### RECEIVED

Chevron

2:33 pm, Jan 20, 2009

Alameda County Environmental Health Aaron Costa Project Manager Marketing Business Unit Chevron Environmental Management Company 6111 Bollinger Canyon Road San Ramon, CA 94583 Tel (925) 543-2961 Fax (925) 543-2324 acosta@chevron.com

Alameda County Health Care Services 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-0290 1802 Webster Street Alameda, CA

I have reviewed the attached report dated January 20, 2009.

I agree with the conclusions and recommendations presented in the referenced report. This information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This workplan was prepared by Conestoga Rovers Associates, upon who assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Aaron Costa Project Manager

Attachment: Report



5900 Hollis Street, Suite A Emeryville, California 94608 Telephone: (510) 420-0700 http://www.craworld.com

Fax: (510) 420-9170

January 20, 2009

Reference No. 311594

Mr. Steven Plunkett Alameda County Environmental Health Services 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577

Re: Work Plan for Vapor Investigation and Utility Corridor Evaluation Chevron Service Station 9-0290 1802 Webster Street Alameda, California Fuel Leak Case RO0000195

Dear Mr. Plunkett:

Conestoga-Rovers & Associates is submitting this *Work Plan for Vapor Investigation and Utility Corridor Evaluation* on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. A utility corridor evaluation, vapor investigation and an evaluation of a potential upgradient MTBE source was requested by the Alameda County Environmental Health Services (ACEH) as documented in their letter dated October 7, 2008 (Attachment A). Site background information, a discussion of ACEH's technical comments, and CRA's proposed scope of work are discussed below.

#### SITE BACKGROUND

The site is an active Chevron station located at the northeast corner of Webster Street (State Highway 61) and Buena Vista Avenue in Alameda, California (Figure 1). A 76 service station (former BP and open ACEH fuel leak case RO0000281) is located upgradient, across Buena Vista Avenue to the south. Land use in the area is mixed commercial and residential.

Chevron purchased the property in 1925 and has operated a service station on the site since at least the late 1940s. Chevron purchased two additional parcels in 1964 and leased the additional parcels in 1969. The service station was remodeled into its current configuration in 1969 and, at present, operates with four 10,000-gallon gasoline underground storage tanks (USTs), one used-oil UST, four fuel dispenser islands under a common canopy, and associated product piping (Figure 2). A chronological summary of environmental investigations conducted to date at the site are summarized in Attachment B.

Equal Employment Opportunity Employer



Reference No. 311594

### SITE GEOLOGY AND HYDROGEOLOGY

Soil encountered beneath the site consists primarily of moderate permeability dune sands and silty sands of Holocene and Pleistocene age to the total depth explored of 20 feet below grade (fbg).

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The site is located on the island of Alameda, in the Central Sub-area of the East Bay Plain Sub-basin of the Santa Clara Valley Groundwater Basin. The Oakland Inner Harbor is approximately 0.75 miles to the north and the San Francisco Bay is approximately 1.5 miles to the south of the site. Site elevation is approximately 10 to 13 feet above mean sea level and the topography slopes gently to the north. The nearest surface water body is Oakland-Alameda Estuary, approximately 0.25 miles north of the site. Quarterly monitoring has been conducted at the site since 1991. Historically, depth to groundwater across the site has varied between 3 and 7 fbg. Groundwater flow is north to northwest with a gradient of 0.005 to 0.01.

#### ACEH TECHNICAL COMMENTS

In a letter dated October 7, 2008, the ACEH requested Chevron address their technical comments regarding underground utilities, an updated site conceptual model (SCM), a potential upgradient MTBE source, and an interim remedial action plan (Attachment A).

*Utility Corridor Evaluation:* ACEH has requested an evaluation of the underground utilities to assess whether these utilities may be acting as preferential pathways for MTBE migration. As indicated above, depth to groundwater beneath the site has historically varied between 3 to 7 fbg; however, typical depth to water fluctuations are between 4 to 6 fbg with seasonal rainfall. Because the storm drain and sewer located in Webster Street are at between 5 and 8 fbg, it is possible that they are acting as preferential pathways for MTBE migration.

Gettler-Ryan Inc. (G-R) conducted an investigation on May 16, 2001 to evaluate whether the utility trenches are acting as preferential pathways for migration; however, it was inconclusive. This investigation included G-R advancing soil borings SB-4 through SB-11 in the sidewalk and in Webster Street. Grab-groundwater samples collected from soil borings SB-4, SB-6, and SB-8, advanced in the sidewalk adjacent to the western side of the site, contained up to 3,200  $\mu$ g/L MTBE. This concentration is an order of magnitude less than the 35,000  $\mu$ g/L MTBE (May 14, 2001) detected in the groundwater sample collected from B-11, located approximately 20 feet upgradient of the borings. Due to a concrete obstruction at 4 fbg, borings SB-5, SB-7, SB-9, SB-10, and SB-11, located in Webster Street, were not completed to groundwater. The lateral extent of the concrete beneath the street suggests that additional attempts to hand-auger in the street are likely to encounter the obstruction again. The presence of concrete at 4 fbg and safety concerns associated with drilling in a high traffic roadway make any



Reference No. 311594

additional attempts to advance soil borings in Webster Street infeasible. In 2005, two additional soil borings were proposed in the sidewalk of Webster Street, adjacent to the site, to further investigate the possibility of utility conduits acting as preferential pathways. Several high voltage electrical lines running beneath the sidewalk prevented installation of the soil borings. CRA's updated site plan with utility locations, depths, and pipe diameters is presented on Figure 3.

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*Vapor Investigation and Site Conceptual Model*: ACEH has also requested a vapor survey to determine if there is a potential vapor intrusion risk associated with the site. The results of this vapor investigation will be used in a human health risk assessment for the site. CRA's proposed scope of work to provide this information is presented below. Once the vapor investigation is complete, CRA will submit an updated SCM under separate cover.

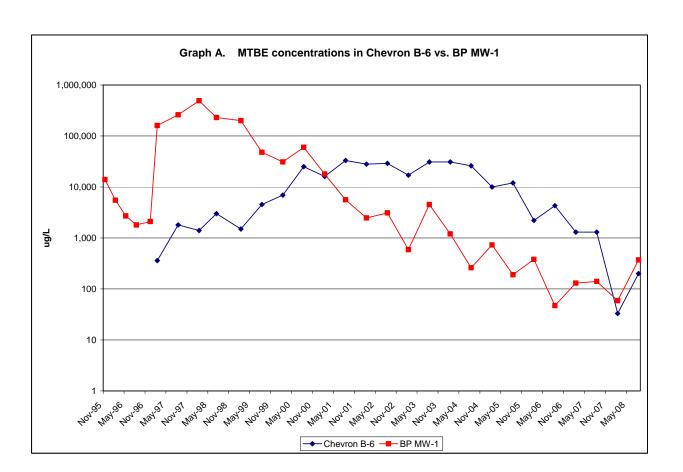
**Potential Upgradient MTBE Source**: ACEH states that MTBE originating from the former BP Service Station (BP), located upgradient of the site may be contributing to the MTBE plume beneath the Chevron site. Chevron monitoring well B-6, located approximately 50 feet upgradient of the Chevron source area has contained high MTBE concentrations up to 34,000  $\mu$ g/L, which appear to be originating from BP. We concur that MTBE originating from the BP site has impacted groundwater beneath the southern portion of the Chevron site in the area of well B-6.

ACEH has requested that additional borings be advanced south of the site to confirm that MTBE reported in well B-6 is from the upgradient BP site. Given the proximity and relative distance between these wells (well B-6 is located on the southernmost edge of the Chevron property and well MW-1 located on the northernmost edge of the BP property), and the presence of Buena Vista Avenue, advancement of additional borings between these wells is not feasible, as it is not safe to drill in the middle of a roadway. Additionally, evaluation of the MTBE concentrations in groundwater over time in these two wells suggests a connection. As shown on Graph A below, when MTBE concentrations in well MW-1 spiked in January 1998 at 490,000  $\mu$ g/L, concentrations in B-6 were low (1,400  $\mu$ g/L). After January 1998, concentrations in well MW-1 began to decrease and in well B-6 increased until 2001 when both wells contained similar concentrations of 18,000  $\mu$ g/L and 16,000  $\mu$ g/L, respectively. Since then, concentrations in both wells have been decreasing. Chevron's Fourth Quarter 2008 groundwater monitoring and sampling report is included as Attachment C and BP's Third Quarter 2008 semi-annual groundwater monitoring and sampling report is included as Attachment D.



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*Interim Remedial Action Plan (IRAP)*: CRA will submit an IRAP under separate cover by the requested date of March 1, 2009.

#### PROPOSED SCOPE OF WORK

The objective of the proposed scope of work is to provide soil vapor data to determine whether potential risk exists from vapor intrusion and to use the information for a human health risk assessment. To meet this objective, three vapor probes will be installed: one between monitoring wells B-6 and A-1, one in front of the station building in the vicinity of soil boring SB-2 and one between monitoring wells B-11 and B-5 (Figure 4). To accomplish this work, CRA will conduct the following activities.

*Underground Utility Location*: CRA will contact Underground Services Alert (USA) and use a private utility locator to reconfirm that no utilities exist at and near the probe locations.



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*Health and Safety Plan*: CRA will prepare a health and safety plan to protect site workers. The plan will be reviewed and signed by all site workers and visitors. The plan will remain onsite during all field activities.

*Permits:* CRA will obtain soil boring permits from the Alameda County Public Works Agency prior to beginning field operations.

*Soil Borings and Sampling*: Based on depth to water, CRA will install three probes between 4 and 5 fbg. The Department of Toxic Substances Control (DTSC) *Advisory-Active Soil Gas Investigations* guidance document, dated January 28, 2003, recommends that all probes should be installed at 5 fbg to minimize the effects of changes in barometric pressure, temperature, or breakthrough of ambient air from the surface. Based on past depth to water monitoring, groundwater is deepest in the third or fourth quarter. Therefore, it is highly recommended that the probes be installed in late third quarter to maximize sample depth. It is estimated that the total depth of borings will not exceed 6 fbg. Soil samples will be collected at 3 fbg using a hand-auger and described as disturbed samples. One undisturbed sample will be collected with a slide-hammer above the installation of the probe and analyzed for physical parameters.

*Vapor Probe Construction:* Vapor probes will be constructed of a permeable porcelain filter with a <sup>1</sup>/<sub>4</sub>-inch push-to-connect fitting to <sup>1</sup>/<sub>4</sub>-inch Teflon tubing. Each probe will be placed at approximately 4 to 5 fbg and surrounded by a 12-inch sand pack. Above the sand pack, 12-inches of dry granulated bentonite will be topped with at least 12-inches of hydrated granular bentonite. The vapor probes will be finished at the surface using a traditional well vault.

*Vapor Probes Sampling:* Vapor samples will be collected at least 48 hours after the placement of the probes using 1-liter Summa<sup>™</sup> canisters in a manifold system, connected to the sampling tubing at each vapor point. Approximately three purge volumes will be purged from the sampling tubing before sampling begins, using the same flow rate during sample collection. While sampling, the vacuum of the Summa<sup>™</sup> canister will be used to draw the soil vapor through the flow controller until a negative pressure of approximately 5 inches of Hg is observed on the vacuum gauge. In accordance with the DTSC *Advisory-Active Soil Gas Investigations* guidance document, dated January 28, 2003, leak testing will be performed during sampling. After sampling, the Summa<sup>™</sup> canisters will be packaged and sent to the Air Toxics laboratory under chain-of-custody for analysis. Standard Field Procedures for Soil Vapor Probe Installation and Sampling are presented as Attachment E.

*Vapor Chemical Analysis:* Vapor samples will be analyzed for the following:

- TPHg, BTEX, MTBE and naphthalene by EPA Method TO-15; and
- O<sub>2</sub>, CO<sub>2</sub>, CH<sub>4</sub> and helium by ASTM 1946 (GC/TCD).



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*Soil Chemical Analysis:* Select soil samples will be analyzed for the following:

- TPHg by EPA Method 8015 modified; and
- BTEX and MTBE by EPA Method 8260B.
- Physical parameters, including moisture content, bulk density, total porosity, air- and water-filled porosity, organic carbon and effective permeability.

*Waste Disposal:* Soil cuttings generated will be placed in drums and labeled appropriately. These wastes will be transported to the appropriate Chevron-approved disposal facility following receipt of analytical profile results.

*Reporting:* Upon completion of field activities and review of the analytical results, we will prepare an investigation/risk evaluation report that, at a minimum, will contain:

- Descriptions of the probe installation and sampling methods;
- Boring logs;
- Tabulated soil and soil vapor analytical results;
- Analytical reports and chain-of-custody forms;
- Soil disposal details;
- A comparison of detected vapor concentrations to ESLs; and
- Conclusions and recommendations.

CRA will submit an updated SCM under separate cover once the above investigations are complete.



Reference No. 311594

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We appreciate the opportunity to work with you on this project. Please contact Ms. Charlotte Evans at (510) 420-3351 or Mr. Aaron Costa at (925) 543-2961 if you have any questions or comments regarding this report.

Sincerely,

#### CONESTOGA-ROVERS & ASSOCIATES

(Eran

**Charlotte Evans** 

CE/doh/2 Enc.



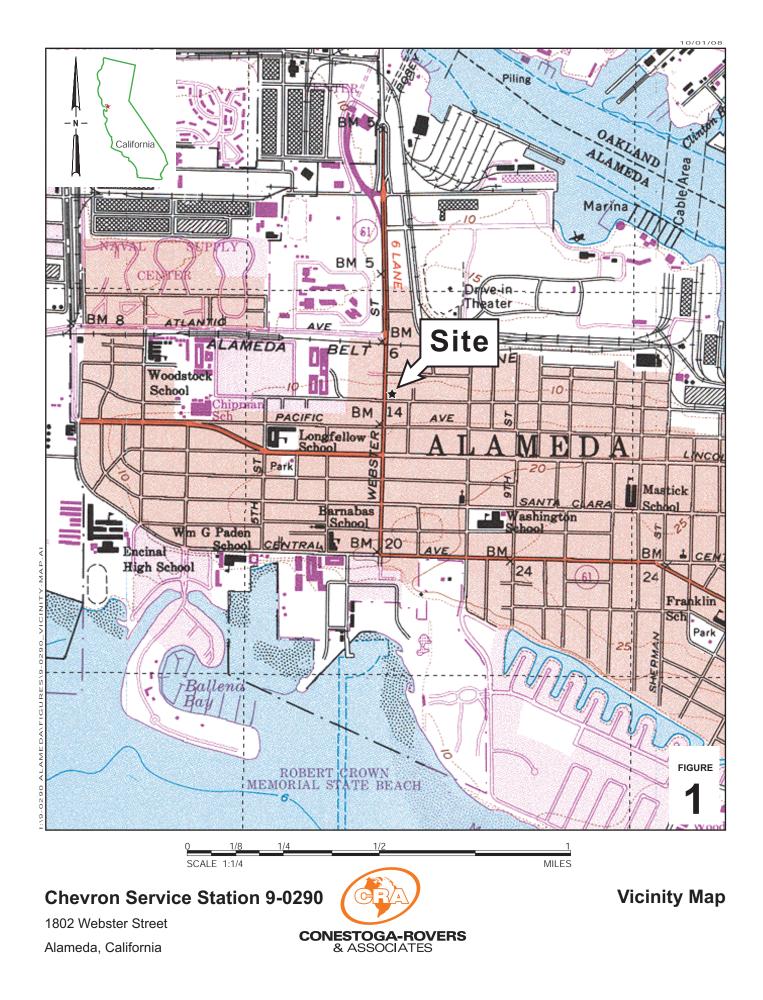
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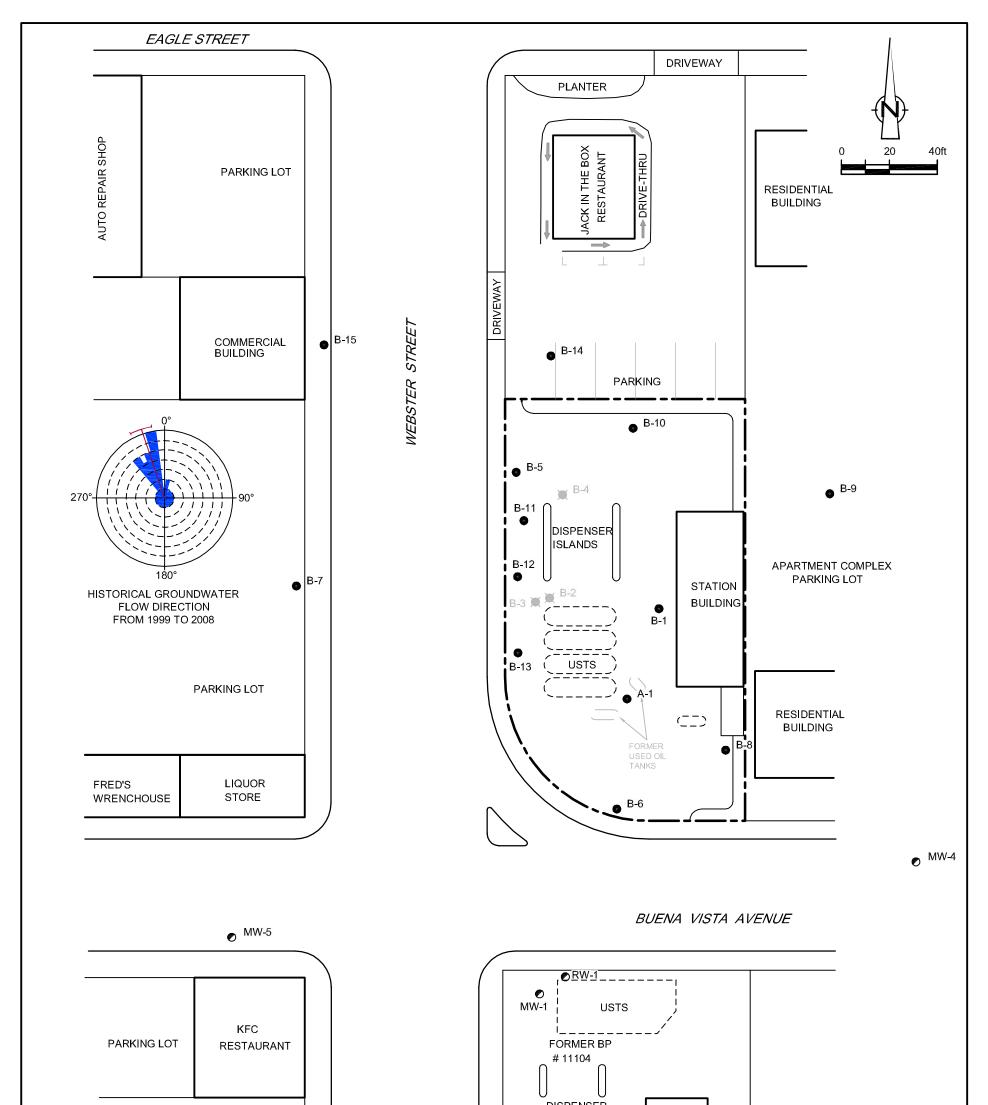
Brandon S. Wilken, P.G. # 7564

