260B.
Lead	= Total lead by EPA Method 6010B.
ppm	= Parts per million.
ND <	= Less than stated laboratory detection limit.

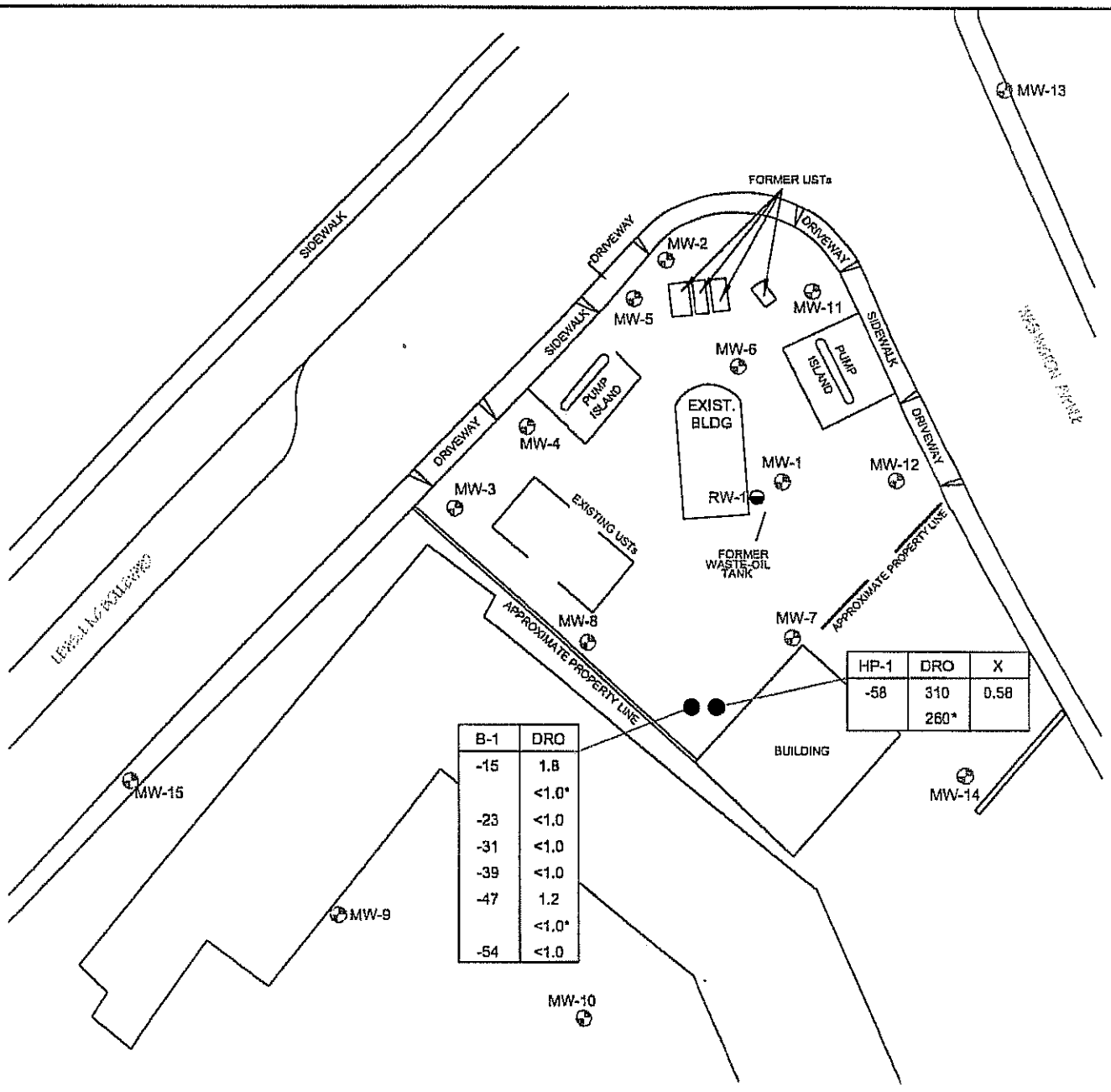
ARCO Service Station 601
712 Lewelling Boulevard
San Leandro, California

Table 3

GROUNDWATER SAMPLE RESULTS

Sample ID	Date Sampled	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	MTBE (ppb)	pH
TW-1	06/17/03	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**290**	**6.96**

BTEX	= Benzene, toluene, ethylbenzene, total xylenes by EPA Method 8260B.
MTBE	= Methyl tert-Butyl Ether by EPA Method 8260B.
pH	= pH by EPA Method 150.1
ppm	= Parts per million.
ND <	= Less than stated laboratory detection limit.



LEGEND

- GROUND-WATER MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- APPROXOMATE SOIL BORING/HYDROPUNCH LOCATION
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS

Soil Boring B-1 Diesel Range Organics (DRO) Concentrations in mg/Kg

Hydropunch Boring HP-1 DRO and Xylenes Concentrations in ug/L

* Revised Concentrations Following Silica-Gel Extraction Procedure

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

N

0 60 120

SCALE (ft)

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

Project No.: 06-08-605 Date: 01/18/07

Station #601
712 Lewelling Boulevard
San Leandro, California

Site Plan with Soil/
Hydropunch Boring Locations
30 November 2006

Drawing
1

Table 1
Summary of Sanitary Sewer Sampling Data
ARCO Service Station No. 0601
712 Lewelling Blvd.,
San Leandro,CA

Date	Sample ID	Benzene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Xylenes (ug/l)
		8260	**8260**	**8260**	**8260**
11/30/05	Sewer 1	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Notes:

ug/l = micrograms per liter
Sewer 1 = Sanitary sewer lateral
Sewer = Sanitary sewer lateral
ND< = Non detected at or above laboratory reporting limits.
ND = Non-detect

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	07-17-90	22.98	9.03	13.95	Emulsion	NR	NR	07-18-90	Not sampled: well contained floating product								
MW-1	08-07-90	22.98	9.19	13.79	ND	NR	NR										
MW-1	10-15-90	22.98	^9.85	^13.13	0.25	NR	NR	10-15-90	Not sampled: well contained floating product								
MW-1	11-20-90	22.98	^9.79	^13.19	0.46	NR	NR										
MW-1	12-21-90	22.98	9.18	13.80	Sheen	NR	NR										
MW-1	01-09-91	22.98	^9.47	^13.51	0.02	NR	NR	01-09-91	Not sampled: well contained floating product								
MW-1	02-27-91	22.98	^9.31	^13.67	0.03	NR	NR										
MW-1	03-20-91	22.98	^^7.81	^^15.17	Sheen	NR	NR										
MW-1	04-16-91	22.98	6.12	16.86	Sheen	NR	NR	04-16-91	Not sampled: well contained floating product								
MW-1	05-16-91	22.98	^8.60	^13.66	0.01	NR	NR										
MW-1	06-10-91	22.26	9.00	13.26	Sheen	NR	NR	06-10-91	Not sampled: well contained floating product								
MW-1	07-18-91	22.26	^9.33	^12.93	0.01	NR	NR										
MW-1	08-22-91	22.26	^9.49	^12.77	0.04	NR	NR										
MW-1	09-18-91	22.26	^9.63	^12.63	0.04	NR	NR										
MW-1	10-10-91	22.26	^9.73	^12.53	0.04	NR	NR	10-10-91	Not sampled: well contained floating product								
MW-1	11-21-91	22.26	^8.40	^13.86	0.01	NR	NR										
MW-1	12-24-91	22.26	^9.68	^13.30	0.13	NR	NR										
MW-1	01-19-92	22.26	8.84	13.42	ND	NR	NR										
MW-1	02-20-92	22.26	7.22	15.04	ND	NR	NR										
MW-1	03-23-92	22.26	7.40	14.86	Sheen	NR	NR	03-23-92	Not sampled: well contained floating product								
MW-1	04-21-92	22.26	8.30	13.96	ND	NR	NR										
MW-1	05-15-92	22.26	^8.77	^13.49	0.01	NR	NR										
MW-1	06-08-92	22.26	^9.08	^13.18	0.02	NR	NR	06-08-92	Not sampled: well contained floating product								
MW-1	07-15-92	22.26	9.40	12.86	ND	NR	NR										
MW-1	08-25-92	22.26	8.21	14.05	ND	NR	NR										
MW-1	09-15-92	22.26	^8.18	^14.08	0.02	NR	NR	09-15-92	Not sampled: well contained floating product								
MW-1	10-28-92	22.26	8.62	13.64	ND	NR	NR										
MW-1	11-16-92	22.26	^9.09	^13.17	0.02	NR	NR	11-16-92	Not sampled: well contained floating product								
MW-1	12-16-92	22.26	^8.10	^14.16	0.02	NR	NR										
MW-1	01-15-93	22.26	6.53	15.73	ND	NR	NR										
MW-1	02-16-93	22.26	^7.03	^15.23	0.01	NR	NR	02-16-93	Not sampled: well contained floating product								
MW-1	03-30-93	22.26	6.86	15.40	ND	NR	NR										

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Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	04-28-93	22.26	^6.77	^15.49	0.01	NR	NR										
MW-1	05-13-93	22.26	^8.08	^14.18	0.01	NR	NR	05-13-93	Not sampled: well contained floating product								
MW-1	06-17-93	22.26	^8.48	^13.78	0.01	NR	NR										
MW-1	07-28-93	22.26	^8.80	^13.46	0.01	NR	NR										
MW-1	08-17-93	22.26	^8.81	^13.45	0.01	NR	NR	08-17-93	Not sampled: well contained floating product								
MW-1	11-08-93	22.26	^9.22	^13.04	0.01	NR	NR	11-08-93	Not sampled: well contained floating product								
MW-1	02-14-94	22.26	7.72	14.54	Sheen	NR	NR	02-14-94	Not sampled: well contained floating product								
MW-1	05-05-94	22.26	8.47	13.79	Sheen	NR	NR	05-05-94	Not sampled: well contained floating product								
MW-1	08-04-94	22.26	8.72	13.54	Sheen	SW	0.004	08-04-94	Not sampled: well contained floating product								
MW-1	11-20-94	22.26	7.81	14.45	Sheen	SW	0.002	11-20-94	Not sampled: well contained floating product								
MW-1	03-17-95	22.26	6.57	15.69	ND	WSW	0.006	03-17-95	120000	5300	370	1500	13000	--	--	48000	6200^
MW-1	06-01-95	22.26	7.87	14.39	ND	SW	0.003	06-01-95	250000	7100	950	3500	21000	--	--	38000	190000^
MW-1	08-31-95	22.26	8.12	** 14.15	0.01	SSW	0.005	08-31-95	Not sampled: well contained floating product								
MW-1	11-27-95	22.26	8.42	13.84	Sheen	SSW	0.004	11-27-95	310000	4600	770	5700	21000	--	--	--	--
MW-1	02-22-96	22.26	6.01	** 16.26	0.01	NW	0.007	03-14-96	100000	6200	320	2500	12000	<1000*	--	--	--
MW-1	05-20-96	22.26	7.03	15.23	ND	SW	0.007	05-21-96	340000	6600	240	4500	22000	<1000*	--	150	<2500^
MW-1	08-26-96	22.26	8.16	14.10	ND	SSW	0.004	08-26-96	210000	7900	320	3400	15000	<1000*	--	--	--
MW-1	11-20-96	22.26	7.84	14.42	ND	SSE	0.004	11-20-96	62000	5900	77	2000	7700	<300*	--	--	--

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Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	07-17-90	22.06	7.86	14.20	ND	NR	NR	07-18-90	35000	3800	2900	690	3600	--	--	<5000	850^
MW-2	08-07-90	22.06	8.03	14.03	ND	NR	NR										
MW-2	10-15-90	22.06	8.61	13.45	ND	NR	NR	10-15-90	6400	650	290	110	560	--	--	--	--
MW-2	11-20-90	22.06	8.76	13.30	ND	NR	NR										
MW-2	12-21-90	22.06	8.28	13.78	ND	NR	NR										
MW-2	01-09-91	22.06	8.43	13.63	ND	NR	NR	01-09-91	13000	1500	970	390	1500	--	--	--	--
MW-2	02-27-91	22.06	8.28	13.78	ND	NR	NR										
MW-2	03-20-91	22.06	^^7.26	^^14.80	ND	NR	NR										
MW-2	04-16-91	22.06	6.97	15.09	ND	NR	NR	04-16-91	54000	5200	9000	1500	7700	--	--	--	--
MW-2	05-16-91	22.06	7.52	14.54	ND	NR	NR										
MW-2	06-10-91	21.33	7.91	13.42	ND	NR	NR	06-10-91	26000	3000	2500	880	4200	--	--	--	--
MW-2	07-18-91	21.33	8.30	13.03	ND	NR	NR										
MW-2	08-22-91	21.33	8.50	12.83	ND	NR	NR										
MW-2	09-18-91	21.33	8.63	12.70	ND	NR	NR										
MW-2	10-10-91	21.33	8.82	12.51	ND	NR	NR	10-10-91	10000	1600	910	280	1400	--	--	<5000	--
MW-2	11-21-91	21.33	8.46	12.87	ND	NR	NR										
MW-2	12-24-91	21.33	8.72	12.61	ND	NR	NR										
MW-2	01-19-92	21.33	7.96	13.37	ND	NR	NR										
MW-2	02-20-92	21.33	6.55	14.78	ND	NR	NR										
MW-2	03-23-92	21.33	6.86	14.47	ND	NR	NR	03-23-92	33000	4100	5000	1100	5300	--	--	--	--
MW-2	04-21-92	21.33	7.15	14.18	ND	NR	NR										
MW-2	05-15-92	21.33	7.61	13.72	ND	NR	NR										
MW-2	06-08-92	21.33	7.95	13.38	ND	NR	NR	06-08-92	18000	1200	980	330	1800	--	--	--	--
MW-2	07-15-92	21.33	8.45	12.88	ND	NR	NR										
MW-2	08-25-92	21.33	8.53	12.80	ND	NR	NR										
MW-2	09-15-92	21.33	8.71	12.62	ND	NR	NR	09-15-92	13000	430	500	340	1800	--	--	--	--
MW-2	10-28-92	21.33	8.89	12.44	ND	NR	NR										
MW-2	11-16-92	21.33	7.93	13.40	ND	NR	NR	11-16-92	13000	900	940	300	1400	--	--	--	--
MW-2	12-16-92	21.33	7.44	13.89	ND	NR	NR										
MW-2	01-15-93	21.33	6.13	15.20	ND	NR	NR										
MW-2	02-16-93	21.33	6.02	15.31	ND	NR	NR	02-16-93	20000	1800	1200	530	2700	--	--	--	--
MW-2	03-30-93	21.33	5.98	15.35	ND	NR	NR										

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		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	04-28-93	21.33	6.58	14.75	ND	NR	NR										
MW-2	05-13-93	21.33	6.99	14.34	ND	NR	NR	05-13-93	13000	1000	470	370	1900	--	--	--	--
MW-2	06-17-93	21.33	7.40	13.93	ND	NR	NR										
MW-2	07-28-93	21.33	7.79	13.54	ND	NR	NR										
MW-2	08-17-93	21.33	7.85	13.48	ND	NR	NR	08-17-93	9100	770	160	310	1500	--	--	--	--
MW-2	11-08-93	21.33	8.12	13.21	ND	NR	NR	11-08-93	9200	380	62	130	630	--	--	--	--
MW-2	02-14-94	21.33	6.88	14.45	ND	NR	NR	02-14-94	8700	670	370	50	1400	--	--	--	--
MW-2	05-05-94	21.33	7.51	13.82	ND	NR	NR	05-05-94	5600	390	140	120	480	--	--	--	--
MW-2	08-04-94	21.33	8.00	13.33	ND	SW	0.004	08-04-94	2300	180	<2.5*	<2.5*	230	--	--	--	--
MW-2	11-20-94	21.33	6.86	14.47	ND	SW	0.002	11-20-94	4900	170	150	120	390	--	--	--	--
MW-2	03-17-95	21.33	6.12	15.21	ND	WSW	0.006	03-17-95	10000	460	77	260	550	--	--	--	--
MW-2	06-01-95	21.33	6.56	14.77	ND	SW	0.003	06-01-95	13000	400	78	210	410	--	--	--	--
MW-2	08-31-95	21.33	7.18	14.15	ND	SSW	0.005	08-31-95	5000	280	18	120	140	<50*	--	--	--
MW-2	11-27-95	21.33	7.39	13.94	ND	SSW	0.004	11-27-95	3200	230	12	77	90	--	--	--	--
MW-2	02-22-96	21.33	5.78	15.55	ND	NW	0.007	03-14-96	11000	290	67	190	330	<50*	--	--	--
MW-2	05-20-96	21.33	6.27	15.06	ND	SW	0.007	05-21-96	Not sampled: well sampled annually, during the first quarter								
MW-2	08-26-96	21.33	7.30	14.03	ND	SSW	0.004	08-26-96	Not sampled: well sampled annually, during the first quarter								
MW-2	11-20-96	21.33	7.28	14.05	ND	SSE	0.004	11-20-96	Not sampled: well sampled annually, during the first quarter								

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Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	07-17-90	20.84	7.03	13.81	Sheen	NR	NR	07-18-90	--	--	--	--	--	--	--	<5000	--
MW-3	08-07-90	20.84	7.21	13.63	ND	NR	NR										
MW-3	10-15-90	20.84	^8.19	^12.65	0.75	NR	NR	10-15-90	Not sampled: well contained floating product								
MW-3	11-20-90	20.84	^7.98	^12.85	1.08	NR	NR										
MW-3	12-21-90	20.84	^7.22	^13.62	0.01	NR	NR										
MW-3	01-09-91	20.84	^7.46	^13.38	0.30	NR	NR	01-09-91	Not sampled: well contained floating product								
MW-3	02-27-91	20.84	^7.37	^13.47	0.02	NR	NR										
MW-3	03-20-91	20.84	^^5.79	^^15.05	Sheen	NR	NR										
MW-3	04-16-91	20.84	7.95	12.89	Sheen	NR	NR	04-16-91	Not sampled: well contained floating product								
MW-3	05-16-91	20.84	7.50	13.34	ND	NR	NR										
MW-3	06-10-91	20.11	7.14	12.97	Sheen	NR	NR	06-10-91	Not sampled: well contained floating product								
MW-3	07-18-91	20.11	7.55	12.56	ND	NR	NR										
MW-3	08-22-91	20.11	7.64	12.47	Sheen	NR	NR										
MW-3	09-18-91	20.11	^7.89	^12.22	0.12	NR	NR										
MW-3	10-10-91	20.11	^7.82	^12.29	0.26	NR	NR	10-10-91	Not sampled: well contained floating product								
MW-3	11-21-91	20.11	^7.59	^12.52	0.04	NR	NR										
MW-3	12-24-91	20.11	^8.74	^11.37	0.01	NR	NR										
MW-3	01-19-92	20.11	6.98	13.13	0.01	NR	NR										
MW-3	02-20-92	20.11	5.05	15.06	0.01	NR	NR										
MW-3	03-23-92	20.11	5.75	14.36	Sheen	NR	NR	03-23-92	Not sampled: well contained floating product								
MW-3	04-21-92	20.11	6.55	13.56	ND	NR	NR										
MW-3	05-15-92	20.11	^7.11	^13.00	0.03	NR	NR										
MW-3	06-08-92	20.11	^7.52	^12.59	0.02	NR	NR	06-08-92	Not sampled: well contained floating product								
MW-3	07-15-92	20.11	7.92	12.19	ND	NR	NR										
MW-3	08-25-92	20.11	8.00	12.11	ND	NR	NR										
MW-3	09-15-92	20.11	^8.01	^12.10	0.02	NR	NR	09-15-92	Not sampled: well contained floating product								
MW-3	10-28-92	20.11	8.66	11.45	ND	NR	NR										
MW-3	11-16-92	20.11	7.11	13.00	Sheen	NR	NR	11-16-92	Not sampled: well contained floating product								
MW-3	12-16-92	20.11	6.62	13.49	ND	NR	NR										
MW-3	01-15-93	20.11	4.44	15.67	ND	NR	NR										
MW-3	02-16-93	20.11	^5.93	^14.18	0.01	NR	NR	02-16-93	Not sampled: well contained floating product								
MW-3	03-30-93	20.11	5.48	14.63	ND	NR	NR										

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		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	04-28-93	20.11	^6.02	^14.09	0.01	NR	NR										
MW-3	05-13-93	20.11	^6.37	^13.74	0.01	NR	NR	05-13-93	Not sampled: well contained floating product								
MW-3	06-17-93	20.11	^6.52	^13.59	0.01	NR	NR										
MW-3	07-28-93	20.11	6.95	13.16	ND	NR	NR										
MW-3	08-17-93	20.11	^7.00	^13.11	0.01	NR	NR	08-17-93	Not sampled: well contained floating product								
MW-3	11-08-93	20.11	7.31	12.80	ND	NR	NR	11-08-93	430000	4100	14000	6400	37000	--	--	--	--
MW-3	02-14-94	20.11	5.81	14.30	ND	NR	NR	02-14-94	85000	4200	12000	2500	16000	--	--	--	--
MW-3	05-05-94	20.11	6.81	13.30	ND	NR	NR	05-05-94	560000	4600	14000	5300	40000	--	--	--	--
MW-3	08-04-94	20.11	7.31	12.80	ND	SW	0.004	08-04-94	64000	4200	7600	1700	12000	--	--	--	--
MW-3	11-20-94	20.11	5.88	14.23	ND	SW	0.002	11-20-94	80000	4700	9700	2400	15000	--	--	--	--
MW-3	03-17-95	20.11	5.46	14.65	ND	WSW	0.006	03-17-95	370000	4800	12000	5800	34000	--	--	--	--
MW-3	06-01-95	20.11	6.34	13.77	ND	SW	0.003	06-01-95	270000	6000	11000	5200	28000	--	--	--	--
MW-3	08-31-95	20.11	6.60	** 13.52	0.02	SSW	0.005	08-31-95	Not sampled: well contained floating product								
MW-3	11-27-95	20.11	6.76	** 13.36	0.01	SSW	0.004	11-27-95	150000	5100	8800	3900	21000	--	--	--	--
MW-3	02-22-96	20.11	5.14	** 14.98	0.01	NW	0.007	03-14-96	150000	4400	7600	4100	22000	<3000*	--	--	--
MW-3	05-20-96	20.11	5.17	14.94	ND	SW	0.007	05-21-96	410000	4700	8000	6300	36000	<3000*	--	--	--
MW-3	08-26-96	20.11	7.04	13.07	ND	SSW	0.004	08-26-96	260000	4000	6100	4200	24000	<2000*	--	--	--
MW-3	11-20-96	20.11	6.26	13.85	ND	SSE	0.004	11-20-96	190000	3200	5800	3300	20000	<1000*	--	--	--

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		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	06-10-91	20.75	DRY	DRY	ND	DRY	DRY	06-10-91	Not sampled: dry well								
MW-4	07-18-91	20.75	7.86	12.89	ND	NR	NR										
MW-4	08-22-91	20.75	7.85	12.90	ND	NR	NR										
MW-4	09-18-91	20.75	7.84	12.91	ND	NR	NR										
MW-4	10-10-91	20.75	DRY	DRY	ND	DRY	DRY	10-10-91	15000	5300	1500	470	1300	--	--	--	--
MW-4	11-21-91	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	12-24-91	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	01-19-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	02-20-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	03-23-92	20.75	DRY	DRY	ND	DRY	DRY	03-23-92	24000	5600	4000	580	3100	--	--	--	--
MW-4	04-21-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	05-15-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	06-08-92	20.75	DRY	DRY	ND	DRY	DRY	06-08-92	5700	2000	170	92	270	--	--	--	--
MW-4	07-15-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	08-25-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	09-15-92	20.75	DRY	DRY	ND	DRY	DRY	09-15-92	Not sampled: dry well								
MW-4	10-28-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	11-16-92	20.75	DRY	DRY	ND	DRY	DRY	11-16-92	Not sampled: dry well								
MW-4	12-16-92	20.75	DRY	DRY	ND	DRY	DRY										
MW-4	01-15-93	20.75	7.48	13.27	ND	NR	NR										
MW-4	02-16-93	20.75	7.10	13.65	ND	NR	NR	02-16-93	12000	920	1100	130	750	--	--	--	--
MW-4	03-30-93	20.75	7.51	13.24	ND	NR	NR										
MW-4	04-28-93	20.75	7.10	13.65	ND	NR	NR										
MW-4	05-13-93	20.75	7.02	13.73	ND	NR	NR	05-13-93	19000	2900	2800	360	1900	--	--	--	--
MW-4	06-17-93	20.75	7.98	12.77	ND	NR	NR										
MW-4	07-28-93	20.75	7.90	12.85	ND	NR	NR										
MW-4	08-17-93	20.75	7.85	12.90	ND	NR	NR	08-17-93	8100	1600	1300	170	730	--	--	--	--
MW-4	11-08-93	20.75	DRY	DRY	ND	DRY	DRY	11-08-93	2000	540	110	10	240	--	--	--	--
MW-4	02-14-94	20.75	DRY	DRY	ND	DRY	DRY	02-14-94	Not sampled: dry well								
MW-4	05-05-94	20.75	7.73	13.02	ND	NR	NR	05-05-94	1900	510	78	31	150	--	--	--	--
MW-4	08-04-94	20.75	7.83	12.92	ND	SW	0.004	08-04-94	1300	360	17	<5*	190	--	--	--	--
MW-4	11-20-94	20.75	7.73	13.02	ND	SW	0.002	11-20-94	<50	2.9	0.5	<0.5	1.4	--	--	--	--

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	03-17-95	20.75	6.65	14.10	ND	WSW	0.006	03-17-95	16000	1800	970	310	2500	--	--	--	--
MW-4	06-01-95	20.75	7.25	13.50	ND	SW	0.003	06-01-95	16000	2800	870	380	2700	--	--	--	--
MW-4	08-31-95	20.75	7.75	13.00	ND	SSW	0.005	08-31-95	9000	2000	270	270	1400	<100*	--	--	--
MW-4	11-27-95	20.75	7.87	12.88	ND	SSW	0.004	11-27-95	3800	890	130	130	550	--	--	--	--
MW-4	02-22-96	20.75	7.29	13.46	ND	NW	0.007	03-14-96	940	150	82	19	130	<20*	--	--	--
MW-4	05-20-96	20.75	7.30	13.45	ND	SW	0.007	05-21-96	6700	1100	330	120	1100	<100*	--	--	--
MW-4	08-26-96	20.75	7.57	13.18	ND	SSW	0.004	08-26-96	14000	2400	510	350	2100	<100*	--	--	--
MW-4	11-20-96	20.75	7.89	12.86	ND	SSE	0.004	11-20-96	420	55	17	11	62	<3	--	--	--

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	06-10-91	20.90	7.58	13.32	ND	NR	NR	06-10-91	100000	25000	20000	2600	12000	--	--	--	--
MW-5	07-18-91	20.90	7.97	12.93	ND	NR	NR										
MW-5	08-22-91	20.90	8.18	12.72	ND	NR	NR										
MW-5	09-18-91	20.90	8.31	12.59	ND	NR	NR										
MW-5	10-10-91	20.90	8.51	12.39	Sheen	NR	NR	10-10-91	Not sampled: well contained floating product								
MW-5	11-21-91	20.90	8.13	12.77	ND	NR	NR										
MW-5	12-24-91	20.90	8.32	12.58	ND	NR	NR										
MW-5	01-19-92	20.90	7.50	13.40	ND	NR	NR										
MW-5	02-20-92	20.90	5.97	14.93	ND	NR	NR										
MW-5	03-23-92	20.90	6.06	14.84	ND	NR	NR	03-23-92	150000	24000	31000	4400	23000	--	--	--	--
MW-5	04-21-92	20.90	6.90	14.00	ND	NR	NR										
MW-5	05-15-92	20.90	7.32	13.58	ND	NR	NR										
MW-5	06-08-92	20.90	7.66	13.24	ND	NR	NR	06-08-92	120000	17000	13000	2400	11000	--	--	--	--
MW-5	07-15-92	20.90	8.34	12.56	ND	NR	NR										
MW-5	08-25-92	20.90	8.18	12.72	ND	NR	NR										
MW-5	09-15-92	20.90	8.40	12.50	ND	NR	NR	09-15-92	Not sampled: floating product entered the well during purging								
MW-5	10-28-92	20.90	8.83	12.07	ND	NR	NR										
MW-5	11-16-92	20.90	7.70	13.20	ND	NR	NR	11-16-92	110000	16000	16000	3200	18000	--	--	--	--
MW-5	12-16-92	20.90	6.92	13.98	ND	NR	NR										
MW-5	01-15-93	20.90	5.52	15.38	ND	NR	NR										
MW-5	02-16-93	20.90	5.64	15.26	ND	NR	NR	02-16-93	150000	12000	15000	3000	17000	--	--	--	--
MW-5	03-30-93	20.90	5.56	15.34	ND	NR	NR										
MW-5	04-28-93	20.90	6.28	14.62	ND	NR	NR										
MW-5	05-13-93	20.90	6.68	14.22	ND	NR	NR	05-13-93	Not sampled: floating product entered the well during purging								
MW-5	06-17-93	20.90	7.07	13.83	ND	NR	NR										
MW-5	07-28-93	20.90	7.41	13.49	ND	NR	NR										
MW-5	08-17-93	20.90	7.49	13.41	ND	NR	NR	08-17-93	87000	15000	8500	1900	11000	--	--	--	--
MW-5	11-08-93	20.90	7.93	12.97	ND	NR	NR	11-08-93	87000	12000	8300	2000	12000	--	--	--	--
MW-5	02-14-94	20.90	6.49	14.41	ND	NR	NR	02-14-94	46000	7300	5300	940	5200	--	--	--	--
MW-5	05-05-94	20.90	7.18	13.72	ND	NR	NR	05-05-94	54000	9700	4700	1000	6400	--	--	--	--
MW-5	08-04-94	20.90	7.83	13.07	ND	SW	0.004	08-04-94	57000	14000	3200	1200	7200	--	--	--	--
MW-5	11-20-94	20.90	6.34	14.56	ND	SW	0.002	11-20-94	33000	5700	1800	720	4700	--	--	--	--

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	03-17-95	20.90	5.51	15.39	ND	WSW	0.006	03-17-95	48000	6400	2000	740	5100	--	--	--	--
MW-5	06-01-95	20.90	6.55	14.35	ND	SW	0.003	06-01-95	76000	11000	5400	1400	7700	--	--	--	--
MW-5	08-31-95	20.90	6.80	14.10	ND	SSW	0.005	08-31-95	53000	12000	1600	1000	6000	<500*	--	--	--
MW-5	11-27-95	20.90	7.13	13.77	ND	SSW	0.004	11-27-95	43000	7900	3300	950	4900	--	--	--	--
MW-5	02-22-96	20.90	5.12	15.78	ND	NW	0.007	03-14-96	52000	9100	3300	940	5000	<500*	--	--	--
MW-5	05-20-96	20.90	5.87	15.03	ND	SW	0.007	05-21-96	55000	9300	3800	1100	5400	<500*	--	--	--
MW-5	08-26-96	20.90	7.15	13.75	ND	SSW	0.004	08-26-96	47000	5300	2100	780	3200	<300*	--	--	--
MW-5	11-20-96	20.90	6.88	14.02	ND	SSE	0.004	11-20-96	53000	8700	5700	920	4400	<500*	--	--	--

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	06-10-91	22.08	DRY	DRY	ND	DRY	DRY	06-10-91	Not sampled: dry well								
MW-6	07-18-91	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	08-22-91	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	09-18-91	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	10-10-91	22.08	DRY	DRY	ND	DRY	DRY	10-10-91	Not sampled: dry well								
MW-6	11-21-91	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	12-24-91	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	01-19-92	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	02-20-92	22.08	7.28	14.80	ND	NR	NR										
MW-6	03-23-92	22.08	7.45	14.63	ND	NR	NR	03-23-92	75000	19000	10000	1600	8600	--	--	--	--
MW-6	04-21-92	22.08	7.74	14.34	ND	NR	NR										
MW-6	05-15-92	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	06-08-92	22.08	DRY	DRY	ND	DRY	DRY	06-08-92	Not sampled: dry well								
MW-6	07-15-92	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	08-25-92	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	09-15-92	22.08	DRY	DRY	ND	DRY	DRY	09-15-92	Not sampled: dry well								
MW-6	10-28-92	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	11-16-92	22.08	DRY	DRY	ND	DRY	DRY	11-16-92	Not sampled: dry well								
MW-6	12-16-92	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	01-15-93	22.08	7.22	14.86	ND	NR	NR										
MW-6	02-16-93	22.08	6.79	15.29	ND	NR	NR	02-16-93	65000	14000	3500	1300	6100	--	--	--	--
MW-6	03-30-93	22.08	6.68	15.40	ND	NR	NR										
MW-6	04-28-93	22.08	7.28	14.80	ND	NR	NR										
MW-6	05-13-93	22.08	7.73	14.35	ND	NR	NR	05-13-93	36000	8200	870	1000	5200	--	--	--	--
MW-6	06-17-93	22.08	8.15	13.93	ND	NR	NR										
MW-6	07-28-93	22.08	DRY	DRY	ND	DRY	DRY										
MW-6	08-17-93	22.08	DRY	DRY	ND	DRY	DRY	08-17-93	Not sampled: dry well								
MW-6	11-08-93	22.08	DRY	DRY	ND	DRY	DRY	11-08-93	Not sampled: dry well								
MW-6	02-14-94	22.08	7.78	14.30	ND	NR	NR	02-14-94	47000	14000	390	1000	5100	--	--	--	--
MW-6	05-05-94	22.08	8.24	13.84	ND	NR	NR	05-05-94	45000	14000	<200*	1300	4500	--	--	--	--
MW-6	08-04-94	22.08	DRY	DRY	ND	DRY	DRY	08-04-94	Not sampled: dry well								
MW-6	11-20-94	22.08	7.41	14.67	ND	SW	0.002	11-20-94	30000	11000	<100*	1200	2300	--	--	--	--

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	03-17-95	22.08	6.66	15.42	ND	WSW	0.006	03-17-95	45000	9300	<100*	1900	3600	--	--	--	--
MW-6	06-01-95	22.08	7.60	14.48	ND	SW	0.003	06-01-95	23000	5600	<50*	1300	1900	--	--	--	--
MW-6	08-31-95	22.08	7.92	14.16	ND	SSW	0.005	08-31-95	26000	8000	<100*	1900	900	<500*	--	--	--
MW-6	11-27-95	22.08	8.21	13.87	ND	SSW	0.004	11-27-95	6700	1800	<20*	480	230	--	--	--	--
MW-6	02-22-96	22.08	6.21	15.87	ND	NW	0.007	03-14-96	17000	3100	69	810	1500	<300*	--	--	--
MW-6	05-20-96	22.08	7.07	15.01	ND	SW	0.007	05-21-96	16000	3700	<50*	1100	1100	<300*	--	--	--
MW-6	08-26-96	22.08	7.93	14.15	ND	SSW	0.004	08-26-96	23000	5800	<50*	2000	560	<300*	--	--	--
MW-6	11-20-96	22.08	8.02	14.06	ND	SSE	0.004	11-20-96	11000	3300	<50*	480	370	<300*	--	--	--

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ARCO Service Station 601
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Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	06-10-91	22.89	DRY	DRY	ND	DRY	DRY	06-10-91	Not sampled: dry well								
MW-7	07-18-91	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	08-22-91	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	09-18-91	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	10-10-91	22.89	DRY	DRY	ND	DRY	DRY	10-10-91	Not sampled: dry well								
MW-7	11-21-91	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	12-24-91	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	01-19-92	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	02-20-92	22.89	8.74	14.15	ND	NR	NR										
MW-7	03-23-92	22.89	8.20	14.69	ND	NR	NR	03-23-92	270	10	0.5	3	13	--	--	--	--
MW-7	04-21-92	22.89	8.86	14.03	ND	NR	NR										
MW-7	05-15-92	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	06-08-92	22.89	DRY	DRY	ND	DRY	DRY	06-08-92	Not sampled: dry well								
MW-7	07-15-92	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	08-25-92	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	09-15-92	22.89	DRY	DRY	ND	DRY	DRY	09-15-92	Not sampled: dry well								
MW-7	10-28-92	22.89	^^10.38	12.51	ND	NR	NR										
MW-7	11-16-92	22.89	DRY	DRY	ND	DRY	DRY	11-16-92	Not sampled: dry well								
MW-7	12-16-92	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	01-15-93	22.89	8.37	14.52	ND	NR	NR										
MW-7	02-16-93	22.89	7.84	15.05	ND	NR	NR	02-16-93	120	3.6	<0.5	<0.5	1.2	--	--	--	--
MW-7	03-30-93	22.89	8.03	14.86	ND	NR	NR										
MW-7	04-28-93	22.89	8.33	14.56	ND	NR	NR										
MW-7	05-13-93	22.89	8.56	14.33	ND	NR	NR	05-13-93	<50	0.8	<0.5	<0.5	<0.5	--	--	--	--
MW-7	06-17-93	22.89	9.30	13.59	ND	NR	NR										
MW-7	07-28-93	22.89	DRY	DRY	ND	DRY	DRY										
MW-7	08-17-93	22.89	DRY	DRY	ND	DRY	DRY	08-17-93	Not sampled: dry well								
MW-7	11-08-93	22.89	DRY	DRY	ND	DRY	DRY	11-08-93	Not sampled: dry well								
MW-7	02-14-94	22.89	8.80	14.09	ND	NR	NR	02-14-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-7	05-05-94	22.89	9.11	13.78	ND	NR	NR	05-05-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-7	08-04-94	22.89	DRY	DRY	ND	DRY	DRY	08-04-94	Not sampled: dry well								
MW-7	11-20-94	22.89	8.72	14.17	ND	SW	0.002	11-20-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	03-17-95	22.89	7.68	15.21	ND	WSW	0.006	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-7	06-01-95	22.89	8.40	14.49	ND	SW	0.003	06-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-7	08-31-95	22.89	9.09	13.80	ND	SSW	0.005	08-31-95	<50	<0.5	<0.5	0.6	<0.5	<3	--	--	--
MW-7	11-27-95	22.89	9.15	13.74	ND	SSW	0.004	11-27-95	<50	<0.5	<0.5	0.9	<0.5	--	--	--	--
MW-7	02-22-96	22.89	7.44	15.45	ND	NW	0.007	03-14-96	110	1.4	<0.5	3.8	3	<3	--	--	--
MW-7	05-20-96	22.89	8.47	14.42	ND	SW	0.007	05-21-96	Not sampled: well sampled annually, during the first quarter								
MW-7	08-26-96	22.89	8.81	14.08	ND	SSW	0.004	08-26-96	Not sampled: well sampled annually, during the first quarter								
MW-7	11-20-96	22.89	9.17	13.72	ND	SSE	0.004	11-20-96	Not sampled: well sampled annually, during the first quarter								

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	06-10-91	20.97	7.80	13.17	ND	NR	NR	06-10-91	5800	73	7.2	150	21	--	--	<5000	--
MW-8	07-18-91	20.97	8.36	12.61	ND	NR	NR										
MW-8	08-22-91	20.97	8.53	12.44	ND	NR	NR										
MW-8	09-18-91	20.97	8.68	12.29	ND	NR	NR										
MW-8	10-10-91	20.97	8.87	12.10	ND	NR	NR	10-10-91	2800	31	6.1	4.5	3.9	--	--	--	--
MW-8	11-21-91	20.97	8.43	12.54	ND	NR	NR										
MW-8	12-24-91	20.97	8.68	12.29	ND	NR	NR										
MW-8	01-19-92	20.97	7.73	13.24	ND	NR	NR										
MW-8	02-20-92	20.97	5.57	15.40	ND	NR	NR										
MW-8	03-23-92	20.97	5.81	15.16	ND	NR	NR	03-23-92	8000	18	<5.0*	320	42	--	--	--	--
MW-8	04-21-92	20.97	7.05	13.92	ND	NR	NR										
MW-8	05-15-92	20.97	7.79	13.18	ND	NR	NR										
MW-8	06-08-92	20.97	8.01	12.96	ND	NR	NR	06-08-92	4000	<10*	<10*	110	<10*	--	--	--	--
MW-8	07-15-92	20.97	8.46	12.51	ND	NR	NR										
MW-8	08-25-92	20.97	8.64	12.33	ND	NR	NR										
MW-8	09-15-92	20.97	8.80	12.17	ND	NR	NR	09-15-92	4200	6.4	<5*	120	<5*	--	--	--	460^
MW-8	10-28-92	20.97	8.80	12.17	ND	NR	NR										
MW-8	11-16-92	20.97	8.19	12.78	ND	NR	NR	11-16-92	2600	4	<2.5*	21	5.2	--	--	1200	1100^
MW-8	12-16-92	20.97	6.66	14.31	ND	NR	NR										
MW-8	01-15-93	20.97	5.18	15.79	ND	NR	NR										
MW-8	02-16-93	20.97	5.84	15.13	ND	NR	NR	02-16-93	8700	<5*	<5*	200	<5*	--	--	150000	5300^
MW-8	03-30-93	20.97	4.98	15.99	ND	NR	NR										
MW-8	04-28-93	20.97	6.17	14.80	ND	NR	NR										
MW-8	05-13-93	20.97	6.93	14.04	ND	NR	NR	05-13-93	2300	<5*	<5*	42	<5*	--	--	2000	2300^
MW-8	06-17-93	20.97	7.36	13.61	ND	NR	NR										
MW-8	07-28-93	20.97	7.80	13.17	ND	NR	NR										
MW-8	08-17-93	20.97	7.87	13.10	ND	NR	NR	08-17-93	1700	1.8	<1.3*	16	1.2	--	--	1200	1000^
MW-8	11-08-93	20.97	8.31	12.66	ND	NR	NR	11-08-93	1200	2.4	<1*	19	2.3	--	--	4200	<1000
MW-8	02-14-94	20.97	7.00	13.97	ND	NR	NR	02-14-94	3600	3	<1*	72	<1*	--	--	2000	3900^
MW-8	05-05-94	20.97	7.46	13.51	ND	NR	NR	05-05-94	2100	<2.5*	<2.5*	8.3	<2.5*	--	--	700	440^
MW-8	08-04-94	20.97	8.17	12.80	ND	SW	0.004	08-04-94	1200	1.5	<1*	6.7	<1*	--	--	700	<50
MW-8	11-20-94	20.97	6.78	14.19	ND	SW	0.002	11-20-94	2300	1.2	1.1	20	2.2	--	--	<500	2100^

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ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	03-17-95	20.97	6.14	14.83	ND	WSW	0.006	03-17-95	5400	<5*	<5*	35	<5*	--	--	--	--
MW-8	06-01-95	20.97	6.50	14.47	ND	SW	0.003	06-01-95	2600	<2.5*	<2.5*	15	<2.5*	--	--	--	--
MW-8	08-31-95	20.97	7.35	13.62	ND	SSW	0.005	08-31-95	1400	<3*	<3*	5	<3*	520	--	900	--
MW-8	11-27-95	20.97	7.60	13.37	ND	SSW	0.004	11-27-95	620	<0.5	<0.5	<0.5	0.5	--	560	900	510^
MW-8	02-22-96	20.97	5.35	15.62	ND	NW	0.007	03-14-96	5800	<5*	<5*	28	<5*	110	--	1900	6800^
MW-8	05-20-96	20.97	5.92	15.05	ND	SW	0.007	05-21-96	6100	<5*	<5*	26	<5*	240	--	--	--
MW-8	08-26-96	20.97	7.08	13.89	ND	SSW	0.004	08-26-96	970	<1*	<1*	3	<1*	710	--	--	--
MW-8	11-20-96	20.97	7.01	13.96	ND	SSE	0.004	11-20-96	3900	<2.5*	<2.5*	12	<2.5*	930	--	--	--

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ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06-11-93	20.89	8.15	12.74	ND	NR	NR	06-11-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	07-28-93	20.89	8.49	12.40	ND	NR	NR										
MW-9	08-17-93	20.89	8.53	12.36	ND	NR	NR	08-17-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	11-08-93	20.89	8.87	12.02	ND	NR	NR	11-08-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	02-14-94	20.89	7.47	13.42	ND	NR	NR	02-14-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	05-05-94	20.89	8.04	12.85	ND	NR	NR	05-05-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	08-04-94	20.89	8.78	12.11	ND	SW	0.004	08-04-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	11-20-94	20.89	6.83	14.06	ND	SW	0.002	11-20-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	03-17-95	20.89	6.94	13.95	ND	WSW	0.006	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	06-01-95	20.89	8.15	12.74	ND	SW	0.003	06-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	08-31-95	20.89	8.10	12.79	ND	SSW	0.005	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-9	11-27-95	20.89	8.38	12.51	ND	SSW	0.004	11-27-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-9	02-22-96	20.89	7.36	13.53	ND	NW	0.007	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-9	05-20-96	20.89	7.81	13.08	ND	SW	0.007	05-21-96	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-9	08-26-96	20.89	8.00	12.89	ND	SSW	0.004	08-26-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-9	11-20-96	20.89	7.06	13.83	ND	SSE	0.004	11-20-96	Not sampled: well sampled semi-annually, during the first and third quarters								

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Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	06-11-93	21.12	8.14	12.98	ND	NR	NR	06-11-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	07-28-93	21.12	8.43	12.69	ND	NR	NR										
MW-10	08-17-93	21.12	8.54	12.58	ND	NR	NR	08-17-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	11-08-93	21.12	8.70	12.42	ND	NR	NR	11-08-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	02-14-94	21.12	7.13	13.99	ND	NR	NR	02-14-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	05-05-94	21.12	8.08	13.04	ND	NR	NR	05-05-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	08-04-94	21.12	8.84	12.28	ND	SW	0.004	08-04-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	11-20-94	21.12	7.05	14.07	ND	SW	0.002	11-20-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	03-17-95	21.12	6.26	14.86	ND	WSW	0.006	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	06-01-95	21.12	7.63	13.49	ND	SW	0.003	06-01-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	08-31-95	21.12	8.17	12.95	ND	SSW	0.005	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-10	11-27-95	21.12	8.38	12.74	ND	SSW	0.004	11-27-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-10	02-22-96	21.12	5.41	15.71	ND	NW	0.007	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-10	05-20-96	21.12	6.78	14.34	ND	SW	0.007	05-21-96	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-10	08-26-96	21.12	8.00	13.12	ND	SSW	0.004	08-26-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-10	11-20-96	21.12	7.81	13.31	ND	SSE	0.004	11-20-96	Not sampled: well sampled semi-annually, during the first and third quarters								

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Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-11	11-16-92	22.38	9.02	13.36	ND	NR	NR	11-16-92	7000	21	<10*	18	230	--	--	--	--
MW-11	12-16-92	22.38	8.48	13.90	ND	NR	NR										
MW-11	01-15-93	22.38	7.14	15.24	ND	NR	NR										
MW-11	02-16-93	22.38	7.11	15.27	ND	NR	NR	02-16-93	2200	<10*	<10*	11	<10*	--	--	--	--
MW-11	03-30-93	22.38	7.01	15.37	ND	NR	NR										
MW-11	04-28-93	22.38	7.62	14.76	ND	NR	NR										
MW-11	05-13-93	22.38	8.04	14.34	ND	NR	NR	05-13-93	1600	<2.5*	<2.5*	41	6.8	--	--	--	--
MW-11	06-17-93	22.38	8.44	13.94	ND	NR	NR										
MW-11	07-28-93	22.38	8.80	13.58	ND	NR	NR										
MW-11	08-17-93	22.38	8.78	13.60	ND	NR	NR	08-17-93	830	1.4	<1.0*	25	15	--	--	--	--
MW-11	11-08-93	22.38	9.23	13.15	ND	NR	NR	11-08-93	370	<1.0*	<1.0*	2.5	2.1	--	--	--	--
MW-11	02-14-94	22.38	7.94	14.44	ND	NR	NR	02-14-94	650	<1*	<1*	2	4	--	--	--	--
MW-11	05-05-94	22.38	8.55	13.83	ND	NR	NR	05-05-94	210	<0.5	<0.5	2.5	0.6	--	--	--	--
MW-11	08-04-94	22.38	9.13	13.25	ND	SW	0.004	08-04-94	390	<0.5	<0.7*	1.9	2.2	--	--	--	--
MW-11	11-20-94	22.38	7.73	14.65	ND	SW	0.002	11-20-94	1300	1.3	0.5	1.5	21	--	--	--	--
MW-11	03-17-95	22.38	6.94	15.44	ND	WSW	0.006	03-17-95	100	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-11	06-01-95	22.38	7.90	14.48	ND	SW	0.003	06-01-95	210	<0.5	<0.5	0.9	0.7	--	--	--	--
MW-11	08-31-95	22.38	8.18	14.20	ND	SSW	0.005	08-31-95	680	<0.5	<0.5	4	1.8	<3	--	--	--
MW-11	11-27-95	22.38	8.48	13.90	ND	SSW	0.004	11-27-95	340	<0.5	<0.5	2.2	1.6	--	--	--	--
MW-11	02-22-96	22.38	6.63	15.75	ND	NW	0.007	03-14-96	150	<0.5	<0.5	<0.8*	0.8	<3	--	--	--
MW-11	05-20-96	22.38	7.25	15.13	ND	SW	0.007	05-21-96	Not sampled: well sampled annually, during the first quarter								
MW-11	08-26-96	22.38	8.22	14.16	ND	SSW	0.004	08-26-96	Not sampled: well sampled annually, during the first quarter								
MW-11	11-20-96	22.38	8.37	14.01	ND	SSE	0.004	11-20-96	Not sampled: well sampled annually, during the first quarter								

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Well Designation	Water Level Field Date	Top of Casing Elevation ft-MSL	Depth to Water feet	Groundwater Elevation ft-MSL	Floating Product Thickness feet	Groundwater Flow Direction MWN	Hydraulic Gradient ft/ft	Water Sample Field Date	TPHG LUFT Method µg/L	Benzene EPA 8020 µg/L	Toluene EPA 8020 µg/L	Ethylbenzene EPA 8020 µg/L	Total Xylenes EPA 8020 µg/L	MTBE EPA 8020 µg/L	MTBE EPA 8240 µg/L	TRPH EPA 418.1 µg/L	TPHD LUFT Method µg/L
MW-12	11-16-92	22.77	9.65	13.12	ND	NR	NR	11-16-92	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	12-16-92	22.77	8.71	14.06	ND	NR	NR										
MW-12	01-15-93	22.77	7.19	15.58	ND	NR	NR										
MW-12	02-16-93	22.77	7.88	14.89	ND	NR	NR	02-16-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	03-30-93	22.77	7.43	15.34	ND	NR	NR										
MW-12	04-28-93	22.77	8.22	14.55	ND	NR	NR										
MW-12	05-13-93	22.77	8.63	14.14	ND	NR	NR	05-13-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	06-17-93	22.77	8.98	13.79	ND	NR	NR										
MW-12	07-28-93	22.77	9.32	13.45	ND	NR	NR										
MW-12	08-17-93	22.77	9.30	13.47	ND	NR	NR	08-17-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	11-08-93	22.77	9.72	13.05	ND	NR	NR	11-08-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	02-14-94	22.77	8.24	14.53	ND	NR	NR	02-14-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	05-05-94	22.77	8.97	13.80	ND	NR	NR	05-05-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	08-04-94	22.77	9.57	13.20	ND	SW	0.004	08-04-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	11-20-94	22.77	8.06	14.71	ND	SW	0.002	11-20-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	03-17-95	22.77	7.09	15.68	ND	WSW	0.006	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-12	06-01-95	22.77	8.40	14.37	ND	SW	0.003	06-01-95	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-12	08-31-95	22.77	8.55	14.22	ND	SSW	0.005	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-12	11-27-95	22.77	8.95	13.82	ND	SSW	0.004	11-27-95	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-12	02-22-96	22.77	6.81	15.96	ND	NW	0.007	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-12	05-20-96	22.77	7.56	15.21	ND	SW	0.007	05-21-96	Not sampled: well sampled annually, during the first quarter								
MW-12	08-26-96	22.77	8.63	14.14	ND	SSW	0.004	08-26-96	Not sampled: well sampled annually, during the first quarter								
MW-12	11-20-96	22.77	8.38	14.39	ND	SSE	0.004	11-20-96	Not sampled: well sampled annually, during the first quarter								

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	11-16-92	22.45	9.02	13.43	ND	NR	NR	11-16-92	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	12-16-92	22.45	8.23	14.22	ND	NR	NR										
MW-13	01-15-93	22.45	6.89	15.56	ND	NR	NR										
MW-13	02-16-93	22.45	7.14	15.31	ND	NR	NR	02-16-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	03-30-93	22.45	7.01	15.44	ND	NR	NR										
MW-13	04-28-93	22.45	7.57	14.88	ND	NR	NR										
MW-13	05-13-93	22.45	7.95	14.50	ND	NR	NR	05-13-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	06-17-93	22.45	8.32	14.13	ND	NR	NR										
MW-13	07-28-93	22.45	8.59	13.86	ND	NR	NR										
MW-13	08-17-93	22.45	8.57	13.88	ND	NR	NR	08-17-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	11-08-93	22.45	8.86	13.59	ND	NR	NR	11-08-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	02-14-94	22.45	7.78	14.67	ND	NR	NR	02-14-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	05-05-94	22.45	8.38	14.07	ND	NR	NR	05-05-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	08-04-94	22.45	8.78	13.67	ND	SW	0.004	08-04-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	11-20-94	22.45	7.68	14.77	ND	SW	0.002	11-20-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	03-17-95	22.45	6.91	15.54	ND	WSW	0.006	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-13	06-01-95	22.45	7.72	14.73	ND	SW	0.003	06-01-95	Not sampled: well sampled annually, during the first quarter								
MW-13	08-31-95	22.45	7.58	14.87	ND	SSW	0.005	08-31-95	Not sampled: well sampled annually, during the first quarter								
MW-13	11-27-95	22.45	7.98	14.47	ND	SSW	0.004	11-27-95	Not sampled: well sampled annually, during the first quarter								
MW-13	02-22-96	22.45	6.71	15.74	ND	NW	0.007	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-13	05-20-96	22.45	6.98	15.47	ND	SW	0.007	05-21-96	Not sampled: well sampled annually, during the first quarter								
MW-13	08-26-96	22.45	7.85	14.60	ND	SSW	0.004	08-26-96	Not sampled: well sampled annually, during the first quarter								
MW-13	11-20-96	22.45	7.76	14.69	ND	SSE	0.004	11-20-96	Not sampled: well sampled annually, during the first quarter								

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ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

Date: 04-15-97

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		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-14	09-15-92	22.99	10.66	12.33	ND	NR	NR	09-15-92	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	10-28-92	22.99	10.91	12.08	ND	NR	NR										
MW-14	11-16-92	22.99	10.33	12.66	ND	NR	NR	11-16-92	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	12-16-92	22.99	9.20	13.79	ND	NR	NR										
MW-14	01-15-93	22.99	7.06	15.93	ND	NR	NR										
MW-14	02-16-93	22.99	8.18	14.81	ND	NR	NR	02-16-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	03-30-93	22.99	7.97	15.02	ND	NR	NR										
MW-14	04-28-93	22.99	8.63	14.36	ND	NR	NR										
MW-14	05-13-93	22.99	9.05	13.94	ND	NR	NR	05-13-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	06-17-93	22.99	9.55	13.44	ND	NR	NR										
MW-14	07-28-93	22.99	9.89	13.10	ND	NR	NR										
MW-14	08-17-93	22.99	9.90	13.09	ND	NR	NR	08-17-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	11-08-93	22.99	10.25	12.74	ND	NR	NR	11-08-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	02-14-94	22.99	8.80	14.19	ND	NR	NR	02-14-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	05-05-94	22.99	9.49	13.50	ND	NR	NR	05-05-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	08-04-94	22.99	10.11	12.88	ND	SW	0.004	08-04-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	11-20-94	22.99	8.66	14.33	ND	SW	0.002	11-20-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	03-17-95	22.99	8.17	14.82	ND	WSW	0.006	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-14	06-01-95	22.99	8.57	14.42	ND	SW	0.003	06-01-95	Not sampled: well sampled annually, during the first quarter								
MW-14	08-31-95	22.99	9.05	13.94	ND	SSW	0.005	08-31-95	Not sampled: well sampled annually, during the first quarter								
MW-14	11-27-95	22.99	9.19	13.80	ND	SSW	0.004	11-27-95	Not sampled: well sampled annually, during the first quarter								
MW-14	02-22-96	22.99	6.52	16.47	ND	NW	0.007	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-14	05-20-96	22.99	7.88	15.11	ND	SW	0.007	05-21-96	Not sampled: well sampled annually, during the first quarter								
MW-14	08-26-96	22.99	8.83	14.16	ND	SSW	0.004	08-26-96	Not sampled: well sampled annually, during the first quarter								
MW-14	11-20-96	22.99	8.95	14.04	ND	SSE	0.004	11-20-96	Not sampled: well sampled annually, during the first quarter								

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
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		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	04-28-93	19.19	5.51	13.68	ND	NR	NR										
MW-15	05-13-93	19.19	5.91	13.28	ND	NR	NR	05-13-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-15	06-17-93	19.19	6.18	13.01	ND	NR	NR										
MW-15	07-28-93	19.19	6.45	12.74	ND	NR	NR										
MW-15	08-17-93	19.19	6.54	12.65	ND	NR	NR	08-17-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-15	11-08-93	19.19	6.98	12.21	ND	NR	NR	11-08-93	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-15	02-14-94	19.19	5.44	13.75	ND	NR	NR	02-14-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-15	05-05-94	19.19	6.18	13.01	ND	NR	NR	05-05-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-15	08-04-94	19.19	6.84	12.35	ND	SW	0.004	08-04-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	-
MW-15	11-20-94	19.19	5.31	13.88	ND	SW	0.002	11-20-94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-15	03-17-95	19.19	5.21	13.98	ND	WSW	0.006	03-17-95	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-15	06-01-95	19.19	5.84	13.35	ND	SW	0.003	06-01-95	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-15	08-31-95	19.19	6.18	13.01	ND	SSW	0.005	08-31-95	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--
MW-15	11-27-95	19.19	6.42	12.77	ND	SSW	0.004	11-27-95	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-15	02-22-96	19.19	4.84	14.35	ND	NW	0.007	03-14-96	<50	<0.5	<0.5	<0.5	<0.5	12	--	--	--
MW-15	05-20-96	19.19	5.31	13.88	ND	SW	0.007	05-21-96	Not sampled: well sampled semi-annually, during the first and third quarters								
MW-15	08-26-96	19.19	6.05	13.14	ND	SSW	0.004	08-26-96	<50	<0.5	<0.5	<0.5	<0.5	8	--	--	--
MW-15	11-20-96	19.19	5.46	13.73	ND	SSE	0.004	11-20-96	Not sampled: well sampled semi-annually, during the first and third quarters								

Historical Groundwater Elevation and Analytical Data

ARCO Service Station 601
712 Lewelling Boulevard, San Leandro, California

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Well Designation	Water Level Field Date	Top of Casing Elevation	Depth to Water	Groundwater Elevation	Floating Product Thickness	Groundwater Flow Direction	Hydraulic Gradient	Water Sample Field Date	TPHG LUFT Method	Benzene EPA 8020	Toluene EPA 8020	Ethylbenzene EPA 8020	Total Xylenes EPA 8020	MTBE EPA 8020	MTBE EPA 8240	TRPH EPA 418.1	TPHD LUFT Method
		ft-MSL	feet	ft-MSL	feet	MWN	ft/ft		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

ft-MSL: elevation in feet, relative to mean sea level
MWN: ground-water flow direction and gradient apply to the entire monitoring well network
ft/ft: foot per foot
TPHG: total petroleum hydrocarbons as gasoline, California DHS LUFT Method
µg/L: micrograms per liter
EPA: United States Environmental Protection Agency
MTBE: Methyl-tert-butyl ether
TRPH: total recoverable petroleum hydrocarbons
TPHD: total petroleum hydrocarbons as diesel, California DHS LUFT Method
NR: not reported; data not available or not measurable
ND: none detected
SW: southwest
WSW: west-southwest
SSW: south-southwest
SSE: south-southeast
NW: northwest
DRY: dry well; groundwater was not detected
- - : not analyzed
^: chromatogram fingerprint is not characteristic of diesel
*: method reporting limit was raised due to: (1) high analyte concentration requiring sample dilution, or (2) matrix interference
**: [corrected elevation (Z')] = Z + (h * 0.73) where: Z = measured elevation, h = floating product thickness, 0.73 = density ratio of oil to water

RESNA
Working to Restore Nature

TABLE 3
APPROXIMATE CUMULATIVE PRODUCT RECOVERED
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

Year	Floating Product Recovered (gallons)
1991	TOTAL: 3.43
1992	TOTAL: 0.02
1993	TOTAL: 0
1991 + 1992 + 1993	TOTAL: 3.45

* = No product removed as the storage drum for product had been removed from the site.
(0.01) = 0.01 feet of product present

See notes on page 15 of 15

APPENDIX C

Soil Boring and Well Construction Logs

Total depth of boring: 15-1/2 feet **Diameter of boring:** 6 inches **Date drilled:** 8-2-89

Casing diameter: N/A **Length:** N/A **Slot size:** N/A

Screen diameter: N/A **Length:** N/A **Material type:** N/A

Drilling Company: Exploration Geoservices **Driller:** Mike & Nevel

Method Used: Hollow-Stem Auger **Field Geologist:** Steve Bittman

Signature of Registered Professional: _____

Registration No.: 1264 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (6 inches) over baserock (6 inches).	
2	S-2	6 7 12	85	CH	Silty clay, dark gray, damp, medium to high plasticity, very stiff, noticeable product odor.	
4						
	S-5	4 8 12	500		Obvious product odor.	
6						
8						
10	S-10	7 12 18	500		Wet, free product.	
12				▽	11 a.m. 8/2/89	
					10 a.m.	
14	S-15	18 21 35	8	▽	Silty clay, brown, moist to wet, hard, high plasticity, noticeable product odor.	
16					Total Depth = 15-1/2 feet.	
18						
20						

Applied GeoSystems

PROJECT NO. 69034-1

LOG OF BORING B - 1

ARCO Service Station No. 601
Washington Avenue & Lewelling Blvd.
San Leandro, California

PLATE P - 4

Total depth of boring: 14-1/2 feet **Diameter of boring:** 6 inches **Date drilled:** 8-2-89

Casing diameter: N/A **Length:** N/A **Slot size:** N/A

Screen diameter: N/A **Length:** N/A **Material type:** N/A

Drilling Company: Exploration Geoservices **Driller:** Mike & Nevel

Method Used: Hollow-Stem Auger **Field Geologist:** Steve Bittman

Signature of Registered Professional:

Registration No.: 1264 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (6 inches) over baserock (6 inches).	
2	S-2	10 6 12	200	ML	Clayey silt, medium gray, damp, low to medium plasticity, very stiff, obvious product odor.	
4				CL	Silty clay with very fine sand, dark gray, damp to moist, medium plasticity, stiff, obvious product odor.	
	S-5	3 4 7	350			
6						
8				CH	Silty clay, dark gray, damp, high plasticity, stiff, noticeable product odor.	
10	S-10	6 4 8	22	▽	11:20 a.m. 8/2/89	
				▽	11 a.m.	
12						
14	S-14	12 25	12		Brown, moist to wet.	
					Total Depth = 14-1/2 feet.	
16						
18						
20						

Applied GeoSystems

PROJECT NO. 69034-1

LOG OF BORING B - 2

ARCO Service Station No. 601
Washington Avenue & Lewelling Blvd.
San Leandro, California

PLATE P - 5

Total depth of boring: 10-1/2 feet **Diameter of boring:** 6 inches **Date drilled:** 8-2-89

Casing diameter: N/A **Length:** N/A **Slot size:** N/A

Screen diameter: N/A **Length:** 10-1/2 feet **Material type:** N/A

Drilling Company: Exploration Geoservices **Driller:** Mike & Nevel

Method Used: Hollow-Stem Auger **Field Geologist:** Steve Bittman

Signature of Registered Professional:

Registration No.: 1264 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (6 inches) over baserock (6 inches).	
2	S-2	6 10 15	40	ML	Clayey silt, medium gray with green, damp, low plasticity, very stiff, noticeable product odor.	
4				CH	Silty clay, gray, damp, high plasticity, very stiff, noticeable product odor.	
	S-5	6 8 10	70			
6						
8						
10	S-10	6 12 18	350		Dark gray, high plasticity, very stiff, obvious product odor	
					Total Depth = 10-1/2 feet.	
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT NO. 69034-1

LOG OF BORING B - 3

ARCO Service Station No. 601
Washington Avenue & Lewelling Blvd.
San Leandro, California

PLATE P - 6

Total depth of boring: 10-1/2 feet **Diameter of boring:** 6 inches **Date drilled:** 8-2-89

Casing diameter: N/A **Length:** N/A **Slot size:** N/A

Screen diameter: N/A **Length:** N/A **Material type:** N/A

Drilling Company: Exploration Geoservices **Driller:** Mike & Nevel

Method Used: Hollow-Stem Auger **Field Geologist:** Steve Bittman

Signature of Registered Professional:

Registration No.: 1264 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (6 inches) over baserock (6 inches).	
2	S-2	7 10 15	50	SC	Clayey sand, medium gray, damp, low plasticity, medium dense, noticeable product odor.	
				CL	Sandy clay, medium gray, damp, medium plasticity, very stiff, noticeable product odor.	
4		7				
	S-5	10 15	100			
6						
8				CH	Silty clay, dark gray, damp, hard, high plasticity, obvious product odor.	
		10				
10	S-10	18 20	400			
					Total Depth = 10-1/2 feet.	
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT NO. 69034-1

LOG OF BORING B - 4

ARCO Service Station No. 601
Washington Avenue & Lewelling Blvd.
San Leandro, California

PLATE P - 7

Total depth of boring: 10-1/2 feet **Diameter of boring:** 6 inches **Date drilled:** 8-2-89

Casing diameter: N/A **Length:** N/A **Slot size:** N/A

Screen diameter: N/A **Length:** N/A **Material type:** N/A

Drilling Company: Exploration Geoservices **Driller:** Mike & Nevel

Method Used: Hollow-Stem Auger **Field Geologist:** Steve Bittman

Signature of Registered Professional: _____

Registration No.: 1264 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (6 inches) over baserock (6 inches).	
2	S-2	6 10 24	15	CL	Sandy clay, dark gray with gray, damp, medium plasticity, very stiff, obvious product odor.	
4				CH	Silty clay, dark gray, damp, high plasticity, very stiff, obvious product odor.	
	S-5	6 8 10	400			
6						
8						
10	S-10	10 17 13	750+			
					Total Depth = 10-1/2 feet.	
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT NO. 69034-1

LOG OF BORING B - 5

ARCO Service Station No. 601
Washington Avenue & Lewelling Blvd.
San Leandro, California

PLATE P - 8

Depth of boring: 17 feet **Diameter of boring:** 10 inches **Date drilled:** 6-28-90

Well depth: 12 feet **Material type:** Sch 40 PVC **Casing diameter:** 4 inches

Screen interval: 7 to 12 feet **Slot size:** 0.020-inch

Drilling Company: Exploration Geo **Driller:** Doug Davidson

Method Used: Hollow-Stem Auger **Field Geologist:** Mike Barminski

Signature of Registered Professional: Diane M. Buckley

Registration No.: EG 1366 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt over baserock.	
2				CL	Gravelly clay, brown, moist, low to medium plasticity, stiff: fill.	
		10 12 14		CL	Sandy clay, gray, moist, low plasticity, very stiff; obvious product odor.	
4	S-4.5	7 9 13	330			
6	S-6	14 18 24	201			
	S-7.5	7 10 16	337			
8	S-9	12 15 30	354	SC	[redacted], fine-grained, gray, [redacted] medium dense; [redacted] product odor.	
10	S-10.5	8 20 30	437	CL	Sandy clay, gray, [redacted] low to medium plasticity, very stiff; [redacted] odor.	
12	S-12	14 20 30	878	SC	Clayey sand, fine-grained, brown, [redacted] medium dense; [redacted] product odor.	
	S-13.5	6 7 16	320	CL	Silty clay, gray to black, [redacted] medium plasticity, hard; noticeable product odor.	
14	S-15	13 27 42	60			
16	S-16.5		143			
18					Total Depth = 17 feet.	
20						

Applied GeoSystems

PROJECT: 69034-2

LOG OF BORING B-6/[redacted]

ARCO Service Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
4

Depth of boring: 16-1/2 feet **Diameter of boring:** 10 inches **Date drilled:** 6-28-90

Well depth: 12 feet **Material type:** Sch 40 PVC **Casing diameter:** 4 inches

Screen interval: 8 to 12 feet **Slot size:** 0.020-inch

Drilling Company: Exploration Geo **Driller:** Doug Davidson

Method Used: Hollow-Stem Auger **Field Geologist:** Mike Barminski

Signature of Registered Professional: Diane M Barclay

Registration No.: EG 1366 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt over baserock.	
				CL	Gravelly clay, brown, moist, low to medium plasticity, stiff: fill.	
2		6		CL	[redacted], dark gray, [redacted], low to medium plasticity, very stiff.	
		10				
	S-3	15	7.9			
4		6				
	S-4.5	10	6.8			
		16				
6						
8						
		9				
		11				
10	S-10	19	300	SC	[redacted] fine-grained, dark gray, [redacted] medium dense.	
12		12		CL	[redacted], dark gray, [redacted] medium to low plasticity, hard.	
		17				
	S-12.5	30	21.6			
		6				
		16				
14	S-14	27	12.5			
		5				
		7				
16	S-16	9	47		With bioturbations or former root stringers now filled with silty sand and [redacted]	
					Total Depth = 16-1/2 feet.	
18						
20						

Applied GeoSystems

PROJECT: 69034-2

LOG OF BORING B-[redacted]

ARCO Service Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 5

Depth of boring: 16-1/2 feet **Diameter of boring:** 10 inches **Date drilled:** 6-28-90

Well depth: 12 feet **Material type:** Sch 40 PVC **Casing diameter:** 4 inches

Screen interval: 8 to 12 feet **Slot size:** 0.020-inch

Drilling Company: Exploration Geo **Driller:** Doug Davidson

Method Used: Hollow-Stem Auger **Field Geologist:** Mike Barminski

Signature of Registered Professional: Diane M. Barclay

Registration No.: EG 1366 **State:** CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt over baserock.	
				CL	Gravelly clay, brown, moist, low to medium plasticity, very stiff; fill.	
2		7 7		CL	[redacted], dark gray, moist, low to medium plasticity,	
	S-3	12	95		very stiff; noticeable product odor.	
4		10				
		9				
6		8				
	S-6	10	106	SC	[redacted], fine-grained, dark gray, [redacted], medium dense; [redacted] product odor.	
		13				
8	S-7.5	23	634	CL	[redacted], dark gray, [redacted], low to medium plasticity, very stiff; [redacted] product odor.	
		11				
		13		SC	[redacted], fine-grained, dark gray, [redacted], medium	
	S-9	20	875		dense; [redacted] product odor.	
10		7		CL	[redacted], dark gray, [redacted], medium plasticity, very	
	S-10	10	27		stiff; [redacted] product odor.	
		36		SC	[redacted], fine-grained, dark gray, [redacted], medium dense;	
		9			[redacted] product odor.	
12		10				
	S-12	20	0.2	CL	[redacted], drak gray, moist, medium plasticity, very stiff;	
		6			some gravelly light brown silty layers; [redacted]	
		21			[redacted] odor.	
14	S-13.5	22	1.0			
		7				
		12				
16	S-16	18	2.0			
					Total Depth = 16-1/2 feet.	
18						
20						

Applied GeoSystems

PROJECT: 69034-2

LOG OF BORING B-8[redacted]

ARCO Service Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
6

Depth of boring: 18 feet Diameter of boring: 8 inches Date drilled: 5-29-91

Well depth: 9 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 6 to 9 feet Slot size: 0.020-inch

Drilling Company: H.E.W. Drilling Co. Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Phil Mayberry

Signature of Registered Professional: J E Toman

Registration No. RCE 044600 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Paved area.	
0					Asphalt 6 inches.	
				GC	Clayey gravel, brown, damp, medium dense: fill (baserock).	
2					Native soil at 1-1/2 feet.	
				CL	Silty clay, dark gray, damp, medium plasticity, stiff; noticeable product odor.	
4	S-5.5	2 6 7	257			
				ML	Clayey silt, gray, moist, low plasticity, stiff; noticeable product odor.	
6	S-7	2 4 7	609	▽		
				SC	Clayey sand, fine-grained, gray, wet, medium dense; noticeable product odor.	
8	S-8.5	4 6 10	692	CL	Silty clay, dark gray, damp, medium plasticity, stiff.	
	S-10	3 6 8	179			
10	S-11.5	5 9 13	55.7		Color change to brown, very stiff.	
12	S-13	4 9 14	20			
	S-14.5	5 10 12	219			
14		5 10 13	35.1			
16	S-17.5	6 10 13	0		Color change to light brown.	
18					Total Depth = 18 feet.	
20						

RESNA

PROJECT: 69034.04

LOG OF BORING B-9/MW-4

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 5

Depth of boring: 19-1/2 feet Diameter of boring: 8 inches Date drilled: 5-30-91

Well depth: 10-1/2 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 6 to 10-1/2 feet Slot size: 0.020-inch

Drilling Company: H.E.W. Drilling Co. Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Phil Mayberry

Signature of Registered Professional: [signature]

Registration No. RCE 044600 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Paved area.	
0					Asphalt 6 inches.	
				GC	Clayey gravel, brown, damp, medium dense: fill (baserock).	
2				CL	Silty clay, dark gray, damp, medium plasticity, stiff: native soil.	
4						
	S-5.5	2 4 5	587	SC	Clayey sand, dark gray, damp, loose; noticeable product odor.	
6		6				
	S-7.5	7 8	747	▽	Medium dense, wet; obvious product odor.	
8		2			Silty clay, dark gray, damp, medium plasticity, stiff; noticeable	
	S-9	3 8	232	CL	product odor.	
10	S-10	3 4 7	664	SC	Clayey sand, fine-grained, moist, loose, noticeable product odor.	
				CL	Silty clay, dark brown, damp, medium plasticity, stiff; obvious	
12					product odor.	
14						
		4				
16	S-16	8 9	51		Very stiff.	
	S-17	4 7 9	20	SC	Clayey sand, with fine gravel, light brown, damp, dense.	
18		3				
	S-18.5	5 7	83	▽	5/30/91 Moist, medium dense.	
20					Total Depth = 19-1/2 feet.	