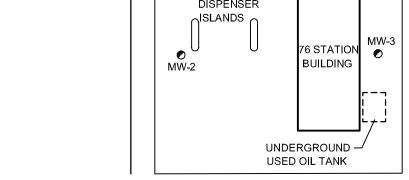
Figure 1	Site Vicinity Map
Figure 2	Site Plan
Figure 3	Site Plan with Historical Borings and Utility Locations
Figure 4	Site Plan with Proposed Vapor Probes
Attachment A	ACEH October 7, 2008 Letter
Attachment B	Summary of Previous Environmental Work
Attachment C	Chevron's Fourth Quarter 2008 Groundwater Monitoring and Sampling Report
Attachment D Attachment E	BP's Third Quarter 2008 Semi-Annual Groundwater Monitoring and Sampling Report Standard Field Procedures for Soil Vapor Probe Installation and Sampling

cc: Mr. Aaron Costa, Chevron Environmental Management Company

FIGURES







#### LEGEND

B-1 MONITORING WELL LOCATION

- MW-1 O FORMER BP MONITORING WELL LOCATION

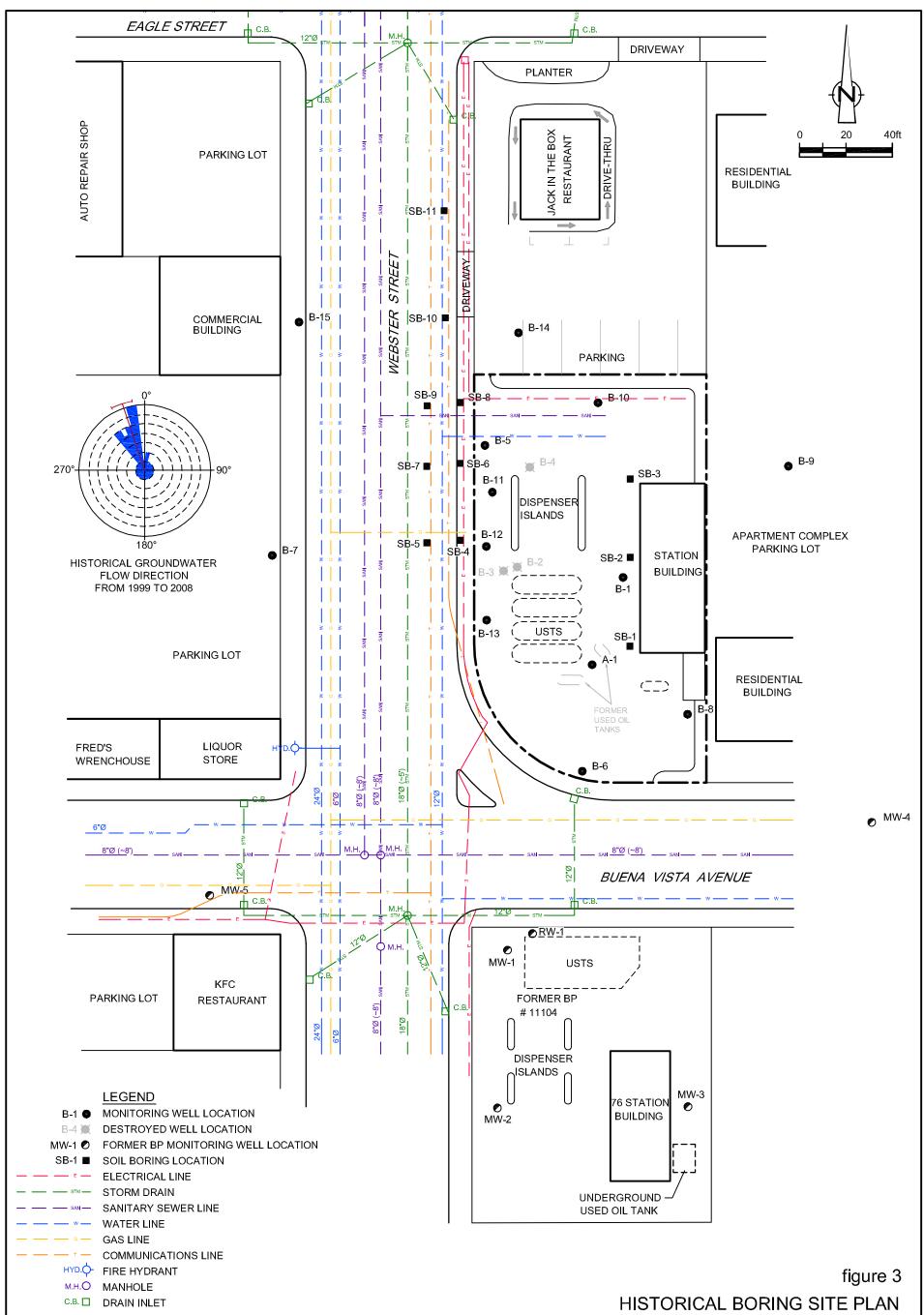


BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER RYAN INC.

311594-2008(001)GN-WA001 JAN 16/2009

figure 2

SITE PLAN CHEVRON SERVICE STATION 9-0290 1802 WEBSTER STREET *Alameda, California* 

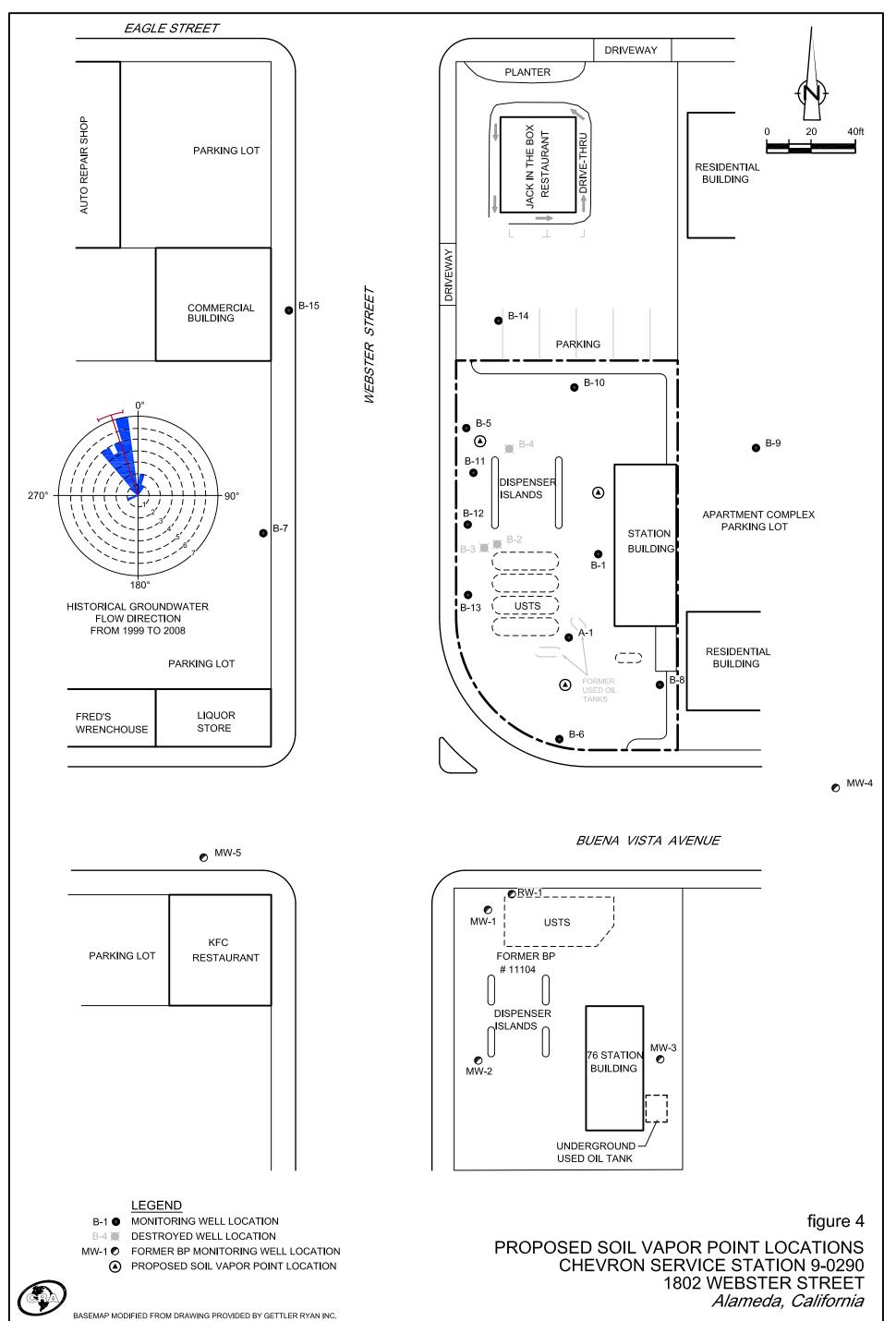


**CHEVRON SERVICE STATION 9-0290 1802 WEBSTER STREET** Alameda, California



BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER RYAN INC.

311594-2008(001)GN-WA002 JAN 16/2009



311594-2008(001)GN-WA003 JAN 19/2009

### ATTACHMENT A

### ACEH OCTOBER 7, 2008 LETTER

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY



DAVID J. KEARS, Agency Director

October 7, 2008

Mr. Ian Robb Chevron Environmental Management 6001 Bollinger Canyon Rd K2256 PO Box 6012 San Ramon, CA 94583-2324 Facility Number <u>90290</u> General Correspondences Service Reqs./Proposals Permits/Bonds Drawings/Photos/Notes Spill & Leak Reports Legal/Easements/Lic. Reports

L

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

Subject: Fuel Leak Case No. RO0000195 (Global ID # T0600100307), Chevron #9-0290, 1802 Webster Street, Alameda, CA

Dear Mr. Robb:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site and the document entitled "Down-gradient Hydrocarbon Plume Investigation Report," received April 18, 2007 and prepared by Conestoga Rovers Associates (CRA). Results from the subsurface investigation indicate that residual dissolved phase petroleum hydrocarbon contamination was detected in groundwater down gradient of your site at concentrations of up to 5,400 µg/L TPHd in soil boring SB-17 and 3,200 µg/L TPHd in soil boring SB-18. In addition, the work plan approval letter from ACEH (dated July 22, 2005) requested that you propose interim remediation to reduce the high concentrations of MtBE beneath your site and that you install soil borings between your site and the BP service station located at 1716 Webster Street, Alameda to assess if MtBE from the upgradient BP station is impacting your site.

In their May 2005 work plan, CRA proposed the installation of one monitoring well following the completion of the downgradient investigation. To date we have not received any information regarding the proposed monitoring well installation or well location. Furthermore, we have not received a response to our request for interim remediation of MtBE or a response to our request for the installation of soil borings between your site and the BP site.

Based on ACEH staff review of the case file, we request that you address the following technical comments and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to <u>mail to:steven.plunkett@acgov.org</u>) prior to the start of field activities.

#### **TECHNICAL COMMENTS**

1. Subsurface Investigation Results. CRA states that the soil borings (SB-17 and SB-18) installed across Webster Street lack MtBE and BTEX constituents that would be present if the contamination detected in the downgradient soil borings was from an onsite source. ACEH disagrees with CRA's conclusion that due to the lack of BTEX and MtBE detected in soil borings SB-17 and SB-18 the contamination identified in the downgradient soil borings is from an offsite source. Our evaluation of water quality data indicate that BTEX constituents have not been present in onsite monitoring wells B-5, B-11 or B-12 since approximately 2001. As a result, it is unlikely that BTEX would be present in downgradient soil borings SB-17 and SB-18. Furthermore, our review of MtBE data for monitoring wells B-11 and B-5 indicate that MtBE is currently present in well B-11 (38,000 µg/L) and in downgradient well B-5 (97 µg/L). The linear separation between B-11 and B-5 is

Ian Robb October 7, 2008 RO0000195 Page 2

approximately 20 feet, and it has yet to be determined what may be causing the decrease in concentration to occur between these two wells. Furthermore, given the decrease in concentration that is occurring between onsite wells B-11 and B-5 it is unlikely that MtBE would be detected in soil borings that are approximately 160 feet downgradient of the site.

- 2. Utility Corridor Evaluation. CRA proposed the installation of two soil borings to evaluate the utility corridor(s) adjacent to your site. However, these borings were not installed due to the proximity of high voltage underground lines. Instead of sampling the utility corridor, CRA collected a water sample from the utility vault. MtBE was not detected during water sampling in the utility vault, but because the utility vault sampling was conducted in December it is more likely that water in the utility vault is surface water runoff rather than groundwater, as CRA concludes. Although MtBE was not detected in the electrical utility vault it is possible that other utilities may be acting as a pathway for MtBE contamination migration. Therefore, we request that you evaluate the other utilities previously identified and present the results from your evaluation in the report requested below.
- 3. Site Conceptual Model. In October 2000, Delta submitted a site conceptual model that identified hydrocarbon volatilization into the vadoze zone as a potential human health risk. Subsequently, Delta proposed conducting a risk assessment to evaluate the potential human health risks associated with soil and groundwater contamination beneath your site. However, no discussion or recommendations regarding the evaluation of the potential risk associated with contamination in the vadoze zone or the vapor intrusion/migration pathway was presented. ACEH agrees that a risk assessment would be useful for the evaluation of potential human health risks. However, prior to performing the proposed risk assessment, ACEH requests that you prepare a work plan to evaluate the potential risk associated with soil vapor and the vapor intrusion pathway. Please submit the work plan according to the schedule outlined below. Once the investigation has been completed we request that you update your site conceptual model to reflect all activities completed after 2000.
- 4. Potential Upgradient MtBE Contamination Source. It appears that MtBE contamination from the BP service station located at 1716 Webster Street, Alameda (ACEH ID #RO0000192, Geotracker ID #T0600100307) may be impacting your site. Water quality data collected in 2001, from up gradient monitoring well B-6 detected high levels of MtBE at concentrations of up to 34,000 µg/L. In a directive letter dated July 22, 2005 ACEH requested that in order to confirm if MtBE contamination detected in upgradient well B-6 originated from the BP station additional soil borings must be installed. To date, we have not received confirmation that the soil borings have been installed. We request that you prepare a work plan that details your proposal to install soil borings between your site and the BP site to evaluate if contamination from an upgradient source is contributing to the MtBE plume beneath your site. Please submit the work plan according to the schedule below.
- 5. Interim Remedial Action. In correspondence dated July 22, 2005, ACEH requested that you propose interim remediation to remove MtBE contamination from beneath your site. As yet, we have not received any proposal for interim remediation of MtBE contamination. We request that you prepare an interim remedial action plan to address contamination in the area near well B-11. Please submit the interim remediation work plan according to the schedule below.

#### TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Mr. Steven Plunkett), according to the following schedule:

- January 21, 2009 Work Plan with Utility Corridor Evaluation
- March 1, 2009 Interim Remediation Work Plan

Ian Robb October 7, 2008 RO0000195 Page 3

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 rgmts.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

Ian Robb October 6, 2008 RO0000195 Page 4

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) 383-1761 or send me an electronic mail message at <u>steven.plunkett@acgov.org</u>.

Sincerely, 10

CC:

Steven Plunkett Hazardous Materials Specialist

N

Jerry Wickham, PG, CHg, CEG Senior Hazardous Materials Specialist

Laura Genin CRA 5900 Hollis Street, Suite A Emeryville, CA 94608

Donna Drogos, ACEH, Steven Plunkett ACEH, File

ATTACHMENT B

SUMMARY OF PREVIOUS ENVIRONMENTAL WORK

### SITE HISTORY

**1982 Monitoring Wells:** In January 1982, Kleinfelder & Associates installed onsite groundwater monitoring wells B-1 through B-6 to assess the extent of hydrocarbons resulting from a release of approximately 50 gallons of gasoline. No soil or groundwater samples were collected for laboratory analysis. However, groundwater samples were analyzed for volatile hydrocarbons using a combustible gas meter.

**1982 UST Replacement and Backfill Wells:** In early 1982, the gasoline underground storage tanks (USTs) were removed and replaced. A gauge stick hole was observed in the bottom of the Regular gasoline tank during removal. A new diesel UST and used-oil UST were installed in the same tank pit as the gasoline USTs. Backfill wells A-1 and A-2 were installed with the new tanks. Groundwater monitoring well B-2 was destroyed to accommodate the new tanks.

**1991 Diesel Spill:** On September 19, 1991 approximately 1,400 gallons of diesel were accidentally pumped into tank backfill well A-1 during UST testing activities. Approximately 1,600 gallons of non-aqueous phase liquids (NAPL) were removed from well A-1 immediately after the release. A NAPL recovery program removed an additional 346 gallons from September 1991 through July 1992. Laboratory analysis of the NAPL suggested that used oil must also have been inadvertently disposed of in well A-1. A groundwater sampling program was initiated in September 1991.

**1991-1994 NAPL Removal**: In September 1991, NAPL removal began from tank backfill wells A-1 and A-2. Between 1991 and 1994 approximately 2,000 gallons of NAPL were removed by bailing or absorbent pads.

**1993 Monitoring Wells:** In March 1993, Groundwater Technology, Inc. installed monitoring wells B-7 through B-9. One sample was collected from each well boring at 5 fbg. No hydrocarbons were detected in the soil samples. Groundwater monitoring indicated the presence of NAPL in wells A-1 and A-2 at thicknesses of 0.6 feet (ft) and 0.18 t, respectively.

**1994 Used-Oil UST and Product Piping Removal**: In April and May 1994 Touchstone Development removed one 1,000-gallon single-walled fiberglass used-oil UST, one 350-gallon steel used-oil UST, and associated product piping. Three soil samples collected from the 1,000-gallon UST excavation at 5.5 fbg contained hydrocarbon concentrations up to 77 milligrams per kilogram (mg/kg) total oil and grease (TOG), 410 mg/kg total petroleum hydrocarbons as diesel (TPHd), 440 mg/kg TPH as gasoline (TPHg), but no benzene. The groundwater sample (WO-H2O) collected from the excavation contained 8,000 µg/L TOG, 170,000 µg/L TPHd, 5,600 µg/L TPHg, and 300 µg/L benzene. The soil sample collected from the 350-gallon UST excavation at 8 fbg contained 580 mg/kg TOG, 580 mg/kg TPHd, 1,200 mg/kg TPHg, and 0.64 mg/kg benzene. Four soil samples collected from the piping trenches at 3.5 fbg contained hydrocarbon concentrations up to 4,900 mg/kg TPHg and 2.6 mg/kg benzene. Samples were not analyzed for TOG or TPHd. Approximately 1,500 gallons of water were pumped from the 1,000-gallon UST pit and disposed of offsite. A total of approximately 700 cubic yards of soil was excavated from the used-oil tank pits and from beneath the product lines. Monitoring wells A-2, B-3, and B-4 were destroyed during used oil-UST removal activities. The removals are detailed in Touchstone's July 21, 1994 *UST Removal, Product Line Replacement and Sampling Report*.

**1995 Monitoring Wells:** In October 1995, Gettler-Ryan Inc. (G-R) installed monitoring wells B-10 through B-13. With the exception of 1.1 mg/kg TPHd, no hydrocarbons were detected in soil from well boring B-13. Hydrocarbons were detected in soil from B-10 through B-12 at maximum concentration of 330 mg/kg TPHd, 1,900 mg/kg TPHg, 0.75 mg/kg benzene, and 17 mg/kg methyl tertiary butyl ether (MTBE). The installations are detailed in G-R's December 29, 1995 *Well Installation Report*.

**2000 Site Conceptual Model:** Delta Environmental Consultants (Delta) concluded in their October 24, 2000 Site Conceptual Model that hydrocarbon impacted soil appears to be present within the smear zone between 2 and 8 fbg. The dissolved hydrocarbon plume has been decreasing with the exception of upgradient well B-6. An upgradient source may be a potential secondary source of hydrocarbon impact beneath the southern portion of the Chevron site. Intrinsic bioremediation appears to be occurring in groundwater beneath the site, facilitating decreases in hydrocarbon concentrations and limiting hydrocarbon migration.