RESNA

PROJECT: 69034.04

LOG OF BORING B-10/MW-5

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 6

Depth of boring: 15-1/2 feet Diameter of boring: 8 inches Date drilled: 5-30-91

Well depth: 9 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 5-1/2 to 9 feet Slot size: 0.020-inch

Drilling Company: H.E.W. Drilling Co. Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Phil Mayberry

Signature of Registered Professional:

Registration No. RCE 044600 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Paved area.	
0					Asphalt 6 inches.	
				GC	Clayey gravel, brown, damp, medium dense: fill (baserock).	
2				CL	Silty clay, dark gray, damp, soft; bay mud.	
4						
6	S-5.5	1 2 3	86	SM	Silty sand, dark gray, damp, loose; noticeable product odor.	
	S-7.5	3 4 4	153	▽		
8	S-8.5	2 3 7	838	CL	Silty clay, dark gray, damp, medium plasticity, firm; with lenses of silty sand; obvious product odor.	
10	S-10.5	2 5 7	240	CL	Silty clay, brown-gray, damp, medium plasticity, stiff.	
12	S-12	7 9 13	254		Very stiff.	
	S-13.5	3 6 9 9	12		Stiff.	
14	S-15	11 14	0		Very stiff.	
16					Total Depth = 15-1/2 feet.	
18						
20						

RESNA

PROJECT: 69034.04

LOG OF BORING B-11/MW-6

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 8

Depth of boring: 16-1/2 feet Diameter of boring: 8 inches Date drilled: 5-30-91

Well depth: NA Material type: NA Casing diameter: NA

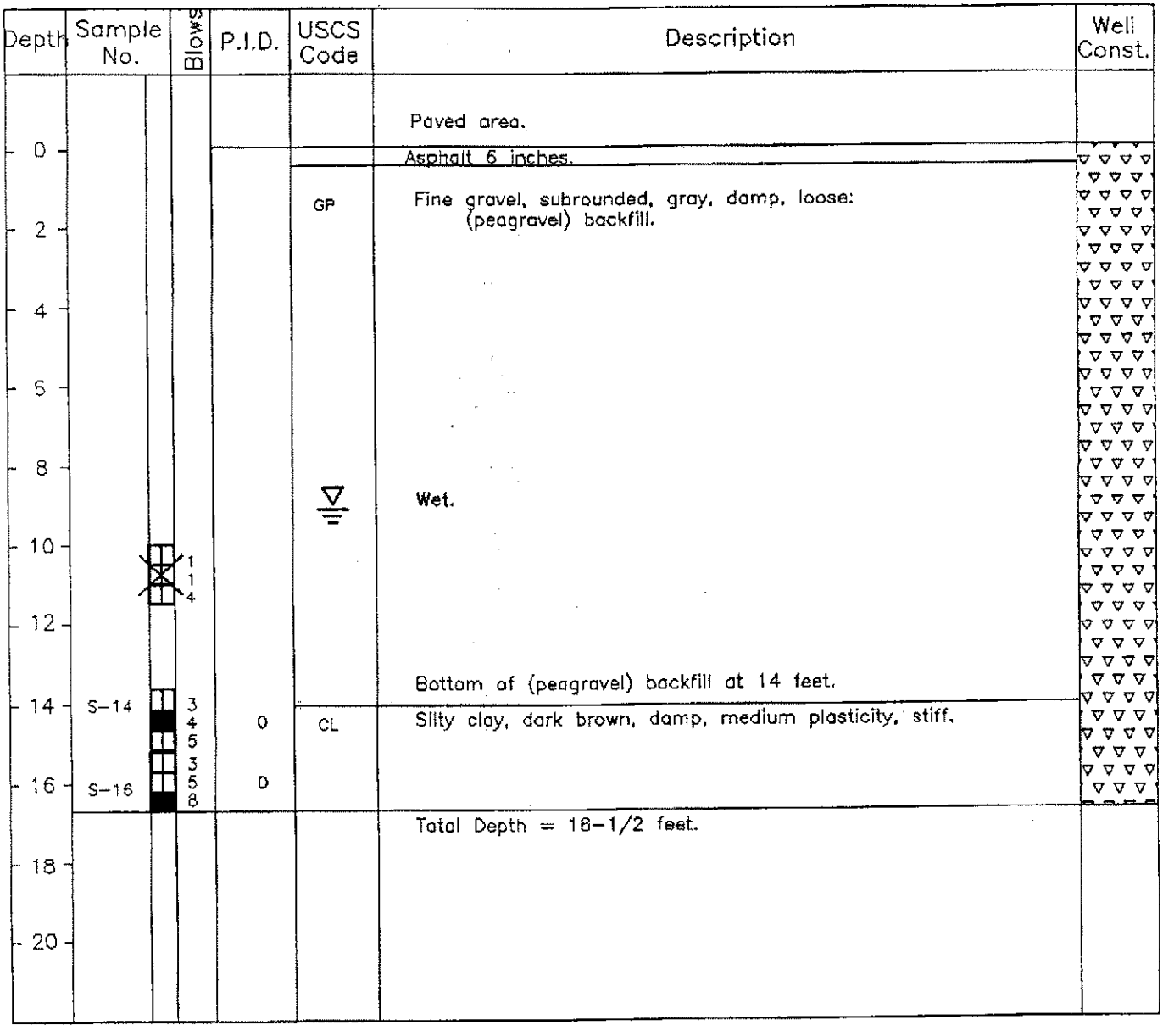
Screen interval: NA Slot size: NA

Drilling Company: H.E.W. Drilling Co. Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Phil Mayberry

Signature of Registered Professional: _____

Registration No.: _____ State: _____



RESNA

PROJECT: 69034.04

LOG OF BORING B-11A

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 7

Depth of boring: 15-1/2 feet Diameter of boring: 8 inches Date drilled: 5-29-91

Well depth: 10-1/2 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 7 to 10 feet Slot size: 0.020-inch

Drilling Company: H.E.W. Drilling Co. Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Phil Mayberry

Signature of Registered Professional:

Registration No. RCE 044600 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Paved area.	
0					Asphalt 6 inches.	
				GC	Clayey gravel, brown, damp, medium dense: fill (baserock).	
2					Bottom of fill (baserock) at 2-1/2 feet.	
4				SM	Silty sand, fine-grained, brown, damp, loose: native soil.	
	S-6	3 2 3	0			
6	S-7.5	2 5 5	0			
				CL	Silty clay, brown, damp, medium plasticity, stiff. Color change to dark gray.	
8	S-8.5	3 3 4	635	▽ SM	Silty sand, brown mottled with gray, wet, loose; obvious product odor; sheen on the sample.	
		0 4 7				
10	S-10.5	7 5 8	322	CL	Silty clay, gray, damp, medium plasticity, stiff; noticeable product odor.	
	S-12	12 5 8	55		Very stiff.	
12	S-13.5	12 4 6	0			
14	S-14.5	9	0			
16					Total Depth = 15-1/2 feet.	
18						
20						

RESNA

PROJECT: 69034.04

LOG OF BORING B-12/MW-7

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 9

Depth of boring: 15-1/2 feet Diameter of boring: 8 inches Date drilled: 5-29-91

Well depth: 10-1/2 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 6-1/2 to 10-1/2 feet Slot size: 0.020-inch

Drilling Company: H.E.W. Drilling Co. Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Phil Mayberry

Signature of Registered Professional:

Registration No. RCE 044600 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Paved area.	
0					Asphalt 6 inches.	
				GC	Clayey gravel, brown, damp, medium dense: fill (baserock).	
2				SM	**Silty sand**, fine-grained, gray, moist, loose.	
4	S-5.5	2 2 3	38.2			
6				CL	**Silty clay**, gray, moist, medium plasticity, firm.	
8	S-8.5	2 4 4	381	SM ▽	**Silty sand**, fine-grained, gray, moist, loose; noticeable product odor.	
				SC ⏚	**Clayey sand**, fine-grained, brown mottled with gray, wet, loose.	
10	S-11	3 6 7	7.6	CL	**Silty clay**, dark brown, damp, low to medium plasticity, stiff.	
12	S-13	6 7 11	5			
14	S-15	4 7 11	0			
16					Total Depth = 15-1/2 feet.	
18						
20						

RESNA

PROJECT: 69034.04

LOG OF BORING B-13/MW-8

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 10

Depth of boring: 15-1/2 feet Diameter of boring: 12 inches Date drilled: 10/12/92

Well depth: 12 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 7 to 12 feet Filter pack: #3 Sand Slot size: 0.020-inch

Drilling Company: Exploration GeoServices Driller: John and Mike

Method Used: Hollow-Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt-covered surface.	
					Asphalt (6 inches).	
				GP	Sandy gravel, angular, brown, damp, medium dense: baserock.	
2				CL	Silty clay, dark brown, damp, medium plasticity, stiff.	
4						
		5			Gray to olive.	
6	S-6	8 11	MALFUNCTIONING			
8	S-8	4		SP	Sand, fine-grained, gray, moist to wet, loose; strong hydrocarbon odor.	
		4 4				
		4		CL	Silty clay with sand, dark brown and olive, moist, medium plasticity, stiff; strong hydrocarbon odor.	
10	S-10	4 8				
		11 7			Dark gray, damp; strong hydrocarbon odor.	
12	S-12	11 24				
		4 6				
14		13				
		4 9				
	S-15.5	10				
16					Total depth = 16 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.10

LOG OF BORING B-16/MW-11

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 4

Depth of boring: 14-1/2 feet Diameter of boring: 12 inches Date drilled: 10/12/92

Well depth: 12-1/2 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 7-1/2 to 12-1/2 feet Filter pack: #3 Sand Slot size: 0.020-inch

Drilling Company: Exploration GeoServices Driller: John and Mike

Method Used: Hollow-Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional: Deine M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt-covered surface.	
					Asphalt (6 inches).	
				GP	Sandy gravel, angular, brown, damp, medium dense: baserock.	
2				ML	Clayey silt, trace sand, dark brown to olive, damp, medium plasticity, stiff.	
4						
	S-5.5	3 5 9	6.3			
6						
	S-7.5	5 8 11	10.6	CL	Silty clay, dark brown to olive, damp to very moist, medium plasticity, stiff; **root holes.**	
8					Color change to dark gray.	
	S-9	8 10 15	2.1		▽	
	S-9.5			SM	Silty sand, fine-grained, brown, **wet**, medium dense.	
10		4 8 14		CL	Silty clay, brown to gray, damp to wet, medium plasticity very stiff; **root fibers.**	
	S-12	6 8 13	2.1			
12	S-12.5					
	S-14	6 10 13	0			
14					Total depth = 14-1/2 feet.	
16						
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.10

LOG OF BORING B-17/MW-12
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 5

Depth of boring: 16-1/2 feet Diameter of boring: 8 inches Date drilled: 11/9/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Exploration GeoServices Driller: Dave and Dennis

Method Used: Hollow-Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional: Diane M. Sawley

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
			MALFUNCTIONING		Concrete (4-1/2 inches).	
				SM	Silty sand, gray, damp, dense.	
2				CL	Silty clay, gray to olive, damp, medium plasticity, soft.	
4	S-5	1 2 3				
6					Brown.	
	S-7.5	2 3 4 4 5 6		SC	Clayey sand, brown, very moist, loose; root fibers.	
8				CL		
10		4 5 5 6			Silty clay, dark brown, damp, medium plasticity, dense; root fibers.	
	S-11	6 6 7 7		SP	Sand, fine-grained, brown, wet, medium dense.	
12				CL		
14		4 6 8 7 7			Silty clay, dark brown, damp, medium plasticity, stiff.	
16	S-16	8				
					Total depth = 16-1/2 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.10

LOG OF BORING B-18/MW-13
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 6

Depth of boring: 16 feet Diameter of boring: 8 inches Date drilled: 8/7/92

Well depth: 13-1/2 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 7-1/2 to 13-1/2 feet Filter pack: #3 Sand Slot size: 0.020-inch

Drilling Company: Bayland Drilling Driller: Mike and Cliff

Method Used: Hollow-Stem Auger Field Geologist: Lou Leet

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
				GP	Asphalt.	
				SP/SW	Sandy gravel, gravel to 1-1/2", fine- to coarse-grained sand, brown, damp, dense: baserock.	
2				ML	Clayey silt, dark brown, moist, low to medium plasticity, stiff.	
4		3 2 2 1 3 3 3 5 5	0			
6						
			0	SM	Silty sand, fine- to medium-grained, light brown, **wet**, loose to medium dense.	
8	S-7.5	5 1 4 4 3 5 5 1		ML	Clayey silt, brown, very moist, medium plasticity, firm.	
			0	SC	Clayey sand, with silt, fine-grained, brown, moist, loose to medium dense.	
10	S-10		0			
				ML	Clayey silt, gray-brown, moist, medium plasticity, firm.	
12		2 3 2 2 2 2	0	SM	Silty sand, fine- to medium-grained, light brown, **wet**, loose.	
			0	CL	Silty clay, gray-brown, moist, medium plasticity, stiff to very stiff.	
14	S-14					
	S-15.5					
16					Total Depth = 16 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.10

LOG OF BORING B-19/MW-14

ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 7

Depth of boring: 17-1/2 feet Diameter of boring: 8 inches Date drilled: 10/12/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Exploration GeoServices Driller: John and Mike

Method Used: Hollow-Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Asphalt-covered surface.	
0					Asphalt (6 inches).	
				GP	Sandy gravel, brown, damp, dense: baserock.	
2				CL	Silty clay, dark brown to gray, damp, medium plasticity, stiff.	
4	S-4.5	7 7 8				
				SP	Sand, fine- to medium-grained, olive, damp, medium dense.	
6				CL	Silty clay, olive, moist, medium plasticity, very stiff; **strong hydrocarbon odor.**	
8	S-7.5	11 10 13	MALFUCTIONING			
				SP	Sand, medium-grained, olive, very moist to wet, medium dense; **strong hydrocarbon odor.**	
10	S-10.5	7 8 12		CL	Silty clay with sand, dark gray to olive, damp to moist, medium plasticity; **hydrocarbon odor.**	
12						
	S-13.5	10 15 16			Color change to dark brown; no noticeable odor.	
14						
16	S-17	5 13 16				
18					Total depth = 17-1/2 feet.	
20						

RESNA
Working to Restore Nature

PROJECT 69034.10

LOG OF BORING B-20
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
8

Depth of boring: 17–1/2 feet Diameter of boring: 8 inches Date drilled: 10/12/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Exploration GeoServices Driller: John and Mike

Method Used: Hollow–Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Asphalt–covered surface.	
0					Asphalt (6 inches).	
				GP	Sandy gravel, brown, damp, dense: baserock.	
2				CL	Silty clay, dark brown to olive, damp, medium plasticity, stiff.	
4	S–4.5	3 6 10				
				SP	Sand, medium–grained, gray to olive, damp, medium dense; hydrocarbon odor.	
6				CL	Silty clay, olive, damp, medium plasticity, stiff.	
	S–7.5	5 7 9		SP	Sand, medium–grained, olive, wet, medium dense; strong hydrocarbon odor.	
8						
10	S–10.5	5 11 13	MALFUNCTIONING	CL	Silty clay, dark gray, moist to wet, medium plasticity, very stiff; slight hydrocarbon odor.	
12						
	S–13.5	8 13 17				
14						
16	S–16.5	7 11 16				
18					Total depth = 17–1/2 feet.	
20						

RESNA
Working to Restore Nature

PROJECT 69034.10

LOG OF BORING B–21
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
9

Depth of boring: 17-1/2 feet Diameter of boring: 8 inches Date drilled: 10/12/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Exploration GeoServices Driller: John and Mike

Method Used: Hollow-Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Asphalt-covered surface.	
0					Asphalt (6 inches).	
				GP	Sandy gravel, brown, damp, dense: baserock.	
2						
				GC	Sandy gravel with silt, brown to olive, damp, medium dense; **strong hydrocarbon odor.**	
4	S-4.5	5 20 5				
6						
	S-7.5	5 6 4				
8						
10	S-10.5	10 3 4		SP	Sand with gravel, medium- to coarse-grained, black, **wet, loose.**	
				CL	Silty clay, olive, damp, medium plasticity, stiff.	
12						
	S-13.5	7 10 13			**Slight hydrocarbon odor.**	
14						
	S-16.5	4 14 15				
16						
18					Total depth = 17-1/2 feet.	
20						

MALFUNCTIONING

RESNA
Working to Restore Nature

PROJECT 69034.10

LOG OF BORING B-22
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
10

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/27/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydraulic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
				SW	Sand, medium-grained, brown, damp, dense; PG&E trench backfill.	
2						
4						
	S-5.5			CL	Silty clay, dark brown to olive-brown, damp, medium plasticity, medium stiff.	
6						
8	S-8.5			▽		
10						
12	S-12.5				Trace sand and gravel.	
14						
	S-15.5					
16					Total depth = 16 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.11

LOG OF BORING B-23
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 4

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/27/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydralic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (6 inches).	
				GP	Sandy gravel, brown, dry, dense: baserock.	
2	S-2.5			CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff;	
4	S-4.5					
6	S-6.5			▽		
				SW	Sand, medium-grained, olive, wet, dense; odor.	
8				CL	Silty clay, dark brown to gray, damp, medium plasticity, stiff.	
10					With sand.	
12						
14					Trace gravel.	
16	S-15.5				Total depth = 16 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.11

LOG OF BORING B-24
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 5

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/28/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydralic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (6 inches).	
				GP	Sandy gravel, brown, dry, dense: baserock.	
2	S-2.5			CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff; odor.	
4						
	S-5.5					
6	S-6.5					
				SW	Sand, medium-grained, olive, **wet**, dense; odor.	
8				CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff; odor.	
10						
12						
14						
	S-15.5					
16					Total depth = 16 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.11

LOG OF BORING B-25
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
6

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/28/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydraulic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (6 inches).	
2				GP	Sandy gravel, brown, dry, dense; baserock.	
4	S-3			CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff;	
6	S-6.5			▽		
8				SW	Sand, medium-grained, olive, wet, dense; odor.	
				CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff; odor.	
10				SC	Clayey sand, brown to olive, very moist, dense;	
12				CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff.	
14						
16	S-15.5				Total depth = 16 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.11

LOG OF BORING B-26
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 7

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/28/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydraulic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional: _____

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (6 inches).	
				GW	Sandy gravel, brown, dry, dense; baserock.	
2				CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff;	
	S-3					
4						
6	S-6				▽	
				SW	Sand, medium-grained, olive, wet, dense; odor.	
8				CL	Silty clay, dark brown, damp, medium plasticity, stiff; odor.	
10	S-10					
				SC	Clayey sand, olive, moist, dense;	
12				CL	Silty clay, dark brown, damp, medium plasticity, stiff.	
14						
	S-15.5					
16					Total depth = 16 feet.	
18						
20						

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PROJECT 69034.11

LOG OF BORING B-27
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
8

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/27/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydraulic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (6 inches).	
				GW	Sandy gravel, brown, dry, dense; baserock.	
2						
	S-3			CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, medium stiff; odor.	
4	S-4.5					
6						
8						
	S-9			SW	Sand, medium-grained, brown, damp, dense; odor.	
10	S-10.5			CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff; odor.	
				SC	Clayey sand, brown, wet, dense; odor.	
12				CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff.	
14						
	S-15.5					
16					Total depth = 16 feet.	
18						
20						

RESNA
Working to Restore Nature

PROJECT 69034.11

LOG OF BORING B-28
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 9

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/27/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydraulic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (6 inches).	
				GW	Sandy **gravel**, brown, dry, dense; baserock.	
2						
	S-3			CL	Silty **clay**, dark brown, damp, medium plasticity, medium stiff; odor.	
4						
6	S-6.5					
8						
	S-9.5					
10				SW	Sand, medium-grained, brown, **wet**, loose;	
				CL	Silty **clay**, dark brown, damp, medium plasticity, stiff;	
12						
				SW	Sand, medium-grained, brown to olive, **wet**, dense;	
14				CL	Silty **clay**, dark brown to olive-gray, damp, medium plasticity, stiff.	
	S-15.5					
16					Total depth = 16 feet.	
18						
20						

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Working to Re-tore Nature

PROJECT 69034.11

LOG OF BORING B-29
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
10

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/27/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydrailic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (6 inches).	
				GW	Sandy gravel, brown, dry, dense: baserock.	
2						
	S-3			CL	Silty clay, dark brown, damp, medium plasticity, stiff; odor.	
4						
6	S-6					
8						
	S-9.5			▽		
10				SW	Sand, medium-grained, brown, wet, dense;	
				CL	Silty clay, dark brown, damp, medium plasticity, stiff.	
12						
14						
	S-15.5					
16					Total depth = 16 feet.	
18						
20						

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Working to Restore Nature

PROJECT 69034.11

LOG OF BORING B-30
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
11

Depth of boring: 16 feet Diameter of boring: 2 inches Date drilled: 10/28/92

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Filter pack: N/A Slot size: N/A

Drilling Company: Precision Sampling Driller: Don and Jose

Method Used: Hydraulic Sampler Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (6 inches).	
				GW	Sand gravel, brown, dry, dense: baserock.	
2				CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, very stiff;	
4	S-3.5					
6	S-6		▽			
	S-7			SW	Sand, medium-grained, brown, wet; strong odor.	
	S-7.5			CL	Silty clay, dark brown to olive-gray, damp, medium plasticity, stiff; odor.	
8						
10						
12						
14						
	S-15.5					
16					Total depth = 16 feet.	
18						
20						

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PROJECT 69034.11

LOG OF BORING B-31
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
12

Depth of boring: 9 feet Diameter of boring: 8 inches Date drilled: 3/12/93

Well depth: NA Material type: NA Casing diameter: NA

Screen interval: NA Slot size: NA

Drilling Company: Exploration GeoServices Driller: John and Dan

Method Used: Hollow-Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Concrete sidewalk 6 inches.	
				GW	Sandy gravel, red brown, damp, dense: baserock.	
2				ML	Clayey silt trace sand, dark brown, damp, medium to low plasticity, stiff.	
	S-3.5	3 6 8	MALFUNCTION			
4					Rootlets.	
				CL	Silty clay, dark brown to black, damp to wet, medium plasticity, firm to stiff.	
6	S-6.5	5 9 16				
8	S-8.5	9 19 22		▽		
					Bottom of boring = 9 feet. Water in shoe.	
10						
12						
14						
16						
18						
20						

PROJECT: 69034.08

LOG OF BORING B-32A
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 4

Depth of boring: 10-1/2 feet Diameter of boring: 8 inches Date drilled: 03/12/93

Well depth: 10-1/2 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 5-1/2 to 10-1/2feet Slot size: 0.020-inch

Drilling Company: Exploration GeoServices Driller: John and Dan

Method Used: Hollow-Stem Auger Field Geologist: Erin McLucas

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
			MALFUNCTION		Concrete sidewalk 6 inches.	
				GW	Sandy gravel, reddish brown, damp, dense: baserock.	
2				ML	Clayey silt, dark brown, damp, medium plasticity, very stiff; rootlets.	
4	S-4	7 7 12				
6		4 6 12		CL	Silty clay, dark brown with tan mottling, very moist to wet, medium plasticity, very stiff.	
8		9 10 23		SC	Clayey sand, brown, wet, dense.	
10	S-10	6 15 20		CL	Silty clay, dark brown, damp, medium plasticity, hard.	
					Total Depth = 10-1/2 feet.	
12						
14						
16						
18						
20						

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PROJECT: 69034.08

LOG OF BORING B-32B/MW-15
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 5

Depth of boring: 19-1/2 feet Diameter of boring: 8 inches Date drilled: 5/27/93

Well depth: 19-1/2 feet Material type: SCH 40 PVC Casing diameter: 2 inches

Screen interval: 6-1/2 to 19-1/2 feet Slot size: 0.020-inch

Drilling Company: Exploration GeoServices Driller: John

Method Used: Hollow-Stem Auger Field Geologist: Zbig Ignatowicz

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt over base course (sand and gravel).	
2				CL	Silty clay, very dark grayish-brown, moist, medium plasticity, very stiff, ~ 15% fine sand.	
4		4				
6	S-6	8 10	3.8	SM	Silty sand, fine sand, olive-brown, wet, medium dense.	
8						
10		7				
	S-11	10 15	2.8			
12						
				ML	Clayey silt, very dark gray, wet, low plasticity, stiff; organic roots.	
14		4				
16	S-16	5 7	2.2			
18		8		CH	Silty clay, very dark gray, damp, high plasticity, hard; organic roots.	
		10 11				
20					Total Depth = 19-1/2 feet.	

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PROJECT: 69034.08

LOG OF BORING B-34/MW-9
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 6

Depth of boring: 16-1/2 feet Diameter of boring: 8 inches Date drilled: 5/27/93

Well depth: 16-1/2 feet Material type: SCH 40 PVC Casing diameter: 2 inches

Screen interval: 6-1/2 to 16-1/2 feet Slot size: 0.020-inch

Drilling Company: Exploration GeoServices Driller: John

Method Used: Hollow-Stem Auger Field Geologist: Zbig Ignatowicz

Signature of Registered Professional:

Registration No.: CEG 1463 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt over base course (sand and gravel).	
2				CL	Silty clay, very dark grayish-brown, moist, medium plasticity, stiff, ~ 15% fine sand.	
4		4 5				
6	S-6	7	0	SM	Silty sand, dark brown and dark yellowish-brown, wet, medium dense.	
8					▽	
10		5 8				
12	S-11	9	3.4			
14				CL/CH	Silty clay, very dark gray, damp, medium to high plasticity, stiff, ~ 5% fine sand, localized fine gravel, rootholes and roots present.	
16		15 22 31	3.5			
18					Total Depth = 16-1/2 feet.	
20						

RESNA Working to Restore Nature

PROJECT: 69034.08

LOG OF BORING B-33/MW-10
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 7

SOIL BORING LOG Boring No. B-1 Sheet 1 of 3

Client: ARCO Station No. 601
Address: 712 Lewelling Boulevard
San Leandro, CA
Project No.: E-601
Logged By: Scott Bittinger

Date: 11/30/2006
Driller: RSI Drilling rig type: Geoprobe 6600
Drilling Foreman: Jose
Method: Dual-cased direct push hole diam.: 2"

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Construct.	Depth Scale	LITHO COLUMN	Descriptions of Materials and Conditions	PID (PPM)
						1		asphalt surface	
						2			
						3		Upper 5' of borehole not logged during air knife clearing...material observed to be sandy fill with asphalt and concrete pieces	
						4			
						5			
						6		very poor recovery 5' to 8' bgs	
						7			
						8			
						9	CL	CLAY, very dark gray, moist (8'-9')	
						10	CL	CLAY, dark grayish brown, 3% very fine grained sand, moist (9'-11.5')	
S	B1-11		8:42			11			0.5
						12			
						13			
						14			
S	B1-15		8:45			15	CL	CLAY, very dark gray, dry (11.5'-21')	0.5
						16			
						17			
						18			
						19			
S	B1-19		8:48			20			0.7

Comments:

SOIL BORING LOG Boring No. B-1 Sheet 2 of 3

Client: ARCO Station No. 601
Address: 712 Lewelling Boulevard
San Leandro, CA
Project No.: E-601
Logged By: Scott Bittinger

Date: 11/30/2006
Driller: RSI Drilling rig type: Geoprobe 6600
Drilling Foreman: Jose
Method: Dual-cased direct push hole diam.: 2"

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Construct.	Depth Scale	LITHO COLUMN	Descriptions of Materials and Conditions	PID (PPM)
						21	CL	CLAY, very dark gray, dry (11.5'-21')	
						22	CL	CLAY, light olive brown, moist (21'-22')	
						23	CL	CLAY, light gray, moist (22'-22.7')	
S	B1-23		8:52			24	CL	CLAY with SAND, light olive brown, 5-10% very fine grained sand, moist (22.7'-24.5')	0.5
						25			
						26	CL	SANDY CLAY, light olive brown, 20% very fine grained sand, 80% clay, moist (24.5'-26.5')	
						27	SC	CLAYEY SAND light olive brown, 55% very fine grained sand, 45% clayey fines, damp (26.5'-27')	
S	B1-27		8:54			28			0.9
						29	CL	SILTY CLAY, light olive brown, dry (27'-33.5')	
						30			
						31			
S	B1-31		9:00			32			0.6
						33			
						34			
						35	CL	CLAY, light olive brown, moist (33.5'-35')	
S	B1-35		9:03			36			0.9
						37			
						38			
						39	CL	CLAY, dark gray, moist (35'-42')	
S	B1-39		9:05			40			0.5

Comments:

SOIL BORING LOG Boring No. B-1 Sheet 3 of 3

Client: ARCO Station No. 601
Address: 712 Lewelling Boulevard, San Leandro, CA
Project No.: E-601
Logged By: Scott Bittinger
Date: 11/30/2006
Driller: RSI Drilling rig type: Geoprobe 6600
Drilling Foreman: Jose
Method: Dual-cased direct push hole diam.: 2"

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Construct.	Depth Scale	LITHO COLUMN	Descriptions of Materials and Conditions	PID (PPM)
						41	CL	CLAY, dark gray, moist (35'-42')	
						42			
						43	CL	CLAY with SAND, olive gray, 5% very fine grained sand, 95% clay, moist (42'-45')	
S	B1-43		9:10			44			0.6
						45	CL	CLAY with SAND, gray, trace iron oxide stains, 3-5% very fine grained sand, 95-97% clay, moist (45'-46.5')	
						46			
						47	SC	CLAYEY SAND, gray with iron oxide staining, 60% fine grained sand, 5% coarse grained sand, 35% clay, moist (46.5'-47')	
S	B1-47		9:15			48	CL	CLAY, olive brown, trace iron and manganese oxide staining, moist (47'-48')	0.7
						49			
						50	CL	CLAY, olive gray with iron oxide stains, moist (48'-51')	
						51			
S	B1-51		9:17			52			0.5
						53	CL	CLAY, dark bluish gray, trace silt, moist (51'-54')	
						54			
S	B1-54		10:08			55	SC	CLAYEY SAND, olive gray, 60% fine grained sand, 40% clayey fines, moist	0.8
						56			
						57	SP-SC	SAND with CLAY, 90-98% fine grained sand, 2-20% clayey fines, damp to wet (55'-58')	
						58			

Comments: total depth is 58 feet bgs.

BOREHOLE SAMPLING LOG

HP-1

STRATUS Project No.: E-601	Site: ARCO Station #601	Drilling Company: RSI Drilling
	712 Lewelling Boulevard, San Leandro, CA	Driller: Jose
Date: November 30, 2006		Field Geologist: Scott Bittinger

Drilling Rig:	Geoprobe 6600	Drilling Method:	Direct Push
Borehole Diameter:	2 inches	Soil Sample Equipment:	NA
Total Depth:	60 feet bgs	Water Sampling Equipment:	Hydropunch™

Well Completion Data

Slotted Interval:		Casing Material:	
Filter Pack Material:		Casing Diameter:	
Seal Material:		Slot Size:	
Backfill Material:	Neat Cement Slurry		

Sample ID	Depth (ft.)	Sample Interval (ft.)	% Rec.	Time	PID (ppm)	Soil Class/ Water	Description:
B1-58W	58	56-60				Water	6 voas, 2 amber bottles

SOIL BORING LOG **Boring No. MW-16** **Sheet: 1 of 1**

Client	ARCO 601	Date	June 12, 2009
Address	712 Lewelling Boulevard	Drilling Co.	RSI Drilling rig type: CME-75
	San Leandro, CA	Driller	Jorge
Project No.	E601	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 4 ft. to 15 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 5 ft. to 15 ft.
	bent.: 2 ft. to 4 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.010-in.
	grout: 0 ft. to 2 ft.		

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 6.5' bgs. with air knife.	
						2			
						3			
						4			
						5			
						6			
S	MW-16 6.5'	N/A	1400	100		7			0
S	MW-16 8'	N/A	1402	100		8			1.6
						9	SM	Silty sand, SM, (6.5'-10'), dark grayish brown, wet 80% fine grained sand, 20% silt	
S	MW-16 9.5'	N/A	1405	100		10			48
S	MW-16 11'	N/A	1407	100		11			629
						12			
S	MW-16 12.5'	N/A	1410	100		13	CL	Silty clay, CL, (10'-15'), dark grayish brown, moist, medium plasticity 85% clay, 15% silt	310
						14			
S	MW-16 15'	N/A	1412	100		15			35
						16			
						17			
						18			
						19			
						20			

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. MW-17** **Sheet: 1 of 1**

Client	ARCO 601	Date	June 12, 2009
Address	712 Lewelling Boulevard	Drilling Co.	RSI Drilling rig type: CME-75
	San Leandro, CA	Driller	Jorge
Project No.	E601	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 4 ft. to 15 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 5 ft. to 15 ft.
	bent.: 2 ft. to 4 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.010-in.
	grout: 0 ft. to 2 ft.		

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 6.5' bgs. with air knife.	
						2			
						3			
						4			
						5			
						6			
S	MW-17 6.5'	N/A	0920	100		7			482
S	MW-17 8'	N/A	0923	100		8	SM	Silty sand with clay, SM, (6.5'-8.5'), grayish brown, moist 60% fine to medium grained sand, 30% silt, 10% clay	8000+
						9			
S	MW-17 9.5'	N/A	0925	100		10		Silty clay, CL, (8.5'-10.5'), dark grayish brown, moist, medium plasticity 85% clay, 15% silt	1058
S	MW-17 11'	N/A	0933	100		11			0
						12		Silty clay, CL, (10.5'-12'), grayish brown, moist, medium plasticity 85% clay, 15% silt	
S	MW-17 12.5'	N/A	0936	100		13	CL		0
						14		Clay, CL, (12'-15'), grayish brown, moist, medium plasticity 100% clay	
S	MW-17 15'	N/A	0939	100		15			0
						16			
						17			
						18			
						19			
						20			

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. MW-18** **Sheet: 1 of 1**

Client	ARCO 601	Date	June 12, 2009
Address	712 Lewelling Boulevard	Drilling Co.	RSI Drilling rig type: CME-75
	San Leandro, CA	Driller	Jorge
Project No.	E601	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 4 ft. to 15 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 5 ft. to 15 ft.
	bent.: 2 ft. to 4 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.010-in.
	grout: 0 ft. to 2 ft.		

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
						1		Cleared to 6.5' bgs. with air knife.	
						2			
						3			
						4			
						5			
						6			
S	MW-18 6.5'	N/A	1048	100		7	CL	Sandy clay, CL, (6.5'-7'), dark brown, moist, medium plasticity 70% clay, 30% fine grained sand	0
S	MW-18 8'	N/A	1050	100		8	SC	Clayey sand, SC, (7'-9'), grayish brown, moist 75% fine grained sand, 25% clay	35
						9			
S	MW-18 9.5'	N/A	1052	100		10	SM	Silty sand, SM, (9'-10'), dark gray, wet 80% fine grained sand, 20% silt	495
S	MW-18 11'	N/A	1055	100		11	CL		0
						12		Silty clay, CL, (10'-13'), dark grayish brown, moist, medium plasticity 85% clay, 15% silt	
S	MW-18 12.5'	N/A	1058	100		13			126
						14	SM	Silty sand, SM, (13'-13.5'), dark gray, moist, medium plasticity 80% fine grained sand, 20% silt	
S	MW-18 15'	N/A	1100	100		15	CL	Silty clay, CL, (13.5'-15'), dark grayish brown, moist, medium plasticity 85% clay, 15% silt	55
						16			
						17			
						18			
						19			
						20			

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL BORING LOG **Boring No. MW-19** **Sheet: 1 of 1**

Client	ARCO 601	Date	June 12, 2009
Address	712 Lewelling Boulevard	Drilling Co.	RSI Drilling rig type: CME-75
	San Leandro, CA	Driller	Jorge
Project No.	E601	Method	Hollow Stem Auger Hole Diameter: 10 inches
Logged By:	Collin Fischer	Sampler:	
Well Pack	sand: 4 ft. to 15 ft	Well Construction	Casing Material: Schedule 40 PVC Screen Interval: 5 ft. to 15 ft.
	bent.: 2 ft. to 4 ft.		Casing Diameter: 4 in. Screen Slot Size: 0.010-in.
	grout: 0 ft. to 2 ft.		

Sample Type	Sample No.	Blow Count	Sample Time	Sample Recov.	Well Details	Depth Scale	Lithologic Column	Descriptions of Materials and Conditions	PID (PPM)
								Cleared to 6.5' bgs. with air knife.	
S	MW-19 6.5'	N/A	1500	100		7			0
S	MW-19 8'	N/A	1502	100		8	SC	Clayey sand, SC, (6.5'-8'), yellowish brown, moist 60% fine to medium grained sand, 40% clay	0
S	MW-19 9.5'	N/A	1505	100		10			0
S	MW-19 11'	N/A	1507	100		11	CL	Silty clay, CL, (8'-15'), grayish brown, moist, medium plasticity 85% clay, 15% silt	42
S	MW-19 12.5'	N/A	1510	100		13			0
S	MW-19 15'	N/A	1512	100		15			0

Comments:

STRATUS ENVIRONMENTAL, INC.

SOIL GAS WELL DETAILS

PROJECT NUMBER E601

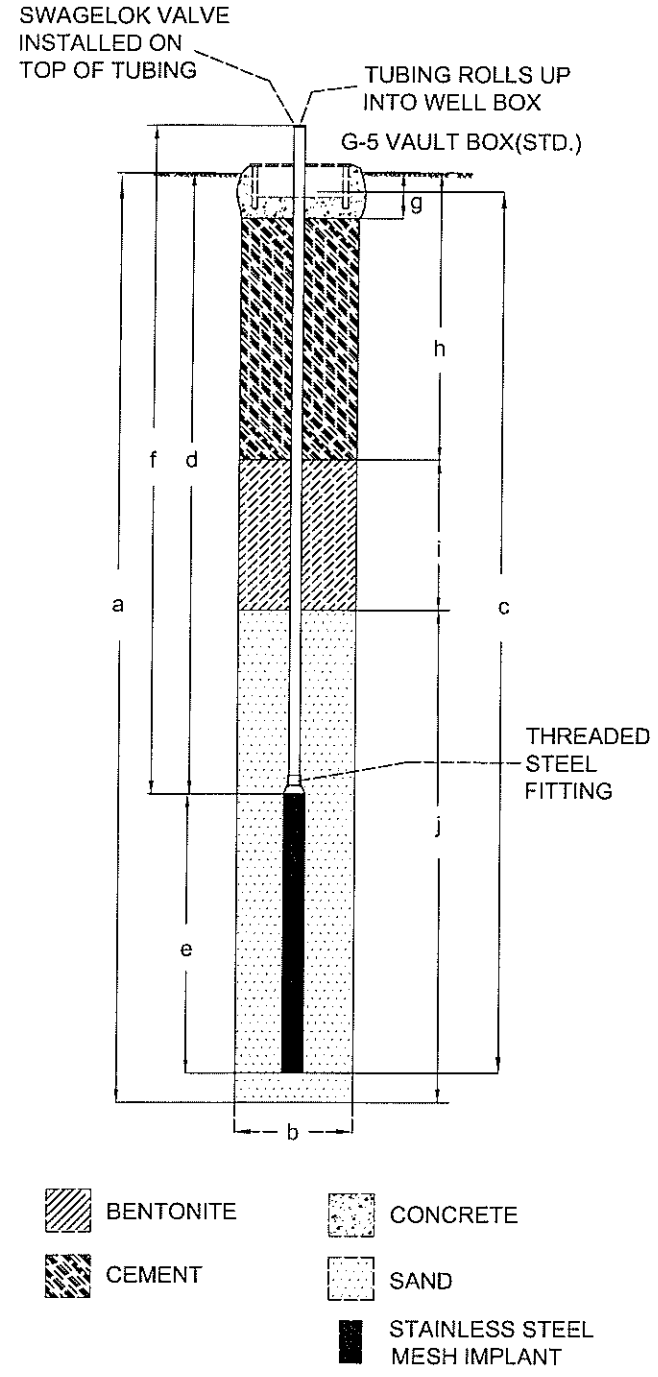
PROJECT NAME ARCO Service Station No. 601

LOCATION 712 Lewelling Blvd, San Leandro, CA

BORING/WELL NO. SG-9

WELL PERMIT NO. W2009-0445

INSTALLATION DATE June 11, 2009



NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 3.5 ft.

b. DIAMETER 6 in.

DRILLING METHOD Hand Augering

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 3.5 ft.

WELL SCREEN MATERIAL 3/8" dia. Stainless steel mesh implant

d. DEPTH TO TOP PERFORATIONS 3.0 ft.

e. PERFORATED

INTERVAL FROM 3.0 TO 3.5 ft.

f. LENGTH OF TUBING 7 ft.

TUBING CONNECTED TO WELL SCREEN AT 3.0 ft.

TUBING DIAMETER 0.25 in.

TUBING MATERIAL Nyaflow

g. SURFACE SEAL 0 to 0.5 ft.

SEAL MATERIAL Concrete

h. BACKFILL 0.5 to 1.0 ft.

BACKFILL MATERIAL Neat Cement

i. SEAL 1.0 to 2.5 ft.

SEAL MATERIAL Bentonite

j. FILTER PACK 2.5 to 3.5 ft.

FILTER PACK MATERIAL #2/12 Sand

SOIL GAS WELL DETAILS

PROJECT NUMBER E601

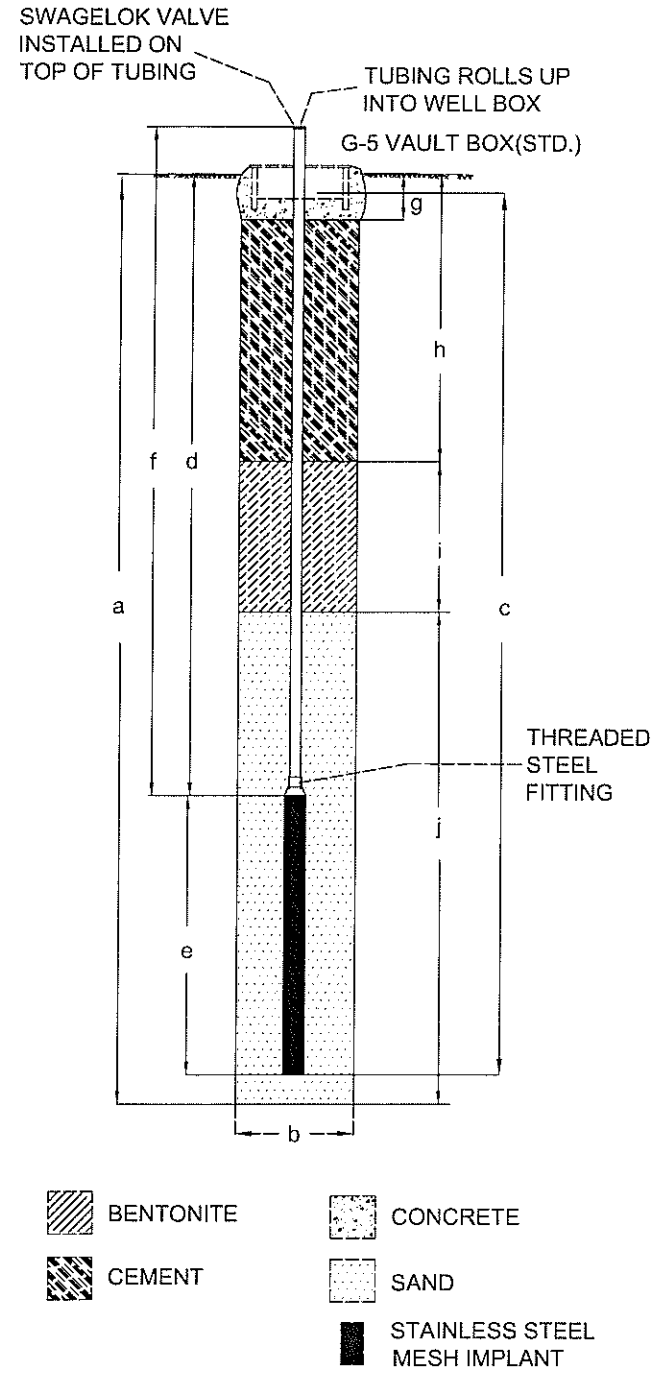
PROJECT NAME ARCO Service Station No. 601

LOCATION 712 Lewelling Blvd, San Leandro, CA

BORING/WELL NO. SG-10

WELL PERMIT NO. W2009-0445

INSTALLATION DATE June 11, 2009



NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 3.5 ft.

b. DIAMETER 6 in.

DRILLING METHOD Hand Augering

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 3.5 ft.

WELL SCREEN MATERIAL 3/8" dia. Stainless steel mesh implant

d. DEPTH TO TOP PERFORATIONS 3.0 ft.

e. PERFORATED

INTERVAL FROM 3.0 TO 3.5 ft.

f. LENGTH OF TUBING 7 ft.

TUBING CONNECTED TO WELL SCREEN AT 3.0 ft.

TUBING DIAMETER 0.25 in.

TUBING MATERIAL Nyaflow

g. SURFACE SEAL 0 to 0.5 ft.

SEAL MATERIAL Concrete

h. BACKFILL 0.5 to 1.0 ft.

BACKFILL MATERIAL Neat Cement

i. SEAL 1.0 to 2.5 ft.

SEAL MATERIAL Bentonite

j. FILTER PACK 2.5 to 3.5 ft.