**2001 Soil Borings and Well Survey**: In May 2001, G-R attempted to advance soil borings SB-1 through SB-11 in the sidewalk and in Webster Street to delineate the extent of the plume to the north of the site and to evaluate if utility trenches in the site vicinity are acting as preferential pathways for hydrocarbon migration. Due to a concrete obstruction at 4 fbg, borings SB-5, SB-7, SB-9, SB-10, and SB-11, located in Webster Street, were not completed to groundwater. The lateral extent of this concrete beneath the street suggests that additional attempts to hand auger in the street are likely to encounter the concrete obstruction. Borings SB-1 and SB-2 were advanced onsite and borings SB-4, SB-6, and SB-8 were advanced in the sidewalk along the western side of the site. Soil samples collected from the borings contained up to 81 mg/kg TPHg, 0.023 mg/kg benzene, and 0.12 mg/kg MTBE. Maximum concentrations were detected

in boring SB-2 of 5,600  $\mu$ g/L TPHd, 910,000  $\mu$ g/L TPHg, and 530  $\mu$ g/L benzene. MTBE in groundwater was only detected in borings SB-6 and SB-8 at 3,600  $\mu$ g/L and 4,300  $\mu$ g/L, respectively. Three irrigation wells are located within a ½-mile radius of the site; two are located 1,400 feet west of the site and one is located 2,800 feet southwest of the site. The irrigation wells are located either crossgradient or downgradient of the site. The investigation is detailed in Delta's August 6, 2001 *Limited Subsurface Investigation Report*. **2002 Monitoring Wells:** In August 2002, Delta installed monitoring wells B-14 and B-15 to further delineate the dissolved hydrocarbon plume to the north and advanced soil boring SB-12 to confirm hydrocarbon concentrations previously detected in SB-2. No hydrocarbons, with the exception of MTBE, were detected in soil from the boring. MTBE was detected at 0.045 mg/kg in SB-12 and at a maximum of 0.22 mg/kg in B-14. No hydrocarbons were detected in groundwater from SB-12 and B-15. Only TPHd and MTBE were detected in B-14 at 930  $\mu$ g/L and 1,400  $\mu$ g/L, respectively. Details are presented in Delta's December 13, 2002 *Monitoring Well Installation Report*.

2005 Soil Borings: In December 2005, Cambria Environmental Technology, Inc. (Cambria), now Conestoga-Rovers & Associates, attempted to advance soil borings SB-13 through SB-18 to investigate the downgradient extent of the petroleum hydrocarbon and fuel oxygenate plume. Several high voltage electrical lines running beneath the sidewalk along the east side of Webster Street prevented installation of borings SB-13 and SB-14, originally proposed to investigate preferential pathways via utility conduits. As an alternative, a grab water sample was collected at approximately 3 fbg from the bottom of a nearby electrical utility vault. SB-15 and SB-16 were advanced on the northern edge of the Jack-In-The-Box property located adjacent to and north of the site. SB-17 and SB-18 were advanced on the western side of Webster Street in the sidewalk located northwest of the site. No hydrocarbons were detected in soil from the borings, with the exception of 6.3 mg/kg TPHg in SB-18. No benzene or MTBE were detected in soil or grab-groundwater collected from the borings. The maximum detection of TPHd was in SB-17 at 5,400  $\mu$ g/L The maximum detection of TPHg was in SB-17 at 1,400  $\mu$ g/L. The grab-groundwater sample collected from the utility vault contained only  $320 \,\mu g/L$  TPHd. The investigation is detailed in Cambria's April 17, 2007 Down-gradient Hydrocarbon Plume Investigation Report.

### ATTACHMENT C

### CHEVRON'S FOURTH QUARTER 2008 GROUNDWATER MONITORING AND SAMPLING REPORT



## TRANSMITTAL

December 17, 2008 G-R #385280

TO: Ms. Charlotte Evans **Conestoga-Rovers & Associates** 5900 Hollis Street, Suite A Emeryville, CA 94608 (VIA PDF)

FROM: Deanna L. Harding **Project Coordinator** Gettler-Ryan Inc. 6747 Sierra Court, Suite J Dublin, California 94568

WE HAVE EN	CLOSED THE FOLLOWING	
COPIES	DATED	DESCRIPTION
1	December 11, 2008	Groundwater Monitoring and Sampling Report Fourth Quarter Event of November 12, 2008

CC:

RE:

Mr. Aaron Costa

Room 3660

#9-0290

RO 0000195

(VIA PDF)

**Chevron Environmental** 

Management Company

6111 Bollinger Canyon Road,

San Ramon, California 94583

**Chevron Service Station** 

**1802 Webster Street** 

Alameda, California

#### COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced items for your use and distribution (including PDF submittal of the entire report to GeoTracker):

Mr. Steven Plunkett, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577 (Distributed by CRA via PDF)

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to December 30, 2008, at which time this final report will be distributed to the following:

Mr. Arnold Cherry, 10 Kelsey Court, Pleasant Hill, CA 94523 cc:

#### Enclosures

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7888 1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218



Aaron Costa Project Manager Marketing Business Unit Chevron Environmental Management Company 6111 Bollinger Canyon Road San Ramon, CA 94583 Tel (925) 543-2961 Fax (925) 543-2324 acosta@chevron.com

December 17, 2008

Alameda County Health Care Services 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Chevron Service Station No. <u>9-0290</u> Address <u>1802 Webster Street</u>

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan Inc., upon who assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Aaron Costa Project Manager

Attachment: Report

### WELL CONDITION STATUS SHEET

Client/Facility #:	Che	vron	<b>#9-0290</b>								Job #		385280	)		
Site Address:	1802	2 We	bster Stre	et							Event	Date:		2-08		
City:	Alar	neda	, CA								Sampl	er:	50			
WELL ID	Vault Cond	Frame lition	Gasket/ O-Ring (M)missing	(M) N	OLTS Missing eplaced	Bolt Flanges B= Broken S= Stripped R=Retap	Con C=C B=B	<b>RON</b> dition racked roken Gone	(Defi inche	<b>t Seal</b> cient) s from DC	Cas (Conc preven cap :	dition ts tight		REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
A-1	O.	IC	0.14	0	IC	(1) of 2	0	K	٥-	C	Ö.	K	N	N	12" Morrison/2	NO
B-1			11	N/	A	NIA									14" (no name)	1
B-5			O-ring (M)	0.	K	0.1C									8" Boart. Longy. /3	
B-6			O-ring (M)			11									8" Bozit-long. /3	
B-7			O·K			Both				• •					12" Morrison/2	
B-10			Orring (M)			All (3)									8" Boart - Long. /3	
B-11			DIC			OK					<u> </u>				6" Morrison/2	
B-12			ŬI			Both									11	
8-13			O-ring (M)			All (3) S		-							8" Bozit-Longy. /3	
B-14	_		0.12			0.16		,							6" Morrisson /2	
B-15			11	N	1	11	V		V		V	/	$\overline{\mathbf{v}}$	V	11	
			·										· · · · · · · ·			V
Comments																



December 11, 2008 G-R Job #385280

Mr. Aaron Costa Chevron Environmental Management Company 6111 Bollinger Canyon Road, Room 3660 San Ramon, CA 94583

RE: Fourth Quarter Event of November 12, 2008 Groundwater Monitoring & Sampling Report Chevron Service Station #9-0290 1802 Webster Street Alameda, California

Dear Mr. Costa:

This report documents and the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached). Joint groundwater monitoring and sampling is performed with BP Station located at 1716 Webster Street, during the first and third quarters. Joint monitoring data is not reported.

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

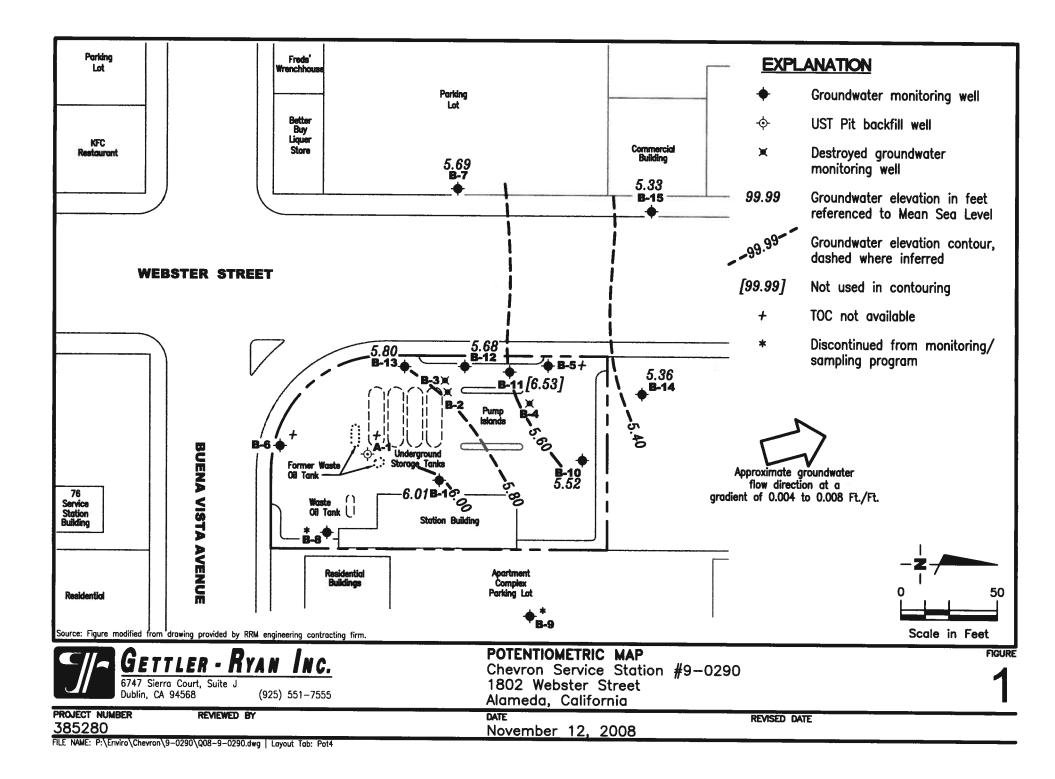
Sincerely, Harding Deanna L. Harding **Project Coordinator** 

Douglas J/Lee Senior Geologist, P.G. No. 6882

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, PR	No. 6882
6	THE OF CALIFORNIE
ing Data and	Analytical Deculta

Figure 1:	Potentiometric Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results
Attachments:	Standard Operating Procedure - Groundwater Sampling Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7888 3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317 1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218



# Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

www.haltaturi.etc	m^^*	<b></b>	ا ب سمبو ہو		SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	<b>T</b>	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-1													
09/20/91	8.13	0.48	9.23	1.58									
10/09/91	8.13	1.46	6.67	0.00				1. <del></del> . ?				() <del></del>	
10/17/91	8.13	1.43	7.28	0.58		3 <del>4.</del>		3 <b></b> 16					
10/23/91	8.13	1.36	7.42	0.65			1		(				
11/01/91	8.13	1.49	7.14	0.50								1 <del></del> 1	
11/07/91	8.13	1.50	7.14	0.51	2. <del></del> .	(1 <del>777</del> 1)			2 <b></b> .				
11/15/91	8.13	1.47	7.19	0.53			:	3 <b></b> 12					
11/21/91	8.13	1.28	7.28	0.54	5 <b></b> 5			( <del>44</del> )					
12/12/91	8.13	1.29	7.33	0.49					00				
12/30/91	8.13	1.73	6.76	0.36									
01/13/92	8.13	2.21	6.29	0.37								100000	1955110
01/22/92	8.13	2.15	6.43	0.45		- <u></u>							
02/12/92	8.13	2.21	6.30	0.38									
03/09/92	8.13	3.14	5.30	0.31									
04/10/92	8.13	2.83	5.37	0.07			10.000	1.11					
05/18/92	8.13	2.39	6.14	0.40	200								
01/06/93	8.13												
02/03/93	8.13								-				
04/23/93	11.56	6.19	5.85	0.60				1000				0. <del>0.0</del> 0.0	5.5
06/11/93	11.56				2.00		_				<del></del> )	1 <del></del> (	
06/15/93	11.56		<u>445-</u> 1		0.13								
06/18/93	11.56				0.13				1 <b></b> 1				
06/22/93	11.56				0.50								
06/29/93	11.56			10.000	0.50 				(1 <b>77</b> 7)	<del></del> .			
07/09/93	11.56						1000						
07/15/93	11.56	10 <b>00</b> 0											
07/19/93	11.56	5.54	6.23	0.26	2.00								
07/20/93	11.56					(20)							
07/27/93	11.56				( <del></del> -)		100	0.000				200	
08/06/93	11.56			1995).	( <del>1</del> ):								
08/10/93	11.56		<del></del> )										
08/16/93	11.56								0.000	0.00			
09/16/93		17 <b>414</b> 13 2011-10	1 <b>22</b>							0	- 19 <del>99</del> -		22)
09/16/93 09/24/93	11.56											-	
09/24/93 10/01/93	11.56		(1 <del>135</del> )							( <del></del> -	10000	3000	
10/01/93	11.56			-			-				2 <del></del>		

#### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290

1802 Webster Street

	Alameda, California SPH												
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-1 (cont)		Alternation and Manager										(45/4)	(#5/14)
10/07/93	11.56												1700.5
10/13/93	11.56		<u></u>										
10/19/93	11.56		-	0.10									
10/20/93	11.56									<u></u>		-	
10/28/93	11.56				2 <b></b> -2								
11/12/93	11.56								2 <b></b> 2				
11/19/93	11.56												
11/30/93	11.56												
12/10/93	11.56		<del></del>		1 <u>22</u> 3		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	-					
12/16/93	11.56												
12/23/93	11.56										14121		
12/29/93	11.56	0.000			(								
01/03/94	11.56	() <b></b> ()			2000/04/14	-							
01/17/94	11.56											100	
01/26/94	11.56	3-1 <b>-1</b> -1	<del></del> .						7 <u></u> 7				
02/07/94	11.56												
02/11/94	11.56												
02/18/94	11.56												
02/25/94	11.56		() ()					-2					
03/04/94	11.56												
03/11/94	11.56			22	1760 H			- Cani					
03/16/94	11.56												
03/25/94	11.56												
04/01/94	11.56	2 <b></b> 2						<u>-</u>					
08/18/94	11.56	8 <b>22</b> 9	1									(22)	
11/30/94	11.56				2.00				5 <u></u>				
02/15/95	11.56		4.79								2795.) 1 <del></del> -		
05/01/95	11.56												
08/04/95	11.56												
11/29/95	11.56	5.24	6.38	0.08	0.03		(					250 21_	
02/08/96	11.56	7.03	4.57	0.05						-			
05/08/96	11.56	6.29	5.49	0.28									
08/23/96	11.56	5.31	6.43	0.22		-							3385B
12/12/96	11.56	6.37	5.53	0.42	0.05								
02/10/97	11.56	7.25	4.45	0.17	0.08								3. <del></del> 1

1802 Webster Street

					SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	X	мтве	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-1 (cont)													
05/01/97	11.56	6.11	5.51	0.08	0.05	122	22						
08/05/97	11.56	5.68	5.96	0.10	0.07								
10/28/97	11.56	5.56	6.05	0.06	0.03								
02/04/98	11.56	8.39	3.20	0.04	0.03			2.22					00.00
06/03/98	11.56	7.02	4.56	0.03	0.02								
07/29/98	11.56	7.15	4.44	0.04	0.04								
11/30/98	11.56	6.23	5.61	0.35	0.01		-			<u></u>			<del>tin</del> t.
02/24/99	11.56	7.63	4.41	0.60	0.07						1994-91	200	
05/06/99	11.56	6.89	4.67			9,500 <sup>3</sup>	580	13.4	<2.0	4.68			
08/30/99	11.56	5.52	6.04			$22,000^3$	615	13.4	3.45		58	165	
11/17/99	11.56	5.70	5.89	0.04	0.08					3.8	44	95.5	
02/21/00	11.56	7.39	4.23	0.04	0.01					( <del></del>	( <b></b> )		
05/08/00	11.56	6.55**	5.10	0.11			ED DUE TO T				3 <del></del> .		
08/08/00	11.56	6.13**	5.53	0.13			ED DUE TO T			3 <del></del> 1			
11/01/00	11.56	5.99**	5.67	0.13									<del></del>
02/12/01	11.56	6.85	4.71	0.13	0.20 r 0.00	15,000 <sup>12</sup>	ED DUE TO T				1.000		
05/14/0117	11.56	6.26	5.30	0.00			290 <sup>10</sup>	5.1	<2.0	<2.0	17	640	
08/13/01	11.56	5.69**	5.89	0.00	0.00	3,100 <sup>12</sup>	190 <sup>10</sup>	4.8	1.2	0.92	22	100	
11/12/01	11.56	5.84**	5.78	0.03			ED DUE TO T						
02/04/02	11.56	6.77	4.79	0.08			ED DUE TO T						
05/06/02	11.56	6.56			0.00	23,000	380	3.3	1.4	0.69	14	1,800	13 <b>44</b>
08/29/02			5.00	0.00	0.00	12,000	280	2.7	1.9	1.1	20	130	
11/25/02	11.56	5.86	5.70	0.00	0.00	13,000	380	4.1	3.3	2.1	31	42	
02/05/03	11.56	5.74	5.82	0.00	0.00	19,000	290	3.0	1.3	0.81	12	340	1
	11.56	6.75	4.81	0.00	0.00	12,000	290	3.1	1.1	<0.50	5.2	2,40022	
05/15/03	11.56	6.71	4.85	0.00	0.00	8,400	330	4.3	1.8	1	16	190	
08/14/03 <sup>24</sup>	11.56	5.85	5.71	0.00	0.00	9,100 <sup>23</sup>	450	8	3	2	26	270	
11/13/03 <sup>24</sup>	11.56	5.65	5.91	0.00	0.00	13,000	310	4	0.6	0.6	7	150	
02/12/04 <sup>24</sup>	25	25	4.31	0.00	0.00	14,000	120	<0.5	<0.5	<0.5	3	84	
05/13/04 <sup>24</sup>	<sup>25</sup>	<sup>25</sup>	4.53	0.00	0.00	3,900 <sup>23</sup>	310	3	1	0.9	13	9	3. <del>55</del> .2
08/12/04 <sup>24</sup>	25	<sup>25</sup>	5.13	0.00	0.00	4,600	240	1	<0.5	<0.5	5	16	
11/11/04 <sup>24</sup>	25	25	5.67	0.00	0.00	9,500	<50	<0.5	<0.5	<0.5	<0.5	41	
02/10/0524	25	25	4.38	0.00	0.00	9,900	160	<0.5	<0.5	<0.5	1	43	
05/12/0524	25	25	4.19	0.00	0.00	3,100 <sup>26</sup>	180	0.7	0.5	<0.5	5	4	
08/11/0524	<sup>25</sup>	25	4.99	0.00	0.00	3,900 <sup>27</sup>	250	0.7	0.6	0.5	5	3	-
11/10/05 <sup>24</sup>	25	25	4.95	0.00	0.00	2,700 <sup>27</sup>	160	<0.5	<0.5	<0.5	2	37	