FILTER PACK MATERIAL #2/12 Sand

SOIL GAS WELL DETAILS

PROJECT NUMBER E601

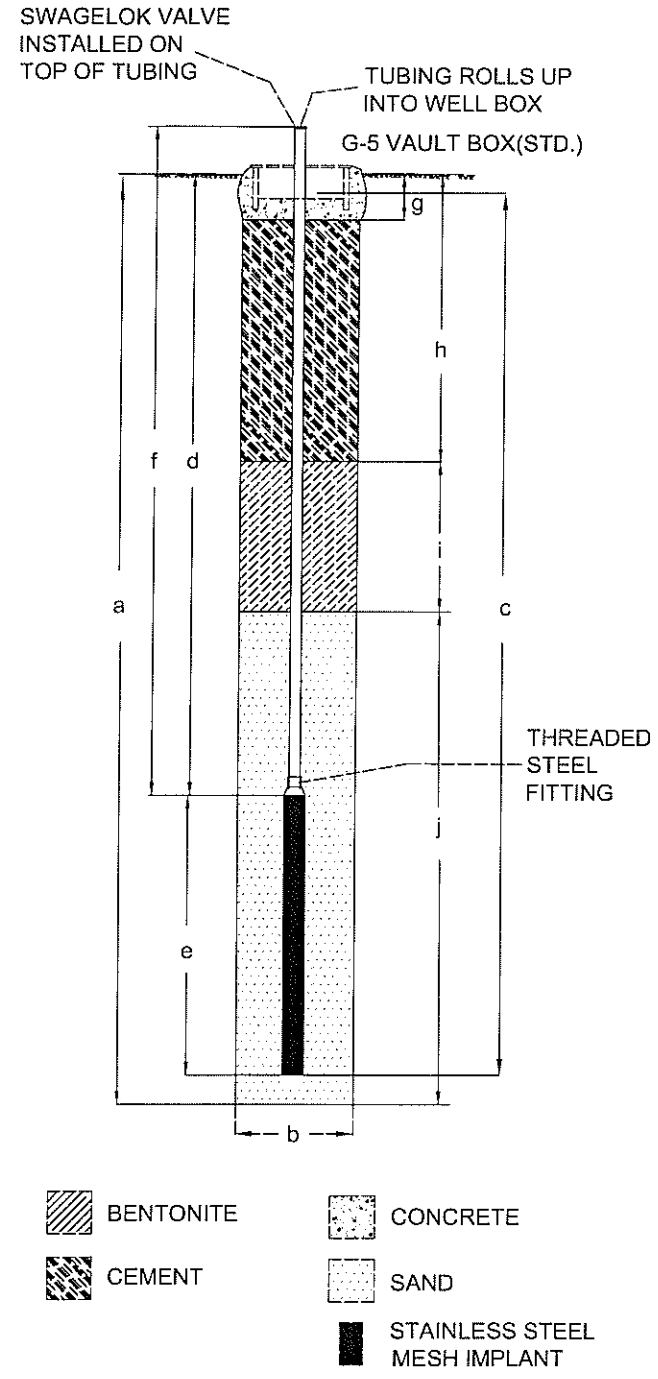
PROJECT NAME ARCO Service Station No. 601

LOCATION 712 Lewelling Blvd, San Leandro, CA

BORING/WELL NO. SG-11

WELL PERMIT NO. W2009-0445

INSTALLATION DATE June 11, 2009



NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 3.5 ft.

b. DIAMETER 6 in.

DRILLING METHOD Hand Augering

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 3.5 ft.

WELL SCREEN MATERIAL 3/8" dia. Stainless steel mesh implant

d. DEPTH TO TOP PERFORATIONS 3.0 ft.

e. PERFORATED

INTERVAL FROM 3.0 TO 3.5 ft.

f. LENGTH OF TUBING 7 ft.

TUBING CONNECTED TO WELL SCREEN AT 3.0 ft.

TUBING DIAMETER 0.25 in.

TUBING MATERIAL Nyaflow

g. SURFACE SEAL 0 to 0.5 ft.

SEAL MATERIAL Concrete

h. BACKFILL 0.5 to 1.0 ft.

BACKFILL MATERIAL Neat Cement

i. SEAL 1.0 to 2.5 ft.

SEAL MATERIAL Bentonite

j. FILTER PACK 2.5 to 3.5 ft.

FILTER PACK MATERIAL #2/12 Sand

SOIL GAS WELL DETAILS

PROJECT NUMBER E601

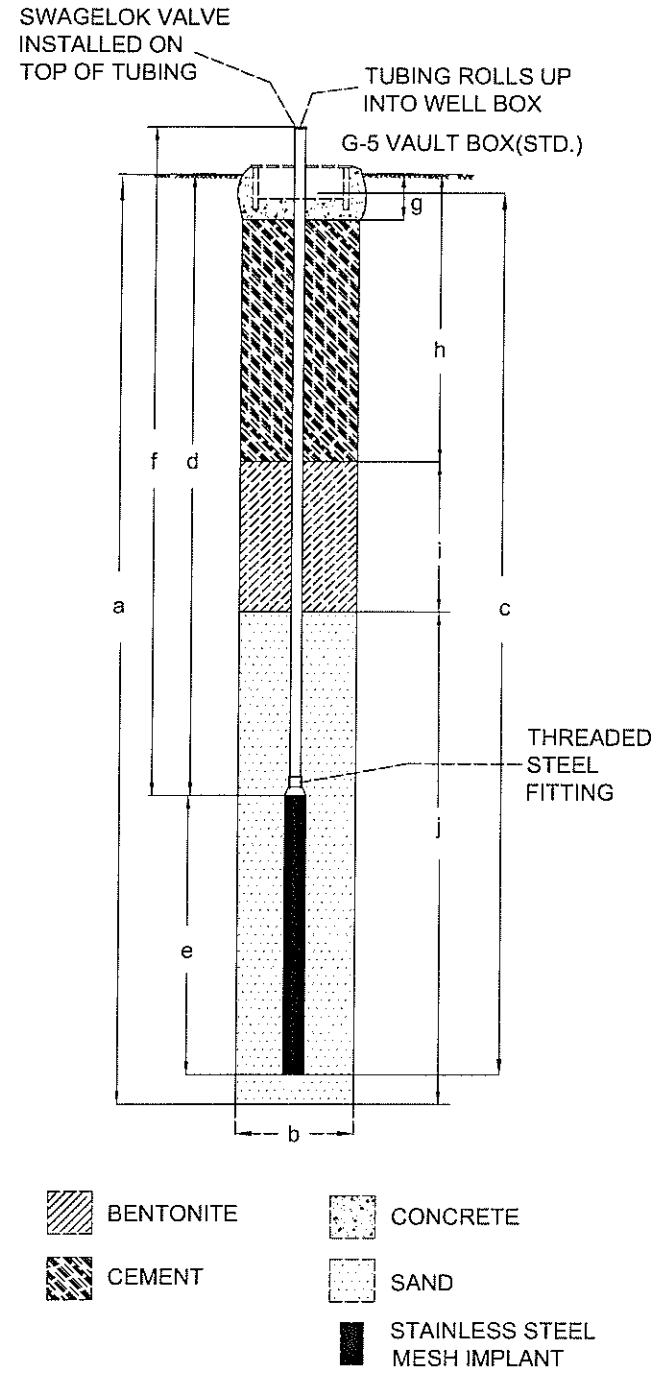
PROJECT NAME ARCO Service Station No. 601

LOCATION 712 Lewelling Blvd, San Leandro, CA

BORING/WELL NO. SG-12

WELL PERMIT NO. W2009-0445

INSTALLATION DATE June 11, 2009



NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 3.5 ft.

b. DIAMETER 6 in.

DRILLING METHOD Hand Augering

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 3.5 ft.

WELL SCREEN MATERIAL 3/8" dia. Stainless steel mesh implant

d. DEPTH TO TOP PERFORATIONS 3.0 ft.

e. PERFORATED

INTERVAL FROM 3.0 TO 3.5 ft.

f. LENGTH OF TUBING 7 ft.

TUBING CONNECTED TO WELL SCREEN AT 3.0 ft.

TUBING DIAMETER 0.25 in.

TUBING MATERIAL Nyaflow

g. SURFACE SEAL 0 to 0.5 ft.

SEAL MATERIAL Concrete

h. BACKFILL 0.5 to 1.0 ft.

BACKFILL MATERIAL Neat Cement

i. SEAL 1.0 to 2.5 ft.

SEAL MATERIAL Bentonite

j. FILTER PACK 2.5 to 3.5 ft.

FILTER PACK MATERIAL #2/12 Sand

SOIL GAS WELL DETAILS

PROJECT NUMBER E601

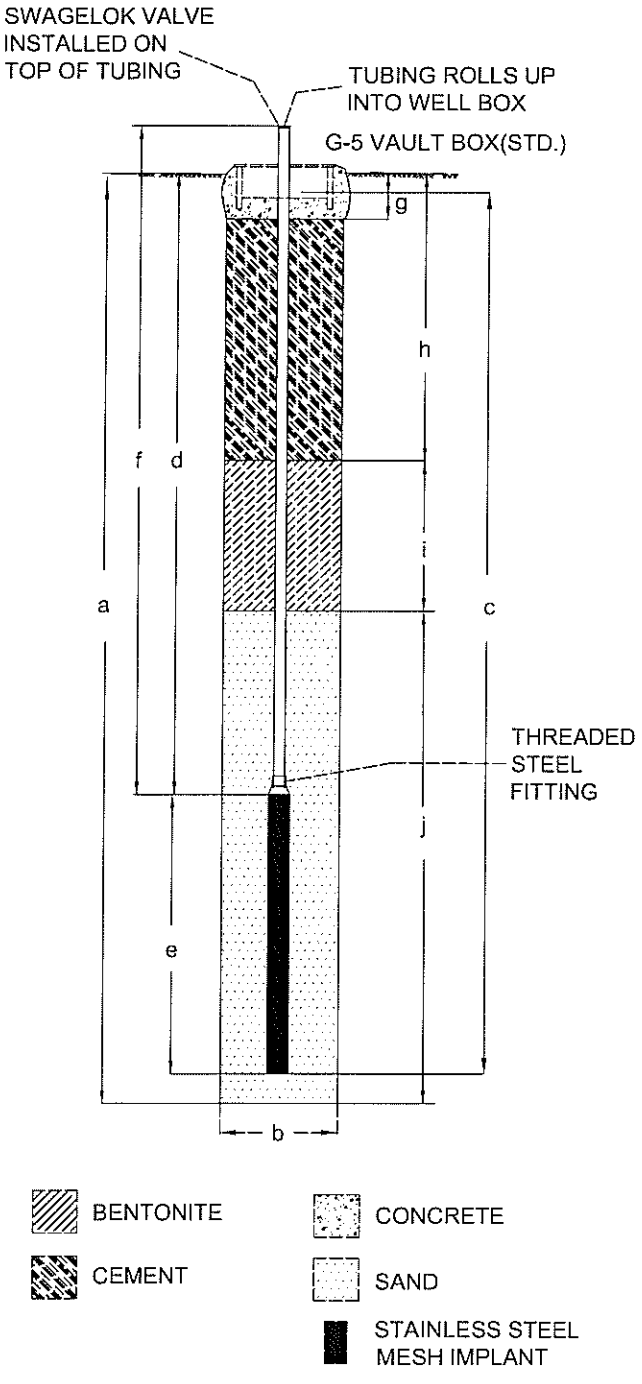
PROJECT NAME ARCO Service Station No. 601

LOCATION 712 Lewelling Blvd, San Leandro, CA

BORING/WELL NO. SG-13

WELL PERMIT NO. W2009-0445

INSTALLATION DATE June 11, 2009



NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 3.5 ft.

b. DIAMETER 6 in.

DRILLING METHOD Hand Augering

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 3.5 ft.

WELL SCREEN MATERIAL 3/8" dia. Stainless steel mesh implant

d. DEPTH TO TOP PERFORATIONS 3.0 ft.

e. PERFORATED

INTERVAL FROM 3.0 TO 3.5 ft.

f. LENGTH OF TUBING 7 ft.

TUBING CONNECTED TO WELL SCREEN AT 3.0 ft.

TUBING DIAMETER 0.25 in.

TUBING MATERIAL Nyaflow

g. SURFACE SEAL 0 to 0.5 ft.

SEAL MATERIAL Concrete

h. BACKFILL 0.5 to 1.0 ft.

BACKFILL MATERIAL Neat Cement

i. SEAL 1.0 to 2.5 ft.

SEAL MATERIAL Bentonite

j. FILTER PACK 2.5 to 3.5 ft.

FILTER PACK MATERIAL #2/12 Sand

SOIL GAS WELL DETAILS

PROJECT NUMBER E601

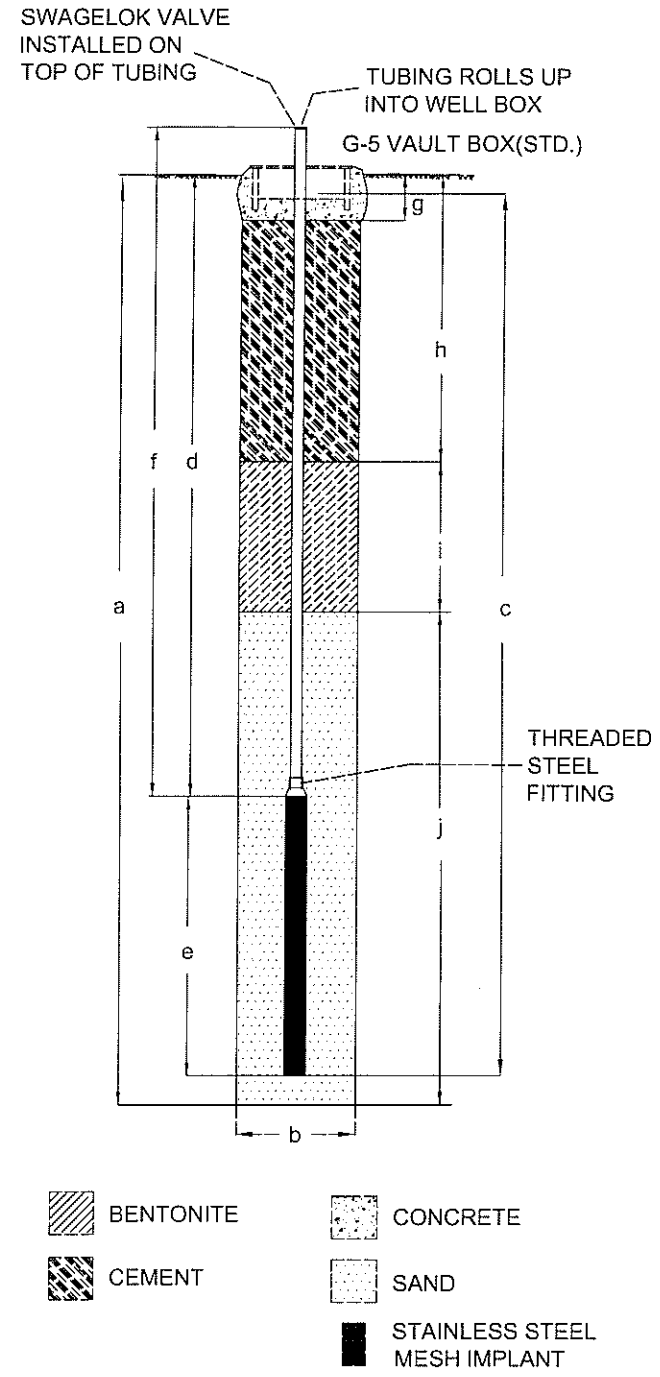
PROJECT NAME ARCO Service Station No. 601

LOCATION 712 Lewelling Blvd, San Leandro, CA

BORING/WELL NO. SG-14

WELL PERMIT NO. W2009-0445

INSTALLATION DATE June 11, 2009



NOT TO SCALE

EXPLORATORY BORING

a. TOTAL DEPTH 3.5 ft.

b. DIAMETER 6 in.

DRILLING METHOD Hand Augering

WELL CONSTRUCTION

c. TOTAL WELL DEPTH 3.5 ft.

WELL SCREEN MATERIAL 3/8" dia. Stainless steel mesh implant

d. DEPTH TO TOP PERFORATIONS 3.0 ft.

e. PERFORATED

INTERVAL FROM 3.0 TO 3.5 ft.

f. LENGTH OF TUBING 7 ft.

TUBING CONNECTED TO WELL SCREEN AT 3.0 ft.

TUBING DIAMETER 0.25 in.

TUBING MATERIAL Nyaflow

g. SURFACE SEAL 0 to 0.5 ft.

SEAL MATERIAL Concrete

h. BACKFILL 0.5 to 1.0 ft.

BACKFILL MATERIAL Neat Cement

i. SEAL 1.0 to 2.5 ft.

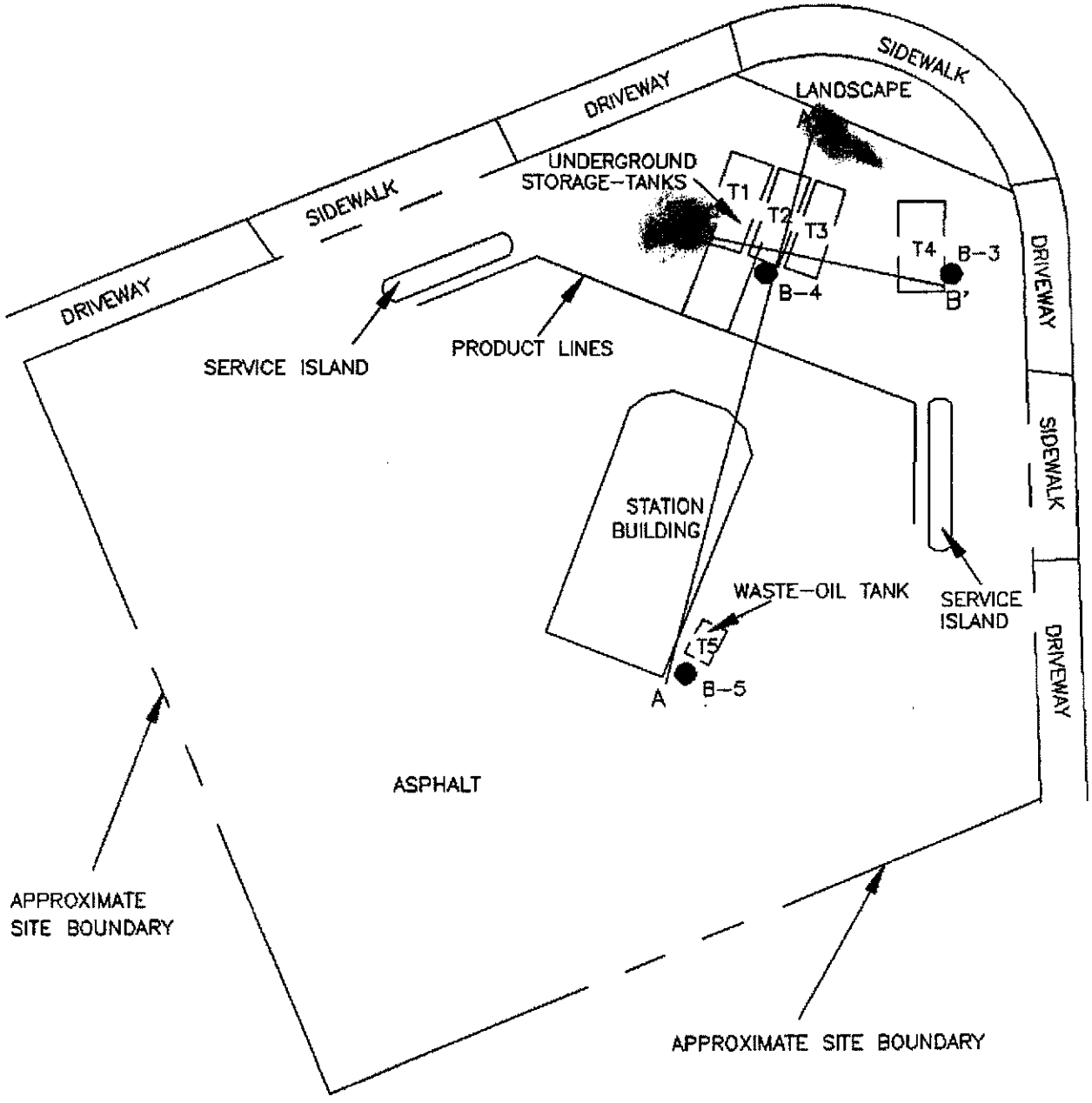
SEAL MATERIAL Bentonite

j. FILTER PACK 2.5 to 3.5 ft.

FILTER PACK MATERIAL #2/12 Sand

APPENDIX D

Geologic Cross-Sections



A — A' = Location of cross sections

B — B' = Presented in Plate P - 9

B-5 ● = Soil boring

Sourse: Modified from plan supplied by Arco

Approximate Scale

30 15 0 30 60

feet

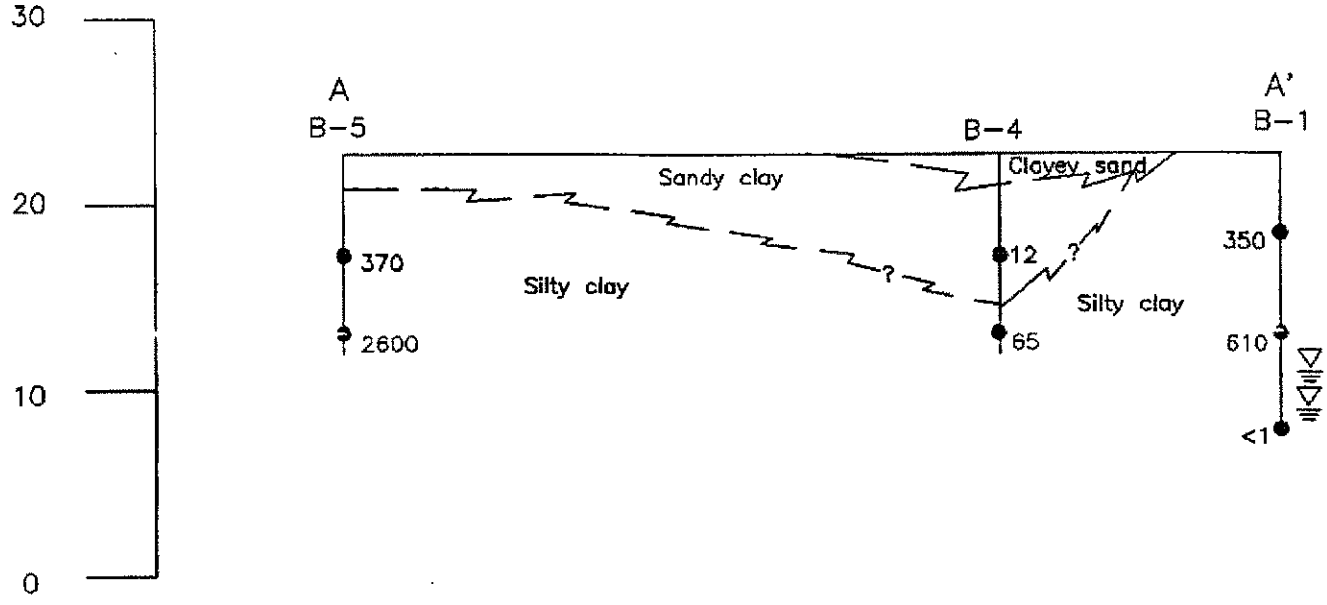
Applied GeoSystems

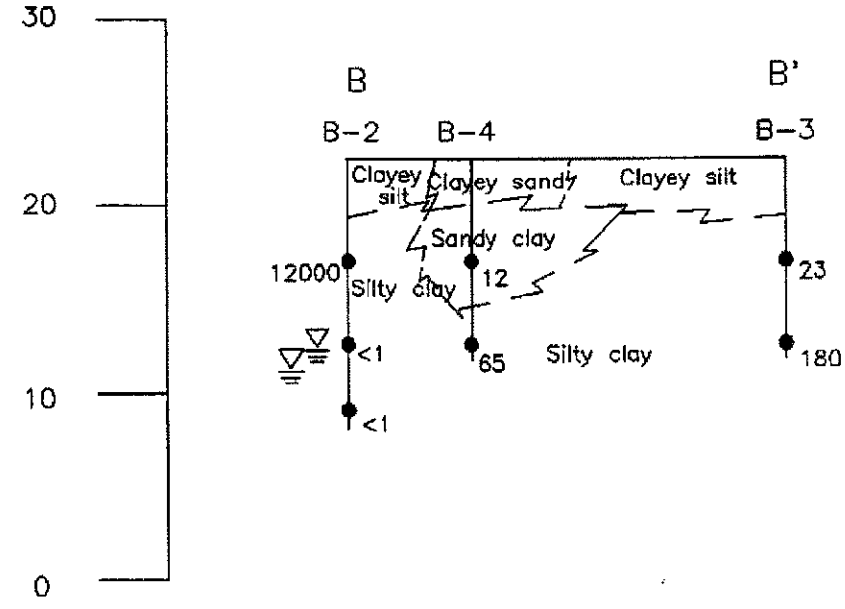
PROJECT NO. 69034-1

GENERALIZED SITE PLAN
ARCO Service Station No. 601
Washington Ave. and Lewelling Blvd.
San Leandro, California

PLATE

P - 2





= Laboratory-analyzed soil sample showing concentration of TPH in part's per million

= Well casing

= Well screen

= Boring

= Initial water level in boring

= Static water level in well

Approximate Horizontal Scale

20 10 0 20 40

feet

Approximate Vertical Scale

10 5 0 10 20

feet

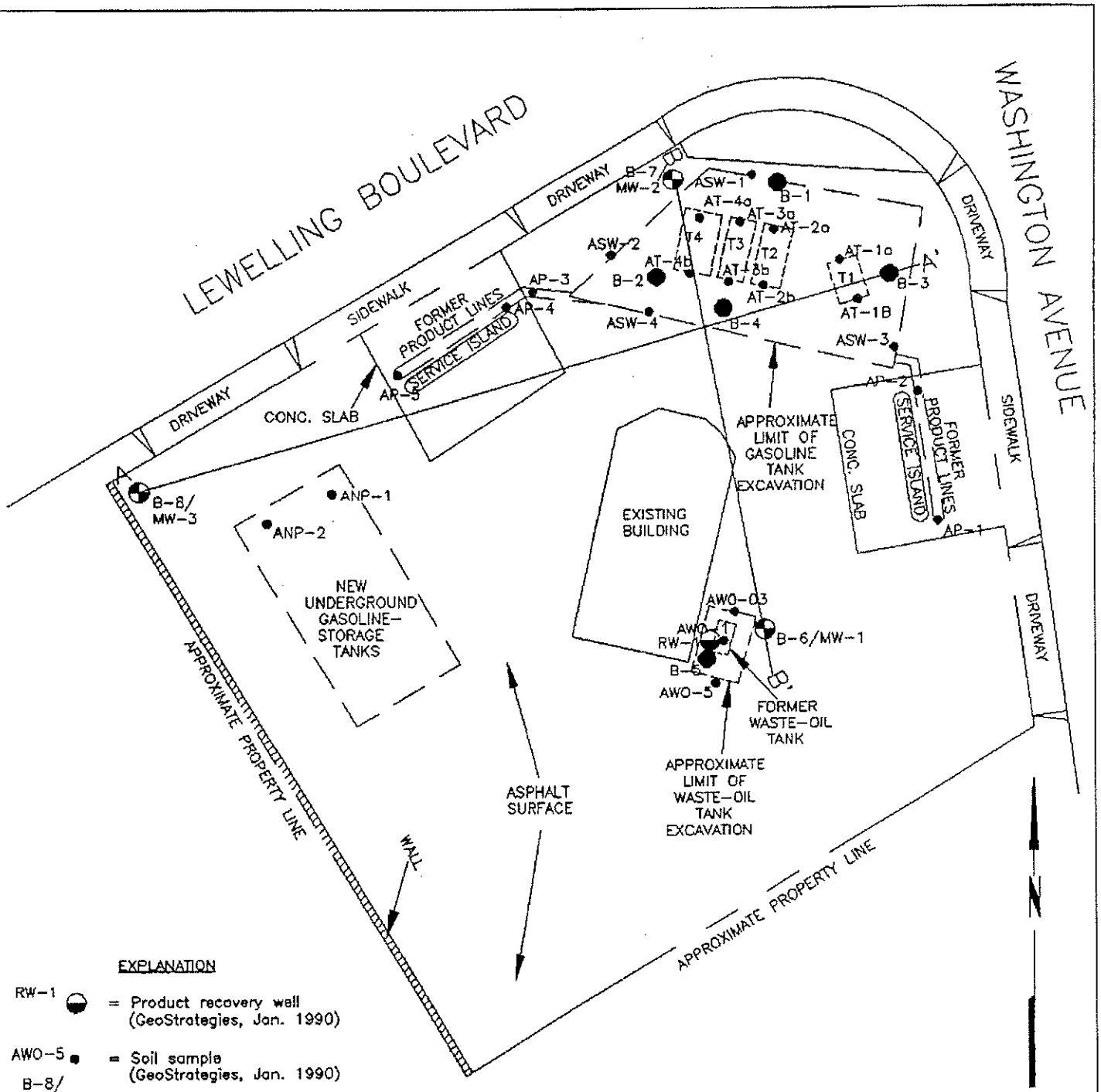
Applied GeoSystems

PROJECT NO. 69034-1

CROSS SECTION A-A' AND B-B'
ARCO Service Station No. 601
Washington Avenue & Lewelling Blvd.
San Leandro, California

PLATE

P - 9

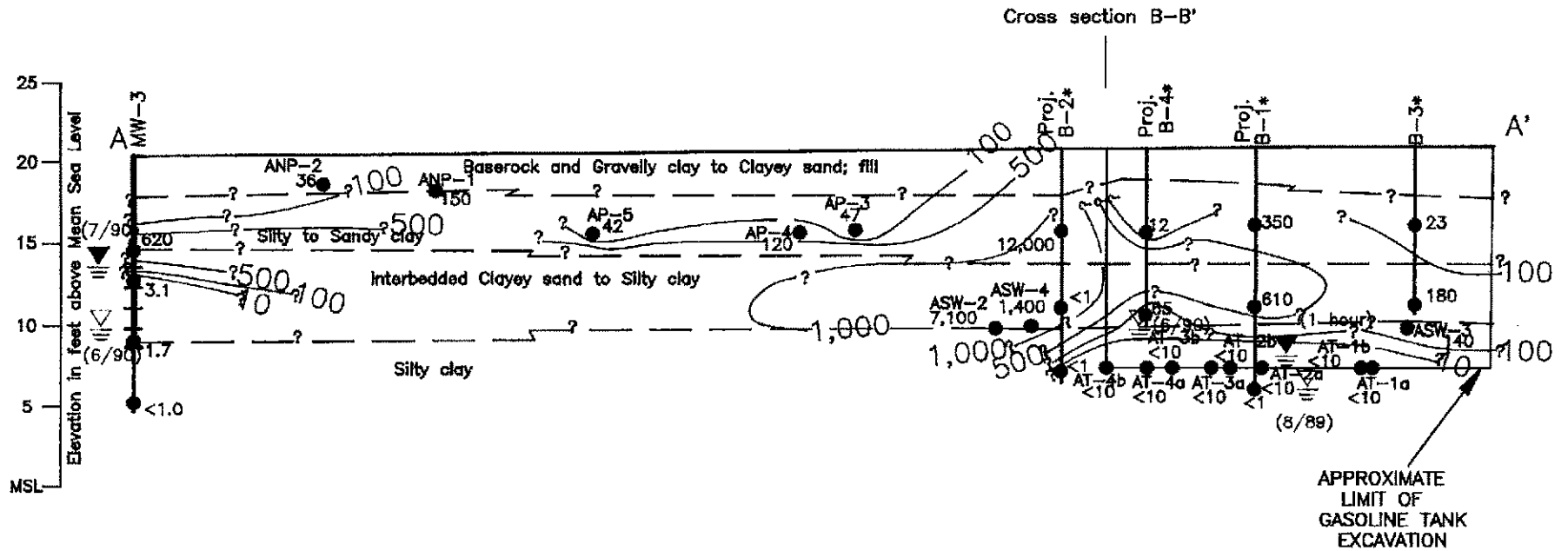


Applied GeoSystems

PROJECT 69034-4W

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 2



EXPLANATION

1,000 = Line of equal concentration of TPHg in soil

12,000 = Laboratory analyzed soil sample showing concentration of TPHg in parts per million

= Well casing

= Well screen

= Boring

= Initial water level in boring

= Static water level in well

* = Boring in subsequently excavated soil

ASW–4 = Excavation sidewall soil sample

AT–4b = Excavation soil sample beneath former tank

AP–5 = Former product line trench soil sample

ANP–2 = New tank excavation soil sample

Approximate Horizontal Scale

20 10 0 20 40

feet

Approximate Vertical Scale

10 5 0 10 20

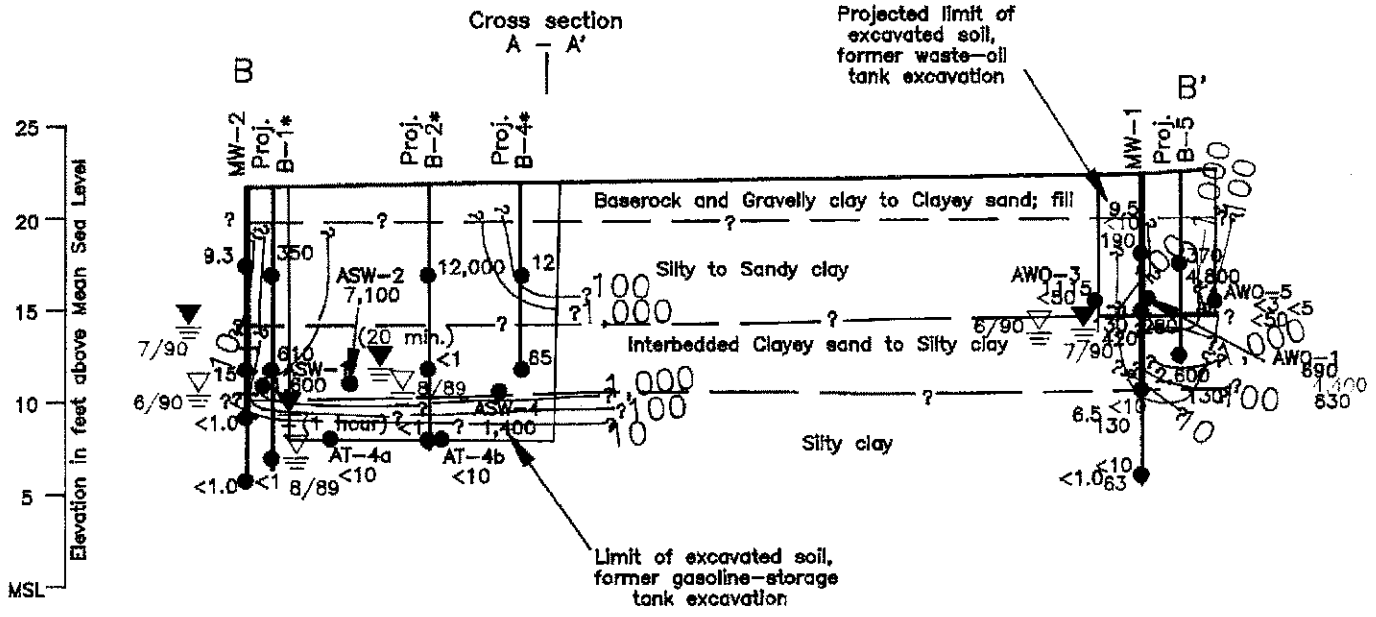
feet

PLATE 7

GEOLOGIC CROSS SECTION A - A'
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

Applied GeoSystems

PROJECT 69034-2



EXPLANATION

1,000 = Line of equal concentration of TPHg in soil

1,000 = Line of equal concentration of TOG in soil

12,000 / 630 / 4,800 / 4,400 = Laboratory analyzed soil sample showing concentration of TPHg (green), TPHd (red), TOG (orange), and TPHo (purple) in parts per million

= Well casing

= Well screen

= Boring

= Initial water level in boring

= Static water level in well

* = Boring in subsequently excavated soil

ASW–4 = Excavation sidewall soil sample

AT–4b = Excavation soil sample beneath former tank

AWO–5 = Former waste–oil tank excavation soil sample

Approximate Horizontal Scale

20 10 0 20 40

feet

Approximate Vertical Scale

10 5 0 10 20

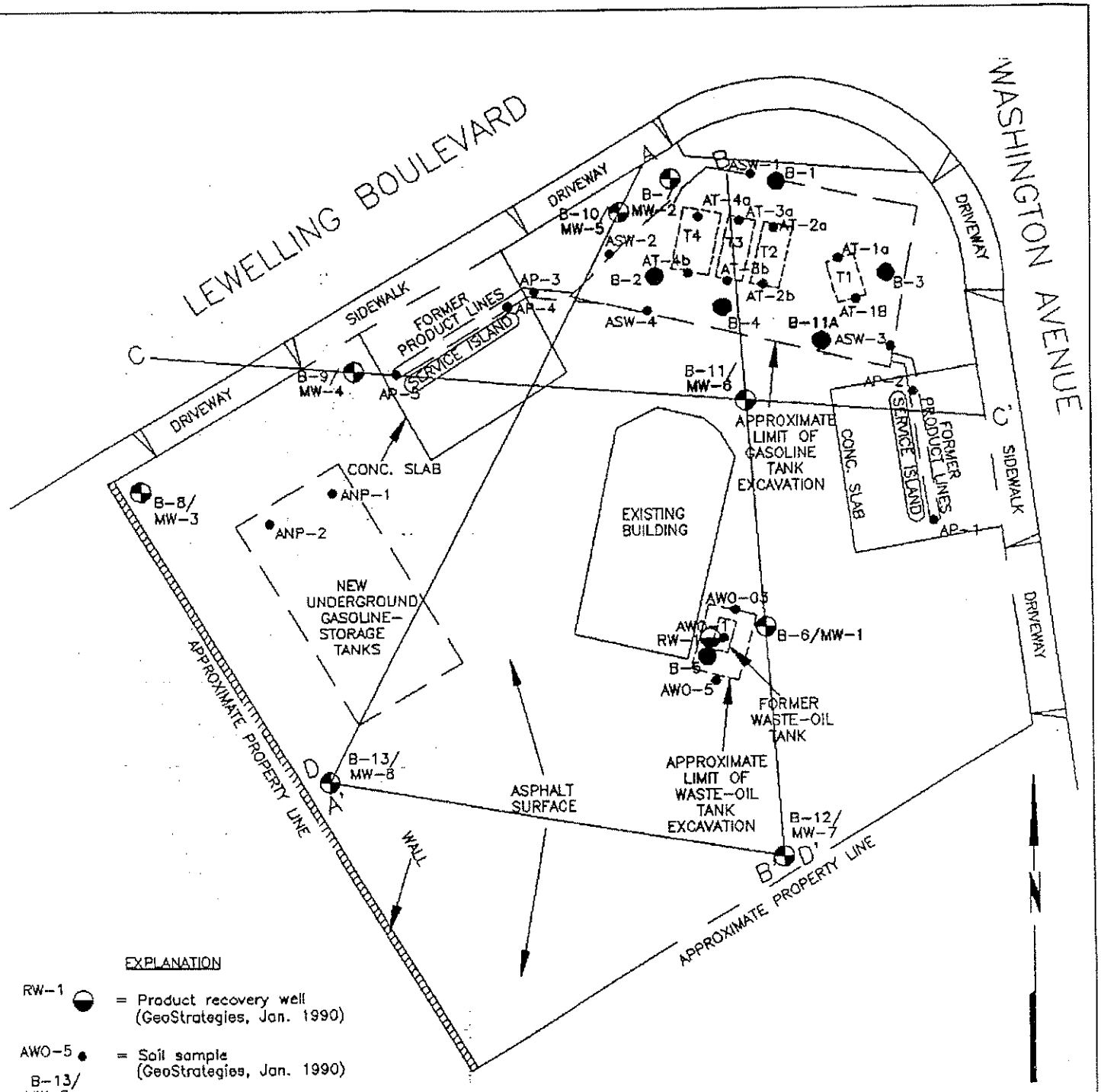
feet

Applied GeoSystems

PROJECT 69034-2

GEOLOGIC CROSS SECTION B-B'
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 8



EXPLANATION

RW-1 = Product recovery well (GeoStrategies, Jan. 1990)

AWO-5 = Soil sample (GeoStrategies, Jan. 1990)

B-13/MW-8 = Vapor extraction/ground-water monitoring well (Applied GeoSystems, June 1990 and May 1991)

B-11A = Soil boring (Applied GeoSystems, August 1989 and May 1991)

T4 = Former Underground Gasoline-storage tanks

D-D' = Geologic cross sections

Approximate Scale

30 15 0 30 60

feet

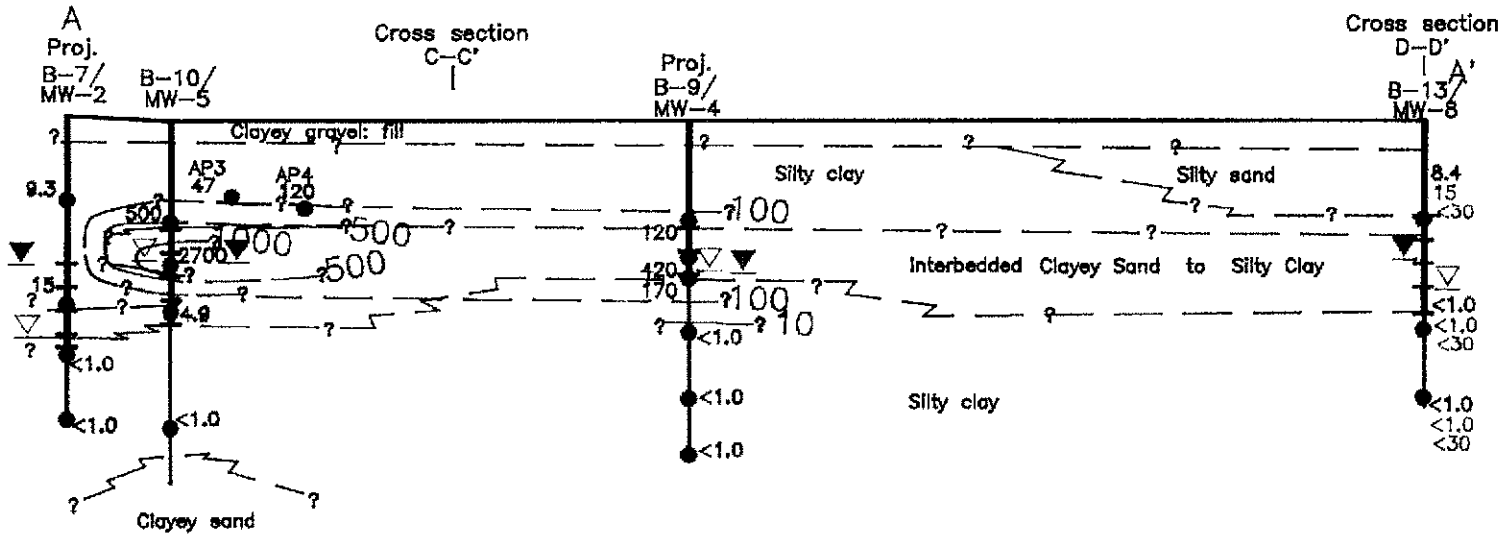
Source: Surveyed by Ron Archer, Civil Engineer Inc.