1802 Webster Street

					SPH		· · · · · · · · · · · · · · · · · · ·						
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	Т	E	x	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
4-1 (cont)												1753 IST - 1151 <b>1</b> 55 956	
)2/09/06 <sup>24</sup>	25	25	4.02	0.00	0.00	4,700 <sup>27</sup>	83	<0.5	<0.5	<0.5	<0.5	28	
05/11/06 <sup>24</sup>	25	25	4.06	0.00	0.00	4,000	71	<0.5	<0.5	<0.5	3	<0.5	
08/10/06 <sup>24</sup>	25	25	5.05	0.00	0.00	4,500	180	0.8	0.7	0.6	6	1	
11/09/06 <sup>24</sup>	<sup>25</sup>	25	5.38	0.00	0.00	3,300	160	<0.5	<0.5	<0.5	2	18	
02/08/07 <sup>24</sup>	25	25	5.02	0.00	0.00	5,300	65	<0.5	<0.5	<0.5	<0.5	17	
05/10/07 <sup>24</sup>	25	<u> </u>	4.76	0.00	0.00	2,600	110	0.7	<0.5	<0.5	3	2	
08/08/0724	<sup>25</sup>	25	5.45	0.00	0.00	2,100	160	<0.5	<0.5	<0.5	5	7	
11/07/07 <sup>24</sup>	- 25	25	5.60	0.00	0.00	6,900	78	<0.5	<0.5	<0.5	0.7	22	()
02/13/08 <sup>24</sup>	25	25	4.12	0.00	0.00	7,800	70	<0.5	<0.5	<0.5	<0.5	15	
05/14/08 <sup>24</sup>	<sup>25</sup>	25	4.98	0.00	0.00	5,200	1,500	<0.5	<0.5	<0.5	3	2	
08/13/08 <sup>24</sup>	25	25	5.33	0.00	0.00	5,400	88	<0.5	<0.5	<0.5	7	4	
11/12/08 <sup>24</sup>	25	25	5.25	0.00	0.00	32,000	84	<0.5	<0.5	<0.5	0.8	10	
B-1													
04/23/93	12.12	6.19	5.93	1. <u>212</u> -1		8,300	13,000	4,900	22	250	47		
)7/19/93	12.12	5.46	6.66			1,600	3,300	1,200	16	24	<30	4 ( sec. 1 * )	
10/19/93	12.12	5.04	7.08			550	2,300	730	18	14	31		
01/17/94	12.12	5.39	6.73			<50	22,000	6,500	170	210	430		
08/18/94	12.12	5.27	6.85										
11/30/94	12.12	6.11	6.01			3,200 <sup>1</sup>	1,500	250	17	7.5	19		<5.0 <sup>2</sup>
02/15/95	12.12	6.75	5.37			1,300 <sup>1</sup>	1,000	160	<2.0	4.6	2.6		
05/01/95	12.12	7.00	5.12			$2,600^3$	140	20	0.52	2.0	0.67		
08/04/95	12.12	6.62	5.50			4,900 <sup>3</sup>	6,700	1,400	<20	<20	<20		
1/29/95	12.12	6.27	5.85			$5,000^3$	9,200	2,200	<25	<25	25	8,300	
02/08/96	12.12	8.12	4.00			1,300 <sup>3</sup>	1,500	190	<5.0	<5.0	<5.0	2,300	
)5/08/96	12.12	7.32	4.80			2,900 <sup>3</sup>	3,700	650	<10	24	16	2,300	
)8/23/96	12.12	6.58	5.54			2600	3,200	500	<20	<20	<20	4,900	
2/12/96	12.12	7.22	4.90			3,400 <sup>4</sup>	2,500	380	<25	<25	25	8,600	
2/10/97	12.12	7.53	4.59	3		$2,100^3$	2,200	270	11	8.8	13	3,400	
)5/01/97	12.12	6.46	5.66			1,300 <sup>3</sup>	1,200	70	5.8	<5.0	7.2	2,000	
8/05/97	12.12	5.68	6.44		<del></del> )	$1,500^{3}$	<1,000	86	<10	<10	<10	3,800	
0/28/97	12.12	5.69	6.43			$2,000^{3}$	1,400	73	6.5	6.8	9.0	2,900	
2/04/98	12.12	9.11	3.01			1,200 <sup>3</sup>	1,500	4.5	1.7	<0.5	2.2	1,900	(
)2/12/98	12.12	8.33	3.79										

1802 Webster Street

					SPH	<i>r</i> udine	ua, Camornia	•					•••••••••••••••
WELL ID/	тос*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	x	MTBE	TOG
DATE	(ft,)	(msl)	(ft.)	(fl.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)
B-1 (cont)											178' +1	(P6/24)	<b>45</b> (4)
06/03/98	12.12	7.23	4.89			970 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	1,400	
07/29/98	12.12	6.37	5.75		(	$1,100^3$	850	27	<0.5	4.0	2.9		
11/30/98	12.12	6.44	5.68			1,490	543	<5.0	<5.0	<5.0	<5.0	770/1,200 <sup>6</sup>	
02/24/99	12.12	7.83	4.29			1,400 <sup>3</sup>	390	1.6	0.57	2.8	2.5	2,220 2,600	100
05/06/99	12.12	7.11	5.01		9 <b></b> 9	340 <sup>3</sup>	239	4.02	<0.5	3.87	1.97	2,600 197	
08/30/99	12.12	5.91	6.21			1,570 <sup>7</sup>	739	22.4	3.45	5.62	3.27	1,110	
11/17/99	12.12	5.98	6.14		55 <b></b> 13	1,730	907	66.4	3.82	4.39	4.75		
02/21/00	12.12	7.53	4.59		3. <del></del> -0	1,000 <sup>3</sup>	679	10.5	<1.0	3.84	3.21	2,480	0.00
05/08/00	12.12	6.66	5.46	0.00	0.00	870 <sup>11</sup>	1,0008	<5.0	<5.0	<5.0	<5.0	2,330 660	
08/08/00	12.12	6.22	5.90	0.00	0.00	520 <sup>11</sup>	<500	29	<5.0	<5.0	<5.0 <5.0		
11/01/00	12.12	7.14	4.98	0.00	0.00	570 <sup>14</sup>	860 <sup>10</sup>	41	<5.0	8.3	<3.0 13	1,900	
02/12/01	12.12	6.71	5.41	0.00	0.00	940 <sup>14</sup>	790 <sup>15</sup>	36	<5.0	8.3 <5.0	13	2,500	
05/14/01	12.12	6.38	5.74	0.00	0.00	690 <sup>11</sup>	<1,000	<10	<10	<10	<10	1,200 540	
11/12/01	12.12	5.59	6.53	0.00	0.00	2,300	1,100	12	2.5	3.4	8.8		
02/04/02	12.12	6.92	5.20	0.00	0.00	1,800	850	7.5	0.66	5.3	0.0 <5.0	1,100	
05/06/02	12.12	6.67	5.45	0.00	0.00	440	350	<0.50	<0.50	5.5 1.7		220	
08/29/02	12.12	5.94	6.18	0.00	0.00	3,000	770	7.3	1.1	1.7	<1.5 3.1	83	
11/25/02	12.12	5.87	6.25	0.00	0.00	3,400	510	7.7	<1.0	1.5	3.1	330	
02/05/03	12.12	6.87	5.25	0.00	0.00	1,400	560	4.8	0.55	2.4	3.0 1.9	540	
05/15/03	12.12	6.86	5.26	0.00	0.00	1,400	370	2.4	<0.5	2.4 1.9		200	
08/14/0324	12.12	5.92	6.20	0.00	0.00	1,300 <sup>23</sup>	650	4	0.9	0.7	2.0	130	
11/13/03 <sup>24</sup>	12.12	5.73	6.39	0.00	0.00	720	210	0.7	<0.5	<0.5	2	210	
02/12/04 <sup>24</sup>	12.12	6.95	5.17	0.00	0.00	1,200	<50	<0.5	<0.5 <0.5		0.9	200	
05/13/0424	12.12	6.86	5.26	0.00	0.00	63 <sup>23</sup>	<50	<0.5	<0.5	<0.5 <0.5	<0.5	53	
08/12/04 <sup>24</sup>	12.12	6.11	6.01	0.00	0.00	280	<50	<0.5	<0.5	<0.5 <0.5	<0.5	10	
11/11/04 <sup>24</sup>	12.12	5.64	6.48	0.00	0.00	280	<50	<0.5	<0.5	<0.5	<0.5	26	
02/10/0524	12.12	6.71	5.41	0.00	0.00	420	<50	<0.5 <0.5	<0.5		<0.5	23	
05/12/0524	12.12	7.14	4.98	0.00	0.00	200	<50	<0.5	<0.5	<0.5	<0.5	41	
08/11/05 <sup>24</sup>	12.12	6.34	5.78	0.00	0.00	260 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	9	
11/10/05 <sup>24</sup>	12.12	6.38	5.74	0.00	0.00	130 <sup>27</sup>	<50	<0.5	<0.5 <0.5	<0.5	<0.5	17	(7 <del>.</del> 7)
02/09/0624	12.12	7.26	4.86	0.00	0.00	380 <sup>31</sup>	<50	<0.5 <0.5		<0.5	<0.5	56	
05/11/0624	12.12	7.20	4.92	0.00	0.00	580	<50 <50	<0.5 <0.5	<0.5	<0.5	<0.5	25	
08/10/06 <sup>24</sup>	12.12	6.32	5.80	0.00	0.00	550	<50	<0.5 <0.5	<0.5	<0.5	<0.5	10	
11/09/06 <sup>24</sup>	12.12	5.97	6.15	0.00	0.00	300	<50 <50	<0.5 <0.5	<0.5	<0.5	<0.5	8	0.00
02/08/07 <sup>24</sup>	12.12	6.32	5.80	0.00	0.00	240	<50 <50		<0.5	<0.5	<0.5	7	
		0.52	5.00	0.00	0.00	240	~50	<0.5	<0.5	<0.5	<0.5	5	

1802 Webster Street

DATE	TUU"	SPH WELL ID/ TOC* GWE DTW SPHT REMOVED TPH-D TPH-G B T F X MTRE												
	(ft.)	(msl)	DFW (ft.)		REMOVED	TPH-D	TPH-G	B	T	E	X	MTBE	TOG	
D 1 (	(14)	(HISH)	()4)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
<b>B-1 (cont)</b> 05/10/07 <sup>24</sup>	10.10					10.000	1200							
	12.12	6.62	5.50	0.00	0.00	140	<50	<0.5	<0.5	<0.5	<0.5	4		
08/08/07 <sup>24</sup>	12.12	5.94	6.18	0.00	0.00	170	<50	<0.5	<0.5	<0.5	<0.5	6	(5 <b>414</b> )	
11/07/07 <sup>24</sup>	12.12	5.81	6.31	0.00	0.00	250	<50	<0.5	<0.5	<0.5	<0.5	7	-	
02/13/08 <sup>24</sup>	12.12	7.18	4.94	0.00	0.00	570	<50	<0.5	<0.5	<0.5	<0.5	47	1.000	
05/14/08 <sup>24</sup>	12.12	6.27	5.85	0.00	0.00	200	<50	<0.5	<0.5	<0.5	<0.5	1		
08/13/08 <sup>24</sup>	12.12	5.92	6.20	0.00	0.00	180	<50	<0.5	<0.5	<0.5	<0.5	5	-	
11/12/08 <sup>24</sup>	12.12	6.01	6.11	0.00	0.00	200	<50	<0.5	<0.5	<0.5	<0.5	4	2. <del>20</del> .	
B-5														
09/20/91	7.73	2.20	5.53			<50	<50	<0.5	<0.5	<0.5	<0.5			
10/09/91	7.73	2.42	5.31								-0.5		2. <del>7.5</del> .6	
10/17/91	7.73	2.09	5.64		-22									
10/23/91	7.73	2.05	5.68											
11/01/91	7.73	2.24	5.49								(22)			
11/07/91	7.73	2.19	5.54										8.000	
11/15/91	7.73	2.10	5.63											
11/21/91	7.73													
12/12/91	7.73	2.05	5.68											
12/30/91	7.73	2.54	5.19			550				-			a <del>tea</del> lis	
01/13/92	7.73	3.07	4.65											
01/22/92	7.73	3.03	4.70											
02/12/92	7.73	3.38	4.45			<50	<50	< 0.5	<0.5	<0.5	< 0.5			
03/09/92	7.73	3.68	4.05	19 <b>44</b> 6				-0.5		-0.5				
04/10/92	7.73	3.30	4.43											
05/18/92	7.73	3.94	3.79				390	39	1.9	11	24			
01/06/93	7.73	3.39	4.44	Sheen		<50	<50	<0.5	<0.5	<0.5	<0.5		<5,000	
02/03/93	7.73									-0.5				
04/23/93	10.18	5.86	4.32			<50	<50	<0.5	<0.5	<0.5	<1.5			
07/19/93	10.18	5.15	5.03			<50	54	<0.5	0.7	<0.5	<1.5			
10/19/93	10.18	5.08	5.10			<50	<50	2.0	4.1	0.5	3.5			
01/07/94	10.18	5.32	4.86			<50	<50	<0.5	<0.5	<0.5	3.5 <0.5			
08/18/94	10.18	5.04	5.14			<50	< <b>5</b> 0	<0.5	<0.5	<0.5	<0.5 <0.5	( <b></b> )		
11/30/94	10.18	5.73	4.45			140 <sup>1</sup>	<50 <50	<0.5 <0.5	<0.5	<0.5				
02/15/95	10.18	6.03	4.15			140 170 <sup>1</sup>	<50	<0.5 <0.5	<0.5	<0.3 <0.5	<0.5 <0.5			

1802 Webster Street

					SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	Т	E	x	MTBE	TOG
DATE	(ft,)	(msl)	(fi.)	(f1.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-5 (cont)											<b></b>	V 8 7	
05/01/95	10.18	5.75	4.43		: <del>***</del> *)	190 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
08/04/95	10.18	5.22	4.96			250 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
11/29/95	10.18	4.97	5.21			330 <sup>3</sup>	140	1.5	<0.5	1.1	<0.5	800	
02/08/96	10.18	6.38	3.80			250 <sup>3</sup>	<200	2.1	<2.0	<2.0	<2.0	1,100	
05/08/96	10.18	5.78	4.40			350 <sup>3</sup>	<500	<5.0	<5.0	<5.0	<5.0	1,400	
08/23/96	10.18	5.19	4.99			990	250	6.4	2.1	2.1	4.3	9,300	
12/12/96	10.18	5.90	4.28			$430^{3}$	<1,000	<10	<10	<10	<10	6,700	
02/10/97	10.18	6.55	3.63		3 <u>111</u>	340 <sup>3</sup>	<500	<5.0	<5.0	<5.0	<5.0	930	
05/01/97	10.18	5.87	4.31			$290^{3}$	<500	<5.0	<5.0	<5.0	<5.0	1,900	
08/05/97	10.18	5.29	4.89		1000	710 <sup>3</sup>	<1,000	<10	<10	<10	<10	6,800	
10/28/97	10.18	5.18	5.00			880 <sup>3</sup>	<500	<5.0	<5.0	<5.0	<5.0	7,000	
02/04/98	10.18	7.65	2.53			$290^{3}$	<50	0.51	<0.5	<0.5	<0.5	2,100	
06/03/98	10.18	6.33	3.85	<del></del>		630 <sup>3</sup>	220	2.0	15	2.8	20	450	
07/29/98	10.18	5.63	4.55			$1,100^{3}$	<50	1.6	<0.5	<0.5	1.6	4,600/6,200 <sup>6</sup>	
11/30/98	10.18	5.81	4.37			371	<50	<0.5	1.91	<0.5	1.09	202	
02/24/99	10.18	6.79	3.39			512 <sup>3</sup>	<50	<0.5	<0.5	0.69	3.1	25	
05/06/99	10.18	6.16	4.02			790 <sup>3</sup>	<50	2.27	<0.5	<0.5	<0.5	3,090	
08/30/99	10.18	5.02	5.16			1,8907	<250	4.25	<2.5	<2.5	<2.5	10,400	
11/17/99	10.18	5.28	4.90			1,180 <sup>3</sup>	101	4.95	<0.5	<0.5	<0.5	8,510	
02/21/00	10.18	6.67	3.51			$240^{3}$	<100	<1.0	<1.0	<1.0	<1.0	555	
05/08/00	10.18	5.88	4.30	0.00	0.00	1,20012	<50	<0.50	<0.50	<0.50	1.4	270	
08/08/00	10.18	5.55	4.63	0.00	0.00	350 <sup>11</sup>	<1,000	<10	<10	<10	<10	8,600	
11/01/00	10.18	5.53	4.65	0.00	0.00	470 <sup>14</sup>	<500	<5.0	<5.0	<5.0	11	4,600	
02/12/01	10.18	6.13	4.05	0.00	0.00	190 <sup>12</sup>	<50	<0.50	< 0.50	<0.50	1.3	420	
05/14/01	10.18	5.59	4.59	0.00	0.00	<1,000	<500	<5.0	<5.0	<5.0	<5.0	6,800	
08/13/01	10.18	5.14	5.04	0.00	0.00	2,800	<50	<0.50	<0.50	<0.50	< 0.50	11,000	
11/12/01	10.18	5.88	4.30	0.00	0.00	2,400	100	1.0	<0.50	<0.50	<1.5	2,300	
02/04/02	10.18	6.03	4.15	0.00	0.00	1,800	99	<0.50	0.63	2.2	14	3,200	
05/06/02	10.18	5.86	4.32	0.00	0.00	1,700	<50	<0.50	<0.50	<0.50	<1.5	830	
08/29/02	10.18	5.20	4.98	0.00	0.00	12,000	<250	5.2	<1.0	<1.0	<3.0	18,000	
11/25/02	10.18	5.26	4.92	0.00	0.00	5,100	100	1.2	<0.50	<0.50	<1.5	4,300	- <b></b> -
02/05/03	10.18	5.98	4.20	0.00	0.00	1,900	<50	<0.50	<0.50	<0.50	<1.5	4,100	
05/15/03	10.18	5.95	4.23	0.00	0.00	2,600	53	0.8	0.7	<0.5	1.6	5,400	(1997) (1997)
08/14/03 <sup>24</sup>	10.18	5.17	5.01	0.00	0.00	10,000 <sup>23</sup>	320	<10	<10	<10	<10	15,000	
11/13/03 <sup>24</sup>	25	25	5.05	0.00	0.00	15,000	220	<3	<3	<3	<3	4,700	1440

1802 Webster Street

SPH													
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	E	X	мтве	TOG
DATE	(ft.)	(msl)	(ft.)	(fi.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-5 (cont)													
02/12/04 <sup>24</sup>	25	25	4.19	0.00	0.00	4,900	120	<5	<5	<5	<5	5,200	
05/13/0424	25	25	4.55	0.00	0.00	3,400 <sup>23</sup>	94	<1	<1	<1	<1	2,000	
08/12/04 <sup>24</sup>	25	25	4.84	0.00	0.00	4,800	150	<0.5	<0.5	<0.5	<0.5	300	
11/11/0424	25	25	5.35	0.00	0.00	12,000	150	<0.5	<0.5	<0.5	<0.5	57	
02/10/05 <sup>24</sup>	25	25	4.04	0.00	0.00	3,500	70	<0.5	<0.5	<0.5	<0.5	44	
05/12/0524	-25	25	4.11	0.00	0.00	2,900 <sup>26</sup>	69	<0.5	<0.5	<0.5	<0.5	39	
08/11/0524	25	25	4.62	0.00	0.00	13,000 <sup>28</sup>	140	<0.5	<0.5	<0.5	<0.5	83	
11/10/0524	25	25	4.71	0.00	0.00	9,500 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	16	
02/09/0624	25	25	3.90	0.00	0.00	1,400 <sup>27</sup>	61	<0.5	<0.5	<0.5	<0.5	27	
05/11/06 <sup>24</sup>	25	25	3.93	0.00	0.00	1,200	<50	<0.5	<0.5	<0.5	<0.5	1	
08/10/06 <sup>24</sup>	25	25	4.70	0.00	0.00	9,000	73	<0.5	<0.5	0.5	1	18	
11/09/0624	25	25	4.83	0.00	0.00	9,200	50	<0.5	<0.5	0.5	<0.5	29	
02/08/07 <sup>24</sup>	25	25	4.58	0.00	0.00	6,600	56	<0.5	<0.5	<0.5	<0.5	650	
05/10/07 <sup>24</sup>	25	25	4.47	0.00	0.00	4,500	82	<0.5	<0.5	<0.5	<0.5	52	
08/08/0724	25	25	4.93	0.00	0.00	13,000	54	<0.5	<0.5	<0.5	<0.5	32	
11/07/0724	25	25	5.04	0.00	0.00	5,300	<50	<0.5	<0.5	<0.5	<0.5	32 9	
02/13/0824	25	25	4.43	0.00	0.00	2,700	<50	<0.5	<0.5	<0.5	<0.5	8	
05/14/0824	25	25	4.97	0.00	0.00	4,600	<50	<0.5	<0.5	<0.5	<0.5	97	
08/13/08 <sup>24</sup>	25	25	4.89	0.00	0.00	3,900	<50	<0.5	<0.5	<0.5	<0.5	22	
11/12/08 <sup>24</sup>	_25	25	4.78	0.00	0.00	3,300	<50	<0.5	<0.5	<0.5	<0.5	5	-
<b>.</b> .													
<b>B-6</b>	0.55	1											
09/20/91	8.55	1.70	6.85			<50	<50	<0.5	<0.5	<0.5	<0.5		
10/09/91	8.55	1.72	6.83		1								
10/17/91	8.55	1.65	6.90		1.000								
10/23/91	8.55	1.62	6.93		1 <del></del>								
11/01/91	8.55	1.77	6.78								0		
11/07/91	8.55	1.74	6.81										
11/15/91	8.55	1.67	6.88		1.77								
11/21/91	8.55	1.60	6.95							1			
12/12/91	8.55	1.41	7.14							2 <b>75</b>	4. <del></del> )		
12/30/91	8.55	2.05	6.50										
01/13/92	8.55	2.36	6.19		<del></del>								
01/22/92	8.55	2.28	6.27										