RESNA

PROJECT 69034.04

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE 2



EXPLANATION

1000 = Line of equal concentration of TPHg in soil

2700
15
<30
= Laboratory analyzed soil sample showing concentration of TPHg (red), TPHd (green), TOG (orange) in parts per million

= Well casing

= Well screen

= Boring

= Initial water level in boring (6/90 and 5/91)

= Static water level in well (6/91)

AP3 = Former product lines soil sample

AP4 = Former product lines soil sample

Approximate Horizontal Scale

20 10 0 20 40

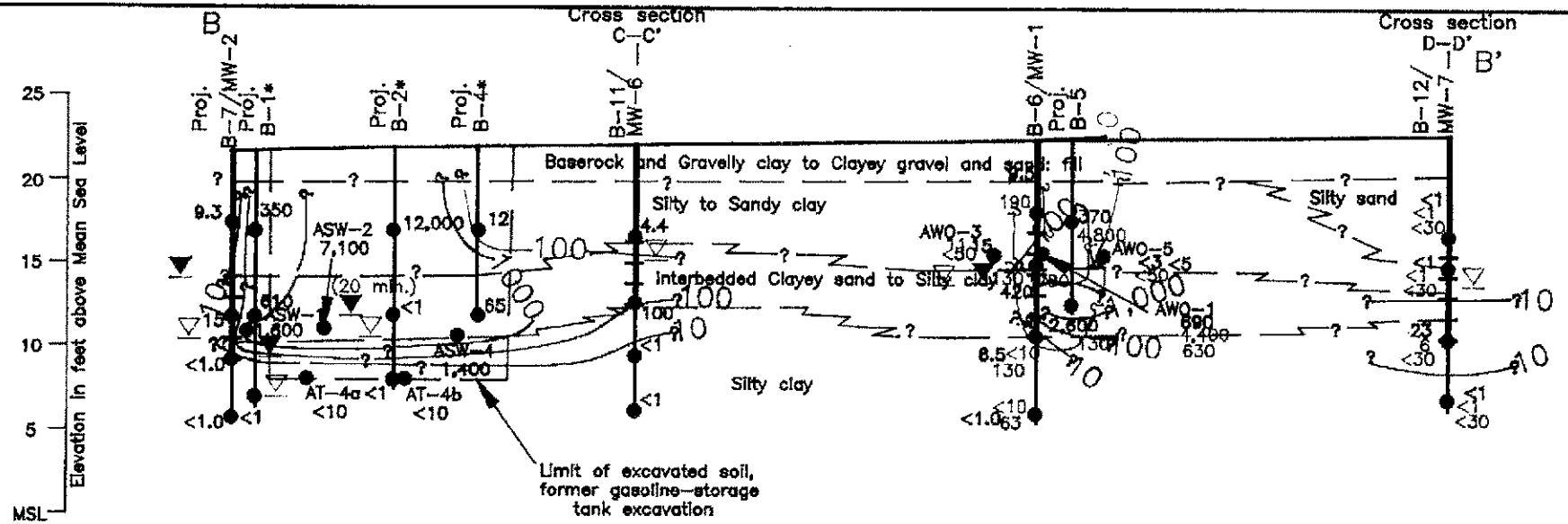
feet

Approximate Vertical Scale

10 5 0 10 20

feet

PLATE 11	GEOLOGIC CROSS SECTION A-A' ARCO Station 601 712 Lewelling Boulevard San Leandro, California	RESNA PROJECT 69034.04



EXPLANATION

1,000 = Line of equal concentration of TPHg in soil

1,000 = Line of equal concentration of TOG in soil

12,000 / 630 / 4,800 / 4,400 = Laboratory analyzed soil sample showing concentration of TPHg (red), TPHd (green), TOG (orange), and TPHo (blue) in parts per million

= Well casing

= Well screen

= Boring

= Initial water level in boring (8/89, 6/90, and 5/91)

= Static water level in well (6/91)

* = Boring in subsequently excavated soil

ASW–4 = Excavation sidewall soil sample

AT–4b = Excavation soil sample beneath former tank

AWO–5 = Former waste–oil tank excavation soil sample

Approximate Horizontal Scale

20 10 0 20 40

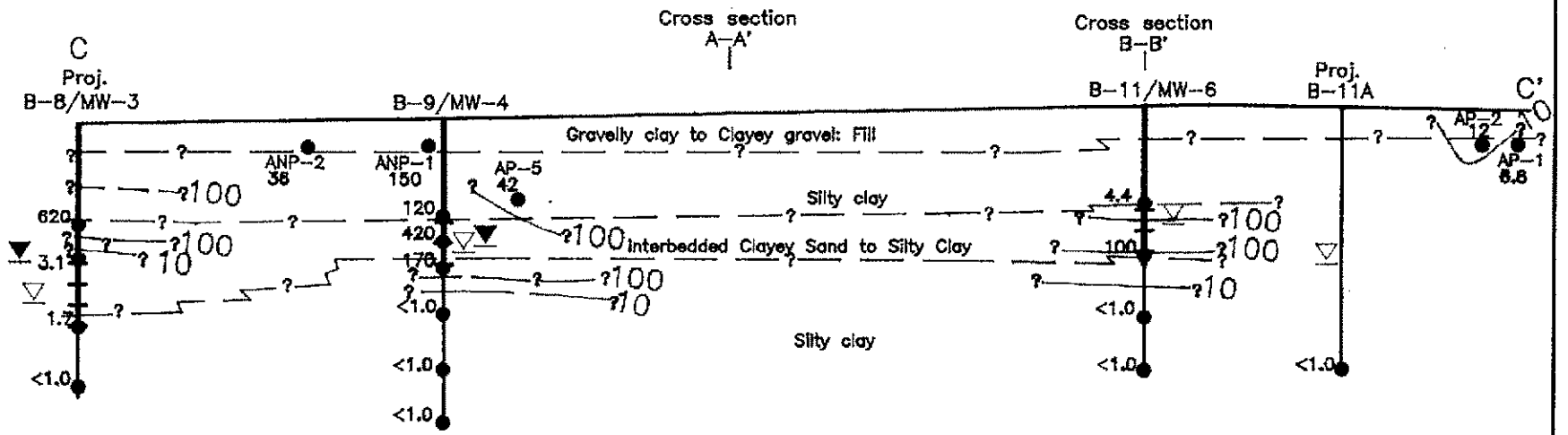
feet

Approximate Vertical Scale

10 5 0 10 20

feet

PLATE 12	GEOLOGIC CROSS SECTION B-B' ARCO Station 601 712 Lewelling Boulevard San Leandro, California	RESNA PROJECT 69034.04



EXPLANATION

100 = Line of equal concentration of TPHg in soil

620 / 15 / <30 = Laboratory analyzed soil sample showing concentration of TPHg (**red**), TPHd (green), TOG (orange) in parts per million

= Well casing

= Well screen

= Boring

= Initial water level in boring (6/90 and 5/91)

= Static water level in well (6/91)

AP5 = Former product lines soil sample

ANP-2 = New tank excavation soil sample

Approximate Horizontal Scale

20 10 0 20 40

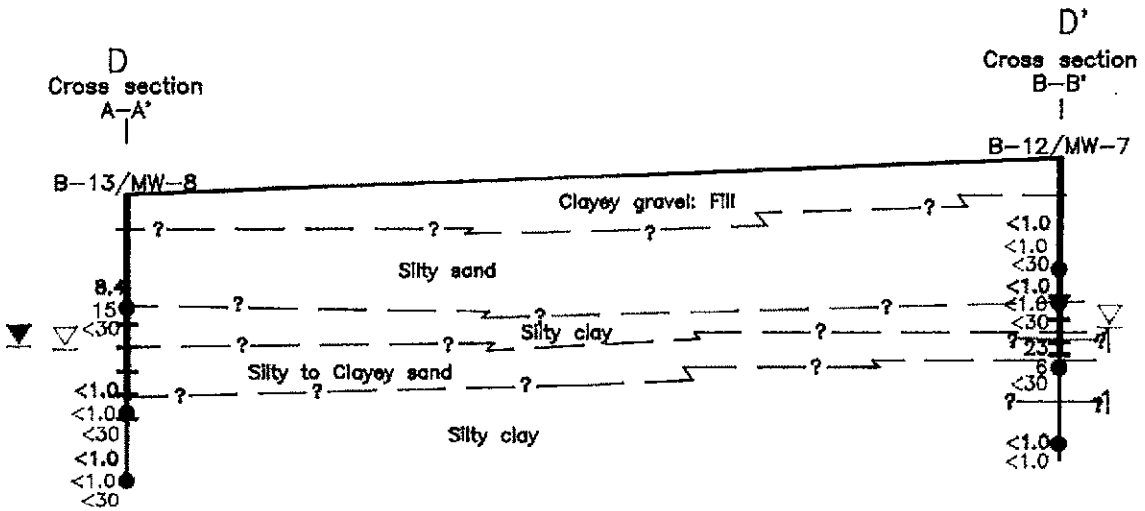
feet

Approximate Vertical Scale

10 5 0 10 20

feet

PLATE 13	**GEOLOGIC CROSS SECTION C-C'** **ARCO Station 601** **712 Lewelling Boulevard** **San Leandro, California**	**RESNA** **PROJECT 69034.04**



EXPLANATION

= Line of equal concentration of TPHg in soil

23
15
<30
= Laboratory analyzed soil sample showing concentration of TPHg (**red**), TPHd (green), TOG range) in parts per million

= Well casing

= Well screen

= Boring

= Initial water level in boring (5/91)

= Static water level in well (6/91)

Approximate Horizontal Scale

20 10 0 20 40

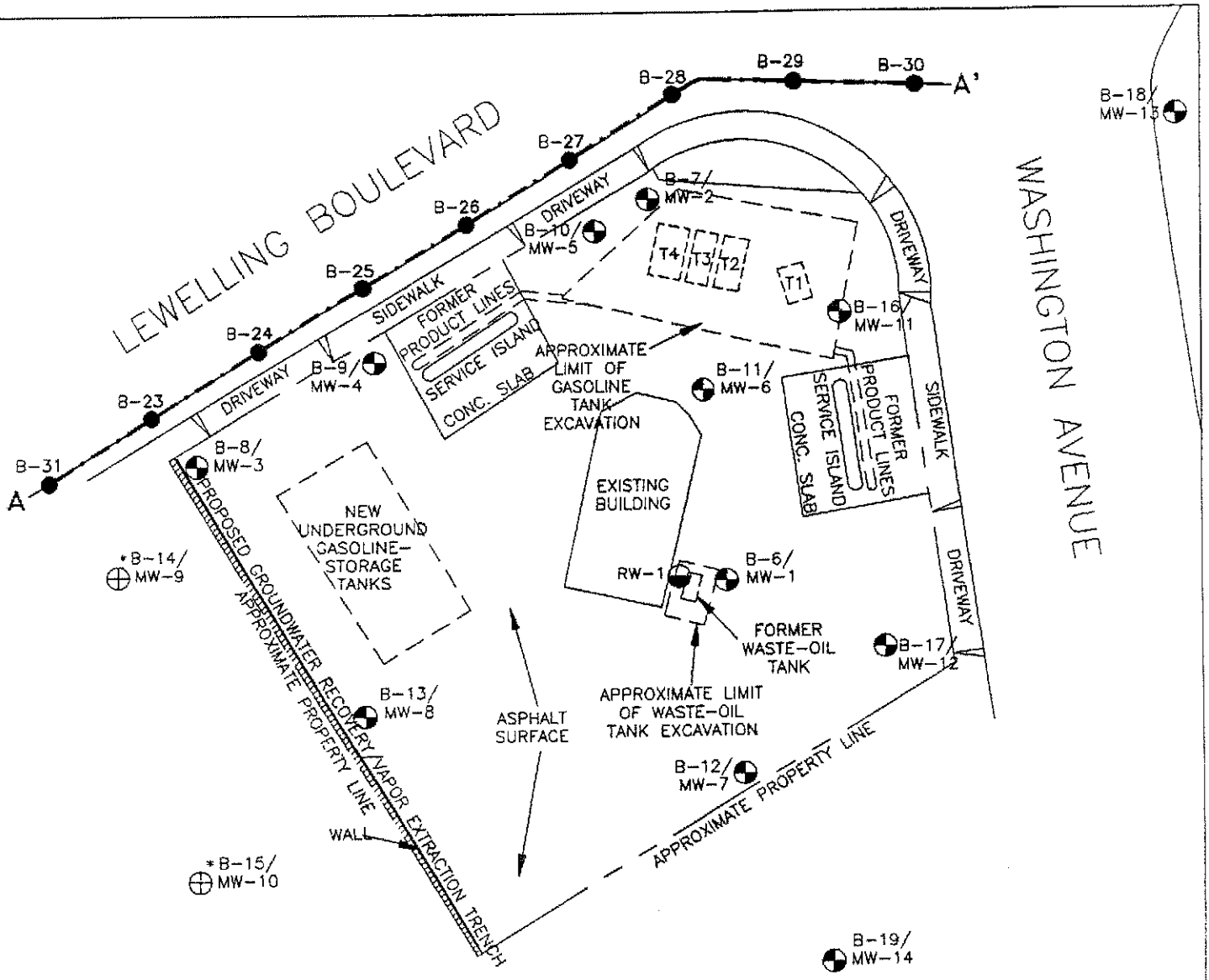
feet

Approximate Vertical Scale

10 5 0 10 20

feet

PLATE 14	**GEOLOGIC CROSS SECTION D-D'** **ARCO Station 601** **712 Lewelling Boulevard** **San Leandro, California**	**RESNA** **PROJECT 69034.04**



EXPLANATION

— · — = PG&E proposed trench alignment

B-31 ● = Soil boring (RESNA, October 27 and 28, 1992)

*B-15/MW-10 ⊕ = Proposed boring/groundwater monitoring well (Not yet installed due to difficulty obtaining access)

B-19/MW-14 ◓ = Groundwater monitoring well (RESNA, 1990, 1991, and 1992)

RW-1 ◒ = Product recovery well (GeoStrategies, January 1990)

T4 = Former underground gasoline storage tank

A — A' = Geologic cross section

N

Approximate Scale

40 20 0 40 80

feet

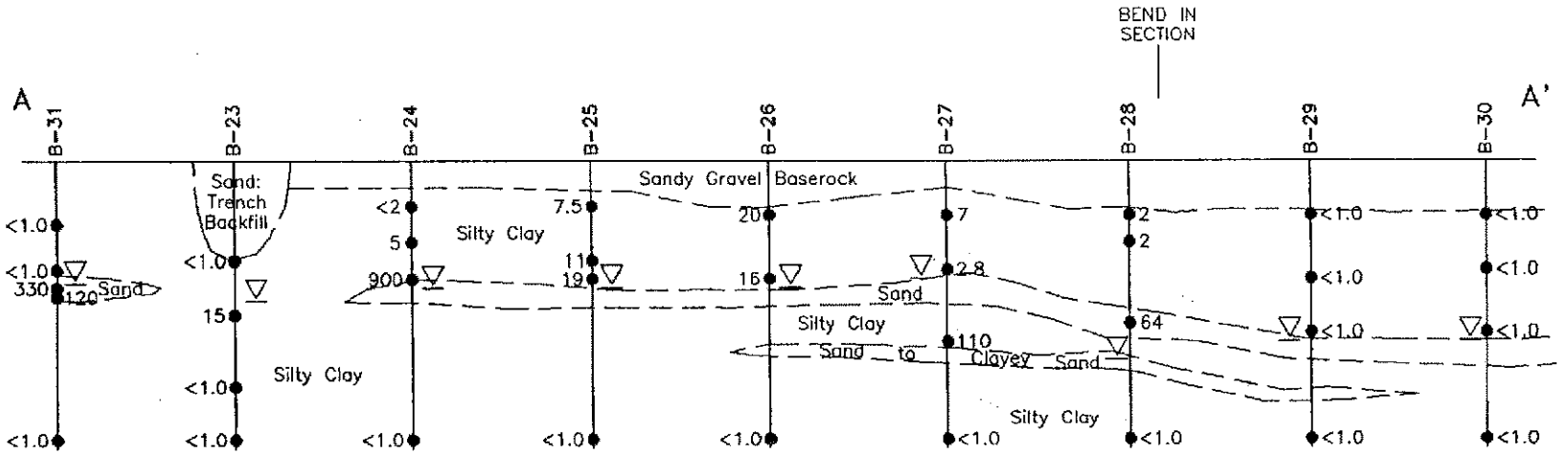
Source: Surveyed by John Koch, Licensed Land Surveyor.

RESNA
Working to Restore Nature

PROJECT 69034.11

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
2



EXPLANATION

900 = Laboratory analyzed soil sample showing concentration of TPHg in parts per million

= Boring

▽ = Initial water level in boring (October 27 and 28, 1992)

Approximate Horizontal Scale

30 15 0 30 60

feet

Approximate Vertical Scale

10 5 0 10 20

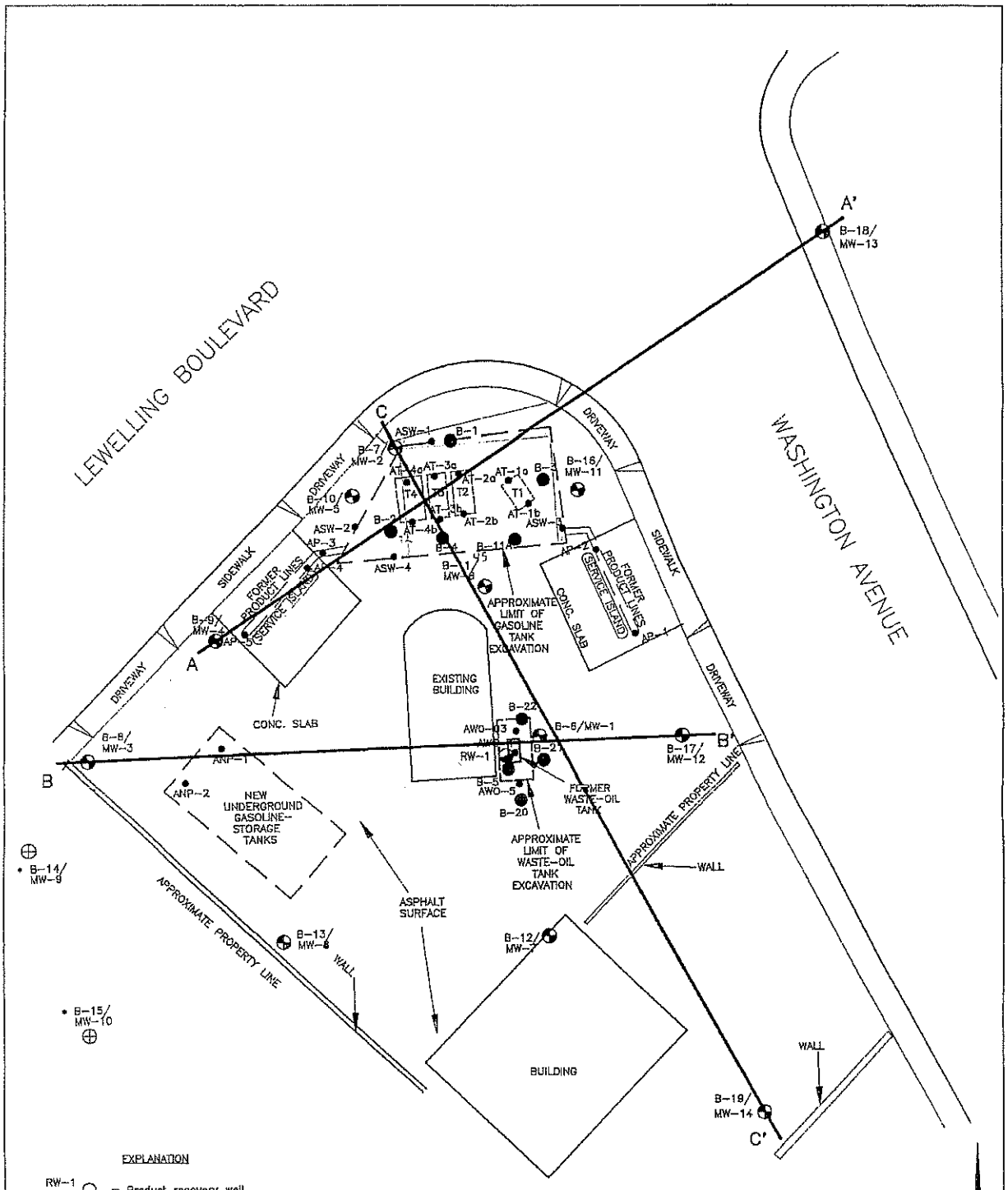
feet

RESNA
Working to Restore Nature

PROJECT 69034.11

GEOLOGIC CROSS SECTION A-A'
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
13



EXPLANATION

- RW-1 = Product recovery well (GeoStrategies, Jan. 1990)
- B-15/MW-10 = Proposed boring/groundwater monitoring well
- AWO-5 = Soil sample (GeoStrategies, Jan. 1990)
- B-19/MW-14 = Vapor extraction/ground-water monitoring well (RESNA/Applied GeoSystems, June 1990 through November 1992)
- B-22 = Soil boring (RESNA/Applied GeoSystems, August 1989 through October 1992)
- T4 = Former gasoline underground storage tanks
- C — C' = Geologic cross section locations
- * = Wells not yet installed due to difficulty obtaining access

Approximate Scale

30 15 0 30 60

feet

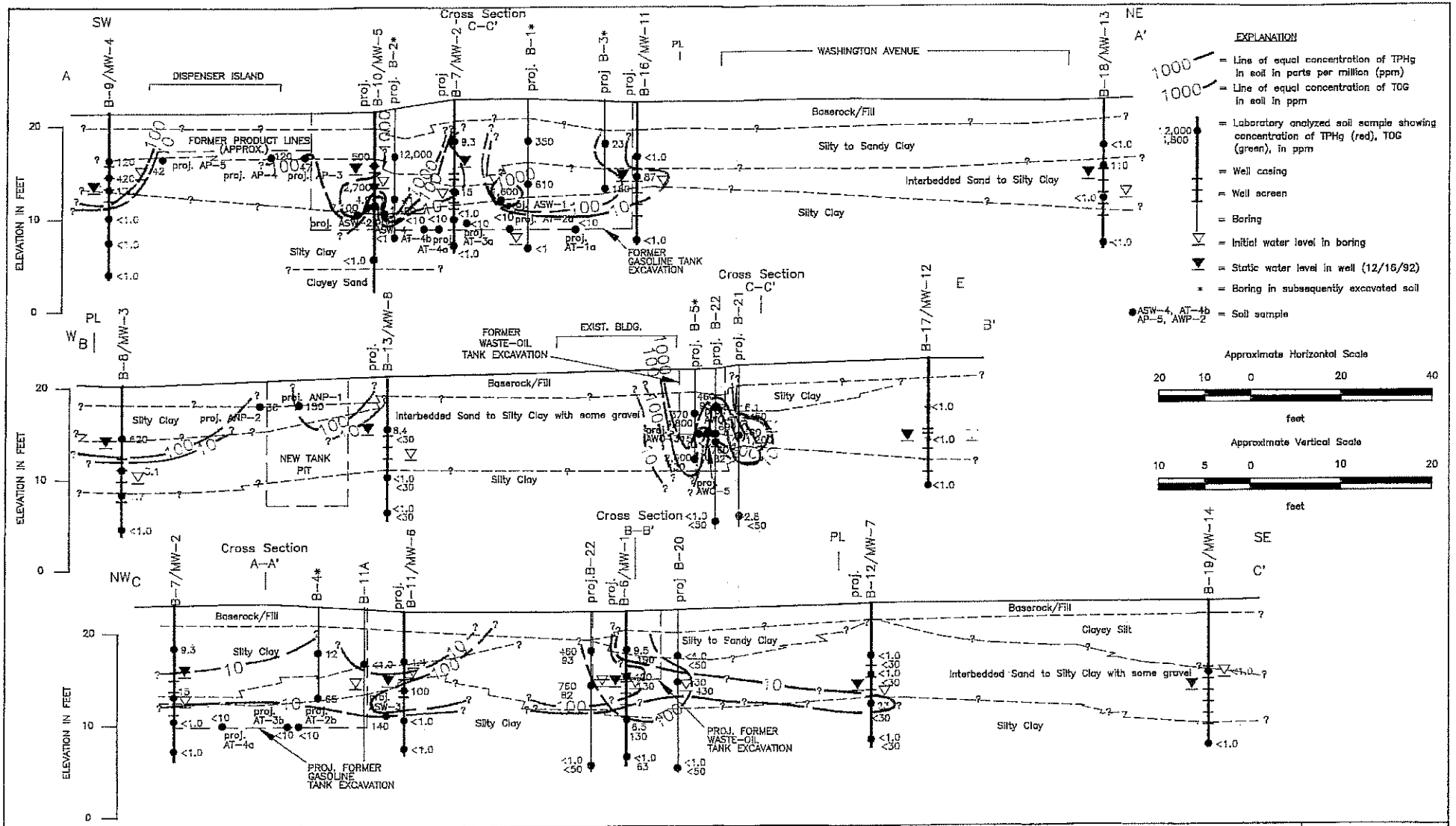
Source: Surveyed by Ron Archer, Civil Engineer Inc. modified by John Koch Land Surveyor.

RESNA
Working to Restore Nature

PROJECT 69034.10

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
2



RESNA
Working to Restore Nature

PROJECT 69034.10

GEOLOGIC CROSS SECTIONS A-A', B-B' AND C-C'
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE
11

APPENDIX E

Former Shell Station #129460 Soil Boring/Well Construction Logs
and Historical Ground-Water Data

Woodward-Clyde Con[illegible]hts

PROJECT NA[illegible]SETTLER-RYAN NO. 8820011A

MONITORING WELL LOCATION 15275 Washington Ave., San Leandro, CA (S-8)			ELEVATION AND DATUM
DRILLING AGENCY Bay Land Drilling	DRILLER Tom/Mack		DATE STARTED 11/3/88 DATE FINISHED
DRILLING EQUIPMENT CME - 55			COMPLETION DEPTH 24.5' - SAMPLER Modified California
DRILLING METHOD 8" Hollow stem auger	DRILL BIT CME Carbide		NO. OF SAMPLES DIST. 5 UNDIST. 5
SIZE AND TYPE OF CASING Sch 40 3" PVC	FROM 24.0 TO 0.5 FT.		WATER LEVEL FIRST ~8' COMPL. — 24 HRS. —
TYPE OF PERFORATION 0.02"	FROM 24.0 TO 4.0 FT.		LOGGED BY: R. Siegel
SIZE AND TYPE OF PACK 2/12 Monterey Sand	FROM 24.5 TO 3.0 FT.		CHECKED BY: M. Bonkowski
TYPE OF SEAL NO. 1 1/2" Bentonite Pellets	FROM 3 TO 2.5 FT.		
NO. 2 Cement grout	FROM 2.5 TO 0.5 FT.		

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION	USCS	Well Construction
			Asphaltic Concrete		
5	1*	5, 7, 9	FILL - SILTY CLAY some pebbles to 1", low plasticity, moist, low cohesion OVM = 43 ppm Very strong Hydrocarbon odor	CL	
10	2*	5, 7, 14	SILTY to SANDY CLAY mottled black and brown, fine to medium sand, a few pebbles to 1/4" diameter, poorly sorted, dry to moist OVM = 1.4 ppm	CL	
15	3*	5, 9, 14	as above, poor recovery, resampled from same depth gravels and pebbles present in clay, pebbles to 1/8", increased moisture, decreased cohesion OVM = 453 ppm	CL	
20	4*	3, 5, 7	as above then goes to (A tube), Silty to Sandy Clay, light brown, fine sand, moist to dry, moderate cohesion OVM = 4.8 ppm	CL	
	5*	5, 6, 10	No recovery after 2 attempts		
25			Total Depth = 24.5 feet * = Laboratory Sample		
30					
35					

Woodward-Clyde Cor. nts

PROJECT N. SETTLER-RYAN NO. 8820011A

MONITORING WELL LOCATION 15275 Washington Ave., San Leandro, CA (S-10)			ELEVATION AND DATUM
DRILLING AGENCY Bay Land Drilling	DRILLER Tom/Mack		DATE STARTED 11/4/88 DATE FINISHED
DRILLING EQUIPMENT CME - 55			COMPLETION DEPTH 18' - SAMPLER Modified California
DRILLING METHOD 8" Hollow stem auger	DRILL BIT CME Carbide		NO. OF SAMPLES DIST. 4 UNDIST. —
SIZE AND TYPE OF CASING Sch 40 3" PVC	FROM 18.0 TO 0.5 FT.		WATER LEVEL FIRST 8' +/- COMPL. 7.1' 24 HRS. —
TYPE OF PERFORATION 0.02"	FROM 17.5 TO 4.0 FT.		LOGGED BY: G. Heyman CHECKED BY: M. Bonkowski
SIZE AND TYPE OF PACK 2/12 Monterey Sand	FROM 18 TO 3.0 FT.		
TYPE OF SEAL NO. 1 1/2" Bentonite Pellets	FROM 3 TO 2.5 FT.		
NO. 2 Cement grout	FROM 2.5 TO surface FT.		

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION		USCS	Well Construction
			Asphaltic Concrete			
5	1*	pushed @ 140 lbs	SILTY to SANDY SILT dark gray, very fine sand, low plasticity, soft, moist, homogeneous	OVM = 0 ppm No Hydrocarbon odor	CL	
10	2*	3 4 7	Interlayered SILTY CLAY and CLAYEY SAND dark greenish gray, little very fine sand in clay, low plasticity, moist, wet with few saturated areas	OVM = 3.7 ppm No Hydrocarbon odor Weak Hydrocarbon odor in 20 minutes	CL-SC	
15	3	5 8 9	CLAY to SILTY CLAY light to medium brown, low to medium plasticity, moist, few off-white brittle veinlets 2 - 3 mm thick	OVM = 0 ppm No Hydrocarbon odor	CL-CH	
20	4	4 5 7	SILTY CLAY medium gray brown, some very fine sand, trace fine gravel, medium plasticity, wet to occasionally saturated	No Hydrocarbon odor	CL-CH	
25			Total Depth = feet * = Laboratory Sample			
30						
35						

Woodward-Clyde Consultants

PROJECT NAME: SETTLER-RYAN NO. 8820011A

MONITORING WELL LOCATION: 15275 Washington Ave., San Leandro, CA (S-11)			ELEVATION AND DATUM
DRILLING AGENCY: Bay Land Drilling	DRILLER: Tom/Mack		DATE STARTED: 11/4/88; DATE FINISHED
DRILLING EQUIPMENT: CME - 55			COMPLETION DEPTH: 24.5'
DRILLING METHOD: 8" Hollow stem auger	DRILL BIT: CME Carbide		NO. OF SAMPLES: DIST. 5
SIZE AND TYPE OF CASING: Sch 40 3" PVC	FROM 24.5 TO 0.5 FT.		WATER LEVEL: FIRST 8'
TYPE OF PERFORATION: 0.02"	FROM 24.0 TO 4.0 FT.		LOGGED BY: G. Heyman
SIZE AND TYPE OF PACK: 2/12 Monterey Sand	FROM 24.5 TO 3.5 FT.		CHECKED BY: M. Bonkowski
TYPE OF SEAL: NO. 1 1/2" Bentonite Pellets	FROM 3.5 TO 3.0 FT.		
TYPE OF SEAL: NO. 2 Cement grout	FROM 3.0 TO 0.5 FT.		

SAMPLER: Modified California

UNDIST. 5

COMPL. 7.8' 24 HRS. —

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION		USCS	Well Construction
			Asphaltic Concrete and base rock			
5	1	pushed @ 175 lbs	SILTY to SANDY CLAY greenish gray, silt and very fine grained sand, content varies venically, low plasticity, firm, moist, numerous vesicles less than 1 mm diameter	OVM = 110 ppm Moderate Hydrocarbon odor	CL	
				Strong Hydrocarbon odor in cuttings at 8'		
10	2	4, 7, 9	SILTY CLAY to CLAYEY SILT dark brown, little to some very fine sand, low plasticity, moist to wet, few vesicles	OVM = 0 ppm No Hydrocarbon odor	CL-ML	
15	3	5, 8, 11	SILTY CLAY greenish brown, little to some very fine sand, medium plasticity, wet with saturated areas, gravel layers 1 - 2" thick from 16 - 18' (driller)	OVM = 0 ppm No Hydrocarbon odor	CL	
20	4*	3, 4, 4	SILTY CLAY with Interbedded CLAYEY SAND to SANDY CLAY Clay is grayish brown, medium plasticity, wet with saturated areas, sand is light yellow brown, very fine grained, loose, wet to saturated, up to 3" thick	OVM = 0.5 ppm No Hydrocarbon odor	CL-SC	
25	5	4, 7, 8	SANDY CLAY to CLAYEY SAND layers are up to 5" thick, as above	No Hydrocarbon odor	CL	
			Total Depth = 24.5 feet			
			* = Laboratory Sample			
30						
35						

Woodward-Clyde Consultants

PROJECT NAME GETTLER-RYAN NO. 8820011A

MONITORING WELL LOCATION 15275 Washington Ave., San Leandro, CA (S-12)			ELEVATION AND DATUM
DRILLING AGENCY Bay Land Drilling	DRILLER Tom/Mack		DATE STARTED 11/4 / DATE FINISHED
DRILLING EQUIPMENT CME - 55			COMPLETION DEPTH 24.5' / SAMPLER Modified California
DRILLING METHOD 8" Hollow stem auger	DRILL BIT CME Carbide		NO. OF SAMPLES DIST. 5 / UNDIST. 5
SIZE AND TYPE OF CASING Sch 40 3" PVC	FROM 24.0 TO 0.5 FT.		WATER LEVEL FIRST 8' / COMPL. — / 24 HRS. —
TYPE OF PERFORATION 0.02"	FROM 23.5 TO 3.5 FT.		LOGGED BY: G. Heyman / CHECKED BY: M. Bonkowski
SIZE AND TYPE OF PACK 2/12 Monterey Sand	FROM 24.0 TO 3.0 FT.		
TYPE OF SEAL NO. 1 1/2" Bentonite Pellets	FROM 3 TO 2.5 FT.		
NO. 2 Cement grout	FROM 2.5 TO surface FT.		

Depth (feet)	Samples	Blows	MATERIAL DESCRIPTION		USCS	Well Construction
			Asphaltic Concrete			
5	1	pushed @ 200 lbs	CLAYEY SAND to SANDY CLAY grading down to SILTY CLAY TO CLAYEY SILT greenish gray at top with gray mottling in middle and bottom of sample, very fine sand, low plasticity, moist, generally homogeneous	OVM jumped to 190 ppm then settled at 120 ppm Weak Hydrocarbon odor	CL	
10	2	4 5 7	SILTY CLAY dark brownish gray, some very fine sand, low plasticity, firm, moist to wet, few beds of clay, sand to 1/4" thick	OVM = 20 ppm Weak Hydrocarbon odor	CL	
15	3	5 6 11	CLAY to SILTY CLAY medium grayish brown, some silt grading to silty clay, medium plasticity, wet homogeneous Driller indiccates drilling through a series of 2 - 4" gravel layers from 16 - 19'	OVM = 0 ppm No Hydrocarbon odor	CL	
20	4	3 4 5	CLAY to SANDY CLAY medium grayish brown, little to some very fine sand occasionally grading to sandy clay, low to medium plasticity, firm, saturated	No Hydrocarbon odor	CL	
			CLAYEY SAND to SANDY CLAY medium yellow brown, very fine sand, saturated	OVM = 1 ppm No Hydrocarbon odor		
	5	4 5 7	SILTY CLAY to CLAYEY SILT medium yellow brown, up to some very fine sand, low to medium plasticity, saturated	OVM = 0 ppm No Hydrocarbon odor	CL	
25			Total Depth = 24.5 feet * = Laboratory Sample			
30						

LOG OF MONITORING WELL NO. S-12 SHEET 1 OF 1

Field location of boring:

Project No.: 7615	Date: 4/26/89	Boring No: S-13	
Client: Shell			
Location: 15275 Washington Ave/Lewelling			
City: San Leandro		Sheet 1 of 2	
Logged by: DAF	Driller: Bayland		

Casing installation data:

Drilling method: Hollow Stem Auger

Hole diameter: 8 inch

Top of Box Elevation: Datum:

Water Level	8.4'	7.3'		
Time	11:50am			
Date	4/26	5/10		

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				1				PAVEMENT SECTION - 2 feet.
				2				
				3				CLAY (CL)- dark gray (10YR 4/1); soft; damp; low plasticity; trace gravel; no chemical odor.
				4				
350	150	S&H	S-13-5'	5				color change to dark olive gray (5Y 3/2); no chemical odor.
		push		6				
				7				
				8				
				9				▼
50	2	S&H	S-13-	10				SILTY SAND (SM)- light olive brown (2.5Y 5/4); loose; damp; 20-30% silt; mottled brown; no chemical odor.
	3		10'					
	6			11				
				12				CLAY (CL)- dark olive gray (5Y 3/2), medium stiff; damp; low plasticity; trace gravel; rootholes; no chemical odor.
				13				
				14				
40	3	S&H	S-13-	15				color change to very dark gray (5Y 3/1) mottled; organics present; no chemical odor.
	5		15'					
	7			16				
				17				▽ becoming saturated at 17.5 feet.
				18				
				19				
0	2	S&H	S-13-	20				SANDY SILT (ML)- light yellowish brown (2.5Y 6/4); medium stiff; saturated;
	3		20'					

Remarks:

GeoStrategies Inc.