1802 Webster Street

WELL ID/	T00+	<b>C131/15</b>	The Pathod at 7	Cishter-	SPH								
	TOC*	GWE	ĐTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(fl.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-6 (cont)													
02/12/92	8.55	2.43	6.12			<50	<50	<0.5	<0.5	<0.5	<0.5		
03/09/92	8.55	3.27	5.28	-				(1977)		· :		( <u>22</u>	
04/10/92	8.55	3.07	5.48						1		11220		
05/18/92	8.55	2.65	5.90			<50	<50	<0.5	<0.5	<0.5	< 0.5		<5,000
01/06/93	8.55	2.76	5.79			<50	<50	<0.5	<0.5	<0.5	<0.5		
02/03/93	8.55		8 <u>22</u> 8										
04/23/93	11.97	6.70	5.27	<b>11</b>		<50	<50	<0.5	<0.5	<0.5	<1.5		
07/19/93	11.97	5.06	6.91			<50	74	<0.5	<0.5	<0.5	<1.5		
10/19/93	11.97	5.49	6.48			<50	<50	<0.5	0.5	<0.5	2.2		
01/07/94	11.97	5.79	6.18	<del></del>		<50	<50	<0.5	<0.5	<0.5	<0.5		
08/18/94	11.97	5.77	6.20			<50	<50	<0.5	<0.5	<0.5	<0.5		
11/30/94	11.97	6.52	5.45			230 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5		
02/15/95	11.97	7.27	4.70			130 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5		1.720
05/01/95	11.97	6.94	5.03	8 <b>25</b> 0		97 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
08/04/95	11.97	6.15	5.82	(3 <b>99</b> 0)		350 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
11/29/95	11.97	5.97	6.00	53 <b>44</b> 0		$200^{3}$							
02/08/96	11.97	7.27	4.70			210 <sup>3</sup>							
05/08/96	11.97	6.74	5.23	3. <del></del> (		250 <sup>3</sup>				11 <b></b> 11			
08/23/96	11.97	5.92	6.05			310 <sup>3</sup>							
12/12/96	11.97	6.65	5.32	7. <u>41</u> 7)		300 <sup>3</sup>				12			
02/10/97	11.97	7.60	4.37			130 <sup>3</sup>				1 <u>2-</u> 2		360	
05/01/97	11.97	6.74	5.23			260 <sup>3</sup>						2,200	
08/05/97	11.97	6.22	5.75			260 <sup>3</sup>						1,800	8.000
10/28/97	11.97	5.89	6.08			340 <sup>3</sup>	22)					1,800	
02/04/98	11.97	9.26	2.71			280 <sup>3</sup>						1,400	2005 -
06/03/98	11.97	7.49	4.48			$130^{3}$						1,400	
07/29/98	11.97	6.69	5.28			340 <sup>3</sup>			-		8 <b>53</b> 670 6 <b></b> -3		9 <b>44</b> 9
1/30/98	11.97	6.48	5.49			2,740	655	<5.0	<5.0	<5.0	<5.0	2,700/3,000 <sup>6</sup> 2,160	
)2/24/99	11.97	7.79	4.18			225 <sup>3</sup>			-5.0	-5.0		Constant Children and	
)5/06/99	11.97	6.29	5.68			71 <sup>3</sup>						1,500	
08/30/99	11.97	6.06	5.91	1		356 <sup>3</sup>					1 <b>77</b> 4	1,010	3 <b></b> 8
1/17/99	11.97	6.01	5.96			1,960 <sup>3</sup>					( <del></del> )	4,520	
02/21/00	11.97	7.51	4.46			1,900 180 <sup>3</sup>					2 <b>44</b> 0	5,160	
05/08/00	11.97	6.92	5.05	0.00	0.00	420 <sup>11</sup>						6,920	1000
08/08/00	11.97	6.55	5.42	0.00	0.00	420 180 <sup>11</sup>					0.0000	6,800	() <del></del>

## Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

WELL ID/	TOC*		n hand ef r		SPH								
		GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-6 (cont)													
11/01/00	11.97	6.24	5.73	0.00	0.00	77 <sup>14</sup>		855				25,000	
02/12/01	11.97	6.65	5.32	0.00	0.00	62 <sup>11</sup>				<u>10.000</u>		16,000	
05/14/01	11.97	6.62	5.35	0.00	0.00	55 <sup>12</sup>						9,100	
08/13/01	11.97	6.05	5.92	0.00	0.00	220						33,000	
11/12/01	11.97	5.63	6.34	0.00	0.00	550						34,000 <sup>19</sup>	
02/04/02	11.97	7.16	4.81	0.00	0.00	290			3 <b></b> 3			28,000	
05/06/02	11.97	6.94	5.03	0.00	0.00	270		192				23,000	
08/29/02	11.97	6.29	5.68	0.00	0.00	490		-	8 <del></del> 5			29,000	
11/25/02	11.97	6.08	5.89	0.00	0.00	450						30,000	
02/05/03	11.97	6.99	4.98	0.00	0.00	260						17,000	
05/15/03	11.97	7.04	4.93	0.00	0.00	310	2000					28,000	
08/14/03	11.97	6.32	5.65	0.00	0.00	160 <sup>23</sup>			S <b></b> S			31,000	
11/13/03	25	25	5.90	0.00	0.00	190			3 <b></b> 15			20,000	
02/12/04	<b></b> <sup>25</sup>	25	4.79	0.00	0.00	400						31,000	
05/13/04	25	25	4.97	0.00	0.00	54 <sup>23</sup>						13,000	
08/12/04	-25	<sup>25</sup>	5.56	0.00	0.00	250		1				26,000	
11/11/04	<sup>25</sup>	25	5.97	0.00	0.00	250	460		d <del></del> 3			20,000	
02/10/05	25	25	4.67	0.00	0.00	280				( <del></del>		10,000	
05/12/05 <sup>24</sup>	25	25	4.61	0.00	0.00	210 <sup>26</sup>	340	<10	<10	<10	<10	15,000	
08/11/05	_ <sup>25</sup>	25	5.32	0.00	0.00	130 <sup>27</sup>						12,000 <sup>29</sup>	202
11/10/05	25	25	5.41	0.00	0.00	100 <sup>27</sup>		<0.5	<0.5	<0.5	<1.5	9,300	
02/09/06	25	25	4.50	0.00	0.00	<b>290</b> <sup>31</sup>		-2		-		2,200	
05/11/06	25	25	4.70	0.00	0.00	<50				6		1,000	
08/10/06	<sup>25</sup>	25	5.42	0.00	0.00	150						4,300	
11/09/06 <sup>24</sup>	<sup>25</sup>	25	5.80	0.00	0.00	240		<2.0	<0.5	<0.5	<1.5	2,200	
02/08/07	25	<sup>25</sup>	5.48	0.00	0.00	140						1,300	
05/10/07	<sup>25</sup>	25	5.17	0.00	0.00	120		<0.5	<0.5	<0.5	<0.5	1,500	
08/08/07	<b></b> <sup>25</sup>	<sup>25</sup>	5.80	0.00	0.00	73						1,300	<u></u>
11/07/07	25	25	5.98	0.00	0.00	120						100 <sup>30</sup>	
02/13/08	25	25	4.59	0.00	0.00	130					1.000	33	
05/14/08	25	25	5.36	0.00	0.00	94	1000 100					680	
08/13/08 <sup>24</sup>	25	<sup>25</sup>	5.87	0.00	0.00	90		<0.5	<0.5	<0.5	<1.5	<400 <sup>32</sup>	
11/12/08	_ <sup>25</sup>	25	5.75	0.00	0.00	95					2 <b></b>	22	

1802 Webster Street

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WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
<b>B-7</b>													
04/23/93	10.54	6.02	4.52				<50	<0.5	<0.5	<0.5	<1.5		<50
07/19/93	10.54	5.50	5.04			<50	<50	<0.5	<0.5	<0.5	<1.5		<50
10/19/93	10.54	5.14	5.40			<50	<50	3.1	0.5	<0.5	0.8		
01/07/94	10.54	5.35	5.19			<50	<50	<0.5	<0.5	<0.5	<0.5		
08/18/94	10.54	5.28	5.26			<50	<50	<0.5	<0.5	<0.5	1.1		
11/30/94	10.54	5.96	4.58			<50	<50	<0.5	<0.5	<0.5	<0.5	8 <u>22</u> 25	
02/15/95	10.54	6.32	4.22			<50	<50	<0.5	<0.5	<0.5	<0.5	<u></u>	
05/01/95	10.54	6.04	4.50		5 <b></b> 15	53 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
08/04/95	10.54	5.56	4.98			<50	<50	<0.5	<0.5	<0.5	<0.5		
02/12/98	10.54	7.49	3.05			<50	<50	<0.5	<0.5	<0.5	<0.5		
06/03/98	10.54	6.59	3.95			SAMPLED SE	MI-ANNUAL						
07/29/98	10.54	5.99	4.55				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
11/30/98	10.54	5.56	4.98						s <b></b> -3				
02/24/99	10.54	7.24	3.30				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
05/06/99	10.54	4.79	5.75										
08/30/99	10.54	5.25	5.29			144	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
11/17/99	10.54	4.81	5.73										
02/21/00	10.54	6.54	4.00				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
05/08/00	10.54	6.14	4.40	0.00	0.00								
08/08/00	10.54	6.05	4.49	0.00	0.00		<50	< 0.50	<0.50	<0.50	<0.50	<2.5	
11/01/00	10.54	5.85	4.69	0.00	0.00								
02/12/01	10.54	6.17	4.37	0.00	0.00		<50	< 0.50	<0.50	< 0.50	<0.50	<2.5	
05/14/01	10.54	6.09	4.45	SAMPLE	D SEMI- ANNU	ALLY	1-11					-2.5	
08/13/01	10.54	5.61	4.93	0.00	0.00		<50	< 0.50	<0.50	<0.50	<0.50	<2.5	
11/12/01	10.54	5.27	5.27	0.00	0.00	SAMPLED SE	MI-ANNUAL						
02/04/02	10.54	6.43	4.11	0.00	0.00		<50	< 0.50	<0.50	<0.50	<1.5	<2.5	
05/06/02	10.54	6.28	4.26	0.00	0.00	SAMPLED SE	MI-ANNUAL						
08/29/02	10.54	5.76	4.78	0.00	0.00	<b>34</b>	<50	< 0.50	<0.50	<0.50	1.8	<2.5	
11/25/02	10.54	5.61	4.93	0.00		SAMPLED SE	MI-ANNUAL						
02/05/03	10.54	6.43	4.11	0.00	0.00		<50	<0.50	<0.50	<0.50	<1.5	<2.5	
05/15/03	10.54	6.45	4.09	0.00		SAMPLED SE	MI-ANNUAL			-0.50		-2.5	
08/14/03 <sup>24</sup>	10.54	5.76	4.78	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/13/03	10.54	5.85	4.69	0.00	0.00	SAMPLED SE	MI-ANNUAL			-0.5		-0.5	
02/12/04 <sup>24</sup>	10.54	6.39	4.15	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	6006

1802 Webster Street

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WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	Т	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-7 (cont)													
05/13/04	10.54	6.24	4.30	0.00	0.00	<50 <sup>23</sup>					<u></u>		
08/12/04 <sup>24</sup>	10.54	5.78	4.76	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/11/04	10.54	5.36	5.18	0.00	0.00	SAMPLED SI	MI-ANNUAL	LY			6 <b></b> 0		
02/10/05 <sup>24</sup>	10.54	6.58	3.96	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/12/05	10.54	6.67	3.87	0.00	0.00	SAMPLED SH	MI-ANNUAL	LY		75			
08/11/0524	10.54	6.05	4.49	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/10/05	10.54	6.03	4.51	0.00	0.00	SAMPLED SI	MI-ANNUAL				-		100
02/09/0624	10.54	6.79	3.75	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/11/06	10.54	6.82	3.72	0.00	0.00	SAMPLED SH	MI-ANNUAL						
08/10/0624	10.54	5.71	4.83	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/09/06	10.54	5.42	5.12	0.00	0.00	SAMPLED SE							
02/08/0724	10.54	5.73	4.81	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/10/07	10.54	5.89	4.65	0.00	0.00	SAMPLED SH							
08/08/0724	10.54	5.58	4.96	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/07/07	10.54	5.33	5.21	0.00	0.00	SAMPLED SH							
02/13/0824	10.54	6.51	4.03	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/14/08	10.54	6.08	4.46	0.00	0.00	SAMPLED SH					-0.5	-0.5	
08/13/08 <sup>24</sup>	10.54	5.63	4.91	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/12/08	10.54	5.69	4.85	0.00	0.00	SAMPLED S							
									_	-		<del></del>	2. <del>117</del> .5
<b>B-10</b>													
11/29/95	11.42	4.91	6.51	1. TT		900 <sup>3</sup>	1,700	95	<2.5	69	170	22	
02/08/96	11.42	6.87	4.55	3 <del></del> 3		650 <sup>3</sup>	230	31	<0.5	7.2	6.2	10	
05/08/96	11.42	5.87	5.55			570 <sup>3</sup>	260	61	0.59	37	23	20	
08/23/96	11.42	5.23	6.19			700 <sup>3</sup>	320	34	<0.5	29	15	8.3	
12/12/96	11.42	5.59	5.83			990 <sup>3</sup>	1,600	94	<2.5	110	27	<12	
02/10/97	11.42	6.84	4.58			530 <sup>3</sup>	2,100	230	5.6	130	83	<12	
05/01/97	11.42	5.85	5.57			770 <sup>3</sup>	2,300	110	<2.5	140	49	<12	
08/05/97	11.42	5.12	6.30			620 <sup>3</sup>	650	33	1.1	70	16	3.2	
10/28/97	11.42	5.24	6.18			310 <sup>3</sup>	740	25	1.6	53	14	6.7	
02/04/98	11.42	8.53	2.89			$250^{3}$	950	23	4.5	<0.5	1.9	<2.5	
06/03/98	11.42	6.62	4.80	-		490 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5 <2.5	
07/29/98	11.42	5.77	5.65		1949) 	390 <sup>3</sup>	290	3.9	<0.5	<0.5 8.5	<0.5 1.4	<2.5	
11/30/98	11.42	5.80	5.62			437	<50	<0.5	<0.5	<0.5	<0.5	<2.5 7.11	
							-20	-0.0	~0.5	~0.5	<b>~0.3</b>	7.11	

1802 Webster Street

						SPH								
WELL ID/		TOC*	GWE	ÐTW	SPHT	REMOVED	TPH-D	TPH-G	B	Т	E	x	MTBE	TOG
DATE		(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-10 (cont)											- Alexandria (Marine)			
02/24/99		11.42	7.19	4.23			259 <sup>3</sup>	160	35	0.55	0.64	0.64	9.2	
05/06/99		11.42	6.31	5.11		122	$190^{3}$	490	7.05	1.02	8.24	2.18	<5.0	
08/30/99		11.42	5.06	6.36			$330^{3}$	205	1.79	0.808	5.55	2.16	3.93	
11/17/99		11.42	5.48	5.94		1.2.2	$2,180^{3}$	108	1.2	<0.5	1.2	<0.5	<2.5	
02/21/00		11.42	7.07	4.35			360 <sup>3</sup>	587	17.6	2.92	10.1	4.61	5.08	
05/08/00		11.42	5.99	5.43	0.00	0.00	32011	380 <sup>9</sup>	5.4	2.6	3.2	6.3	9.1	
08/08/00		11.42	DRY		85750							( <b></b>		
11/01/00		11.42	DRY								7 <b>44</b>			
	NP	11.42	6.09	5.33	0.00	0.00						1		
05/14/01 <sup>16</sup>		11.42	OBSTRUC	TION IN W	/ELL	( <b></b> )							<u></u>	( <u>14</u> )
08/13/01 <sup>16</sup>		11.42	OBSTRUC	TION IN W	/ELL									
11/12/0116		11.42	OBSTRUC	TION IN W	/ELL							5-416 C		
02/04/02 <sup>20</sup>		11.42	6.18	5.24	0.00	0.00	340	100	1.8	<0.50	0.57	<1.5	18	
05/06/02		11.42	6.00	5.42	0.00	0.00	1,000	86	1.4	<0.50	<0.50	<1.5	17	
08/29/02		11.42	4.79	6.63	0.00	0.00	650	120	<0.50	<0.50	<0.50	<1.5	38	
11/25/02		11.42	5.32	6.10	0.00	0.00	1,200	77	<0.50	<0.50	<0.50	<1.5	40	
02/05/03		11.42	6.19	5.23	0.00	0.00	650	190	<2.0	<0.50	<0.50	<1.5	30	
05/15/03		11.42	6.16	5.26	0.00	0.00	750	150	1.2	<0.5	<0.5	<1.5	30	
08/14/03 <sup>24</sup>		11.42	5.03	6.39	0.00	0.00	230 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	38	
11/13/0324		11.42	5.17	6.25	0.00	0.00	1,000	<50	<0.5	<0.5	<0.5	<0.5	52	
02/12/04 <sup>24</sup>		11.42	6.32	5.10	0.00	0.00	810	<50	<0.5	<0.5	<0.5	<0.5	30	
05/13/04 <sup>24</sup>		11.42	5.75	5.67	0.00	0.00	71 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	33	
08/12/04 <sup>24</sup>		11.42	5.12	6.30	0.00	0.00	460	<50	<0.5	<0.5	<0.5	<0.5	30	
11/11/04 <sup>24</sup>		11.42	4.65	6.77	0.00	0.00	350	<50	<0.5	<0.5	<0.5	<0.5	30	
02/10/05 <sup>24</sup>		11.42	6.60	4.82	0.00	0.00	580	<50	<0.5	<0.5	<0.5	<0.5	27	
05/12/05 <sup>24</sup>		11.42	6.38	5.04	0.00	0.00	160 <sup>26</sup>	<50	<0.5	<0.5	<0.5	<0.5	21	
08/11/05 <sup>24</sup>		11.42	5.70	5.72	0.00	0.00	130 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	18	
11/10/05 <sup>24</sup>		11.42	5.90	5.52	0.00	0.00	89 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	22	
02/09/06 <sup>24</sup>		11.42	6.78	4.64	0.00	0.00	320 <sup>27</sup>	81	<0.5	<0.5	<0.5	<0.5	16	
05/11/06 <sup>24</sup>		11.42	6.44	4.98	0.00	0.00	430	180	<0.5	<0.5	<0.5	0.5	19	
08/10/06 <sup>24</sup>		11.42	5.64	5.78	0.00	0.00	210	<50	<0.5	<0.5	0.6	<0.5	12	
11/09/06 <sup>24</sup>		11.42	5.33	6.09	0.00	0.00	980	<50	<0.5	<0.5	<0.5	<0.5	11	
02/08/07 <sup>24</sup>		11.42	5.77	5.65	0.00	0.00	340	<50	<0.5	<0.5	<0.5	<0.5	13	
05/10/07 <sup>24</sup>		11.42	5.91	5.51	0.00	0.00	90	<50	<0.5	<0.5	<0.5	<0.5	10 -	
08/08/07 <sup>24</sup>		11.42	5.39	6.03	0.00	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	7	

1802 Webster Street

					SPH		ua, Camornia						
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(fl.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-10 (cont)													
11/07/07 <sup>24</sup>	11.42	5.12	6.30	0.00	0.00	250	<50	<0.5	<0.5	<0.5	<0.5	7	
02/13/08 <sup>24</sup>	11.42	6.71	4.71	0.00	0.00	510	<50	<0.5	<0.5	<0.5	<0.5	4	
05/14/0824	11.42	5.74	5.68	0.00	0.00	140	<50	<0.5	<0.5	<0.5	<0.5	6	
08/13/08 <sup>24</sup>	11.42	5.41	6.01	0.00	0.00	520	<50	<0.5	<0.5	<0.5	<0.5	5	
11/12/0824	11.42	5.52	5.90	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	7	
B-11													
11/29/95	11.98	6.08	5.90		1 <u></u> 11	$1,400^{3}$	2,800	38	<10	26	48	21,000	
02/08/96	11.98	7.54	4.44			$1,100^{3}$	<5,000	<50	<50	<50	<50	38,000	
05/08/96	11.98	6.98	5.00			1,300 <sup>3</sup>	4,100	110	<10	31	25	17,000	
08/23/96	11.98	6.37	5.61			820 <sup>3</sup>	3,400	160	12	41	13	4,000	
12/12/96	11.98	6.85	5.13			1,300 <sup>3</sup>	3,700	120	12	<5.0	30	2,200	
02/10/97	11.98	7.91	4.07			810 <sup>3</sup>	2,300	56	17	<5.0	20	4,700	
05/01/97	11.98	6.95	5.03			820 <sup>3</sup>	<5,000	<50	<50	<50	<50	21,000	
08/05/97	11.98	6.38	5.60			900 <sup>3</sup>	3,500	42	<10	<10	<10	4,100	
10/28/97	11.98	6.30	5.68			1,300 <sup>3</sup>	3,000	39	6.2	8.0	13	2,300	
02/04/98	11.98	9.39	2.59			930 <sup>3</sup>	1,300	3.2	1.4	<0.5	5.0	46,000	
06/03/98	11.98	7.53	4.45			740 <sup>3</sup>	860	3.7	1.4	0.84	3.0	34,000	
07/29/98	11.98	6.80	5.18			$1,400^{3}$	1,300	6.9	2.5	3.8	2.0	50,000/41,000 <sup>6</sup>	
11/30/98	11.98	6.91	5.07	<u></u>		1,020	<1,000	<10	<10	<10	<10	5,370	
02/24/99	11.98	7.79	4.19	<del></del> 5		$2,290^3$	690	4.7	<0.5	2.7	3.1	67,000	
05/06/99	11.98	7.43	4.55			580 <sup>3</sup>	423	4.66	0.662	<0.5	1.38	20,600	
08/30/99	11.98	6.18	5.80		122	$1,120^{3}$	1,220	31	8.6	<5.0	14	10,900	
11/17/99	11.98	6.41	5.57			$1,160^{3}$	2,800	36.6	10.6	8.41	11.6	12,000	
02/21/00	11.98	7.77	4.21			730 <sup>3</sup>	1,570	12.3	2.71	3.33	12.9	2,980	
05/08/00	11.98	7.04	4.94	0.00	0.00	220 <sup>13</sup>	<500	<5.0	<5.0	<5.0	<5.0	8,500	
08/08/00	11.98	6.79	5.19	0.00	0.00	660 <sup>13</sup>	2,900 <sup>10</sup>	51	<25	<25	38	10,000	
11/01/00	11.98	6.72	5.26	0.00	0.00	<b>290</b> <sup>11</sup>	<5,000	<50	<50	<50	<50	29,000	
02/12/01	11.98	7.24	4.74	0.00	0.00	660 <sup>13</sup>	1,700 <sup>10</sup>	38	11	11	22	7,800	
05/14/01	11.98	6.84	5.14	0.00	0.00	430 <sup>13</sup>	1,200 <sup>10</sup>	29	11	<10	<10	35,000	
08/13/01	11.98	6.33	5.65	0.00	0.00	910	<5,000	<50	<50	<50	<50	140,000 <sup>18</sup>	
11/12/01	11.98	6.32	5.66	0.00	0.00	1,400	3,100	14	6.1	8.7	23	6,100	
02/04/02	11.98	7.25	4.73	0.00	0.00	650	1,400	5.6	1.8	2.5	9.3	7,800	
05/06/02	11.98	7.10	4.88	0.00	0.00	880	480	1.2	0.64	1.3	1.9	1,400	

1802 Webster Street

WELL ID/	тос*	GWE	DTW	SPHT	SPH REMOVED	TPH-D	11 ID 11. (7)						
DATE	100 (fl.)	(msl)	ыт. (ft.)	5FH1 (ft.)	(gallons)		TPH-G	В	Т	E	X	MTBE	TOG
	U47	(HESI)	<u> </u>	<u>(</u> 14)	(guitons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-11 (cont) 08/29/02	11.00	<i>~</i> • •		0.00			101102-0101	nazito in					
11/25/02	11.98 11.98	6.44	5.54	0.00	0.00	3,500	1,500	5.4	1.9	2.2	5.8	96,000	
02/05/03		6.44	5.54	0.00	0.00	3,700	1,200	2.7	1.0	1.4	7.0	45,000	
	11.98	7.18	4.80	0.00	0.00	2,100	910	2.7	<2.5	<2.5	<7.5	46,000	
05/15/03	11.98	7.18	4.80	0.00	0.00	2,500	1,100	5.4	<2.5	4.5	11	78,000	
08/14/03 <sup>24</sup>	11.98	6.45	5.53	0.00	0.00	3,600 <sup>23</sup>	840	<50	<50	<50	<50	88,000	
11/13/03 <sup>24</sup>	11.98	6.37	5.61	0.00	0.00	2,300	570	<10	<10	<10	<10	14,000	<u></u>
02/12/04 <sup>24</sup>	11.98	7.28	4.70	0.00	0.00	4,400	310	<25	<25	<25	<25	29,000	
05/13/04 <sup>24</sup>	11.98	6.95	5.03	0.00	0.00	410 <sup>23</sup>	480	<13	<13	<13	<13	100,000	
08/12/04 <sup>24</sup>	11.98	6.56	5.42	0.00	0.00	3,600	850	<10	<10	<10	<10	83,000	
11/11/04 <sup>24</sup>	11.98	6.05	5.93	0.00	0.00	3,100	570	<10	<10	<10	<10	20,000	
02/10/05 <sup>24</sup>	11.98	7.42	4.56	0.00	0.00	12,000	320	<25	<25	<25	<25	49,000	
05/12/05 <sup>24</sup>	11.98	7.40	4.58	0.00	0.00	1,900 <sup>26</sup>	400	<25	<25	<25	<25	42,000	
08/11/05 <sup>24</sup>	11.98	6.82	5.16	0.00	0.00	12,000 <sup>28</sup>	320	<25	<25	<25	<25	36,000	
11/10/05 <sup>24</sup>	11.98	6.90	5.08	0.00	0.00	1,200 <sup>27</sup>	57	<0.5	<0.5	<0.5	<0.5	1,400	
02/09/06 <sup>24</sup>	11.98	7.62	4.36	0.00	0.00	310 <sup>27</sup>	70	<3	<3	<3	<3	10,000	li <b>ster</b> ii
05/11/06 <sup>24</sup>	11.98	7.39	4.59	0.00	0.00	740	250	<5	<5	<5	<5	19,000	
08/10/06 <sup>24</sup>	11.98	5.89	6.09	0.00	0.00	6,600	2,000	<25	<25	<25	<25	94,000	
11/09/06 <sup>24</sup>	11.98	6.47	5.51	0.00	0.00	10,000	620	<3	<3	<3	<3	9,900	
02/08/07 <sup>24</sup>	11.98	6.76	5.22	0.00	0.00	5,100	1,000	<10	<10	<10	<10	47,000	
05/10/0724	11.98	6.89	5.09	0.00	0.00	3,500	1,700	<5	<5	<5	<5	38,000	
08/08/07 <sup>24</sup>	11.98	6.43	5.55	0.00	0.00	9,800	730	<25	<25	<25	<25	50,000	
11/07/07 <sup>24</sup>	11.98	6.16	5.82	0.00	0.00	1,700	340	<0.5	<0.5	<0.5	1	680 <sup>30</sup>	
02/13/08 <sup>24</sup>	11.98	7.50	4.48	0.00	0.00	3,100	760	<3	<3	<3	<3	24,000	
05/14/08 <sup>24</sup>	11.98	6.76	5.22	0.00	0.00	10,000	750	<10	<10	<10	<10	38,000	
08/13/08 <sup>24</sup>	11.98	6.43	5.55	0.00	0.00	5,300	460	<5	<5	<5	<5	14,000	
11/12/08 <sup>24</sup>	11.98	6.53	5.45	0.00	0.00	4,100	270	<0.5	<0.5	<0.5	<0.5	870	
B-12									(t)				
11/29/95	11.16	5.15	6.01			1,800 <sup>3</sup>	1,100	10	<10	<10	<10	37,000	
02/08/96	11.16	6.56	4.60		,	1,800 <sup>3</sup>	<20,000	<200	<200	<200	<200	88,000	
05/08/96	11.16	6.08	5.08			1,800 <sup>3</sup>	<25,000	<250	<250	<250	<250	88,000	
08/23/96	11.16	5.51	5.65			1,500 <sup>3</sup>	630	16	<5.0	<5.0	<5.0	420	
12/12/96	11.16	6.05	5.11			1,200 <sup>3</sup>	<25,000	<250	<250	<250	<250	54,000	
02/10/97	11.16	7.05	4.11			1,200 <sup>3</sup>	<20,000	<200	<200	<200	<200	65,000	

1802 Webster Street

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WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(fi.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-12 (cont)													
02/10/97 <sup>5</sup>	11.16	7.05	4.11					<500	<500	<500	<500		
05/01/97	11.16	6.17	4.99			$1,100^{3}$	<12,500	<125	<125	<125	<125	64,000	
08/05/97	11.16	5.55	5.61		1000	$1,100^{3}$	<10,000	<100	<100	<100	<100	46,000	
10/28/97	11.16	5.40	5.76			$1,100^{3}$	1,400	39	<5.0	7.2	6.0	29,000	
02/04/98	11.16	8.53	2.63			$4,800^{3}$	920	6.9	1.1	<0.5	2.8	59,000	
06/03/98	11.16	6.71	4.45			$2,000^{3}$	590	9.4	<0.5	0.93	<0.5	15,000	
07/29/98	11.16	5.91	5.25			$2,200^{3}$	820	5.6	2.0	3.3	1.2	28,000/33,0006	
11/30/98	11.16	6.03	5.13			1,060	2,110	<10	<10	<10	<10	5,330	
02/24/99	11.16	7.16	4.00	1441		$2,680^{3}$	410	0.64	<0.5	2.2	2.3	15,000	
05/06/99	11.16	6.71	4.45		5 × 5 × 5	3,550 <sup>3</sup>	<500	<5.0	<5.0	<5.0	<5.0	1370	<1,000
08/30/99	11.16	5.32	5.84			1,310 <sup>3</sup>	985	12.5	6.0	9.5	10.8	6600	
11/17/99	11.16	5.73	5.43			$1.060^{3}$	1,700	14.4	5.99	5.98	<5.0	14,200	
02/21/00	11.16	6.85	4.31			430 <sup>3</sup>	595	3.49	<0.5	<0.5	4.26	5,100	
05/08/00	11.16	6.21	4.95	0.00	0.00	340 <sup>13</sup>	<500	<5.0	<5.0	<5.0	<5.0	2,100	
08/08/00	11.16	6.01	5.15	0.00	0.00	260 <sup>13</sup>	410 <sup>10</sup>	3.9	1.5	1.8	4.8	2,000	
11/01/00	11.16	5.85	5.31	0.00	0.00	130 <sup>11</sup>	660 <sup>9</sup>	6.0	1.9	2.8	2.9	4,600	
02/12/01	11.16	6.27	4.89	0.00	0.00	28011	550 <sup>10</sup>	14	<5.0	5.0	<5.0	2,000	
05/14/01	11.16	6.05	5.11	0.00	0.00	280 <sup>13</sup>	770 <sup>10</sup>	7.6	5.0	0.80	4.8	1,400	
08/13/01	11.16	5.52	5.64	0.00	0.00	500	730 <sup>10</sup>	10	<5.0	6.1	<5.0	2,700	
11/12/01	11.16	5.40	5.76	0.00	0.00	900	1,700	2.2	1.1	7.6	9.2	1,400	
02/04/02	11.16	6.45	4.71	0.00	0.00	440	1,100	2.0	1.0	2.0	2.8	310	
05/06/02	11.16	6.28	4.88	0.00	0.00	340	660	<1.0	<1.0	<1.0	<1.0	96	
08/29/02	11.16	5.67	5.49	0.00	0.00	1,000	1,700	5.6	3.9	4.2	<15	530	
11/25/02	11.16	5.58	5.58	0.00	0.00	890	2,300	<5.0	1.8	3.5	<10	320	
02/05/03	11.16	6.40	4.76	0.00	0.00	770	1,600	<10	<2.5	<2.5	<7.5	270	
05/15/03	11.16	6.40	4.76	0.00	0.00	1,500	1,800	<2.5	<2.5	2.6	<7.5	280	
08/14/03 <sup>24</sup>	11.16	5.68	5.48	0.00	0.00	1,00023	2,000	1	0.7	0.9	2	300	
11/13/03 <sup>24</sup>	11.16	5.48	5.68	0.00	0.00	390	790	<0.5	<0.5	1	1	36	
02/12/04 <sup>24</sup>	11.16	6.44	4.72	0.00	0.00	210	94	<0.5	<0.5	<0.5	<0.5	8	
05/13/04 <sup>24</sup>	11.16	6.24	4.92	0.00	0.00	60 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	2	
08/12/04 <sup>24</sup>	11.16	5.75	5.41	0.00	0.00	130	290	<0.5	<0.5	<0.5	<0.5	61	
11/11/04 <sup>24</sup>	11.16	5.26	5.90	0.00	0.00	160	180	<0.5	<0.5	<0.5	<0.5	5	
02/10/05 <sup>24</sup>	11.16	6.62	4.54	0.00	0.00	130	<50	<0.5	<0.5	<0.5	<0.5	5	
05/12/05 <sup>24</sup>	11.16	6.59	4.57	0.00	0.00	150	160	<0.5	<0.5	<0.5	<0.5	5	
08/11/05 <sup>24</sup>	11.16	6.02	5.14	0.00	0.00	110	89	<0.5	<0.5	<0.5	<0.5	11	

1802 Webster Street

						Alame	da, California	L					
					SPH								
WELL ID/ DATE	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	Т	·····E	X	MTBE	TOG
	(ft.)	(msl)	(fi.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-12 (cont)													
11/10/05 <sup>24</sup>	11.16	6.05	5.11	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	5	
02/09/06 <sup>24</sup>	11.16	6.78	4.38	0.00	0.00	240 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	2	
05/11/0624	11.16	6.59	4.57	0.00	0.00	100	250	<0.5	<0.5	<0.5	<0.5	3	
08/10/06 <sup>24</sup>	11.16	5.84	5.32	0.00	0.00	1,300	470	<0.5	<0.5	<0.5	0.6	20	
11/09/0624	11.16	5.58	5.58	0.00	0.00	580	1,300	<0.5	<0.5	<0.5	0.5	17	
02/08/0724	11.16	5.86	5.30	0.00	0.00	97	<50	<0.5	<0.5	<0.5	<0.5	1	
05/10/07 <sup>24</sup>	11.16	6.08	5.08	0.00	0.00	100	<50	<0.5	<0.5	<0.5	<0.5	1	
08/08/07 <sup>24</sup>	11.16	5.56	5.60	0.00	0.00	480	1,300	0.9	<0.5	<0.5	0.9	45	
11/07/07 <sup>24</sup>	11.16	5.45	5.71	0.00	0.00	150	180	<0.5	<0.5	<0.5	<0.5	4	
02/13/08 <sup>24</sup>	11.16	6.71	4.45	0.00	0.00	290	59	<0.5	<0.5	<0.5	<0.5	2	
05/14/08 <sup>24</sup>	11.16	5.96	5.20	0.00	0.00	100	140	<0.5	<0.5	<0.5	<0.5	2	<u></u>
08/13/08 <sup>24</sup>	11.16	5.56	5.60	0.00	0.00	3,400	970	<0.5	<0.5	0.6	0.7	74	
11/12/08 <sup>24</sup>	11.16	5.68	5.48	0.00	0.00	79	190	<0.5	<0.5	<0.5	<0.5	4	
n 11													
B-13													
11/29/95	11.17	5.26	5.91			3,400 <sup>3</sup>	1,800	19	<5.0	5.5	<5.0	7,400	
02/08/96	11.17	6.72	4.45			450 <sup>3</sup>	910	12	1.3	2.0	1.9	77	
05/08/96	11.17	6.20	4.97	1000	. <del></del>	560 <sup>3</sup>	140	1.9	<0.5	0.88	2.0	98	
08/23/96	11.17	5.54	5.63			$1,300^{3}$	1,300	<10	<10	<10	<10	450	
12/12/96	11.17	5.91	5.26		1	$1,300^{3}$	2,600	29	5.4	9.40	6.3	230	
02/10/97	11.17	7.05	4.12	-		$290^{3}$	670	<0.5	6.7	2.6	5.6	28	
05/01/97	11.17	6.17	5.00	1. <del></del> .)		$480^{3}$	920	8.5	4.6	2.1	6.1	530	
08/05/97	11.17	5.52	5.65			1,300 <sup>3</sup>	1,900	23	<5.0	<5.0	<5.0	860	
10/28/97	11.17	5.49	5.68			2,200 <sup>3</sup>	2,400	33	14	8.4	10	2100	
02/04/98	11.17	8.48	2.69	3.000		$260^{3}$	110	<0.5	<0.5	<0.5	<0.5	260	
06/03/98	11.17	6.79	4.38			$480^{3}$	<50	<0.5	<0.5	<0.5	<0.5	400	
07/29/98	11.17	6.12	5.05	(1 <b>44</b> )		830 <sup>3</sup>	350	5.0	<0.5	0.67	1.2	730/980 <sup>6</sup>	
11/30/98	11.17	6.16	5.01		<u>e</u>	741	168	0.797	<0.5	<0.5	<0.5	114	
02/24/99	11.17	7.14	4.03	( <del></del> -		670 <sup>3</sup>	69	< 0.5	<0.5	<0.5	<0.5	530	
05/06/99	11.17	6.72	4.45			540 <sup>3</sup>	<500	<5.0	<5.0	<5.0	<5.0	454	
08/30/99	11.17	5.43	5.74	( <del></del> -		927 <sup>3</sup>	748	13.7	<2.5	4.53	10.6	377	
11/17/99	11.17	5.58	5.59			1,310 <sup>3</sup>	1,240	24.6	8.96	<5.0	20.2	1,900	
02/21/00	11.17	6.93	4.24			200 <sup>3</sup>	443	2.11	0.908	1.89	2.89	254	
05/08/00	11.17	6.35	4.82	0.00	0.00	24011	190 <sup>10</sup>	<0.50	0.68	1.7	1.1	190	