BORING NO. S-13

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7615	CEG 1262	5/89		

Field location of boring:

Project No.: 7615	Date: 4/26/89	Boring No: S-13	
Client: Shell			
Location: 15275 Washington Ave/Lewelling			
City: San Leandro		Sheet 2 of 2	
Logged by: DAF	Driller: Bayland		

Casing installation data:

Drilling method: Hollow Stem Auger

Hole diameter: 8 inch

Top of Box Elevation: Datum:

Water Level				
Time				
Date				

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	4							15% very fine to fine sand; 10% clay;
				21				trace organics; rootholes; mottled
								brown & black; no chemical odor.
				22				
				23				
				24				
25	2	S&H	S-13-					SILTY CLAY (CL-ML)- light olive brown
	3		25'	25				(2.5Y 5/4); medium stiff; moist; trace
	4							organics; mottled brown & black;
								no chemical odor.
								Bottom of boring 24.0 feet,
								Sampled to 25.5 feet
								4/26/89

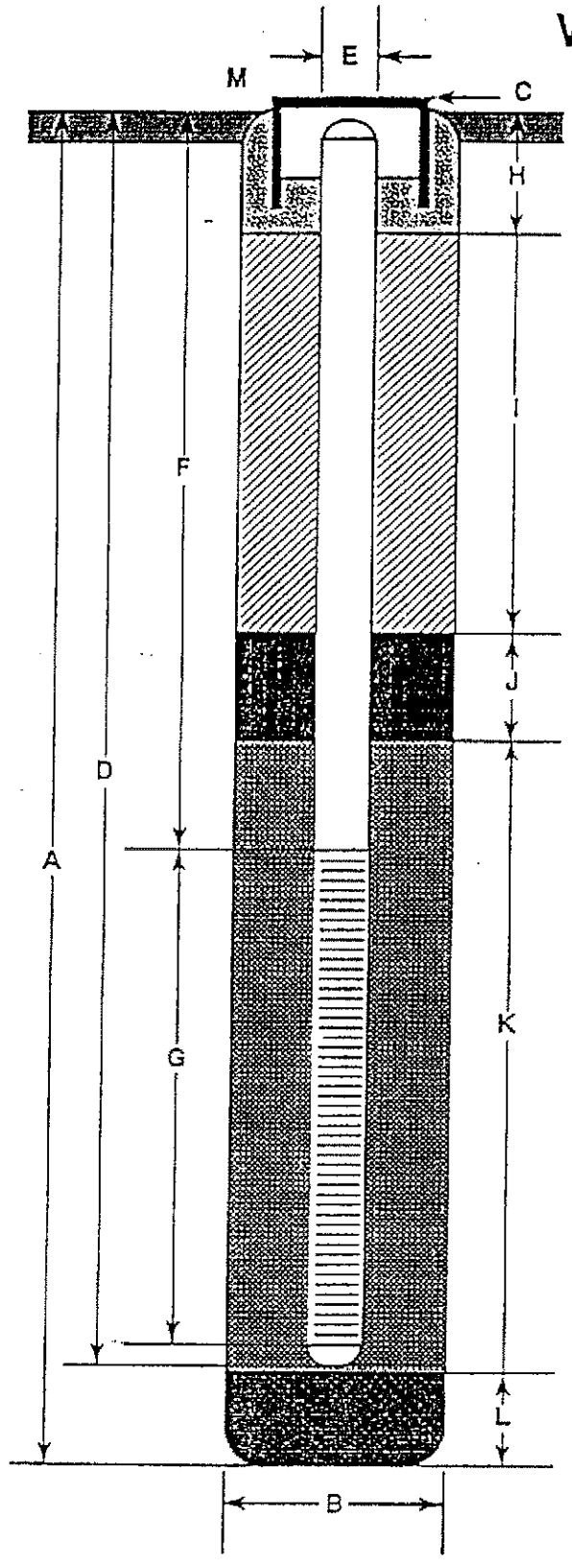
Remarks:

GSI GeoStrategies Inc.

BORING NO. S-13

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7615		5/89		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 24 ft.

B Diameter of Boring 8 in.
Drilling Method HOLLOW STEM AUGER

C Top of Box Elevation 20.57 ft.
☐ Referenced to Mean Sea Level
☒ Referenced to Project Datum

D Casing Length 23.5 ft.
Material SCH 40 PVC

E Casing Diameter 3 in.

F Depth to Top Perforations 4 ft.

G Perforated Length 20 ft.
Perforated Interval from 4 to 24 ft.
Perforation Type FACTORY SLOTTED
Perforation Size 0.020

H Surface Seal 2.5 ft.
Seal Material CONCRETE

I Backfill ft.
Backfill Material

J Seal 0.5 ft.
Seal Material BENTONITE

K Gravel Pack 21 ft.
Pack Material LONESTAR 2/12 & #3

L Bottom Seal ft.
Seal Material

M CHRISTY BOX

GeoStrategies Inc.

Well Construction Detail
Former Shell Service Station
15275 Washington Ave.
San Leandro

WELL NO.
S-13

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7615	CMP CEG 1262	5/89		

Field location of boring:

Project No.: 7615	Date: 4/26/89	Boring No: S-14	
Client: Shell			
Location: 15275 Washington Ave/Lewelling			
City: San Leandro		Sheet 1 of 2	
Logged by: DAF	Driller: Bayland		

Casing installation data:

Drilling method: Hollow Stem Auger

Hole diameter: 8 inch

Top of Box Elevation: Datum:

Water Level	9'			
Time	10:00am			
Date	4/26/89			

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
				1				PAVEMENT SECTION - 2 feet.
				2				
				3				SILTY CLAY (CL-ML)- dark gray (2.5Y N4); soft; damp.
				4				becoming firm at 5 feet; with slight
500	150	S&H	S-14-5'	5				odor.
		push		6				
				7				SILTY SAND (SM)- olive (5Y 4/3); loose;
				8				damp; 30% medium sand; 20% very fine to fine sand; trace clay; no chemical odor, comment: drill cuttings.
				9				▼ CLAY (CL)- dark gray (2.5Y N4); stiff;
50	2	S&H	S-14-	10				damp; low plasticity; no chemical odor.
	3		10'					CLAY WITH SAND (CL)- light yellowish
	4			11				brown (2.5Y 6/4); medium stiff; damp;
				12				10% very fine to fine sand; 5-10% silt; trace caliche nodules; mottled; no
				13				chemical odor.
				14				CLAY (CL)- dark gray (2.5Y N4); stiff;
0	2	S&H	S-14-	15				damp; low plasticity; pockets of silt;
	6		15'					trace black & brown organics; no
	7			16				chemical odor.
				17				color change to grayish brown (2.5Y 5/2) at 15 feet.
				18				
				19				▽ becoming saturated at 19 feet.
50	2	S&H	S-14-	20				
	6		20'					

Remarks:

GeoStrategies Inc.

BORING NO. S-14

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7615	CEG 1262	5/89		

Field location of boring:

Project No.: 7615	Date: 4/26/89	Boring No: S-14	
Client: Shell			
Location: 15275 Washington Ave/Lewelling			
City: San Leandro		Sheet 2 of 2	
Logged by: DAF	Driller: Bayland		

Casing installation data:

Drilling method: Hollow Stem Auger

Hole diameter: 8 inch

Top of Box Elevation: Datum:

Water Level				
Time				
Date				

PID (ppm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Description
	7							
				21				SANDY SILT (ML)- light yellowish brown (2.5Y 6/4); medium stiff; saturated; 30% very fine to fine sand; 5-10% clay; trace caliche nodules; mottled brown & black; no chemical odor.
				22				
				23				
				24				
	2	SPT						
	2			25				CLAY (CL)- grayish brown (2.5Y 5/2); medium stiff; damp; low plasticity; trace caliche nodules; no chemical odor
	4							
								Bottom of boring 24.0 feet, sampled to 25.5 feet 4/26/89

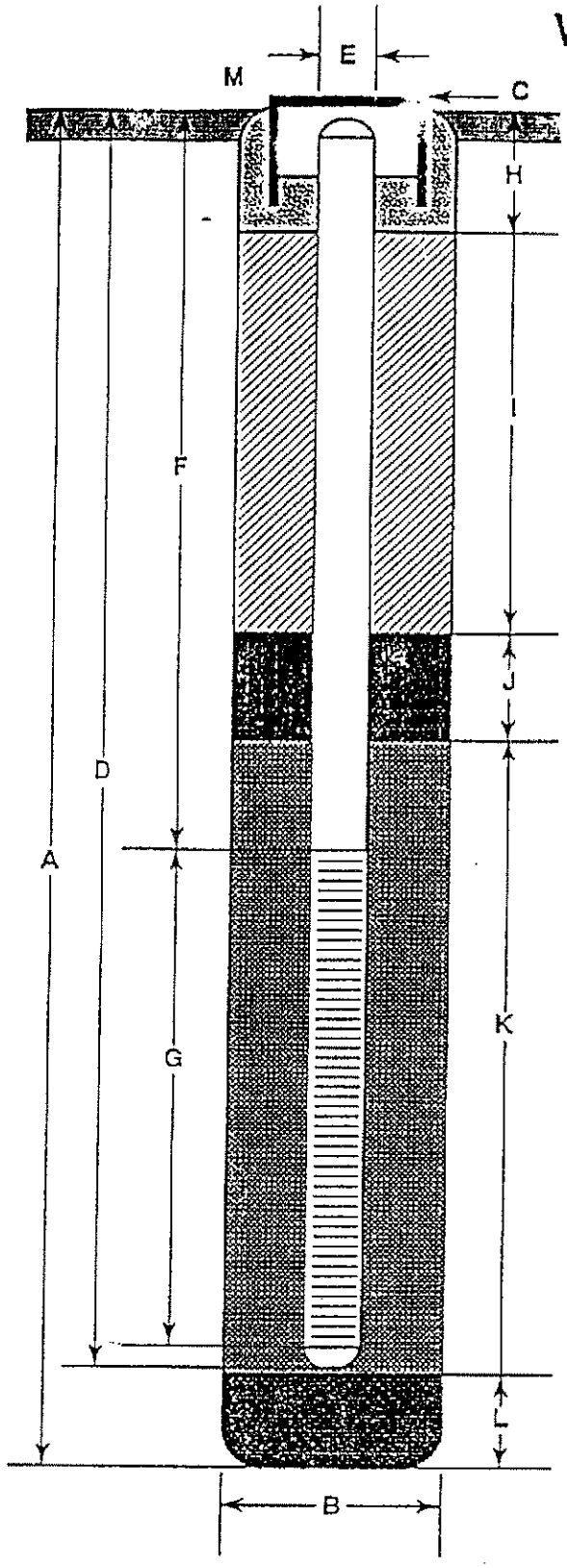
Remarks:

GeoStrategies Inc.

BORING NO. S-14

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7615		5/89		

WELL CONSTRUCTION DETAIL



A Total Depth of Boring 24 ft.

B Diameter of Boring 8 in.
Drilling Method HOLLOW STEM AUGER

C Top of Box Elevation 20.44 ft.
☐ Referenced to Mean Sea Level
☒ Referenced to Project Datum

D Casing Length 23.5 ft.
Material SCH 40 PVC

E Casing Diameter 3 in.

F Depth to Top Perforations 4 ft.

G Perforated Length 20 ft.
Perforated Interval from 4 to 24 ft.
Perforation Type FACTORY SLOTTED
Perforation Size 0.020

H Surface Seal 2.5 ft.
Seal Material CONCRETE

I Backfill ft.
Backfill Material

J Seal 0.5 ft.
Seal Material BENTONITE

K Gravel Pack 21 ft.
Pack Material LONESTAR 2/12 & #3

L Bottom Seal ft.
Seal Material

M CHRISTY BOX

GeoStrategies Inc.

Well Construction Detail
Former Shell Service Station
15275 Washington Ave.
San Leandro

WELL NO.
S-14

JOB NUMBER	REVIEWED BY RG/CEG	DATE	REVISED DATE	REVISED DATE
7615	CWP CEG 1262	5/89		

TABLE 1
WELL CONCENTRATIONS
Former Shell Service Station
15275 Washington Boulevard
San Leandro, CA

Well ID	Date	TPPH (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	NA	NA	NA	NA	NA	NA	21.55	NA	NA	NA	NA
S-1	9/6/1988	<50	<0.5	<1	<1	<0.3	NA	NA	21.55	NA	NA	NA	NA
S-1	11/16/1988	<50	<0.5	<1	<1	<0.3	NA	NA	21.55	8.01	13.54	NA	NA
S-1	2/27/1989	<50	0.5	<1	<1	<0.3	NA	NA	21.55	NA	NA	NA	NA
S-1	5/4/1989	<50	1.0	<1	<1	<0.3	NA	NA	21.55	NA	NA	NA	NA
S-1	8/10/1989	<50	0.7	<1	<1	<0.3	NA	NA	21.55	7.93	13.62	NA	NA
S-1	10/10/1989	<50	<0.5	<1	<1	<0.3	NA	NA	21.55	8.09	13.46	NA	NA
S-1	1/25/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	21.55	7.73	13.82	NA	NA
S-1	4/18/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	21.55	7.91	13.64	NA	NA
S-1	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.55	7.72	13.83	NA	NA
S-1	10/18/1990	80	5	<0.5	<0.5	3.0	NA	NA	21.55	8.55	13.00	NA	NA
S-1	1/28/1991	<50	4.5	<0.5	<0.5	2.0	NA	NA	21.55	8.52	13.03	NA	NA
S-1	4/25/1991	80a	3.7	<0.5	0.7	2.0	NA	NA	21.55	7.18	14.37	NA	NA
S-1	7/9/1991	200	16	<0.5	1.3	5.8	NA	NA	21.55	8.22	13.33	NA	NA
S-1	10/8/1991	<50	2.3	<0.5	<0.5	<0.5	NA	NA	21.55	8.70	12.85	NA	NA
S-1	2/5/1992	160	8.9	<0.5	2.1	6.0	NA	NA	21.55	8.14	13.41	NA	NA
S-1	4/28/1992	<50	2.4	<0.5	<0.5	0.9	NA	NA	21.55	7.52	14.03	NA	NA
S-1	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.55	8.28	13.27	NA	NA
S-1	10/26/1992	57	3.0	1.6	1.4	1.7	NA	NA	21.55	8.74	12.81	NA	NA
S-1	1/14/1993	490	53	1.2	20	33	NA	NA	21.55	5.91	15.64	NA	NA
S-1	4/16/1993	240	20	<0.5	15	240	NA	NA	21.55	6.66	14.89	NA	NA
S-1	7/23/1993	<50	0.5	<0.5	<0.5	<0.5	NA	NA	21.55	7.53	14.02	NA	NA
S-1	10/27/1993	60	5.9	<0.5	2.5	1.7	NA	NA	21.55	8.20	13.35	NA	NA
S-1	1/27/1994	<50	2.1	<0.5	<0.5	0.63	NA	NA	21.55	7.26	14.29	NA	NA
S-1	5/5/1994	57	3.9	<0.5	1.9	1.9	NA	NA	21.27	7.38	13.89	NA	NA
S-1	7/26/1994	<50	2.2	<0.3	<0.3	<0.6	NA	NA	21.27	7.86	13.41	NA	NA
S-1	10/28/1994	<50	0.8	<0.3	<0.3	0.8	NA	NA	21.27	7.86	13.41	NA	NA
S-1	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.27	6.85	14.42	NA	NA

TABLE 1
WELL CONCENTRATIONS
Former Shell Service Station
15275 Washington Boulevard
San Leandro, CA

Well ID	Date	TPPH (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	4/14/1995	NA	NA	NA	NA	NA	NA	NA	21.27	6.08	15.19	NA	NA
S-1	7/28/1995	60	2.2	<0.5	1.3	1.2	NA	NA	21.27	6.79	14.48	NA	NA
S-1	10/17/1995	60	2.6	<0.5	1.2	1.3	NA	NA	21.27	7.04	14.23	NA	NA
S-1	1/11/1996	<50	2.0	<0.5	<0.5	<0.5	<2	NA	21.27	6.40	14.87	NA	NA
S-1	4/2/1996	NA	NA	NA	NA	NA	NA	NA	21.27	5.84	15.43	NA	NA
S-1	7/9/1996	NA	NA	NA	NA	NA	NA	NA	21.27	6.50	14.77	NA	NA
S-1	10/10/1996	NA	NA	NA	NA	NA	NA	NA	21.27	7.31	13.96	NA	NA
S-1	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	NA	21.27	5.50	15.77	NA	NA
S-1	4/8/1997	NA	NA	NA	NA	NA	NA	NA	21.27	7.03	14.24	NA	NA
S-1	7/21/1997	NA	NA	NA	NA	NA	NA	NA	21.27	7.00	14.27	NA	NA
S-1	10/8/1997	NA	NA	NA	NA	NA	NA	NA	21.27	7.51	13.76	NA	NA
S-1	1/15/1998	420	16	<0.50	4.6	3.9	26	NA	21.27	5.43	15.84	NA	NA
S-1	4/14/1998	NA	NA	NA	NA	NA	NA	NA	21.27	5.55	15.72	NA	NA
S-1	7/14/1998	NA	NA	NA	NA	NA	NA	NA	21.33	6.38	14.95	NA	NA
S-1	10/20/1998	NA	NA	NA	NA	NA	NA	NA	21.33	7.48	13.85	NA	NA
S-1	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2.53	NA	21.33	6.37	14.96	NA	NA
S-1	4/8/1999	NA	NA	NA	NA	NA	NA	NA	21.33	5.93	15.40	NA	NA
S-1	7/23/1999	NA	NA	NA	NA	NA	NA	NA	21.33	7.20	14.13	NA	NA
S-1	10/26/1999	NA	NA	NA	NA	NA	NA	NA	21.33	7.61	13.72	NA	NA
S-1	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	4.73	NA	21.33	7.76	13.57	NA	NA
S-1	4/14/2000	NA	NA	NA	NA	NA	NA	NA	21.33	6.35	14.98	NA	NA
S-1	7/12/2000	NA	NA	NA	NA	NA	NA	NA	21.33	7.05	14.28	NA	NA
S-1	11/1/2000	NA	NA	NA	NA	NA	NA	NA	21.33	6.51	14.82	NA	NA
S-1	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	21.33	7.49	13.84	NA	NA
S-1	4/24/2001	NA	NA	NA	NA	NA	NA	NA	21.33	6.85	14.48	NA	NA
S-1	7/2/2001	NA	NA	NA	NA	NA	NA	NA	21.33	7.65	13.68	NA	NA
S-1	11/2/2001	NA	NA	NA	NA	NA	NA	NA	21.33	7.84	13.49	NA	NA
S-1	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	21.33	6.16	15.17	NA	NA

TABLE 1
WELL CONCENTRATIONS
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Well ID	Date	TPPH (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	4/1/2002	NA	NA	NA	NA	NA	NA	NA	21.33	6.57	14.76	NA	NA
S-1	7/11/2002	NA	NA	NA	NA	NA	NA	NA	21.33	7.52	13.81	NA	NA
S-1	10/28/2002	NA	NA	NA	NA	NA	NA	NA	21.33	7.99	13.34	NA	NA
S-1	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	5.6	21.33	6.46	14.87	NA	NA
S-1	4/30/2003	NA	NA	NA	NA	NA	NA	NA	21.33	6.18	15.15	NA	NA
S-1	7/1/2003	NA	NA	NA	NA	NA	NA	NA	21.33	7.38	13.95	NA	NA
S-1	10/8/2003	NA	NA	NA	NA	NA	NA	NA	21.33	7.87	13.46	NA	NA
S-1	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.33	6.90	14.43	NA	NA
S-1	7/13/2004	NA	NA	NA	NA	NA	NA	NA	21.33	7.83	13.50	NA	NA
S-1	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.33	5.68	15.65	NA	NA
S-1	7/19/2005	NA	NA	NA	NA	NA	NA	NA	21.33	6.35	14.98	NA	NA
S-1	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	21.33	6.05	15.28	NA	NA
S-1	7/25/2006	NA	NA	NA	NA	NA	NA	NA	21.33	7.12	14.21	NA	NA
S-1	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.33	6.75	14.58	NA	NA
S-1	7/24/2007	NA	NA	NA	NA	NA	NA	NA	21.33	7.73	13.60	NA	NA
S-1	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	21.33	6.10	15.23	NA	NA
S-1	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**21.33**	**7.76**	**13.57**	**NA**	**NA**
S-3	9/6/1988	96000	3400	9500	2700	17000	NA	NA	21.14	NA	NA	NA	NA
S-3	11/16/1988	70000	4600	8400	2500	13000	NA	NA	21.14	7.76	13.38	NA	NA
S-3	2/27/1989	32000	2400	3100	1500	6400	NA	NA	21.14	NA	NA	NA	NA
S-3	5/4/1989	47000	4400	300	2400	15000	NA	NA	21.14	NA	NA	NA	NA
S-3	8/10/1989	110000	5700	5700	3200	19000	NA	NA	21.14	7.92	13.22	NA	NA
S-3	10/10/1989	52000	4600	3300	2600	15000	NA	NA	21.14	8.00	13.14	NA	NA
S-3	1/25/1990	420000	5200	4100	6700	34000	NA	NA	21.14	7.54	13.60	NA	NA
S-3	4/18/1990	58000	3800	1400	2400	12000	NA	NA	21.14	7.74	13.40	NA	NA
S-3	7/23/1990	49000	3400	1800	2300	12000	NA	NA	21.14	7.55	13.59	NA	NA
S-3	10/18/1990	44000	3500	650	2400	11000	NA	NA	21.14	8.47	12.67	NA	NA

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S-3	1/28/1991	64000	40900	570	1940	8090	NA	NA	21.14	8.38	12.76	NA	NA
S-3	4/25/1991	120000	3900	3600	2400	8900	NA	NA	21.14	6.91	14.23	NA	NA
S-3	7/9/1991	50000	3600	2300	1800	10000	NA	NA	21.14	8.07	13.07	NA	NA
S-3	10/8/1991	130000	3600	1000	2800	8400	NA	NA	21.14	8.61	12.53	NA	NA
S-3	2/5/1992	150000	2500	670	2700	10000	NA	NA	21.14	7.80	13.34	NA	NA
S-3	4/28/1992	120000	2200	1200	2000	5800	NA	NA	21.14	7.27	13.87	NA	NA
S-3	7/27/1992	190000	1400	<1250	<1250	3400	NA	NA	21.14	8.10	13.04	NA	NA
S-3	10/26/1992	950000	2000	8400	16000	36000	NA	NA	21.14	8.62	12.52	NA	NA
S-3	1/14/1993	41000	2700	2500	1800	6900	NA	NA	21.14	5.16	15.98	NA	NA
S-3	4/16/1993	40000	930	2800	1900	14000	NA	NA	21.14	7.18	13.96	NA	NA
S-3	7/23/1993	87000	1600	<5	1300	4000	NA	NA	21.14	7.34	13.80	NA	NA
S-3	10/27/1993	36000	2200	<500	1500	3200	NA	NA	21.14	8.03	13.11	NA	NA
S-3	1/27/1994	190000	3200	3100	4100	15000	NA	NA	21.14	6.79	14.35	NA	NA
S-3	5/5/1994	36000	1100	490	1600	4700	NA	NA	20.48	6.75	13.73	NA	NA
S-3	7/26/1994	18000	1039	170.5	845.4	967.5	NA	NA	20.48	7.30	13.18	NA	NA
S-3	10/28/1994	25869	467.9	294	546.2	343.3	NA	NA	20.48	8.36	12.12	NA	NA
S-3	1/2/1995	23000	850	260	900	2100	NA	NA	20.48	6.36	14.12	NA	NA
S-3	4/14/1995	33000	720	670	1600	6600	NA	NA	20.48	5.87	14.61	NA	NA
S-3	7/28/1995	12000	540	<10	580	780	NA	NA	20.48	6.33	14.15	NA	NA
S-3	10/17/1995	Well inaccessible		NA	NA	NA	NA	NA	20.48	6.48	14.00	NA	NA
S-3	1/11/1996	16000	520	290	740	2600	<200	NA	20.48	5.80	14.68	NA	NA
S-3	4/2/1996	NA	NA	NA	NA	NA	NA	NA	20.48	5.00	15.48	NA	NA
S-3	7/9/1996	NA	NA	NA	NA	NA	NA	NA	20.48	5.93	14.55	NA	NA
S-3	10/10/1996	NA	NA	NA	NA	NA	NA	NA	20.48	6.73	13.75	NA	NA
S-3	1/9/1997	30000	420	330	1500	6300	<500	NA	20.48	4.72	15.76	NA	NA
S-3	4/8/1997	NA	NA	NA	NA	NA	NA	NA	20.48	6.63	13.85	NA	NA
S-3	7/21/1997	NA	NA	NA	NA	NA	NA	NA	20.48	6.18	14.30	NA	NA
S-3	10/8/1997	NA	NA	NA	NA	NA	NA	NA	20.48	6.83	13.65	NA	NA

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S-3	1/15/1998	21000	300	51	770	2800	<100	NA	20.48	4.30	16.18	NA	NA
S-3 (D)	1/15/1998	14000	330	63	920	3400	<250	NA	20.48	NA	NA	NA	NA
S-3	4/14/1998	NA	NA	NA	NA	NA	NA	NA	20.48	4.37	16.11	NA	NA
S-3	7/14/1998	NA	NA	NA	NA	NA	NA	NA	20.48	5.47	15.01	NA	NA
S-3	10/20/1998	Well inaccessible		NA	NA	NA	NA	NA	20.48	NA	NA	NA	NA
S-3	1/22/1999	40000	313	194	2200	8800	<40.0	NA	20.48	5.71	14.77	NA	NA
S-3	4/8/1999	NA	NA	NA	NA	NA	NA	NA	20.48	4.95	15.53	NA	NA
S-3	7/23/1999	NA	NA	NA	NA	NA	NA	NA	20.48	6.78	13.70	NA	NA
S-3	10/26/1999	NA	NA	NA	NA	NA	NA	NA	20.48	7.25	13.23	NA	NA
S-3	1/3/2000	39700	150	61.8	1690	7720	445	NA	20.48	7.46	13.02	NA	NA
S-3	4/14/2000	NA	NA	NA	NA	NA	NA	NA	20.48	5.64	14.84	NA	NA
S-3	7/12/2000	Well inaccessible		NA	NA	NA	NA	NA	20.48	NA	NA	NA	NA
S-3	11/1/2000	NA	NA	NA	NA	NA	NA	NA	20.48	6.72	13.76	NA	NA
S-3	1/3/2001	25000	89.0	<50.0	1270	5180	<250	NA	20.48	7.14	13.34	NA	NA
S-3	4/24/2001	Well inaccessible		NA	NA	NA	NA	NA	20.48	NA	NA	NA	NA
S-3	7/2/2001	NA	NA	NA	NA	NA	NA	NA	20.48	7.28	13.20	NA	3.2
S-3	11/2/2001	NA	NA	NA	NA	NA	NA	NA	20.48	7.64	12.84	NA	3.5
S-3	1/16/2002	Well inaccessible		NA	NA	NA	NA	NA	20.48	NA	NA	NA	NA
S-3	4/1/2002	NA	NA	NA	NA	NA	NA	NA	20.48	5.99	14.49	NA	3.8
S-3	7/11/2002	NA	NA	NA	NA	NA	NA	NA	20.48	7.21	13.27	NA	0.7
S-3	10/28/2002	NA	NA	NA	NA	NA	NA	NA	20.85	7.90	12.95	NA	e
S-3	1/23/2003	28000	60	13	970	3700	NA	<50	20.85	6.00	14.85	NA	0.3
S-3	4/30/2003	NA	NA	NA	NA	NA	NA	NA	20.85	5.34	15.51	NA	1.0
S-3	7/1/2003	NA	NA	NA	NA	NA	NA	NA	20.85	7.28	13.57	NA	1.0
S-3	10/8/2003	NA	NA	NA	NA	NA	NA	NA	20.85	7.63	13.22	NA	26.9
S-3	1/22/2004	3200	5.7	<2.5	16	320	NA	NA	20.85	6.53	14.32	NA	0.5
S-3	7/13/2004	Well inaccessible		NA	NA	NA	NA	NA	20.85	NA	NA	NA	NA
S-3	7/21/2004	3100	4.1	<2.5	10	130	NA	NA	20.85	7.64	13.21	NA	2.2

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Well ID	Date	TPPH (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	1/20/2005	93	<0.50	<0.50	1.3	1.8	NA	NA	20.85	5.78	15.07	NA	0.8
S-3	7/19/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.85	6.35	14.50	NA	NA
S-3	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	20.85	5.55	15.30	NA	NA
S-3	7/25/2006	100	<1.00	<1.00	<1.00	<3.00	NA	NA	20.85	7.09	13.76	NA	NA
S-3	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.85	6.53	14.32	NA	NA
S-3	7/24/2007	590 g,h	0.99	<1.0	0.25 i	0.99 i	NA	NA	20.85	7.44	13.41	NA	NA
S-3	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	20.85	5.41	15.44	NA	NA
S-3	**8/4/2008**	**76**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**20.85**	**6.62**	**14.23**	**NA**	**NA**
S-5	1/8/1987	7800	380	510	NA	1000	NA	NA	21.41	NA	NA	NA	NA
S-5	9/6/1988	7000	2600	60	400	700	NA	NA	21.41	NA	NA	NA	NA
S-5	11/16/1988	3000	660	60	120	220	NA	NA	21.41	NA	NA	NA	NA
S-5	2/27/1989	5700	2000	220	260	320	NA	NA	21.41	NA	NA	NA	NA
S-5	5/4/1989	9000	3000	600	630	1700	NA	NA	21.41	NA	NA	NA	NA
S-5	8/10/1989	5100	1100	<50	270	400	NA	NA	21.41	8.28	13.13	NA	NA
S-5	10/10/1989	15000	3300	160	830	2200	NA	NA	21.41	8.32	13.09	NA	NA
S-5	1/25/1990	12000	2400	360	570	1400	NA	NA	21.41	8.20	13.21	NA	NA
S-5	4/18/1990	5200	1100	40	300	460	NA	NA	21.41	8.32	13.09	NA	NA
S-5	7/23/1990	5500	1300	140	320	730	NA	NA	21.41	8.03	13.38	NA	NA
S-5	10/18/1990	12000	3200	40	720	900	NA	NA	21.41	9.03	12.38	NA	NA
S-5	1/28/1991	2550	410	15	110	60	NA	NA	21.41	8.80	12.61	NA	NA
S-5	4/25/1991	67000	5100	3100	2800	11000	NA	NA	21.41	7.40	14.01	NA	NA
S-5	7/9/1991	4900	480	36	360	1000	NA	NA	21.41	8.52	12.89	NA	NA
S-5	10/8/1991	6600	370	7.0	190	380	NA	NA	21.41	9.00	12.41	NA	NA
S-5	2/5/1992	44000	4800	850	2700	8400	NA	NA	21.41	8.11	13.30	NA	NA
S-5	4/28/1992	33000	1400	320	1600	5200	NA	NA	21.41	7.70	13.71	NA	NA
S-5	7/27/1992	20000	2400	<25	1800	2300	NA	NA	21.41	8.52	12.89	NA	NA
S-5	10/26/1992	21000	1600	140	1500	2800	NA	NA	21.41	9.02	12.39	NA	NA

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S-5	1/14/1993	54000	1900	1000	2700	16000	NA	NA	21.41	5.22	16.19	NA	NA
S-5	4/16/1993	42000	2000	1300	4300	18000	NA	NA	21.41	7.04	14.37	NA	NA
S-5	7/23/1993	46000	2500	2200	3400	11000	NA	NA	21.41	7.75	13.66	NA	NA
S-5	10/27/1993	6500	990	31	1100	1000	NA	NA	21.41	8.49	12.92	NA	NA
S-5	1/27/1994	34000	1800	580	2900	9700	NA	NA	21.41	7.04	14.37	NA	NA
S-5	5/5/1994	24000	670	70	1400	2700	NA	NA	21.03	7.20	13.83	NA	NA
S-5	7/27/1994	4700	193.6	33.1	332.3	281.2	NA	NA	21.03	7.72	13.31	NA	NA
S-5	10/28/1994	3200	167.3	18	238.7	104.5	NA	NA	21.03	7.82	13.21	NA	NA
S-5	1/2/1995	18000	1300	220	3400	10000	NA	NA	21.03	6.65	14.38	NA	NA
S-5	4/14/1995	NA	NA	NA	NA	NA	NA	NA	21.03	5.99	15.04	NA	NA
S-5	7/28/1995	25000	440	74	1700	4500	NA	NA	21.03	6.77	14.26	NA	NA
S-5 (D)	7/28/1995	25000	450	<50	1700	4600	NA	NA	21.03	NA	NA	NA	NA
S-5	10/17/1995	18000	360	24	1300	2200	NA	NA	21.03	7.00	14.03	NA	NA
S-5	1/11/1996	41000	420	180	1600	9500	<200	NA	21.03	6.22	14.81	NA	NA
S-5	4/2/1996	NA	NA	NA	NA	NA	NA	NA	21.03	5.44	15.59	NA	NA
S-5	7/9/1996	NA	NA	NA	NA	NA	NA	NA	21.03	6.41	14.62	NA	NA
S-5	10/10/1996	NA	NA	NA	NA	NA	NA	NA	21.03	7.19	13.84	NA	NA
S-5	1/9/1997	38000	130	43	160	6200	<125	NA	21.03	5.03	16.00	NA	NA
S-5 (D)	1/9/1997	36000	130	<50	160	5600	<250	NA	21.03	NA	NA	NA	NA
S-5	4/8/1997	NA	NA	NA	NA	NA	NA	NA	21.03	7.20	13.83	NA	NA
S-5	7/21/1997	NA	NA	NA	NA	NA	NA	NA	21.03	6.82	14.21	NA	NA
S-5	10/8/1997	NA	NA	NA	NA	NA	NA	NA	21.03	7.31	13.72	NA	NA
S-5	1/15/1998	49000	62	<50	93	4100	<250	NA	21.03	4.58	16.45	NA	NA
S-5	4/14/1998	NA	NA	NA	NA	NA	NA	NA	21.03	4.94	16.09	NA	NA
S-5	7/14/1998	NA	NA	NA	NA	NA	NA	NA	21.27	5.36	15.91	NA	NA
S-5	10/20/1998	NA	NA	NA	NA	NA	NA	NA	21.27	7.53	13.74	NA	NA
S-5	1/22/1999	2550	9.09	<0.500	1.93	112	4.40	NA	21.27	6.35	14.92	NA	NA
S-5	4/8/1999	NA	NA	NA	NA	NA	NA	NA	21.27	5.37	15.90	NA	NA

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S-5	7/23/1999	NA	NA	NA	NA	NA	NA	NA	21.27	6.43	14.84	NA	NA
S-5	10/26/1999	NA	NA	NA	NA	NA	NA	NA	21.27	7.51	13.76	NA	NA
S-5	1/3/2000	3310	39.0	<10.0	293	21.7	<50.0	NA	21.27	7.78	13.49	NA	NA
S-5	4/14/2000	NA	NA	NA	NA	NA	NA	NA	21.27	6.15	15.12	NA	NA
S-5	7/12/2000	NA	NA	NA	NA	NA	NA	NA	21.27	7.05	14.22	NA	NA
S-5	11/1/2000	NA	NA	NA	NA	NA	NA	NA	21.27	6.00	15.27	NA	NA
S-5	1/3/2001	516	3.65	0.968	18.0	4.02	18.4	NA	21.27	7.48	13.79	NA	NA
S-5	4/24/2001	NA	NA	NA	NA	NA	NA	NA	21.27	6.58	14.69	NA	NA
S-5	7/2/2001	NA	NA	NA	NA	NA	NA	NA	21.27	7.60	13.67	NA	NA
S-5	11/2/2001	NA	NA	NA	NA	NA	NA	NA	21.27	7.94	13.33	NA	NA
S-5	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	21.27	5.88	15.39	NA	NA
S-5	4/1/2002	NA	NA	NA	NA	NA	NA	NA	21.27	6.27	15.00	NA	NA
S-5	7/11/2002	NA	NA	NA	NA	NA	NA	NA	21.27	7.53	13.74	NA	NA
S-5	10/28/2002	NA	NA	NA	NA	NA	NA	NA	21.27	8.11	13.16	NA	NA
S-5	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	21.27	6.22	15.05	NA	NA
S-5	4/30/2003	NA	NA	NA	NA	NA	NA	NA	21.27	5.48	15.79	NA	NA
S-5	7/1/2003	NA	NA	NA	NA	NA	NA	NA	21.27	7.32	13.95	NA	NA
S-5	10/8/2003	NA	NA	NA	NA	NA	NA	NA	21.27	7.91	13.36	NA	NA
S-5	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.27	6.68	14.59	NA	NA
S-5	7/13/2004	NA	NA	NA	NA	NA	NA	NA	21.27	8.17	13.10	NA	NA
S-5	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.27	5.30	15.97	NA	NA
S-5	7/19/2005	NA	NA	NA	NA	NA	NA	NA	21.27	6.35	14.92	NA	NA
S-5	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	21.27	5.83	15.44	NA	NA
S-5	7/25/2006	NA	NA	NA	NA	NA	NA	NA	21.27	7.35	13.92	NA	NA
S-5	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.27	6.82	14.45	NA	NA
S-5	7/24/2007	NA	NA	NA	NA	NA	NA	NA	21.27	7.70	13.57	NA	NA
S-5	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	21.27	5.83	15.44	NA	NA
S-5	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**21.27**	**8.04**	**13.23**	**NA**	**NA**

TABLE 1
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Well ID	Date	TPPH (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	11/16/1988	50	0.7	<1	<1	<3	NA	NA	22.02	8.58	13.44	NA	NA
S-6	2/27/1989	<50	<0.5	<1	<1	<3	NA	NA	22.02	NA	NA	NA	NA
S-6	5/4/1989	<50	<0.5	<1	<1	<3	NA	NA	22.02	NA	NA	NA	NA
S-6	8/10/1989	<50	<0.5	<1	<1	<3	NA	NA	22.02	8.54	13.48	NA	NA
S-6	10/10/1989	<50	<0.5	<1	<1	<3	NA	NA	22.02	8.58	13.44	NA	NA
S-6	1/25/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	22.02	8.31	13.71	NA	NA
S-6	4/18/1990	<50	<0.5	0.6	<0.5	1.0	NA	NA	22.02	8.43	13.59	NA	NA
S-6	7/23/1990	<50	<0.5	0.9	<0.5	1.8	NA	NA	22.02	8.24	13.78	NA	NA
S-6	10/18/1990	<50	<0.5	0.7	<0.5	0.8	NA	NA	22.02	9.20	12.82	NA	NA
S-6	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.02	9.10	12.92	NA	NA
S-6	4/25/1991	<50	<0.5	<0.5	<0.5	0.7	NA	NA	22.02	7.74	14.28	NA	NA
S-6	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.02	8.81	13.21	NA	NA
S-6	10/8/1991	<50	0.7	<0.5	<0.5	<0.5	NA	NA	22.02	9.26	12.76	NA	NA
S-6	2/2/1992	NA	NA	NA	NA	NA	NA	NA	22.02	8.47	13.55	NA	NA
S-6	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.02	7.91	14.11	NA	NA
S-6	7/27/1992	NA	NA	NA	NA	NA	NA	NA	22.02	8.83	13.19	NA	NA
S-6	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.02	9.29	12.73	NA	NA
S-6	1/13/1994	NA	NA	NA	NA	NA	NA	NA	22.02	9.43	12.59	NA	NA
S-6	4/16/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.02	7.12	14.90	NA	NA
S-6	7/23/1993	NA	NA	NA	NA	NA	NA	NA	22.02	8.14	13.88	NA	NA
S-6	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.02	8.75	13.27	NA	NA
S-6	1/27/1994	NA	NA	NA	NA	NA	NA	NA	22.02	7.87	14.15	NA	NA
S-6	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.40	7.71	13.69	NA	NA
S-6	7/26/1994	NA	NA	NA	NA	NA	NA	NA	21.40	8.10	13.30	NA	NA
S-6	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	NA	NA	21.40	8.04	13.36	NA	NA
S-6	1/2/1995	NA	NA	NA	NA	NA	NA	NA	21.40	7.07	14.33	NA	NA
S-6	4/14/1995	<50	<0.5	1.3	<0.5	<0.5	NA	NA	21.40	6.29	15.11	NA	NA