1802 Webster Street

					SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-13 (cont)													
08/08/00	11.17	6.18	4.99	0.00	0.00	100 <sup>13</sup>	150 <sup>10</sup>	0.84	1.2	1.3	2.6	44	
11/01/00	11.17	5.96	5.21	0.00	0.00	290 <sup>14</sup>	560 <sup>9</sup>	4.9	1.4	4.7	11	1,100	
02/12/01	11.17	6.41	4.76	0.00	0.00	210 <sup>13</sup>	160 <sup>10</sup>	5.4	1.3	2.1	2.5	200	
05/14/01	11.17	6.19	4.98	0.00	0.00	130 <sup>11</sup>	240 <sup>10</sup>	3.7	2.2	0.92	3.2	66	
08/13/01	11.17	5.62	5.55	0.00	0.00	750	560 <sup>10</sup>	13	6.4	<5.0	<5.0	690	÷
11/12/01	11.17	5.46	5.71	0.00	0.00	2,100	3,500	9.2	8.1	16	25	700	
02/04/02	11.17	6.62	4.55	0.00	0.00	320	430	1.7	0.54	1.0	1.8	91	
05/06/02	11.17	6.44	4.73	0.00	0.00	430	<50	<0.50	<0.50	<0.50	<0.50	22	
08/29/02	11.17	5.82	5.35	0.00	0.00	1,600	660	<2.0	1.1	0.82	2.2	320	
11/25/02	11.17	5.69	5.48	0.00	0.00	1,600	1,800	3.3	2.8	4.4	<10	520	22
02/05/03	11.17	6.56	4.61	0.00	0.00	550	410	1.1	0.60	<2.0	1.6	94	
05/15/03	11.17	6.59	4.58	0.00	0.00	760	250	<2.0	<0.5	0.9	<1.5	41	
08/14/03 <sup>24</sup>	11.17	5.84	5.33	0.00	0.00	1,20023	610	1	0.9	1	2	300	
11/13/03 <sup>24</sup>	11.17	5.61	5.56	0.00	0.00	1,500	810	0.6	0.5	1	1	63	
02/12/04 <sup>24</sup>	11.17	6.58	4.59	0.00	0.00	180	<50	<0.5	<0.5	<0.5	<0.5	10	
05/13/04 <sup>24</sup>	11.17	6.42	4.75	0.00	0.00	<50 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	7	
08/12/04 <sup>24</sup>	11.17	5.91	5.26	0.00	0.00	260	<50	<0.5	<0.5	<0.5	<0.5	8	
11/11/04 <sup>24</sup>	11.17	5.52	5.65	0.00	0.00	240	<50	<0.5	<0.5	<0.5	<0.5	24	
02/10/05 <sup>24</sup>	11.17	6.77	4.40	0.00	0.00	150	<50	<0.5	<0.5	<0.5	<0.5	4	
05/12/05 <sup>24</sup>	11.17	6.79	4.38	0.00	0.00	730 <sup>26</sup>	<50	<0.5	<0.5	<0.5	<0.5	29	
08/11/05 <sup>24</sup>	11.17	6.09	5.08	0.00	0.00	440 <sup>28</sup>	<50	<0.5	<0.5	<0.5	<0.5	4	
11/10/05 <sup>24</sup>	11.17	6.08	5.09	0.00	0.00	370 <sup>27</sup>	170	<0.5	<0.5	<0.5	<0.5	27	
02/09/06 <sup>24</sup>	11.17	6.77	4.40	0.00	0.00	200 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	0.7	
05/11/06 <sup>24</sup>	11.17	6.67	4.50	0.00	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/10/06 <sup>24</sup>	11.17	5.96	5.21	0.00	0.00	1,200	92	<0.5	<0.5	<0.5	<0.5	5	
11/09/06 <sup>24</sup>	11.17	5.68	5.49	0.00	0.00	1,500	530	<0.5	<0.5	0.6	0.8	14	
02/08/07 <sup>24</sup>	11.17	5.98	5.19	0.00	0.00	790	68	<0.5	<0.5	<0.5	<0.5	14	
05/10/07 <sup>24</sup>	11.17	6.15	5.02	0.00	0.00	530	<50	<0.5	<0.5	<0.5	<0.5	6	
08/08/07 <sup>24</sup>	11.17	5.66	5.51	0.00	0.00	330	140	<0.5	<0.5	<0.5	<0.5	4	
11/07/07 <sup>24</sup>	11.17	5.44	5.73	0.00	0.00	400	250	<0.5	<0.5	<0.5	<0.5	4	
02/13/08 <sup>24</sup>	11.17	6.84	4.33	0.00	0.00	200	<50	<0.5	<0.5	<0.5	<0.5	2	
05/14/08 <sup>24</sup>	11.17	6.07	5.10	0.00	0.00	800	<50	<0.5	<0.5	<0.5	<0.5	2	
08/13/08 <sup>24</sup>	11.17	5.68	5.49	0.00	0.00	1,700	<50	<0.5	<0.5	<0.5	<0.5	2	
11/12/08 <sup>24</sup>	11.17	5.80	5.37	0.00	0.00	2,000	500	<0.5	<0.5	<0.5	1	13	100000

1802 Webster Street

						Alame	da, California	li					
					SPH				· · · · · · · · · · · · · · · · · · ·				
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	Т	E	x	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(fl.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-14													
08/29/0221	9.54	5.12	4.42	0.00	0.00	930	<50	< 0.50	<0.50	< 0.50	<1.5	1,400	
11/25/02	9.54	5.14	4.40	0.00	0.00	1,200	<50	< 0.50	<0.50	<0.50	<1.5	1,400	
02/05/03	9.54	5.56	3.98	0.00	0.00	580	<50	< 0.50	<0.50	<0.50	<1.5	1,400	
05/15/03	9.54	5.69	3.85	0.00	0.00	1,000	<50	<0.5	<0.5	<0.5	<1.5	1,500	
08/14/0324	9.54	5.07	4.47	0.00	0.00	<250223	<50	<0.5	<0.5	<0.5	<0.5	1,100	
11/13/0324	9.54	5.04	4.50	0.00	0.00	1,800	<50	<0.5	<0.5	<0.5	<0.5	530	
02/12/0424	9.54	5.56	3.98	0.00	0.00	2,000	59	<0.5	<0.5	<0.5	<0.5	1,000	
05/13/0424	9.54	5.47	4.07	0.00	0.00	390 <sup>23</sup>	<50	<1	<1	<1	<1	1,800	
08/12/0424	9.54	5.26	4.28	0.00	0.00	750	<50	<0.5	<0.5	<0.5	<0.5	1,100	
11/11/0424	9.54	4.76	4.78	0.00	0.00	2,100	<50	<0.5	<0.5	<0.5	<0.5	910	
02/10/05 <sup>24</sup>	9.54	5.82	3.72	0.00	0.00	2,500	78	<1	<1	<1	<1	1,600	
05/12/0524	9.54	5.74	3.80	0.00	0.00	700 <sup>26</sup>	72	<0.5	<0.5	<0.5	<0.5	1,900	
08/11/0524	9.54	5.51	4.03	0.00	0.00	1,50027	<50	<0.5	<0.5	<0.5	<0.5	830	
11/10/0524	9.54	5.56	3.98	0.00	0.00	1,200 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	480	
02/09/0624	9.54	5.84	3.70	0.00	0.00	1,600 <sup>27</sup>	52	<0.5	<0.5	<0.5	<0.5	230	
05/11/0624	9.54	5.77	3.77	0.00	0.00	3,400	<50	<0.5	<0.5	<0.5	<0.5	190	
08/10/06 <sup>24</sup>	9.54	5.27	4.27	0.00	0.00	1,700	53	<0.5	<0.5	<0.5	<0.5	440	
11/09/0624	9.54	5.34	4.20	0.00	0.00	1,400	<50	<0.5	<0.5	<0.5	<0.5	84	
02/08/0724	9.54	5.36	4.18	0.00	0.00	1,100	<50	<0.5	<0.5	<0.5	<0.5	7	
05/10/07 <sup>24</sup>	9.54	5.45	4.09	0.00	0.00	910	<50	<0.5	<0.5	<0.5	<0.5	150	
08/08/07 <sup>24</sup>	9.54	5.23	4.31	0.00	0.00	330	<50	<0.5	<0.5	<0.5	<0.5	94	
11/07/07 <sup>24</sup>	9.54	5.14	4.40	0.00	0.00	240	<50	<0.5	<0.5	<0.5	<0.5	50	
02/13/0824	9.54	6.01	3.53	0.00	0.00	520	<50	<0.5	<0.5	<0.5	<0.5	2	
05/14/08 <sup>24</sup>	9.54	5.46	4.08	0.00	0.00	280	<50	<0.5	<0.5	<0.5	<0.5	20	
08/13/08 <sup>24</sup>	9.54	5.27	4.27	0.00	0.00	180	<50	<0.5	<0.5	<0.5	<0.5	28	
11/12/0824	9.54	5.36	4.18	0.00	0.00	57	<50	<0.5	<0.5	<0.5	<0.5	12	-
							1717	010		-0.5	-0.5	14	2. <del></del> 2
<b>B-15</b>													
08/29/02 <sup>21</sup>	9.43	5.25	4.18	0.00	0.00	<130	<50	<0.50	< 0.50	<0.50	<1.5	<2.5	
11/25/02	9.43	5.22	4.21	0.00	0.00	<50	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
02/05/03	9.43	5.86	3.57	0.00	0.00	<50	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	
05/15/03	9.43	5.88	3.55	0.00	0.00	<50	<50	< 0.5	< 0.5	< 0.5	<1.5	<2.5	
08/14/03 <sup>24</sup>	9.43	5.30	4.13	0.00	0.00	<50 <sup>23</sup>	<50	<0.5	< 0.5	< 0.5	<0.5	<0.5	
11/13/03 <sup>24</sup>	9.43	5.14	4.29	0.00	0.00	<50	<50	<0.5	< 0.5	< 0.5	<0.5	0.8	

1802 Webster Street

					SPH		ua, camonia			3			
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	Т	E	x	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-15 (cont)									2010				
02/12/0424	9.43	5.84	3.59	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/13/04 <sup>24</sup>	9.43	5.62	3.81	0.00	0.00	<50 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/12/04 <sup>24</sup>	9.43	5.22	4.21	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	24
11/11/04 <sup>24</sup>	9.43	4.79	4.64	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/10/05 <sup>24</sup>	9.43	6.02	3.41	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/12/0524	9.43	6.08	3.35	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/11/0524	9.43	5.56	3.87	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/10/05 <sup>24</sup>	9.43	5.53	3.90	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/09/06 <sup>24</sup>	9.43	5.91	3.52	0.00	0.00	150 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/11/0624	9.43	5.96	3.47	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<u></u>
08/10/0624	9.43	5.31	4.12	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/09/0624	9.43	5.26	4.17	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/08/0724	9.43	5.35	4.08	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/10/0724	9.43	5.42	4.01	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	200
08/08/0724	9.43	5.28	4.15	0.00	0.00	50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/07/0724	9.43	5.10	4.33	0.00	0.00	250	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/13/0824	9.43	5.92	3.51	0.00	0.00	67	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/14/0824	9.43	5.56	3.87	0.00	0.00	110	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/13/0824	9.43	5.27	4.16	0.00	0.00	170	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/12/0824	9.43	5.33	4.10	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
A-2													
09/20/91	8.00	0.27	7.73	0.00		<b>5 1</b> 00	0.400						
10/09/91	8.00 8.00			0.00		5,100	8,100	860	14	110	53		
10/17/91	8.00	1.39 1.34	6.61 6.66	0.00									19 <u>44</u> -19
10/23/91	8.00			0.00									
11/01/91	8.00 8.00	1.29 1.45	6.80	0.09									
11/07/91			6.63	0.15									
11/15/91	8.00 8.00	1.45 1.38	6.64	0.21									
11/21/91		1.38	6.81	0.19	-								
12/12/91	8.00 8.00	1.31	6.93	0.24			2.2			9 <del>96</del>			
12/12/91	8.00	1.24	6.97	0.15				1000					
01/13/92	8.00 8.00		6.54 5.02	0.24									
01/13/92	8.00 8.00	2.16	5.92	0.08		<del></del> :		0					19 <del>99</del> 5
01/22/92	0.00	2.00	6.01	0.10							1777		11 <b></b> 10

1802 Webster Street

wwyatawiat, at as /	~~~				SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-2 (cont)													1994 MP-11-194-194
02/12/92	8.00	2.20	6.06	0.26									
03/09/92	8.00	3.11	4.93	0.04							()		
04/10/92	8.00	2.80	5.20	< 0.01									
05/18/92	8.00	2.36	5.66	0.02						3 <u></u> 3			
01/06/93	8.00												
02/03/93	8.00	3.20	4.98	0.22									
04/23/93	11.46	6.24	5.36	0.18						3 <u></u> -*			
06/11/93	11.46				0.13							2000	
06/15/93	11.46	5 <b>-1</b> -0		201	0.13			2-					
06/18/93	11.46	-			0.26								
06/22/93	11.46				0.50								
06/29/93	11.46												
07/09/93	11.46			2 <b>44</b> 20									
07/15/93	11.46												
07/19/93	11.46	5.53	6.79	1.07									
07/20/93	11.46												tortsi
07/27/93	11.46	-											
08/06/93	11.46												
08/10/93	11.46			-		19-30-3 						<b>1</b> .5	
08/16/93	11.46				<u></u>								() <b></b> []
09/16/93	11.46							5.5% 	1000				
09/24/93	11.46												
10/01/93	11.46			/ <b></b> )					225 C				. <del></del>
10/07/93	11.46			-		<u>800</u>					(1 <del>966</del> )	(control)	(1 <del></del>
10/13/93	11.46	020					<ul> <li>(4)</li> <li>(2)</li> </ul>		-	3 <del>3</del> 0	2 <b></b> 2		
10/19/93	11.46	6.23	6.36	1.41				<b>1</b>					
10/20/93	11.46		0.50			<b></b>	<b>**</b>						1. <del></del> .
10/28/93	11.46											<del></del> )	
11/12/93	11.46						<del>7.7</del> .			(1 <del>11)</del> (1			3 <b></b> 3
11/19/93	11.46					<b>7</b> 54				8		<del>8.</del>	
11/30/93	11.46					<del></del> :							
12/10/93	11.46									6			
12/16/93	11.46		1 <del>111</del> 1	1 <b>22</b> 0		<del></del>					)		
12/10/93	11.46		1			<b>1</b>		8. <del></del> )					
12/23/93	11.46	6.00	8 <b>5.5</b>	1.000				5 <b></b> 7		-			6 <del></del> 5
12/29/93	11.40	- <del></del>								2775	275		

1802 Webster Street

WELL ID/ DATE A-2 (cont)	TOC* (ft.)	GWE	DTW	SPHT	TO THE RANGE THE THE								
A-2 (cont)	(14)				REMOVED	TPH-D	TPH-G	B	T	E	X	MTBE	TOG
		(msl)	(fl.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
1 /0.0 /0.4													
1/03/94	11.46						1						
1/17/94	11.46						. <del></del> )	2.000					
01/26/94	11.46	<u></u>								()		1 <u>22</u> 3	
02/07/94	11.46	<b>1</b> .7			2 <del></del>						().1=1 ===		
02/11/94	11.46				3 <b></b> 3	5 <b>44</b> 0)							
2/18/94	11.46		411										
2/25/94	11.46				8 <b></b> 8	100							
)3/04/94	11.46				0 <del></del> 03								
03/11/94	11.46				2 <u></u> 22								
)3/16/94	11.46												
3/25/94	11.46	<del>70</del> 75			1								
DESTROYED											707)-	1999-1994 1997-1994	2007e
<b>B-</b> 3													
9/20/91	8.01	1.08	6.94	0.01									
0/09/91	8.01	1.66	6.35										
0/17/91	8.01	1.57	6.44										
1/01/91	8.01	1.70	6.31										
1/07/91	8.01	1.69	6.32		s <b></b>								57
1/15/91	8.01	1.62	6.39										5.5.
1/21/91	8.01	1.57	6.44		-				(				
2/12/91	8.01	1.19	6.82	< 0.01			) <b></b>						
2/30/91	8.01	1.64	6.37										557 A
1/13/92	8.01	2.07	5.94			10000	1-00					1	
1/22/92	8.01	2.02	5.99										
2/12/92	8.01	2.19	5.82	< 0.01									
3/09/92	8.01	2.91	5.10										•••
4/10/92	8.01	2.65	5.36				-				20 <b>00</b>		
5/18/92	8.01	2.29	5.72			250	6,200	550	58		51		
1/06/93	8.01	2.51	5.50	Sheen		10,000	5,400	490	54	51	82	-	<5,000
2/03/93	8.01						J,400	+90					1997
4/23/93	11.42	6.10	5.32			6,400	18,000	540	69	47	120		
7/29/93	11.42	5.48	5.94			4,000	40,000	540 780	69	47 49	120		

1802 Webster Street

					SPH		ua, Camornia						
WELL ID/	TOC*	GWE	ĐTW	SPHT	REMOVED	TPH-D	TPH-G	В	Т	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(fi.)	(fi.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-3 (cont)								·····			······		198.27
10/19/93	11.42	5.10	6.32			1,500	20,000	520	37	43	100		
01/17/94	11.42	4.47	6.95		(1 <u>111</u> 1)	<50	3,900	430	32	29	82		
DESTROYED							-,	100	52	27	02		
B-4													
09/20/91	8.04	1.22	6.82	0.01		1,400	19,000	710	160	650	2,000		
10/09/91	8.04	1.41	6.63		· · · · · · · · · · · · · · · · · · ·						2,000		
10/17/91	8.04	1.20	6.84										10.00
10/23/91	8.04	1.17	6.87						2 <b></b> 7				
11/01/91	8.04	1.34	6.70		-								
11/07/91	8.04	1.31	6.73					1990 P					
11/15/91	8.04	1.21	6.83						): <b></b> -				
11/21/91	8.04	1.20	6.84										
12/12/91	8.04	1.17	6.87	< 0.01					3 <del></del> 7		<u></u>		
12/30/91	8.04	1.58	6.46						11 <u></u> 14				
01/13/92	8.04	2.13	5.91				(122)						
01/22/92	8.04	2.09	5.95										
02/12/92	8.04	2.26	5.78	< 0.01		860	15,000	920	75	520	940		
03/09/92	8.04	2.95	5.09		( <del></del>							72-2	
04/10/92	8.04	2.65	5.39						13 <b></b> 16	222			
05/18/92	8.04	2.45	5.59			<50	19,000	2,000	97	560	1,200		<5,000
01/06/93	8.04	2.54	5.50	Sheen		2,700	19,000	2,000	89	490	740		
02/03/93	8.04												
04/23/93	11.46	6.07	5.39			2,300	5,700	2,400	75	380	580		
07/19/93	11.46	5.33	6.13			2,400	19,000	2,400	140	440	620		
10/19/93	11.46	4.95	6.51	<del></del> .		2,100	13,000	1,200	84	290	530		
01/17/94	11.46	5.28	6.18			<50	11,000	1,900	63	170	290		
DESTROYED											1999 <b>-</b> 200 <b>-</b> 8910		
B-8													
04/23/93	11.99	6.63	5.36	<b>7</b> .70			<50	<0.5	<0.5	<0.5	<1.5		<50
07/19/93	11.99	5.77	6.22	<del></del> )		<50	<50	<0.5	<0.5	<0.5	<1.5		<50
10/19/93	11.99	DRY											
01/07/94	11.99	5.69	6.30	<del>201</del> 8		<50	<50	<0.5	<0.5	<0.5	<0.5		
08/18/94	11.99	5.56	6.43	<u>202</u> 7		<50	<50	<0.5	<0.5	<0.5	<0.5		
11/30/94	11.99	6.53	5.46			120 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5		