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S-6	7/28/1995	NA	NA	NA	NA	NA	NA	NA	21.40	6.91	14.49	NA	NA
S-6	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.40	7.20	14.20	NA	NA
S-6	1/11/1996	NA	NA	NA	NA	NA	NA	NA	21.40	6.60	14.80	NA	NA
S-6	1/22/2004	Unable to locate		NA	NA	NA	NA	NA	21.40	NA	NA	NA	NA
S-7	11/16/1988	100	5.1	15	2.0	13	NA	NA	21.47	8.24	13.23	NA	NA
S-7	2/27/1989	50	0.5	3.0	1.0	11	NA	NA	21.47	NA	NA	NA	NA
S-7	5/4/1989	<50	<0.5	<1	<1	<3	NA	NA	21.47	NA	NA	NA	NA
S-7	8/10/1989	<50	<0.5	<1	<1	<3	NA	NA	21.47	8.18	13.29	NA	NA
S-7	10/10/1989	<50	<0.5	<1	<1	<3	NA	NA	21.47	8.35	13.12	NA	NA
S-7	1/25/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	21.47	7.95	13.52	NA	NA
S-7	4/18/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	21.47	8.06	13.41	NA	NA
S-7	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	7.89	13.58	NA	NA
S-7	10/18/1990	<50	<0.5	0.5	0.5	4.1	NA	NA	21.47	8.83	12.64	NA	NA
S-7	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	8.77	12.70	NA	NA
S-7	4/25/1991	60	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	7.25	14.22	NA	NA
S-7	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	8.41	13.06	NA	NA
S-7	10/8/1991	NA	NA	NA	NA	NA	NA	NA	21.47	8.95	12.52	NA	NA
S-7	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	8.04	13.43	NA	NA
S-7	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	8.95	12.52	NA	NA
S-7	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	7.45	14.02	NA	NA
S-7	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	8.48	12.99	NA	NA
S-7	10/26/1992	570	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	9.95	11.52	NA	NA
S-7	1/14/1993	56	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	5.84	15.63	NA	NA
S-7	4/16/1993	110	28	<0.5	<0.5	1.8	NA	NA	21.47	6.38	15.09	NA	NA
S-7	7/23/1993	80	0.48	<0.5	<0.5	0.8	NA	NA	21.47	7.72	13.75	NA	NA
S-7	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	7.79	13.68	NA	NA
S-7	1/27/1994	70a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.47	7.85	13.62	NA	NA

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S-7	5/5/1994	92	2.1	<0.5	<0.5	<0.5	NA	NA	20.85	9.45	11.40	NA	NA
S-7	7/26/1994	88	<0.3	<0.3	<0.3	<0.6	NA	NA	20.85	7.64	13.21	NA	NA
S-7	10/28/1994	60	<0.3	0.5	<0.3	<0.6	NA	NA	20.85	7.68	13.17	NA	NA
S-7	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.85	6.95	13.90	NA	NA
S-7	4/14/1995	NA	NA	NA	NA	NA	NA	NA	20.85	5.82	15.03	NA	NA
S-7	7/28/1995	170	1.7	<0.5	<0.5	2.2	NA	NA	20.85	6.32	14.53	NA	NA
S-7	10/17/1995	100	<0.5	0.6	<0.5	<0.5	NA	NA	20.85	7.07	13.78	NA	NA
S-7	1/11/1996	80	0.6	<0.5	<0.5	<0.5	54	NA	20.85	6.10	14.75	NA	NA
S-7	4/2/1996	NA	NA	NA	NA	NA	NA	NA	20.85	6.14	14.71	NA	NA
S-7	7/9/1996	NA	NA	NA	NA	NA	NA	NA	20.85	6.40	14.45	NA	NA
S-7	10/10/1996	NA	NA	NA	NA	NA	NA	NA	20.85	6.70	14.15	NA	NA
S-7	1/9/1997	130	1.4	<0.50	<0.50	0.56	70	NA	20.85	5.25	15.60	NA	NA
S-7	4/8/1997	NA	NA	NA	NA	NA	NA	NA	20.85	7.15	13.70	NA	NA
S-7	7/21/1997	NA	NA	NA	NA	NA	NA	NA	20.85	6.67	14.18	NA	NA
S-7	10/8/1997	NA	NA	NA	NA	NA	NA	NA	20.85	7.26	13.59	NA	NA
S-7	1/15/1998	<50	<0.50	<0.50	<0.50	<0.50	39	NA	20.85	5.51	15.34	NA	NA
S-7	4/14/1998	NA	NA	NA	NA	NA	NA	NA	20.85	5.45	15.40	NA	NA
S-7	7/14/1998	NA	NA	NA	NA	NA	NA	NA	21.03	6.48	14.55	NA	NA
S-7	10/20/1998	NA	NA	NA	NA	NA	NA	NA	21.03	7.37	13.66	NA	NA
S-7	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	97.8	NA	21.03	6.21	14.82	NA	NA
S-7	4/8/1999	NA	NA	NA	NA	NA	NA	NA	21.03	5.30	15.73	NA	NA
S-7	7/23/1999	NA	NA	NA	NA	NA	NA	NA	21.03	7.12	13.91	NA	NA
S-7	10/26/1999	NA	NA	NA	NA	NA	NA	NA	21.03	7.54	13.49	NA	NA
S-7	1/3/2000	615	8.73	2.90	4.00	7.17	17.0	NA	21.03	7.73	13.30	NA	NA
S-7	4/14/2000	NA	NA	NA	NA	NA	NA	NA	21.03	6.27	14.76	NA	NA
S-7	7/12/2000	NA	NA	NA	NA	NA	NA	NA	21.03	6.97	14.06	NA	NA
S-7	11/1/2000	NA	NA	NA	NA	NA	NA	NA	21.03	6.43	14.60	NA	NA
S-7	1/3/2001	460	6.68	<0.500	0.712	0.596	10.2	NA	21.03	7.27	13.76	NA	NA

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S-7	4/24/2001	NA	NA	NA	NA	NA	NA	NA	21.03	6.75	14.28	NA	NA
S-7	7/2/2001	NA	NA	NA	NA	NA	NA	NA	21.03	7.55	13.48	NA	NA
S-7	11/2/2001	NA	NA	NA	NA	NA	NA	NA	21.03	7.80	13.23	NA	NA
S-7	1/16/2002	360	<0.50	<0.50	<0.50	<0.50	NA	<5.0	21.03	6.11	14.92	NA	NA
S-7	4/1/2002	NA	NA	NA	NA	NA	NA	NA	21.03	6.54	14.49	NA	NA
S-7	7/11/2002	NA	NA	NA	NA	NA	NA	NA	21.03	7.37	13.66	NA	NA
S-7	10/28/2002	NA	NA	NA	NA	NA	NA	NA	21.01	7.97	13.04	NA	NA
S-7	1/23/2003	160	<0.50	<0.50	<0.50	<0.50	NA	<5.0	21.01	6.45	14.56	NA	NA
S-7	4/30/2003	NA	NA	NA	NA	NA	NA	NA	21.01	6.14	14.87	NA	NA
S-7	-7/1/2003	NA	NA	NA	NA	NA	NA	NA	21.01	7.28	13.73	NA	NA
S-7	10/8/2003	NA	NA	NA	NA	NA	NA	NA	21.01	7.78	13.23	NA	NA
S-7	1/22/2004	140	<0.50	<0.50	0.51	<1.0	NA	NA	21.01	6.93	14.08	NA	NA
S-7	7/13/2004	150	<0.50	<0.50	<0.50	<1.0	NA	17	21.01	7.88	13.13	NA	NA
S-7	1/20/2005	200 a	<0.50	<0.50	<0.50	<1.0	NA	NA	21.01	5.68	15.33	NA	NA
S-7	7/19/2005	140 a	<0.50	<0.50	<0.50	<1.0	NA	NA	21.01	6.18	14.83	NA	NA
S-7	1/27/2006	69.8	<0.500	<0.500	<0.500	<0.500	NA	NA	21.01	6.11	14.90	NA	NA
S-7	7/25/2006	78.6	<1.00	<1.00	<1.00	<3.00	NA	NA	21.01	7.01	14.00	NA	NA
S-7	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.01	6.70	14.31	NA	NA
S-7	7/24/2007	63 g,h	<0.50	<1.0	<1.0	<1.0	NA	NA	21.01	7.54	13.47	NA	NA
S-7	1/15/2008	160 g,h	<0.50	<1.0	<1.0	<1.0	NA	NA	21.01	6.08	14.93	NA	NA
S-7	**8/4/2008**	**72**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**21.01**	**7.78**	**13.23**	**NA**	**NA**
S-8	11/16/1988	210	5.0	<1	1.0	5.0	NA	NA	20.72	7.76	12.96	NA	NA
S-8	2/27/1989	<50	2.4	<1	<1	<3	NA	NA	20.72	NA	NA	NA	NA
S-8	5/4/1989	<50	7.5	<1	2.0	<3	NA	NA	20.72	NA	NA	NA	NA
S-8	8/10/1989	<50	0.6	<1	<1	<3	NA	NA	20.72	7.79	12.93	NA	NA
S-8	10/10/1989	<50	<0.5	<1	<1	<3	NA	NA	20.72	7.84	12.88	NA	NA
S-8	1/25/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	20.72	7.47	13.25	NA	NA

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S-8	4/18/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	20.72	7.59	13.13	NA	NA
S-8	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.72	7.49	13.23	NA	NA
S-8	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.72	8.44	12.28	NA	NA
S-8	1/28/1991	<50	55	0.5	<0.5	1.4	NA	NA	20.72	8.28	12.44	NA	NA
S-8	4/25/1991	130a	19	<0.5	1.3	1.1	NA	NA	20.72	6.72	14.00	NA	NA
S-8	7/9/1991	200	33	<0.5	1.8	2.8	NA	NA	20.72	7.98	12.74	NA	NA
S-8	10/8/1991	580	95	2.2	4.9	6.5	NA	NA	20.72	8.55	12.17	NA	NA
S-8	2/5/1992	90a	18	<0.5	6.2	1.8	NA	NA	20.72	7.50	13.22	NA	NA
S-8	4/28/1992	<50	5.9	<0.5	2.5	<0.5	NA	NA	20.72	7.14	13.58	NA	NA
S-8	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.72	8.06	12.66	NA	NA
S-8	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.72	8.58	12.14	NA	NA
S-8	1/14/1993	270	74	0.9	25	5.5	NA	NA	20.72	5.32	15.40	NA	NA
S-8	4/16/1993	1100	420	<0.5	200	20	NA	NA	20.72	5.76	14.96	NA	NA
S-8	7/23/1993	160	23	<0.5	1.2	1.5	NA	NA	20.72	7.29	13.43	NA	NA
S-8	10/27/1993	420	650	0.7	11	1.7	NA	NA	20.72	7.93	12.79	NA	NA
S-8	1/27/1994	290	65	<1	6.9	2.4	NA	NA	20.72	6.31	14.41	NA	NA
S-8	5/5/1994	120	13	<0.5	<0.5	<0.5	NA	NA	20.32	6.84	13.48	NA	NA
S-8	7/26/1994	115	12.2	1.3	<0.3	2.7	NA	NA	20.32	7.42	12.90	NA	NA
S-8	10/28/1994	733	75.9	3.2	4.9	4.2	NA	NA	20.32	7.56	12.76	NA	NA
S-8	1/2/1995	290	54	<0.5	10	<0.5	NA	NA	20.32	6.19	14.13	NA	NA
S-8	4/14/1995	230	68	<0.5	10	2.4	NA	NA	20.32	5.54	14.78	NA	NA
S-8	7/28/1995	290	44	<0.5	8.0	<0.5	NA	NA	20.32	6.28	14.04	NA	NA
S-8	10/17/1995	190	24	<0.5	1.0	0.9	NA	NA	20.32	6.64	13.68	NA	NA
S-8	1/11/1996	400	85	1.1	13	3.4	2.3	NA	20.32	5.96	14.36	NA	NA
S-8	4/2/1996	300	110	0.7	4.9	0.9	<2	NA	20.32	5.21	15.11	NA	NA
S-8	7/9/1996	<50	5.4	<0.50	0.63	<0.50	<2.5	NA	20.32	6.05	14.27	NA	NA
S-8	10/10/1996	150	0.53	0.66	2.3	1.0	8.9	NA	20.32	6.83	13.49	NA	NA
S-8	1/9/1997	240	27	<0.50	2.4	<0.50	5.8	NA	20.32	4.51	15.81	NA	NA

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S-8	4/8/1997	220	27	0.62	1.9	0.71	5.7	NA	20.32	6.50	13.82	NA	NA
S-8	7/21/1997	1200	140	2.8	21	5.0	27	NA	20.32	6.36	13.96	NA	NA
S-8 (D)	7/21/1997	1200	120	<2.0	19	3.9	25	NA	20.32	NA	NA	NA	NA
S-8	10/8/1997	690	92	1.4	25	2.0	<2.5	NA	20.32	6.83	13.49	NA	NA
S-8 (D)	10/8/1997	700	95	1.3	26	1.9	<2.5	NA	20.32	NA	NA	NA	NA
S-8	1/15/1998	460	110	1.0	3.4	1.7	<5.0	NA	20.32	4.30	16.02	NA	NA
S-8	4/14/1998	780	190	2.9	15	3.4	<2.5	NA	20.32	4.68	15.64	NA	NA
S-8	7/14/1998	1600	240	<5.0	36	<5.0	<25	NA	20.36	6.36	14.00	NA	NA
S-8	10/20/1998	700	55	<5.0	<5.0	<5.0	49	NA	20.36	6.91	13.45	NA	NA
S-8	1/22/1999	<50.0	5.83	<0.500	0.919	<0.500	<2.00	NA	20.36	5.97	14.39	NA	NA
S-8	4/8/1999	684	10.6	1.3	9.75	1.0	10.5	NA	20.36	5.01	15.35	NA	NA
S-8	7/23/1999	1540	86.5	5.20	5.30	6.35	<25.0	NA	20.36	6.61	13.75	NA	NA
S-8	10/26/1999	1680	116	<2.50	22.4	5.58	<12.5	NA	20.36	6.95	13.41	NA	NA
S-8	1/3/2000	Well inaccessible		NA	NA	NA	NA	NA	20.36	NA	NA	NA	NA
S-8	4/14/2000	Well inaccessible		NA	NA	NA	NA	NA	20.36	NA	NA	NA	NA
S-8	7/12/2000	Well inaccessible		NA	NA	NA	NA	NA	20.36	NA	NA	NA	NA
S-8	11/1/2000	2300	118	12.4	51.7	<2.50	<12.5	NA	20.36	5.68	14.68	NA	NA
S-8	1/3/2001	263	4.34	0.620	<0.500	0.643	5.40	NA	20.36	6.95	13.41	NA	NA
S-8	4/24/2001	680	12	<0.50	0.86	<0.50	NA	<0.50	20.36	6.25	14.11	NA	NA
S-8	7/2/2001	330	2.5	<0.50	0.86	<0.50	NA	<5.0	20.36	7.00	13.36	NA	NA
S-8	11/2/2001	1300	71	0.84	14	1.7	NA	<5.0	20.36	7.44	12.92	NA	NA
S-8	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.36	5.67	14.69	NA	NA
S-8	4/1/2002	330	2.2	<0.50	<0.50	<0.50	NA	<5.0	20.36	5.99	14.37	NA	NA
S-8	7/11/2002	1400	55	0.83	5.3	0.71	NA	<5.0	20.36	6.94	13.42	NA	NA
S-8	10/28/2002	660	6.2	0.63	0.76	<0.50	NA	<0.50	20.36	7.50	12.86	NA	1.1
S-8	1/23/2003	1600	30	0.56	6.7	<0.50	NA	<5.0	20.36	5.99	14.37	NA	NA
S-8	4/30/2003	890	13	<0.50	0.59	<1.0	NA	<5.0	20.36	5.30	15.06	NA	NA
S-8	7/1/2003	1800	68	1.3	2.6	1.2	NA	<0.50	20.36	6.87	13.49	NA	1.0

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S-8	10/8/2003	220	1.3	<0.50	<0.50	<1.0	NA	<0.50	20.36	7.27	13.09	NA	NA
S-8	1/22/2004	1000	6.7	<0.50	0.61	<1.0	NA	NA	20.36	6.50	13.86	NA	NA
S-8	7/13/2004	2000	100	1.7	5.7	<2.0	NA	<1.0	20.36	7.41	12.95	NA	NA
S-8	1/20/2005	380	4.3	<0.50	<0.50	<1.0	NA	NA	20.36	5.02	15.34	NA	NA
S-8	7/19/2005	120	1.2	<0.50	<0.50	<1.0	NA	NA	20.36	5.82	14.54	NA	NA
S-8	1/27/2006	494	2.42	<0.500	<0.500	<0.500	NA	NA	20.36	5.51	14.85	NA	NA
S-8	7/25/2006	382	2.05	<1.00	<1.00	<3.00	NA	NA	20.36	6.66	13.70	NA	NA
S-8	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.36	6.13	14.23	NA	NA
S-8	7/24/2007	210 g,h	1.2	<1.0	<1.0	<1.0	NA	NA	20.36	6.92	13.44	NA	NA
S-8	1/15/2008	560 g,h	5.3	<1.0	0.31 i	<1.0	NA	NA	20.36	5.32	15.04	NA	NA
S-8	**8/4/2008**	**200**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**20.36**	**6.98**	**13.38**	**NA**	**NA**
S-9	11/16/1988	1400	69	3.0	52	180	NA	NA	20.96	7.78	13.18	NA	NA
S-9	2/27/1989	1600	240	4.0	130	180	NA	NA	20.96	NA	NA	NA	NA
S-9	5/4/1989	2600	470	10	240	480	NA	NA	20.96	NA	NA	NA	NA
S-9	8/10/1989	520	73	<10	40	<30	NA	NA	20.96	7.82	13.14	NA	NA
S-9	10/10/1989	380	82	<1	46	13	NA	NA	20.96	7.87	13.09	NA	NA
S-9	1/25/1990	750	140	1.2	69	75	NA	NA	20.96	7.41	13.55	NA	NA
S-9	4/18/1990	680	150	1.7	50	37	NA	NA	20.96	7.65	13.31	NA	NA
S-9	7/23/1990	490	94	1.2	32	24	NA	NA	20.96	7.58	13.38	NA	NA
S-9	10/18/1990	390	140	0.7	3.3	24	NA	NA	20.96	8.46	12.50	NA	NA
S-9	1/28/1991	1040	450	4.6	85	97	NA	NA	20.96	8.29	12.67	NA	NA
S-9	4/25/1991	5800	880	9.0	360	500	NA	NA	20.96	6.09	14.87	NA	NA
S-9	7/9/1991	1400	220	2.8	82	100	NA	NA	20.96	7.82	13.14	NA	NA
S-9	10/8/1991	890	960	<2.5	16	29	NA	NA	20.96	8.55	12.41	NA	NA
S-9	2/5/1992	950	240	<2.5	28	55	NA	NA	20.96	6.96	14.00	NA	NA
S-9	4/28/1992	1400a	290	3.0	100	81	NA	NA	20.96	6.76	14.20	NA	NA
S-9	7/27/1992	890	190	<2.5	66	68	NA	NA	20.96	8.10	12.86	NA	NA

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S-9	10/26/1992	650	160	<2.5	63	89	NA	NA	20.96	8.53	12.43	NA	NA
S-9	1/13/1993	19000	2400	38	1700	2200	NA	NA	20.96	6.80	14.16	NA	NA
S-9	4/16/1993	10000	1500	<5	1100	990	NA	NA	20.96	6.28	14.68	NA	NA
S-9	7/23/1993	1100	400	<5	260	160	NA	NA	20.96	7.26	13.70	NA	NA
S-9	10/27/1993	2500	400	<5	190	110	NA	NA	20.96	8.00	12.96	NA	NA
S-9	1/27/1994	4800	990	16	630	490	NA	NA	20.96	5.96	15.00	NA	NA
S-9	5/5/1994	3700	480	<5	21	120	NA	NA	20.68	6.99	13.69	NA	NA
S-9	7/26/1994	1000	124.6	<0.3	35.8	28.6	NA	NA	20.68	7.56	13.12	NA	NA
S-9	10/28/1994	979	80.3	7.0	21.7	29.2	NA	NA	20.68	7.78	12.90	NA	NA
S-9	1/2/1995	3900	540	2.4	350	150	NA	NA	20.68	6.29	14.39	NA	NA
S-9	4/14/1995	5100	1000	<10	380	230	NA	NA	20.68	5.69	14.99	NA	NA
S-9	7/28/1995	4600	680	<10	120	47	NA	NA	20.68	6.61	14.07	NA	NA
S-9	10/17/1995	1600	150	<0.5	42	15	NA	NA	20.68	7.00	13.68	NA	NA
S-9	1/11/1996	6800	1100	12	720	95	24	NA	20.68	6.20	14.48	NA	NA
S-9	4/2/1996	6000	1300	8.3	430	99	49	NA	20.68	5.19	15.49	NA	NA
S-9 (D)	4/2/1996	6500	1200	8.3	410	90	<20	NA	20.68	NA	NA	NA	NA
S-9	7/9/1996	3400	680	6.7	54	31	<25	NA	20.68	6.43	14.25	NA	NA
S-9 (D)	7/9/1996	3300	730	<5.0	58	28	<25	NA	20.68	NA	NA	NA	NA
S-9	10/10/1996	6600	1200	<10	160	<10	70	NA	20.68	7.08	13.60	NA	NA
S-9 (D)	10/10/1996	6100	1000	<10	200	15	65	NA	20.68	NA	NA	NA	NA
S-9	1/9/1997	12000	1400	<25	1000	39	<125	NA	20.68	5.03	15.65	NA	NA
S-9	4/8/1997	6600	920	10	230	26	150	NA	20.68	6.78	13.90	NA	NA
S-9	7/21/1997	7800	860	13	260	14	87	NA	20.68	6.77	13.91	NA	NA
S-9	10/8/1997	4600	320	<10	61	<10	28	NA	20.68	6.92	13.76	NA	NA
S-9	1/15/1998	9300	1000	<10	730	24	<50	NA	20.68	4.50	16.18	NA	NA
S-9	4/14/1998	12000	1200	<2.5	960	<2.5	<12	NA	20.68	4.35	16.33	NA	NA
S-9 (D)	4/14/1998	12000	1200	<2.5	930	<2.5	<12	NA	20.68	NA	NA	NA	NA
S-9	7/14/1998	12000	1700	<25	990	39	<125	NA	20.68	5.95	14.73	NA	NA

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S-9 (D)	7/14/1998	11000	1800	<25	650	<25	<125	NA	20.68	NA	NA	NA	NA
S-9	10/20/1998	14000	1600	<25	560	<25	340	NA	20.68	7.03	13.65	NA	NA
S-9 (D)	10/20/1998	11000	1100	<10	230	<10	100	NA	20.68	NA	NA	NA	NA
S-9	1/22/1999	9900	1030	26.7	819	27.5	46.8	NA	20.68	6.01	14.67	NA	NA
S-9	4/8/1999	17900	1450	<50.0	1610	73.8	<500	NA	20.68	5.25	15.43	NA	NA
S-9	7/23/1999	12200	1020	<20.0	536	<20.0	<200	NA	20.68	6.71	13.97	NA	NA
S-9	10/26/1999	9580	1170	11.9	566	23.1	<50.0	NA	20.68	7.27	13.41	NA	NA
S-9	10/26/1999	9580	1170	11.9	566	23.1	<50.0	NA	20.68	7.27	13.41	NA	NA
S-9	1/3/2000	9660	689	<50.0	640	<50.0	<250	NA	20.68	7.47	13.21	NA	NA
S-9	4/14/2000	14000	1040	<50.0	1210	<50.0	<250	NA	20.68	5.75	14.93	NA	NA
S-9	7/12/2000	13200	1360	33.9	552	26.8	<100	NA	20.68	6.63	14.05	NA	NA
S-9	11/1/2000	9120	928	13.5	468	<10.0	<50.0	NA	20.68	5.50	15.18	NA	NA
S-9	1/3/2001	355	19.8	0.732	2.23	0.630	5.09	NA	20.68	7.11	13.57	NA	NA
S-9	4/24/2001	3500	300	1.7	150	1.7	NA	<1.0	20.68	6.30	14.38	NA	NA
S-9	7/2/2001	88	3.8	<0.50	<0.50	<0.50	NA	<5.0	20.68	8.18	12.50	NA	2.6
S-9	11/2/2001	210	9.5	<0.50	<0.50	<0.50	NA	<5.0	20.68	8.40	12.28	NA	16.4
S-9	1/16/2002	15000	520	4.9	580	7.1	NA	<20	20.68	5.71	14.97	NA	0.5
S-9	4/1/2002	15000	530	5.1	920	7.8	NA	<25	20.68	5.99	14.69	NA	3.0
S-9	7/11/2002	10000	520	5.3	97	5.8	NA	<25	20.68	6.99	13.69	NA	0.5
S-9	10/28/2002	11000	580	6.2	65	5.3	NA	<2.5	20.70	7.63	13.07	NA	1.0
S-9	1/23/2003	9300	400	5.6	320	6.5	NA	<5.0	20.70	5.96	14.74	NA	0.5
S-9	4/30/2003	180	4.2	<0.50	3.7	<1.0	NA	<5.0	20.70	5.20	15.50	NA	7.0
S-9	7/1/2003	2200	71	0.94	6.4	<1.0	NA	<0.50	20.70	7.78	12.92	NA	0.9
S-9	10/8/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	20.70	7.38	13.32	NA	16.2
S-9	1/22/2004	1400	26	<1.0	14	12	NA	NA	20.70	6.51	14.19	NA	0.7
S-9	7/13/2004	1900	36	<1.0	2.0	<2.0	NA	<1.0	20.70	8.51	12.19	NA	17.1
S-9	1/20/2005	3600	60	1.2	50	<2.0	NA	NA	20.70	5.80	14.90	NA	0.4
S-9	7/19/2005	2800	42	1.4	18	<2.0	NA	NA	20.70	7.50	13.20	NA	NA

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S-9	1/27/2006	16800	152	4.74	165	6.77	NA	NA	20.70	6.40	14.30	NA	NA
S-9	7/25/2006	22500	79.3	2.32	27.2	<3.00	NA	NA	20.70	6.92	13.78	NA	NA
S-9	1/4/2007	5800	82	3.2	110	<5.0	NA	NA	20.70	6.40	14.30	NA	NA
S-9	7/24/2007	8900 g,h	91	3.4 i	22	<10	NA	NA	20.70	7.19	13.51	NA	NA
S-9	1/15/2008	11,000 g,h	68	3.5 i	68	4.5 i	NA	NA	20.70	5.20	15.50	NA	NA
S-9	**8/4/2008**	**8,200**	**50**	**2.6**	**12**	**3.6**	**NA**	**NA**	**20.70**	**7.38**	**13.32**	**NA**	**NA**
S-10	11/16/1988	330	0.5	<1	1.0	11	NA	NA	20.86	7.91	12.95	NA	NA
S-10	2/27/1989	140	<0.5	<3	2.0	6.0	NA	NA	20.86	NA	NA	NA	NA
S-10	5/3/1989	220	<0.5	1.0	2.0	7.0	NA	NA	20.86	NA	NA	NA	NA
S-10	8/10/1989	<50	<0.5	<1	<1	<3	NA	NA	20.86	7.94	12.92	NA	NA
S-10	10/9/1989	170	<0.5	<1	<1	<3	NA	NA	20.86	7.99	12.87	NA	NA
S-10	1/25/1990	<50	<0.5	<0.5	1.1	4.0	NA	NA	20.86	7.56	13.30	NA	NA
S-10	4/18/1990	<50	<0.5	0.9	<0.5	2.0	NA	NA	20.86	7.71	13.15	NA	NA
S-10	7/23/1990	590	<0.5	<0.5	1.9	19	NA	NA	20.86	7.64	13.22	NA	NA
S-10	10/18/1990	140	<0.5	0.7	<0.5	7.0	NA	NA	20.86	8.58	12.28	NA	NA
S-10	1/28/1991	<50	<0.5	<0.5	<0.5	0.5	NA	NA	20.86	8.35	12.51	NA	NA
S-10	4/25/1991	<50	<0.5	<0.5	1.1	0.8	NA	NA	20.69	6.91	13.78	NA	NA
S-10	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	8.14	12.55	NA	NA
S-10	10/8/1991	140	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	8.70	11.99	NA	NA
S-10	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	7.57	13.12	NA	NA
S-10	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	7.20	13.49	NA	NA
S-10	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	8.17	12.52	NA	NA
S-10	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	8.68	12.01	NA	NA
S-10	1/13/1993	88	<0.5	0.6	0.6	<0.5	NA	NA	20.69	3.78	16.91	NA	NA
S-10	4/16/1993	80	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	6.46	14.23	NA	NA
S-10	7/23/1993	<50	1.5	<0.5	0.7	2.7	NA	NA	20.69	7.38	13.31	NA	NA
S-10	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.69	8.09	12.60	NA	NA

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S-10	1/27/1994	270	1.1	1.3	2.0	7.4	NA	NA	20.69	5.81	14.88	NA	NA
S-10	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.15	6.82	13.33	NA	NA
S-10	7/26/1994	<50	<0.3	<0.3	<0.3	<0.6	NA	NA	20.15	7.40	12.75	NA	NA
S-10	10/28/1994	<50	2.4	<0.3	0.5	0.8	NA	NA	20.15	7.62	12.53	NA	NA
S-10	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.15	6.13	14.02	NA	NA
S-10	4/14/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.15	5.60	14.55	NA	NA
S-10	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.15	6.44	13.71	NA	NA
S-10	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.15	6.85	13.30	NA	NA
S-10	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	20.15	6.08	14.07	NA	NA
S-10	4/2/1996	NA	NA	NA	NA	NA	NA	NA	20.15	5.21	14.94	NA	NA
S-10	7/9/1996	NA	NA	NA	NA	NA	NA	NA	20.15	6.20	13.95	NA	NA
S-10	10/10/1996	NA	NA	NA	NA	NA	NA	NA	20.15	6.92	13.23	NA	NA
S-10	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.15	4.64	15.51	NA	NA
S-10	4/8/1997	NA	NA	NA	NA	NA	NA	NA	20.15	5.82	14.33	NA	NA
S-10	7/21/1997	NA	NA	NA	NA	NA	NA	NA	20.15	6.48	13.67	NA	NA
S-10	10/8/1997	NA	NA	NA	NA	NA	NA	NA	20.15	5.48	14.67	NA	NA
S-10	1/15/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.15	3.01	17.14	NA	NA
S-10	4/14/1998	NA	NA	NA	NA	NA	NA	NA	20.15	4.30	15.85	NA	NA
S-10	7/14/1998	NA	NA	NA	NA	NA	NA	NA	20.15	5.84	14.31	NA	NA
S-10	10/20/1998	NA	NA	NA	NA	NA	NA	NA	20.15	6.89	13.26	NA	NA
S-10	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	20.15	6.00	14.15	NA	NA
S-10	4/8/1999	NA	NA	NA	NA	NA	NA	NA	20.15	4.41	15.74	NA	NA
S-10	7/23/1999	NA	NA	NA	NA	NA	NA	NA	20.15	6.48	13.67	NA	NA
S-10	10/26/1999	NA	NA	NA	NA	NA	NA	NA	20.15	7.07	13.08	NA	NA
S-10	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.15	7.27	12.88	NA	NA
S-10	4/14/2000	NA	NA	NA	NA	NA	NA	NA	20.15	5.75	14.40	NA	NA
S-10	7/12/2000	NA	NA	NA	NA	NA	NA	NA	20.15	6.17	13.98	NA	NA
S-10	11/1/2000	NA	NA	NA	NA	NA	NA	NA	20.15	5.63	14.52	NA	NA

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Well ID	Date	TPPH (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	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.15	6.89	13.26	NA	NA
S-10	4/24/2001	NA	NA	NA	NA	NA	NA	NA	20.15	6.20	13.95	NA	NA
S-10	7/2/2001	NA	NA	NA	NA	NA	NA	NA	20.15	6.80	13.35	NA	NA
S-10	11/2/2001	NA	NA	NA	NA	NA	NA	NA	20.15	7.40	12.75	NA	NA
S-10	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.15	5.66	14.49	NA	NA
S-10	4/1/2002	NA	NA	NA	NA	NA	NA	NA	20.15	5.63	14.52	NA	NA
S-10	7/11/2002	NA	NA	NA	NA	NA	NA	NA	20.15	6.72	13.43	NA	NA
S-10	10/28/2002	NA	NA	NA	NA	NA	NA	NA	20.14	7.50	12.64	NA	NA
S-10	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.14	5.97	14.17	NA	NA
S-10	4/30/2003	NA	NA	NA	NA	NA	NA	NA	20.14	5.24	14.90	NA	NA
S-10	7/1/2003	NA	NA	NA	NA	NA	NA	NA	20.14	6.82	13.32	NA	NA
S-10	10/8/2003	NA	NA	NA	NA	NA	NA	NA	20.14	7.06	13.08	NA	NA
S-10	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.14	6.50	13.64	NA	NA
S-10	7/13/2004	NA	NA	NA	NA	NA	NA	NA	20.14	7.49	12.65	NA	NA
S-10	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.14	5.09	15.05	NA	NA
S-10	7/19/2005	NA	NA	NA	NA	NA	NA	NA	20.14	6.00	14.14	NA	NA
S-10	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	20.14	5.61	14.53	NA	NA
S-10	7/25/2006	NA	NA	NA	NA	NA	NA	NA	20.14	6.61	13.53	NA	NA
S-10	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.14	6.29	13.85	NA	NA
S-10	7/24/2007	NA	NA	NA	NA	NA	NA	NA	20.14	6.82	13.32	NA	NA
S-10	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	20.14	5.33	14.81	NA	NA
S-10	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**20.14**	**6.65**	**13.49**	**NA**	**NA**
S-11	11/16/1988	<50	<0.5	<1	<1	<3	NA	NA	21.26	8.62	12.64	NA	NA
S-11	2/27/1989	<50	<0.5	<1	<1	<3	NA	NA	21.26	NA	NA	NA	NA
S-11	5/3/1989	<50	<0.5	<1	<1	<3	NA	NA	21.26	NA	NA	NA	NA
S-11	8/10/1989	<50	<0.5	<1	<1	<3	NA	NA	21.26	8.65	12.61	NA	NA
S-11	10/9/1989	<50	<0.5	<1	<1	<3	NA	NA	21.26	8.64	12.62	NA	NA

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S-11	1/25/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	21.26	8.43	12.83	NA	NA
S-11	4/18/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	21.26	8.42	12.84	NA	NA
S-11	7/23/1990	<50	<0.5	0.6	<0.5	1.1	NA	NA	21.26	8.23	13.03	NA	NA
S-11	10/18/1990	<50	<0.5	<0.5	<0.5	0.5	NA	NA	21.26	9.20	12.06	NA	NA
S-11	1/28/1991	63	<0.5	3.3	0.9	7.0	NA	NA	21.26	9.13	12.13	NA	NA
S-11	4/25/1991	<50	<0.5	<0.5	0.8	<0.5	NA	NA	21.26	7.53	13.73	NA	NA
S-11	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.26	8.85	12.41	NA	NA
S-11	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.26	9.34	11.92	NA	NA
S-11	2/5/1991	NA	NA	NA	NA	NA	NA	NA	21.26	8.50	12.76	NA	NA
S-11	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.26	7.80	13.46	NA	NA
S-11	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.26	8.80	12.46	NA	NA
S-11	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.26	9.42	11.84	NA	NA
S-11	1/13/1993	NA	NA	NA	NA	NA	NA	NA	21.26	6.52	14.74	NA	NA
S-11	4/16/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.26	6.86	14.40	NA	NA
S-11	7/23/1993	NA	NA	NA	NA	NA	NA	NA	21.26	8.07	13.19	NA	NA
S-11	10/27/1993	Well inaccessible		NA	NA	NA	NA	NA	21.26	NA	NA	NA	NA
S-11	1/27/1994	NA	NA	NA	NA	NA	NA	NA	21.26	NA	NA	NA	NA
S-11	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.24	7.73	13.51	NA	NA
S-11	7/26/1994	NA	NA	NA	NA	NA	NA	NA	21.24	8.30	12.94	NA	NA
S-11	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	NA	NA	21.24	8.30	12.94	NA	NA
S-11	1/2/1995	NA	NA	NA	NA	NA	NA	NA	21.24	7.25	13.99	NA	NA
S-11	4/14/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.24	6.99	14.25	NA	NA
S-11	7/28/1995	NA	NA	NA	NA	NA	NA	NA	21.24	7.21	14.03	NA	NA
S-11	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.24	7.41	13.83	NA	NA
S-11	1/11/1996	NA	NA	NA	NA	NA	NA	NA	21.24	6.80	14.44	NA	NA
S-11	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	21.24	7.28	13.96	NA	NA
S-11	03/18/2002 d	NA	NA	NA	NA	NA	NA	NA	21.27	NA	NA	NA	NA
S-11	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	0.57	21.27	7.55	13.72	NA	NA

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S-12	11/16/1988	50	3.5	<1	<1	<3	NA	NA	21.05	NA	NA	NA	NA
S-12	2/27/1989	<50	0.8	<1	<1	<3	NA	NA	21.05	NA	NA	NA	NA
S-12	5/3/1989	<50	<0.5	<1	<1	<3	NA	NA	21.05	NA	NA	NA	NA
S-12	8/10/1989	<50	<0.5	<1	<1	<3	NA	NA	21.05	8.32	12.73	NA	NA
S-12	10/9/1989	<50	<0.5	<1	<1	<1	NA	NA	21.05	8.32	12.73	NA	NA
S-12	1/25/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	21.05	8.18	12.87	NA	NA
S-12	4/18/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	8.05	13.00	NA	NA
S-12	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	7.92	13.13	NA	NA
S-12	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	8.90	12.15	NA	NA
S-12	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	8.54	12.51	NA	NA
S-12	4/25/1991	90	5.4	<0.5	1.1	0.7	NA	NA	21.05	7.08	13.97	NA	NA
S-12	7/9/1991	<50	2.9	<0.5	<0.5	<0.5	NA	NA	21.05	8.42	12.63	NA	NA
S-12	10/8/1991	50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	8.80	12.25	NA	NA
S-12	2/5/1992	50a	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	8.07	12.98	NA	NA
S-12	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	8.33	12.72	NA	NA
S-12	7/27/1992	94	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	8.55	12.50	NA	NA
S-12	10/26/1992	86	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	9.03	12.02	NA	NA
S-12	1/14/1993	120	2.0	<0.5	<0.5	<0.5	NA	NA	21.05	6.38	14.67	NA	NA
S-12	4/16/1993	60	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	6.56	14.49	NA	NA
S-12	7/23/1993	90	<0.5	<0.5	<0.5	<0.5	NA	NA	21.05	7.76	13.29	NA	NA
S-12	10/27/1993	Well inaccessible		NA	NA	NA	NA	NA	21.05	NA	NA	NA	NA
S-12	1/27/1994	Well inaccessible		NA	NA	NA	NA	NA	21.05	NA	NA	NA	NA
S-12	5/5/1994	<50	2.0	<0.5	<0.5	<0.5	NA	NA	20.71	7.49	13.22	NA	NA
S-12	7/26/1994	128	<0.3	<0.3	<0.3	<0.6	NA	NA	20.71	7.92	12.79	NA	NA
S-12	10/28/1994	167	<0.3	<0.3	<0.3	<0.6	NA	NA	20.71	7.78	12.93	NA	NA
S-12	1/2/1995	50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.71	7.33	13.38	NA	NA
S-12	4/14/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.71	6.47	14.24	NA	NA

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Well ID	Date	TPPH (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	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.71	6.90	13.81	NA	NA
S-12	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.71	7.16	13.55	NA	NA
S-12	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	82	NA	20.71	6.65	14.06	NA	NA
S-12	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	45	NA	20.71	6.95	13.76	NA	NA
S-12	03/18/2002 d	NA	NA	NA	NA	NA	NA	NA	20.73	NA	NA	NA	NA
S-12	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	0.58	20.73	7.30	13.43	NA	NA
S-13	5/3/1989	150	4.9	4.0	2.0	14	NA	NA	20.57	NA	NA	NA	NA
S-13	8/10/1989	110	2.9	<1	<1	<3	NA	NA	20.57	8.00	12.57	NA	NA
S-13	10/9/1989	77	1.4	<1	<1	<3	NA	NA	20.57	7.95	12.62	NA	NA
S-13	1/25/1990	51	0.5	<0.5	<0.5	<1	NA	NA	20.57	7.79	12.78	NA	NA
S-13	4/18/1990	85	8.7	<0.5	<0.5	<1	NA	NA	20.57	7.73	12.84	NA	NA
S-13	7/23/1990	80	0.8	<0.5	<0.5	<0.5	NA	NA	20.57	7.63	12.94	NA	NA
S-13	10/18/1990	130	<0.5	<0.5	<0.5	<5	NA	NA	20.57	8.58	11.99	NA	NA
S-13	1/28/1991	<50	<0.5	0.9	1.2	1.0	NA	NA	20.57	8.39	12.18	NA	NA
S-13	4/25/1991	440a	3.8	<0.5	<0.5	0.6	NA	NA	20.57	7.00	13.57	NA	NA
S-13	7/9/1991	320a	0.6	<0.5	<0.5	<0.5	NA	NA	20.57	8.12	12.45	NA	NA
S-13	10/8/1991	310	<0.5	<0.5	<0.5	<0.5	NA	NA	20.57	8.69	11.88	NA	NA
S-13	2/5/1992	NA	NA	NA	NA	NA	NA	NA	20.57	7.62	12.95	NA	NA
S-13	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.57	7.15	13.42	NA	NA
S-13	7/27/1992	NA	NA	NA	NA	NA	NA	NA	20.57	8.20	12.37	NA	NA
S-13	10/26/1992	180	<0.5	<0.5	<0.5	<0.5	NA	NA	20.57	8.73	11.84	NA	NA
S-13	1/13/1993	NA	NA	NA	NA	NA	NA	NA	20.57	5.06	15.51	NA	NA
S-13	4/16/1993	240	4.8	<0.5	1.3	<0.5	NA	NA	20.57	6.38	14.19	NA	NA
S-13	7/23/1993	NA	NA	NA	NA	NA	NA	NA	20.57	7.45	13.12	NA	NA
S-13	10/27/1993	Well inaccessible		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
S-13	1/27/1994	NA	NA	NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
S-13	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.16	6.91	13.25	NA	NA

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S-13	7/26/1994	NA	NA	NA	NA	NA	NA	NA	20.16	7.52	12.64	NA	NA
S-13	10/28/1994	368	<0.3	<0.3	<0.3	<0.6	NA	NA	20.16	7.68	12.48	NA	NA
S-13	1/2/1995	NA	NA	NA	NA	NA	NA	NA	20.16	6.37	13.79	NA	NA
S-13	4/14/1995	NA	NA	NA	NA	NA	NA	NA	20.16	5.81	14.35	NA	NA
S-13	7/28/1995	NA	NA	NA	NA	NA	NA	NA	20.16	6.73	13.43	NA	NA
S-13	10/17/1995	<50	1.0	<0.5	<0.5	<0.5	NA	NA	20.16	6.94	13.22	NA	NA
S-13	1/11/1996	NA	NA	NA	NA	NA	NA	NA	20.16	6.20	13.96	NA	NA
S-13	4/2/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	20.16	5.28	14.88	NA	NA
S-13	7/9/1996	NA	NA	NA	NA	NA	NA	NA	20.16	6.35	13.81	NA	NA
S-13	10/10/1996	<50	<0.50	<0.50	<0.50	<0.50	210	160	20.16	7.04	13.12	NA	NA
S-13	1/9/1997	NA	NA	NA	NA	NA	NA	NA	20.16	5.19	14.97	NA	NA
S-13	4/8/1997	<50	<0.50	<0.50	<0.50	<0.50	81	NA	20.16	6.62	13.54	NA	NA
S-13	7/21/1997	NA	NA	NA	NA	NA	NA	NA	20.16	6.76	13.40	NA	NA
S-13	10/8/1997	<50	<0.50	<0.50	<0.50	<0.50	110	NA	20.16	7.05	13.11	NA	NA
S-13	1/15/1998	NA	NA	NA	NA	NA	NA	NA	20.16	5.27	14.89	NA	NA
S-13	4/14/1998	<50	<0.50	<0.50	<0.50	<0.50	3.2	NA	20.16	5.24	14.92	NA	NA
S-13	7/14/1998	NA	NA	NA	NA	NA	NA	NA	20.16	5.48	14.68	NA	NA
S-13	10/20/1998	NA	NA	NA	NA	NA	NA	NA	20.16	7.08	13.08	NA	NA
S-13	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	92.2	NA	20.16	6.65	13.51	NA	NA
S-13	4/8/1999	NA	NA	NA	NA	NA	NA	NA	20.16	5.61	14.55	NA	NA
S-13	7/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	20.16	6.78	13.38	NA	NA
S-13	10/26/1999	NA	NA	NA	NA	NA	NA	NA	20.16	7.33	12.83	NA	NA
S-13	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.16	7.51	12.65	NA	NA
S-13	4/14/2000	NA	NA	NA	NA	NA	NA	NA	20.16	6.08	14.08	NA	NA
S-13	7/12/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.16	6.50	13.66	NA	NA
S-13	11/1/2000	NA	NA	NA	NA	NA	NA	NA	20.16	6.10	14.06	NA	NA
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	NA	NA
S-13	4/24/2001	Well inaccessible		NA	NA	NA	NA	NA	20.16	NA	NA	NA	NA

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S-13	7/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.16	7.13	13.03	NA	NA
S-13	11/2/2001	NA	NA	NA	NA	NA	NA	NA	20.16	7.38	12.78	NA	NA
S-13	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	5.9	20.16	6.02	14.14	NA	NA
S-13	4/1/2002	NA	NA	NA	NA	NA	NA	NA	20.16	6.26	13.90	NA	NA
S-13	7/11/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.16	7.00	13.16	NA	NA
S-13	10/28/2002	NA	NA	NA	NA	NA	NA	NA	20.19	7.70	12.49	NA	NA
S-13	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	110	20.19	6.41	13.78	NA	NA
S-13	4/30/2003	NA	NA	NA	NA	NA	NA	NA	20.19	6.12	14.07	NA	NA
S-13	7/1/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	20.19	7.65	12.54	NA	1.4
S-13	10/8/2003	NA	NA	NA	NA	NA	NA	NA	20.19	7.32	12.87	NA	NA
S-13	1/22/2004	<250	<2.5	<2.5	<2.5	<5.0	NA	NA	20.19	6.60	13.59	NA	NA
S-13	7/13/2004	NA	NA	NA	NA	NA	NA	NA	20.19	6.60	13.59	NA	e
S-13	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.19	6.56	13.63	NA	NA
S-13	7/19/2005	NA	NA	NA	NA	NA	NA	NA	20.19	6.15	14.04	NA	NA
S-13	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	20.19	6.42	13.77	NA	NA
S-13	7/25/2006	NA	NA	NA	NA	NA	NA	NA	20.19	7.51	12.68	NA	NA
S-13	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.19	6.85	13.34	NA	NA
S-13	7/24/2007	NA	NA	NA	NA	NA	NA	NA	20.19	7.39	12.80	NA	NA
S-13	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	20.19	6.00	14.19	NA	NA
S-13	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**20.19**	**7.46**	**12.73**	**NA**	**NA**
S-14	5/3/1989	5300	750	400	200	800	NA	NA	20.44	NA	NA	NA	NA
S-14	8/10/1989	1800	540	140	42	50	NA	NA	20.44	7.58	12.86	NA	NA
S-14	10/9/1989	1000	360	60	20	30	NA	NA	20.44	7.62	12.82	NA	NA
S-14	1/25/1990	640	160	77	17	39	NA	NA	20.44	7.82	12.62	NA	NA
S-14	4/18/1990	1200	200	110	30	96	NA	NA	20.44	7.37	13.07	NA	NA
S-14	7/23/1990	5000	430	340	140	660	NA	NA	20.44	7.28	13.16	NA	NA
S-14	10/18/1990	1800	770	13	17	120	NA	NA	20.44	8.10	12.34	NA	NA

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S-14	1/28/1991	720	200	36	21	78	NA	NA	20.44	8.04	12.40	NA	NA
S-14	4/25/1991	14000	930	430	250	970	NA	NA	20.44	6.40	14.04	NA	NA
S-14	7/9/1991	160	30	5.3	5	16	NA	NA	20.44	7.69	12.75	NA	NA
S-14	10/8/1991	5400	81	57	95	380	NA	NA	20.44	8.24	12.20	NA	NA
S-14	2/2/1992	NA	NA	NA	NA	NA	NA	NA	20.44	7.20	13.24	NA	NA
S-14	4/28/1992	2000	270	140	48	170	NA	NA	20.44	9.75	10.69	NA	NA
S-14	10/26/1992	920	33	12	25	88	NA	NA	20.44	8.32	12.12	NA	NA
S-14	1/13/1993	NA	NA	NA	NA	NA	NA	NA	20.44	5.07	15.37	NA	NA
S-14	4/16/1993	4500	1100	29	91	170	NA	NA	20.44	5.86	14.58	NA	NA
S-14	7/23/1993	NA	NA	NA	NA	NA	NA	NA	20.44	7.06	13.38	NA	NA
S-14	10/27/1993	Well inaccessible		NA	NA	NA	NA	NA	20.44	NA	NA	NA	NA
S-14	1/27/1994	NA	NA	NA	NA	NA	NA	NA	20.44	NA	NA	NA	NA
S-14	5/5/1994	810	250	<2.5	9.4	19	NA	NA	19.99	6.48	13.51	NA	NA
S-14	7/26/1994	NA	NA	NA	NA	NA	NA	NA	19.99	7.04	12.95	NA	NA
S-14	10/28/1994	5385	290.6	85.8	49.7	186.2	NA	NA	19.99	7.07	12.92	NA	NA
S-14	1/2/1995	NA	NA	NA	NA	NA	NA	NA	19.99	5.95	14.04	NA	NA
S-14	4/14/1995	1600	40	4.7	11	20	NA	NA	19.99	5.22	14.77	NA	NA
S-14	7/28/1995	NA	NA	NA	NA	NA	NA	NA	19.99	6.21	13.78	NA	NA
S-14	10/17/1995	1200	37	<0.5	7.8	11	NA	NA	19.99	6.30	13.69	NA	NA
S-14	1/11/1996	NA	NA	NA	NA	NA	NA	NA	19.99	5.70	14.29	NA	NA
S-14	7/21/1997	220	71	0.71	1.3	1.3	100	NA	19.99	6.14	13.85	NA	NA
S-14	03/18/2002 d	NA	NA	NA	NA	NA	NA	NA	20.01	NA	NA	NA	NA
S-14	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	55	20.01	6.20	13.81	NA	NA
S-15	5/3/1989	<50	<0.5	<1	<1	<3	NA	NA	22.22	NA	NA	NA	NA
S-15	8/10/1989	<50	<0.5	<1	<1	<3	NA	NA	22.22	8.48	13.74	NA	NA
S-15	10/9/1989	<50	<0.5	<1	<1	<3	NA	NA	22.22	8.46	13.76	NA	NA
S-15	1/25/1990	<50	<0.5	<1	<1	<1	NA	NA	22.22	8.34	13.88	NA	NA

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S-15	4/18/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	22.22	8.45	13.77	NA	NA
S-15	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	8.22	14.00	NA	NA
S-15	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	9.11	13.11	NA	NA
S-15	1/28/1991	<50	<0.5	0.6	<0.5	0.8	NA	NA	22.22	9.13	13.09	NA	NA
S-15	4/25/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	7.83	14.39	NA	NA
S-15	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	8.93	13.29	NA	NA
S-15	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	9.26	12.96	NA	NA
S-15	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	8.60	13.62	NA	NA
S-15	4/28/1992	50	0.8	0.9	<0.5	1.4	NA	NA	22.22	8.09	14.13	NA	NA
S-15	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	8.83	13.39	NA	NA
S-15	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	9.31	12.91	NA	NA
S-15	1/14/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	22.22	6.64	15.58	NA	NA
S-15	4/16/1993	<50	0.6	1.0	<0.5	0.7	NA	NA	22.22	7.14	15.08	NA	NA
S-15	7/23/1993	<50	1.2	<0.5	<0.5	1.6	NA	NA	22.22	8.23	13.99	NA	NA
S-15	10/27/1993	Well inaccessible		NA	NA	NA	NA	NA	22.22	NA	NA	NA	NA
S-15	1/27/1994	Well inaccessible		NA	NA	NA	NA	NA	22.22	NA	NA	NA	NA
S-15	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.42	7.57	13.85	NA	NA
S-15	7/26/1994	<50	<0.3	<0.3	<0.3	<0.6	NA	NA	21.42	8.16	13.26	NA	NA
S-15	10/28/1994	<50	0.3	<0.3	<0.3	<0.6	NA	NA	21.42	7.87	13.55	NA	NA
S-15	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.42	7.02	14.40	NA	NA
S-15	4/14/1995	NA	NA	NA	NA	NA	NA	NA	21.42	6.19	15.23	NA	NA
S-15	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.42	6.72	14.70	NA	NA
S-15	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.42	7.04	14.38	NA	NA
S-15	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	21.42	6.40	15.02	NA	NA
S-15	03/18/2002 d	NA	NA	NA	NA	NA	NA	NA	21.47	NA	NA	NA	NA
S-15	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	21.47	7.07	14.40	NA	NA
S-16	5/4/1994	380	44	3.0	2.0	<3	NA	NA	21.82	NA	NA	NA	NA

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S-16	8/10/1989	<50	0.6	<1	<1	<3	NA	NA	21.82	8.36	13.46	NA	NA
S-16	10/10/1989	<5	<0.5	<1	<1	<3	NA	NA	21.82	8.23	13.59	NA	NA
S-16	1/25/1990	240	160	3.3	0.8	11	NA	NA	21.82	7.88	13.94	NA	NA
S-16	4/18/1990	<50	1.0	<0.5	<0.5	<1	NA	NA	21.82	8.19	13.63	NA	NA
S-16	7/23/1990	<50	1.1	<0.5	<0.5	<0.5	NA	NA	21.82	8.09	13.73	NA	NA
S-16	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.82	8.90	12.92	NA	NA
S-16	1/28/1991	<50	<0.5	0.6	<0.5	0.9	NA	NA	21.82	8.55	13.27	NA	NA
S-16	4/25/1991	60	21	0.5	3.2	4.8	NA	NA	21.82	7.48	14.34	NA	NA
S-16	7/9/1991	<50	1.0	<0.5	<0.5	<0.5	NA	NA	21.82	8.48	13.34	NA	NA
S-16	10/8/1991	50	17	1.4	1.2	5.5	NA	NA	21.82	8.95	12.87	NA	NA
S-16	2/5/1992	150	65	0.7	<0.5	8.4	NA	NA	21.82	8.20	13.62	NA	NA
S-16	4/28/1992	<50	13	<0.5	<0.5	<0.5	NA	NA	21.82	7.80	14.02	NA	NA
S-16	7/27/1992	510	130	<2.5	<0.5	21	NA	NA	21.82	8.29	13.53	NA	NA
S-16	10/26/1992	<50	<0.5	<0.5	<2.5	<0.5	NA	NA	21.82	9.02	12.80	NA	NA
S-16	1/13/1993	100	25	1.9	<0.5	8.4	NA	NA	21.82	5.78	16.04	NA	NA
S-16	4/16/1993	150	56	1.8	4.6	12	NA	NA	21.82	6.80	15.02	NA	NA
S-16	7/23/1993	<50	0.9	<0.5	<0.5	<0.5	NA	NA	21.82	7.67	14.15	NA	NA
S-16	10/27/1993	<50	1.5	<0.5	<0.5	<0.5	NA	NA	21.82	8.52	13.30	NA	NA
S-16	1/27/1994	140	85	<1	<1	13	NA	NA	21.82	7.20	14.62	NA	NA
S-16	5/5/1994	71	25	<0.5	<0.5	4.2	NA	NA	21.24	7.76	13.48	NA	NA
S-16	7/26/1994	<50	<0.3	<0.3	<0.3	<0.6	NA	NA	21.24	7.84	13.40	NA	NA
S-16	10/28/1994	<50	11.5	<0.3	<0.3	1.8	NA	NA	21.24	7.97	13.27	NA	NA
S-16	1/2/1995	70	64	<0.5	<0.5	4.0	NA	NA	21.24	6.49	14.75	NA	NA
S-16	4/14/1995	NA	NA	NA	NA	NA	NA	NA	21.24	6.08	15.16	NA	NA
S-16	7/28/1995	<50	1.7	<0.5	<0.5	<0.5	NA	NA	21.24	7.00	14.24	NA	NA
S-16	10/17/1995	<50	4.6	<0.5	<0.5	<0.5	NA	NA	21.24	7.15	14.09	NA	NA
S-16	1/11/1996	80	17	0.7	<0.5	2.9	<2	NA	21.24	6.30	14.94	NA	NA
S-16	4/2/1996	NA	NA	NA	NA	NA	NA	NA	21.24	5.84	15.40	NA	NA

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S-16	7/9/1996	NA	NA	NA	NA	NA	NA	NA	21.24	6.72	14.52	NA	NA
S-16	10/10/1996	NA	NA	NA	NA	NA	NA	NA	21.24	7.41	13.83	NA	NA
S-16	1/9/1997	80	18	<0.50	1.7	4.8	<2.5	NA	21.24	5.60	15.64	NA	NA
S-16	4/8/1997	NA	NA	NA	NA	NA	NA	NA	21.24	7.34	13.90	NA	NA
S-16	7/21/1997	NA	NA	NA	NA	NA	NA	NA	21.24	7.20	14.04	NA	NA
S-16	10/8/1997	NA	NA	NA	NA	NA	NA	NA	21.24	7.34	13.90	NA	NA
S-16	1/15/1998	650	160	2.7	8.7	62	<12	NA	21.24	4.79	16.45	NA	NA
S-16	4/14/1998	NA	NA	NA	NA	NA	NA	NA	21.24	5.27	15.97	NA	NA
S-16	7/14/1998	NA	NA	NA	NA	NA	NA	NA	21.24	6.32	14.92	NA	NA
S-16	10/20/1998	NA	NA	NA	NA	NA	NA	NA	21.24	6.94	14.30	NA	NA
S-16	1/22/1999	Well inaccessible		NA	NA	NA	NA	NA	21.24	NA	NA	NA	NA
S-16	4/8/1999	NA	NA	NA	NA	NA	NA	NA	21.24	5.80	15.44	NA	NA
S-16	7/23/1999	NA	NA	NA	NA	NA	NA	NA	21.24	6.62	14.62	NA	NA
S-16	10/26/1999	NA	NA	NA	NA	NA	NA	NA	21.24	7.42	13.82	NA	NA
S-16	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	21.24	7.34	13.90	NA	NA
S-16	4/14/2000	NA	NA	NA	NA	NA	NA	NA	21.24	6.27	14.97	NA	NA
S-16	7/12/2000	NA	NA	NA	NA	NA	NA	NA	21.24	7.02	14.22	NA	NA
S-16	11/1/2000	NA	NA	NA	NA	NA	NA	NA	21.24	6.79	14.45	NA	NA
S-16	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	3.05	NA	21.24	7.18	14.06	NA	NA
S-16	4/24/2001	NA	NA	NA	NA	NA	NA	NA	21.24	6.85	14.39	NA	NA
S-16	7/2/2001	NA	NA	NA	NA	NA	NA	NA	21.24	7.51	13.73	NA	NA
S-16	11/2/2001	NA	NA	NA	NA	NA	NA	NA	21.24	7.68	13.56	NA	NA
S-16	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	21.24	6.40	14.84	NA	NA
S-16	4/1/2002	NA	NA	NA	NA	NA	NA	NA	21.24	6.33	14.91	NA	NA
S-16	7/11/2002	NA	NA	NA	NA	NA	NA	NA	21.24	7.39	13.85	NA	NA
S-16	10/28/2002	NA	NA	NA	NA	NA	NA	NA	21.30	8.00	13.30	NA	NA
S-16	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	21.30	6.36	14.94	NA	NA
S-16	4/30/2003	NA	NA	NA	NA	NA	NA	NA	21.30	6.03	15.27	NA	NA

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S-16	7/1/2003	NA	NA	NA	NA	NA	NA	NA	21.30	7.28	14.02	NA	NA
S-16	10/8/2003	NA	NA	NA	NA	NA	NA	NA	21.30	7.77	13.53	NA	NA
S-16	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.30	6.80	14.50	NA	NA
S-16	7/13/2004	NA	NA	NA	NA	NA	NA	NA	21.30	7.94	13.36	NA	NA
S-16	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.30	5.62	15.68	NA	NA
S-16	7/19/2005	NA	NA	NA	NA	NA	NA	NA	21.30	6.53	14.77	NA	NA
S-16	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	21.30	6.05	15.25	NA	NA
S-16	7/25/2006	NA	NA	NA	NA	NA	NA	NA	21.30	7.19	14.11	NA	NA
S-16	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	21.30	6.89	14.41	NA	NA
S-16	7/24/2007	NA	NA	NA	NA	NA	NA	NA	21.30	7.60	13.70	NA	NA
S-16	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	21.30	5.82	15.48	NA	NA
S-16	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**21.30**	**7.55**	**13.75**	**NA**	**NA**
S-17	5/3/1989	<50	<0.5	<1	<1	<3	NA	NA	20.95	NA	NA	NA	NA
S-17	8/10/1989	<50	<0.5	<1	<1	<3	NA	NA	20.95	8.13	12.82	NA	NA
S-17	10/9/1989	<50	<0.5	<1	<1	<3	NA	NA	20.95	8.18	12.77	NA	NA
S-17	1/25/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	20.95	7.60	13.35	NA	NA
S-17	4/18/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	20.95	7.95	13.00	NA	NA
S-17	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	7.87	13.08	NA	NA
S-17	10/18/1990	390	10	62	22	110	NA	NA	20.95	8.71	12.24	NA	NA
S-17	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	8.54	12.41	NA	NA
S-17	4/25/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	7.15	13.80	NA	NA
S-17	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	8.24	12.71	NA	NA
S-17	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	8.86	12.09	NA	NA
S-17	2/5/1992	NA	NA	NA	NA	NA	NA	NA	20.95	7.74	13.21	NA	NA
S-17	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	7.41	13.54	NA	NA
S-17	7/27/1992	NA	NA	NA	NA	NA	NA	NA	20.95	8.34	12.61	NA	NA
S-17	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	8.87	12.08	NA	NA

TABLE 1
WELL CONCENTRATIONS
Former Shell Service Station
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Well ID	Date	TPPH (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	1/13/1993	NA	NA	NA	NA	NA	NA	NA	20.95	3.43	17.52	NA	NA
S-17	4/16/1993	130	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	6.70	14.25	NA	NA
S-17	7/23/1993	NA	NA	NA	NA	NA	NA	NA	20.95	7.53	13.42	NA	NA
S-17	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.95	8.29	12.66	NA	NA
S-17	1/27/1994	NA	NA	NA	NA	NA	NA	NA	20.95	5.78	15.17	NA	NA
S-17	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.45	6.99	13.46	NA	NA
S-17	7/26/1994	NA	NA	NA	NA	NA	NA	NA	20.45	7.62	12.83	NA	NA
S-17	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	NA	NA	20.45	7.91	12.54	NA	NA
S-17	1/2/1995	NA	NA	NA	NA	NA	NA	NA	20.45	6.33	14.12	NA	NA
S-17	4/14/1995	NA	NA	NA	NA	NA	NA	NA	20.45	5.53	14.92	NA	NA
S-17	7/28/1995	NA	NA	NA	NA	NA	NA	NA	20.45	6.75	13.70	NA	NA
S-17	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.45	7.15	13.30	NA	NA
S-17	1/11/1996	NA	NA	NA	NA	NA	NA	NA	20.45	6.37	14.08	NA	NA
S-17	4/2/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	20.45	5.31	15.14	NA	NA
S-17	7/9/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	6.30	14.15	NA	NA
S-17	10/10/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	7.80	12.65	NA	NA
S-17	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	4.80	15.65	NA	NA
S-17	4/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	6.83	13.62	NA	NA
S-17 (D)	4/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	NA	NA	NA	NA
S-17	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	6.78	13.67	NA	NA
S-17	10/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	6.80	13.65	NA	NA
S-17	1/15/1998	380	<0.50	<0.50	<0.50	0.94	<2.5	NA	20.45	2.91	17.54	NA	NA
S-17	4/14/1998	160	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	4.47	15.98	NA	NA
S-17	7/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	6.45	14.00	NA	NA
S-17	10/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.45	7.11	13.34	NA	NA
S-17	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	20.45	6.01	14.44	NA	NA
S-17	4/8/1999	145	<0.500	<0.500	<0.500	<0.500	<5.00	NA	20.45	4.69	15.76	NA	NA
S-17	7/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	20.45	6.60	13.85	NA	NA

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Well ID	Date	TPPH (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	10/26/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.45	6.68	13.77	NA	NA
S-17	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.45	7.20	13.25	NA	NA
S-17	4/14/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.45	5.88	14.57	NA	NA
S-17	7/12/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.45	6.45	14.00	NA	NA
S-17	11/1/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.45	5.45	15.00	NA	NA
S-17	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.45	7.22	13.23	NA	NA
S-17	4/24/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	20.45	6.10	14.35	NA	NA
S-17	7/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.45	6.95	13.50	NA	NA
S-17	11/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.45	7.50	12.95	NA	NA
S-17	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.45	5.76	14.69	NA	NA
S-17	4/1/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.45	6.02	14.43	NA	NA
S-17	7/11/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.45	6.97	13.48	NA	NA
S-17	10/28/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	20.44	7.60	12.84	NA	0.9
S-17	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.44	5.77	14.67	NA	NA
S-17	4/30/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	20.44	5.35	15.09	NA	NA
S-17	7/1/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	20.44	6.95	13.49	NA	1.1
S-17	10/8/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	20.44	7.01	13.43	NA	NA
S-17	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.44	6.57	13.87	NA	NA
S-17	7/13/2004	NA	NA	NA	NA	NA	NA	NA	20.36 f	7.71	12.65	NA	NA
S-17	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.36 f	5.09	15.27	NA	NA
S-17	7/19/2005	NA	NA	NA	NA	NA	NA	NA	20.36	6.30	14.06	NA	NA
S-17	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	20.36	5.50	14.86	NA	NA
S-17	7/25/2006	NA	NA	NA	NA	NA	NA	NA	20.36	6.84	13.52	NA	NA
S-17	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.36	6.15	14.21	NA	NA
S-17	7/24/2007	NA	NA	NA	NA	NA	NA	NA	20.36	6.92	13.44	NA	NA
S-17	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	20.36	5.05	15.31	NA	NA
S-17	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**20.36**	**6.96**	**13.40**	**NA**	**NA**

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Well ID	Date	TPPH (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	NA	NA	21.03	NA	NA	NA	NA
S-18	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	8.23	12.80	NA	NA
S-18	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	8.84	12.19	NA	NA
S-18	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	7.67	13.36	NA	NA
S-18	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	7.40	13.63	NA	NA
S-18	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	8.38	12.65	NA	NA
S-18	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	8.83	12.20	NA	NA
S-18	1/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	5.86	15.17	NA	NA
S-18	4/16/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	4.88	16.15	NA	NA
S-18	7/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	7.56	13.47	NA	NA
S-18	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	21.03	8.30	12.73	NA	NA
S-18	1/27/1994	<50	1.9	<0.5	<0.5	<0.5	NA	NA	21.03	6.84	14.19	NA	NA
S-18	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.57	7.05	13.52	NA	NA
S-18	7/26/1994	<500	<3	1.1	<0.3	1.8	NA	NA	20.57	7.62	12.95	NA	NA
S-18	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	NA	NA	20.57	8.01	12.56	NA	NA
S-18	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.57	6.26	14.31	NA	NA
S-18	4/14/1995	NA	NA	NA	NA	NA	NA	NA	20.57	4.85	15.72	NA	NA
S-18	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.57	5.80	14.77	NA	NA
S-18	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	20.57	7.22	13.35	NA	NA
S-18	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	NA	20.57	6.40	14.17	NA	NA
S-18	4/2/1996	NA	NA	NA	NA	NA	NA	NA	20.57	4.80	15.77	NA	NA
S-18	7/9/1996	NA	NA	NA	NA	NA	NA	NA	20.57	5.74	14.83	NA	NA
S-18	10/10/1996	NA	NA	NA	NA	NA	NA	NA	20.57	6.06	14.51	NA	NA
S-18	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.57	4.70	15.87	NA	NA
S-18	4/8/1997	NA	NA	NA	NA	NA	NA	NA	20.57	6.62	13.95	NA	NA
S-18	7/21/1997	NA	NA	NA	NA	NA	NA	NA	20.57	6.94	13.63	NA	NA
S-18	10/8/1997	NA	NA	NA	NA	NA	NA	NA	20.57	6.88	13.69	NA	NA
S-18	1/15/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.57	3.60	16.97	NA	NA

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Well ID	Date	TPPH (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	4/14/1998	NA	NA	NA	NA	NA	NA	NA	20.57	4.28	16.29	NA	NA
S-18	7/14/1998	NA	NA	NA	NA	NA	NA	NA	20.57	6.13	14.44	NA	NA
S-18	10/20/1998	NA	NA	NA	NA	NA	NA	NA	20.57	7.20	13.37	NA	NA
S-18	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	20.57	6.00	14.57	NA	NA
S-18	4/8/1999	NA	NA	NA	NA	NA	NA	NA	20.57	4.95	15.62	NA	NA
S-18	7/23/1999	NA	NA	NA	NA	NA	NA	NA	20.57	6.03	14.54	NA	NA
S-18	10/26/1999	NA	NA	NA	NA	NA	NA	NA	20.57	7.39	13.18	NA	NA
S-18	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.57	7.54	13.03	NA	NA
S-18	4/14/2000	NA	NA	NA	NA	NA	NA	NA	20.57	4.41	16.16	NA	NA
S-18	7/12/2000	NA	NA	NA	NA	NA	NA	NA	20.57	5.31	15.26	NA	NA
S-18	11/1/2000	NA	NA	NA	NA	NA	NA	NA	20.57	6.42	14.15	NA	NA
S-18	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	3.67	NA	20.57	7.30	13.27	NA	NA
S-18	4/24/2001	NA	NA	NA	NA	NA	NA	NA	20.57	6.83	13.74	NA	NA
S-18	7/2/2001	NA	NA	NA	NA	NA	NA	NA	20.57	7.23	13.34	NA	NA
S-18	11/2/2001	Unable to locate		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
S-18	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.57	6.15	14.42	NA	NA
S-18	4/1/2002	NA	NA	NA	NA	NA	NA	NA	20.57	6.06	14.51	NA	NA
S-18	7/11/2002	NA	NA	NA	NA	NA	NA	NA	20.57	6.98	13.59	NA	NA
S-18	10/28/2002	NA	NA	NA	NA	NA	NA	NA	20.63	7.66	12.97	NA	NA
S-18	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.63	6.18	14.45	NA	NA
S-18	4/30/2003	NA	NA	NA	NA	NA	NA	NA	20.63	5.32	15.31	NA	NA
S-18	7/1/2003	NA	NA	NA	NA	NA	NA	NA	20.63	7.20	13.43	NA	NA
S-18	10/8/2003	NA	NA	NA	NA	NA	NA	NA	20.63	7.48	13.15	NA	NA
S-18	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.63	6.74	13.89	NA	NA
S-18	7/13/2004	NA	NA	NA	NA	NA	NA	NA	20.63	7.87	12.76	NA	NA
S-18	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.63	5.33	15.30	NA	NA
S-18	7/19/2005	NA	NA	NA	NA	NA	NA	NA	20.63	6.55	14.08	NA	NA
S-18	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	20.63	5.89	14.74	NA	NA

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Well ID	Date	TPPH (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	7/25/2006	NA	NA	NA	NA	NA	NA	NA	20.63	7.10	13.53	NA	NA
S-18	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.63	6.60	14.03	NA	NA
S-18	7/24/2007	NA	NA	NA	NA	NA	NA	NA	20.63	7.13	13.50	NA	NA
S-18	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	20.63	5.25	15.38	NA	NA
S-18	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**20.63**	**7.85**	**12.78**	**NA**	**NA**
S-19	10/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	20.11	6.41	13.70	NA	NA
S-19	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	90.6	NA	20.11	5.42	14.69	NA	NA
S-19	4/8/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	20.11	4.61	15.50	NA	NA
S-19	7/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	20.11	5.86	14.25	NA	NA
S-19	10/26/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.11	6.28	13.83	NA	NA
S-19	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.11	6.62	13.49	NA	NA
S-19	4/14/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.11	4.31	15.80	NA	NA
S-19	7/12/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.11	5.46	14.65	NA	NA
S-19	11/1/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	20.11	5.05	15.06	NA	NA
S-19	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	9.61	NA	20.11	6.00	14.11	NA	NA
S-19	4/24/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	20.11	5.58	14.53	NA	NA
S-19	7/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.11	6.34	13.77	NA	3.4
S-19	11/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.11	6.57	13.54	NA	3.4
S-19	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.11	5.05	15.06	NA	0.5
S-19	4/1/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.11	5.13	14.98	NA	3.3
S-19	7/11/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.11	5.50	14.61	NA	0.5
S-19	10/28/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	20.10	6.35	13.75	NA	0.6
S-19	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	20.10	5.15	14.95	NA	0.3
S-19	4/30/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	20.10	4.90	15.20	NA	0.5
S-19	7/1/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	20.10	5.50	14.60	NA	1.7
S-19	10/8/2003	58	<0.50	<0.50	<0.50	<1.0	NA	<0.50	20.10	6.63	13.47	NA	0.4
S-19	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.10	5.67	14.43	NA	0.6

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San Leandro, CA

Well ID	Date	TPPH (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	7/13/2004	NA	NA	NA	NA	NA	NA	NA	20.10	6.82	13.28	NA	1.0
S-19	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.10	4.75	15.35	NA	0.6
S-19	7/19/2005	NA	NA	NA	NA	NA	NA	NA	20.10	5.15	14.95	NA	NA
S-19	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	NA	20.10	4.85	15.25	NA	NA
S-19	7/25/2006	NA	NA	NA	NA	NA	NA	NA	20.10	6.14	13.96	NA	NA
S-19	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	20.10	5.75	14.35	NA	NA
S-19	7/24/2007	NA	NA	NA	NA	NA	NA	NA	20.10	6.39	13.71	NA	NA
S-19	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	NA	NA	20.10	4.72	15.38	NA	NA
S-19	**8/4/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**20.10**	**6.43**	**13.67**	**NA**	**NA**
SR-1	3/22/1989	5400	1100	230	350	1300	NA	NA	21.45	NA	NA	NA	NA
SR-1	1/25/1990	2200	470	120	110	510	NA	NA	21.45	7.53	13.92	NA	NA
SR-1	4/18/1990	1000	130	47	47	220	NA	NA	21.45	8.17	13.28	NA	NA
SR-1	7/23/1990	3200	470	320	170	870	NA	NA	21.45	7.58	13.87	NA	NA
SR-1	10/18/1990	1300	280	6.6	110	130	NA	NA	21.45	8.81	12.64	NA	NA
SR-1	1/28/1991	110	120	12	51	110	NA	NA	21.45	8.37	13.08	NA	NA
SR-1	4/25/1991	NA	NA	NA	NA	NA	NA	NA	21.45	6.91	14.54	NA	NA
SR-1	7/9/1991	1400	200	27	130	340	NA	NA	21.45	8.11	13.34	NA	NA
SR-1	10/8/1991	980	79	1.5	44	52	NA	NA	21.45	8.63	12.82	NA	NA
SR-1	2/5/1991	3800	580	36	320	400	NA	NA	21.45	7.68	13.77	NA	NA
SR-1	4/28/1992	38000	1800	460	1900	750	NA	NA	21.45	7.27	14.18	NA	NA
SR-1	7/27/1992	NA	NA	NA	NA	NA	NA	NA	21.45	8.11	13.34	0.01	NA
SR-1	10/26/1992	1800	370	10	130	130	NA	NA	21.45	8.63	12.82	NA	NA
SR-1	1/13/1993	47000	1000	1100	1700	13000	NA	NA	21.45	5.46	15.99	NA	NA
SR-1	4/16/1993	25000	1700	430	2400	8300	NA	NA	21.45	6.28	15.17	NA	NA
SR-1	7/23/1993	33000	2400	2000	3800	14000	NA	NA	21.45	7.34	14.11	NA	NA
SR-1	10/27/1993	2300	340	<12.5	270	440	NA	NA	21.45	8.04	13.41	NA	NA
SR-1	1/27/1994	36000	2000	1700	3000	11000	NA	NA	21.45	6.68	14.77	NA	NA

TABLE 1
WELL CONCENTRATIONS
Former Shell Service Station
15275 Washington Boulevard
San Leandro, CA

Well ID	Date	TPPH (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	5/5/1994	43000	1500	130	2900	12000	NA	NA	20.57	6.81	13.76	NA	NA
SR-1	7/26/1994	13600	682.7	39.2	996.6	2516	NA	NA	20.57	7.38	13.19	NA	NA
SR-1	10/28/1994	8462	301.5	29.3	384.7	2019	NA	NA	20.57	7.48	13.09	NA	NA
SR-1	1/2/1995	13000	400	120	2500	10000	NA	NA	20.57	6.34	14.23	NA	NA
SR-1	4/14/1995	43000	690	370	2500	12000	NA	NA	20.57	5.29	15.28	NA	NA
SR-1	7/28/1995	35000	760	120	2300	8100	NA	NA	20.57	6.36	14.21	NA	NA
SR-1	10/17/1995	9700	310	12	610	1200	NA	NA	20.57	6.62	13.95	NA	NA
SR-1 (D)	10/17/1995	8300	230	9.6	680	840	NA	NA	20.57	NA	NA	NA	NA
SR-1	1/11/1996	18000	410	170	1200	4400	42	NA	20.57	5.66	14.91	NA	NA
SR-1 (D)	1/11/1996	17000	420	180	1100	4000	42	NA	20.57	NA	NA	NA	NA
SR-1	4/2/1996	NA	NA	NA	NA	NA	NA	NA	20.57	5.14	15.43	NA	NA
SR-1	7/9/1996	Well inaccessible		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
SR-1	10/10/1996	Well inaccessible		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
SR-1	1/9/1997	Well inaccessible		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
SR-1	4/8/1997	Well inaccessible		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
SR-1	7/21/1997	Well inaccessible		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
SR-1	10/8/1997	NA	NA	NA	NA	NA	NA	NA	20.57	6.94	13.63	NA	NA
SR-1	1/15/1998	8100	82	<25	36	2300	<125	NA	20.57	4.30	16.27	NA	NA
SR-1	4/14/1998	Well inaccessible		NA	NA	NA	NA	NA	20.57	NA	NA	NA	NA
SR-1	7/14/1998	NA	NA	NA	NA	NA	NA	NA	20.28	6.48	13.80	NA	NA
SR-1	10/20/1998	NA	NA	NA	NA	NA	NA	NA	20.28	6.61	13.67	NA	NA
SR-1	1/22/1999	Well inaccessible		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	4/8/1999	NA	NA	NA	NA	NA	NA	NA	20.28	0.97	19.31	NA	NA
SR-1	7/23/1999	Well dry	NA	NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	10/26/1999	Well dry	NA	NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	4/14/2000	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	7/12/2000	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	11/1/2000	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA

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SR-1	1/3/2001	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	4/24/2001	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	7/2/2001	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	11/2/2001	Well dry	NA	NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	1/16/2002	Well dry	NA	NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	4/1/2002	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	7/11/2002	Obstruction in well		NA	NA	NA	NA	NA	20.28	NA	NA	NA	NA
SR-1	10/28/2002	Obstruction in well		NA	NA	NA	NA	NA	20.27	NA	NA	NA	NA
SR-1	1/23/2003	Obstruction in well		NA	NA	NA	NA	NA	20.27	NA	NA	NA	NA
SR-1	4/30/2003	Obstruction in well		NA	NA	NA	NA	NA	20.27	NA	NA	NA	NA
SR-1	7/1/2003	Obstruction in well		NA	NA	NA	NA	NA	20.27	NA	NA	NA	NA
SR-1	10/8/2003	Well dry	NA	NA	NA	NA	NA	NA	20.27	NA	NA	NA	NA
SV-1	04/15/1998 b	NA	NA	NA	NA	NA	NA	NA	NA	6.02	NA	NA	NA
SV-1	04/15/1998 c	NA	NA	NA	NA	NA	NA	NA	NA	7.15	NA	NA	NA
SV-1	03/18/2002 d	NA	NA	NA	NA	NA	NA	NA	21.31	NA	NA	NA	NA
SV-1	1/22/2004	3000	15	<2.5	34	11	NA	<2.5	21.31	6.67	14.64	NA	NA

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Well ID	Date	TPPH (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)

Abbreviations:

TPPH = 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

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

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WELL CONCENTRATIONS
Former Shell Service Station
15275 Washington Boulevard
San Leandro, CA

Well ID	Date	TPPH (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)

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) in the sample 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.