1802 Webster Street

					SPH		da, Cantornia						
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	Т	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(fi.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-8 (cont)												······································	
02/15/95	11.99	7.27	4.72			120 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5		
05/01/95	11.99	6.99	5.00			51 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
08/04/95	11.99	6.07	5.92		1 <u>22</u>	<50	<50	<0.5	<0.5	<0.5	<0.5		
11/30/98	11.99	6.45	5.54										
NOT MONITO	RED/SAMP	LED											
B-9													
04/23/93	10.70	6.14	4.56	S <u>1225</u> 3			<50	<0.5	<0.5	<0.5	<1.5		-50
07/19/93	10.70	5.25	5.45			<50	<50	<0.5	<0.5	<0.5	<1.5		<50
10/19/93	10.70	4.81	5.89	(		<50	<50	<0.5	<0.5	<0.5	<0.5		<50
01/07/94	10.70	5.29	5.41			<50	<50	<0.5	<0.5	<0.5		20072-	
08/18/94	10.70	5.15	5.55	-		<50	<50	<0.5	<0.5	<0.5	<0.5		( <b>**</b> )
11/30/94	10.70	6.35	4.35			60 <sup>1</sup>	<50	<0.5	<0.5	<0.5 <0.5	<0.5		1220
02/15/95	10.70	7.05	3.65			<50	<50	<0.5	<0.5 <0.5	<0.5 <0.5	<0.5	1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -	10000
05/01/95	10.70	6.41	4.29			<50	<50	<0.5	<0.5 <0.5		<0.5		81 <del>4.14</del> 8)
08/04/95	10.70	5.50	5.20			< <b>5</b> 0	<50	<0.5	<0.5	<0.5	<0.5		
NOT MONITO						-50	50	~0.5	<0.5	<0.5	<0.5		
TRIP BLANK													
01/06/93			8 <del></del> 65				<50	<0.5	<0.5	< 0.5	< 0.5		· ·
04/23/93	1												
07/19/93				1000								<u>101</u>	
10/19/93			-				<50	<0.5	0.5	<0.5	<0.5	222	
01/17/94	255A						<50	<0.5	<0.5	<0.5	<0.5		
08/18/94						22	<50	<0.5	<0.5	<0.5	<0.5		
11/30/94		1 <u>111</u>					<50	<0.5	<0.5	<0.5	<0.5		
02/15/95							<50	<0.5	<0.5	<0.5	< 0.5	<u></u>	
05/01/95	0.000			2 <b></b> .(		(5 <del>22</del> ))	<50	<0.5	< 0.5	<0.5	<0.5		
08/04/95						1222	<50	<0.5	<0.5	<0.5	<0.5		
11/29/95					54 55 55 18 20 19	20 <del>050</del> 2	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
02/08/96			1.000			21 <del>94</del> 5	<50	<0.5	<0.5	<0.5	<0.5	-2.5	
05/08/96						()===()	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
08/23/96						1. <del>44</del>	<50	<0.5	< 0.5	<0.5	<0.5		
12/12/96						<u></u>	<50	<0.5	< 0.5	<0.5	<0.5	<2.5	

1802 Webster Street

					SPH								
WELL ID/	TOC*	GWE	ĐTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	x	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
TRIP BLANK (	cont)												
02/10/97			3 <del>90</del> 8				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
05/01/97	3 <b></b>						<50	<0.5	<0.5	<0.5	<0.5	<2.5	
08/05/97			3 <u>22</u> 3				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
10/28/97			3 <del>55</del> 2				<50	<0.5	<0.5	<0.5	<0.5	<2.5	Not the st
02/04/98			-				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
02/12/98							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
06/03/98		122					<50	<0.5	<0.5	<0.5	<0.5	<2.5	
07/29/98							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
11/30/98							<50	<0.5	<0.5	<0.5	<0.5	<2.0	
02/24/99		122					<50	<0.5	<0.5	<0.5	<0.5	<2.5	5 <b></b>
05/06/99							<50	<0.5	<0.5	<0.5	<0.5	<5.0	
08/30/99							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
11/17/99							<50	<0.5	<0.5	<0.5	<0.5	<2.5	2 <b></b>
02/21/00							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
05/08/00							<50	<0.50	<0.50	<0.50	<0.50	<2.5	
08/08/00							<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.000
11/01/00							<50	<0.50	<0.50	<0.50	<0.50	<2.5	2 <b>40</b> 2
02/12/01		22					<50	<0.50	<0.50	<0.50	<0.50	<2.5	2 <b>44</b> 2
05/14/01							<50	<0.50	<0.50	<0.50	<0.50	<2.5	
08/13/01							<50	<0.50	<0.50	<0.50	<0.50	<2.5	8 <del>97</del> 8
QA								-0.50	-0.50	-0.50	~0.50	~2.5	
11/12/01							<50	<0.50	<0.50	<0.50	<1.5	<2.5	
02/04/02							<50	<0.50	<0.50	<0.50	<1.5	<2.5	
05/06/02							<50	<0.50	<0.50	<0.50	<1.5	<2.5	
08/29/02				1251			<50	<0.50	<0.50	<0.50	<1.5	<2.5	
11/25/02							<50	<0.50	<0.50	<0.50	<1.5	<2.5	
02/05/03					[		<50	<0.50	<0.50	<0.50	<1.5	<2.5	
05/15/03					<u></u> :	20 <u>00</u> 1	<50	<0.5	<0.5	<0.5	<1.5	<2.5	
08/14/0324						/ <b></b>	<50	<0.5	<0.5	<0.5	<0.5	<2.5 <0.5	
11/13/0324							<50	<0.5	<0.5	<0.5	<0.5	<0.5 <0.5	
02/12/0424	<del></del>						<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/13/0424						-	<50	<0.5	<0.5	<0.5 <0.5	<0.5	<0.5 <0.5	
08/12/0424				122			<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/11/0424					1		<50	<0.5	<0.5	<0.5	<0.5 <0.5	<0.5 <0.5	7 <del>88</del> 560
02/10/05 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5 <0.5	<0.5 <0.5	
								-0.5	-0.5	-0.5	-0.5	~0.5	1.000

1802 Webster Street

					SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	x	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
QA (cont)									1000		4.8	<b></b>	
05/12/0524		1					<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/11/0524							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/10/05 <sup>24</sup>						1	<50	0.6 <sup>30</sup>	<0.5	<0.5	<0.5	<0.5	
02/09/0624			3. <del>777</del> .2				<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/11/0624	1 <del></del> 5		-				<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/10/0624		( <b></b> )					<50	<0.5	<0.5	<0.5	<0.5	<0.5	220
11/09/0624				0.0000			<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/08/0724		19 <del>10.0</del> 8					<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/10/0724							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/08/0724							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/07/07 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/13/0824	1000		: <del></del> :				<50	<0.5	<0.5	<0.5	<0.5	<0.5	(
05/14/08 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/13/08 <sup>24</sup>					-		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/12/0824		1.000	1.00	1			<50	<0.5	<0.5	<0.5	<0.5	<0.5	

#### **EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to May 8, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing	TPH-D = Total Petroleum Hydrocarbons as Diesel	MTBE = Methyl tertiary butyl ether
$(\mathbf{ft.}) = \mathbf{Feet}$	TPH-G = Total Petroleum Hydrocarbons as Gasoline	TOG = Total Oil and Grease
GWE = Groundwater Elevation	B = Benzene	$(\mu g/L) = Micrograms per liter$
(msl) = Mean sea level	T = Toluene	= Not Measured/Not Analyzed
DTW = Depth to Water	E = Ethylbenzene	NP = No Purge
SPHT = Separate Phase Hydrocarbon Thickness	X = Xylenes	QA = Quality Assurance/Trip Blank

\* TOC elevations were surveyed on September 26, 2002, by Virgil Chavez Land Surveying. The benchmark for this survey was a brass disk in a monument well at the mid return of the northwest corner of Webster St. and Buena Vista Ave., (Benchmark Elevation = 11.09 feet NGVD 29).

- \*\* GWE has been corrected due to the presence of SPH; correction factor: [(TOC DTW) + (SPHT x 0.80)].
- <sup>1</sup> Chromatogram pattern indicates a non-diesel mix.
- <sup>2</sup> Analytical values are in parts per million (ppm).
- <sup>3</sup> Chromatogram pattern indicates an unidentified hydrocarbon.
- <sup>4</sup> Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
- <sup>5</sup> EPA Method 8240.
- <sup>6</sup> Confirmation run.
- <sup>7</sup> Hydrocarbon pattern appears to be weathered.
- <sup>8</sup> Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons >C10.
- <sup>9</sup> Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.
- <sup>10</sup> Laboratory report indicates gasoline C6-C12.
- <sup>11</sup> Laboratory report indicates unidentified hydrocarbons C9-C24.
- <sup>12</sup> Laboratory report indicates unidentified hydrocarbons >C16.
- <sup>13</sup> Laboratory report indicates unidentified hydrocarbons <C16.
- <sup>14</sup> Laboratory report indicates unidentified hydrocarbons C9-C40.
- <sup>15</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.
- <sup>16</sup> Well obstructed by roots.
- <sup>17</sup> Laboratory report indicates TPH-G, B, T, E, X and MTBE was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.
- <sup>18</sup> Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.
- <sup>19</sup> Laboratory report indicates sample was run past holding time.
- <sup>20</sup> Obstruction in well at 11.46 feet.
- <sup>21</sup> Well development performed.

#### EXPLANATIONS: (cont)

- <sup>22</sup> Laboratory report indicates the analysis was performed from a previously opened vial and the results are therefore estimated.
- <sup>23</sup> TPH-D with silica gel cleanup.
- <sup>24</sup> BTEX and MTBE by EPA Method 8260.
- <sup>25</sup> TOC has been altered due to well repair. Unable to determine an accurate GWE.
- <sup>26</sup> Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- <sup>27</sup> Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
- Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel.
- <sup>29</sup> Analysis by EPA Method 8260.
- <sup>30</sup> Laboratory confirmed analytical result.
- Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, an additional pattern which elutes later in the DRO range and individual peaks eluting in the DRO range.
- <sup>32</sup> Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

## Table 2Groundwater Analytical ResultsChevron Service Station #9-0290

1802 Webster Street Alameda, California

						Alameda, (							
			Ferrous	Nitrate as		EPA	EPA						Motor
WELL ID/	Ethanol	Alkalinity	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zinc	Oil
DATE	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-1										202			
08/30/99													68,400
08/14/03	<50							10.4490.4					
11/13/03	<50												
02/12/04	<50	s <b></b> s											
05/13/04	<50												
08/12/04	<50												
11/11/04	<50												
02/10/05	<50				-						1000		
05/12/05	<50								<del>1833</del> )				
08/11/05	<50							2. <del></del> 1					
11/10/05	<50							6 <b>111</b> 1				÷+.	<del></del>
02/09/06	<50				1 <del>990</del> 1990	3 <b></b>				100.73		3 <del>88</del> 0	
05/11/06	<50							1.000	<del></del> )			( <del>22</del> )	
08/10/06	<50			**		-	8 <del></del> .)	1. <b></b>	<del></del> /				(
11/09/06	<50	1 <del></del> .)	50 <b>7-5</b> 6						<b>11</b>			( <del>111</del> )	-
02/08/07	<50	2 <b></b> 0							5.000 C				
05/10/07		1 <del></del> 1					it sets	2. <del></del> 0					
08/08/07	< <b>5</b> 0			( <del>1</del> 171)									
	<50	( <b></b> )		<del></del>					8 <u>242</u> 8				
11/07/07	<50			<b></b> )					20000	<del>0.5</del> 1			
02/13/08	<50												
05/14/08	<50			<b>2</b> 2				1. <b></b> 1.	() <del></del> )				
08/13/08	<50						122					'	( <b></b> )
1/12/08	<50	3 <b></b> 31	( <del></del>	-	<del></del>		-			-	-	-	3 <u></u> -3
B-1													
7/29/98		930,000	2,000	13,000	280,000				2 <del></del> 2				8 <b></b> -2
08/14/03	<50								·			<del></del>	
1/13/03	<50		1000	20 <del>00</del>									1997.
)2/12/04	<50	1. <del></del>	1. <del>1</del>					9 <u>-10</u> -0					
)5/13/04	<50			( <b>122</b> )	<u>22</u> )			8.000	3 <del>70</del> 3	2. <b></b> 2			
)8/12/04	<50											1000	
1/11/04	<50	1	1000									2-	
2/10/05	<50		9 <del>855</del> 80	3. <b></b> .2		24(24)			-				
5/12/05	<50		5 <del>4.4</del> 0										

## Table 2Groundwater Analytical ResultsChevron Service Station #9-02901802 Webster Street

			· · · · · · · · · · · · · · · · · · ·			Alameda,	The subscription of the su						
			Ferrous	Nitrate as		EPA	EPA						Motor
WELL ID/	Ethanol	Alkalinity	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zinc	Oil
DATE	(µg/L)	(µg/L)	(µg/L)	(µg/L)	$(\mu g/L)$	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-1 (cont)											843 - 54600-		<u> </u>
08/11/05	<50												
11/10/05	<50	122						1789 					
02/09/06	<50	1000		2 <b></b>									
05/11/06	<50											and the second	
08/10/06	<50				100								
11/09/06	<50	-			0.000 1.000								
02/08/07	<50												0.0
05/10/07	<50						1000					15.51 	
08/08/07	<50				·								
11/07/07	<50		10001 5 <b></b>		5.0000 5. <b></b>				-				
02/13/08	<50												
05/14/08	<50					<u>(22)</u>						<del>,510,</del>	
08/13/08	<50	200	144										
11/12/08	<50							-	_				
													-
B-5													
07/29/98		280,000	1,100	<1,000	7,000								
08/14/03	<1,000					<u></u> )	1000			-			
11/13/03	<250												
02/12/04	<500					·						1023	
05/13/04	<100					0 <b>==</b> 0							
08/12/04	<50				1000								5000 C
11/11/04	<50												
02/10/05	<50									-			
05/12/05	<50				1,222	1441							
08/11/05	<50												
11/10/05	<50		<u></u>										
02/09/06	<50												
05/11/06	<50				( <b>**</b> )								5.57V
08/10/06	<50												
11/09/06	<50	<u></u>										(1997)	
02/08/07	<50												
)5/10/07	<50											S	
08/08/07	<50						-			0.55			
						22550	111-12	<del>777</del> 0					

1802 Webster Street Alameda, California

						Alameda, (	California						
			Ferrous	Nitrate as		EPA	EPA						Motor
WELL ID/	Ethanol	Alkalinity	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zinc	Oil
DATE	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-5 (cont)											5 18-5		
11/07/07	<50			(1112)S				2_					
02/13/08	<50												
05/14/08	<50										( <b></b> )		
08/13/08	<50						22						
11/12/08	<50		-	-	-	<del></del>	-	2-537 1					-
B-6													
08/14/03	<2,500		0202										
11/13/03	<1,000										3 <b></b>		
02/12/04	<2,000												
05/13/04	<250										9. <del>500</del> .8	<del>,</del> .	
08/12/04	<250						100		3 <del>71 7</del>		( <b></b> )		22
11/11/04	<1,000					7. <b></b> .					17 <b></b> 17		
02/10/05	<1,000	<b></b>											
05/12/05	<1,000									1000			
08/11/05	<1,000						0.00					5 <b></b>	
11/10/05	<500		<del></del>			3. <b></b> 5							
02/09/06	<250	<del></del>											
05/11/06	<50								1.22	2000			
08/10/06	<250											( <b></b> )	
11/09/06	<50			- <del>55</del>	1 <del></del> .1					1.20	: <del>••</del>		
02/08/07		<del></del>									3 <b>777</b> 33	0.000	
	<50										13 <b></b> 18		
05/10/07	<50				1210	85 <b>5 5</b> 92	<del></del>						
08/08/07	<50	<del></del> .			2	(***)					)	( <u>44</u> )	0.000
11/07/07	<50								<del></del> )		9 <del></del> 5		
02/13/08	<50	3 <b></b>											
05/14/08	<50				1000	1.55	1. <del></del> .				3 <b>44</b>		
08/13/08	<50	<del></del>			8 <del></del>								
11/12/08	<50	0				20 <u></u> 32		-		7.5	3	-	-

1802 Webster Street Alameda California

WELL ID/			Ferrous	Nitrate as		· · · · · · · · · · · · · · · · · · ·							
						EPA	EPA						Motor
and a state of the second s	**************************	Alkalinity	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zinc	Oil
DATE	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
<b>B-7</b>													
08/14/03	<50				<u>112</u>								
11/13/03	SAMPLED SEM	I-ANNUALLY		() <b></b> -	-	2_							
02/12/04	<50												
08/12/04	<50											570 <u>7</u> 3	
02/10/05	<50			20 <b>414</b> 18									
08/11/05	<50												
02/09/06	<50												
05/11/06	SAMPLED SEM	II-ANNUALLY					<u></u>				2. <del>2.</del> 2		
08/10/06	<50					222							
02/08/07	<50												
05/10/07	<50	5.255 277	-										
08/08/07	<50						22						
02/13/08	<50					( <del></del>	<u> </u>		2 <b></b>				
08/13/08	<50					2 <del>78</del> 2	<del></del>						
												1774	
B-10													
07/29/98		630,000	740	34,000	16,000	S				<u>1111</u>	8. <u>212</u> .8		
08/14/03	<50								122		-		
11/13/03	<50									200			
02/12/04	<50										2 <b></b> 2		
05/13/04	<50		-	6775		5 <b></b> 8							
08/12/04	<50	<del></del> .				( <del></del> )					A <b>rtan</b> ak		
11/11/04	<50	:								: <del></del>			
02/10/05	<50										1	3 <u></u> 3	
)5/12/05	<50		12.14	1 <del></del>	5 <b>.0</b> 7							(. <del></del> )	
08/11/05	<50	<del></del> .											
1/10/05	<50				122							( <b></b> )	
2/09/06	<50	1972 AL	<u></u>				0.000				3 <b></b>		
05/11/06	<50	C <del>ar</del>	12.5.5	1 <del></del>	1 <del></del>						-		
08/10/06	<50	8 <del></del>										( <b></b> )	
1/09/06	<50							1.00					
)2/08/07	<50		<u></u> )		-	3.00	() <del></del> ()						
)5/10/07	<50												
8/08/07	<50	1.000										<del></del> ()	

### 1802 Webster Street

						Alameda, (	California						
			Ferrous	Nitrate as		EPA	EPA			· · · · · · · · · · · · · · · · · · ·			Motor
WELL ID/	Ethanol	Alkalinity	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zinc	Oil
DATE	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-10 (cont)										2 - Sho-			
11/07/07	<50					1000							
02/13/08	<50											1000	
05/14/08	<50						122						
08/13/08	<50										10.00	2000	
11/12/08	<50		-		H	-		-	-	-	-	-	
B-11													
07/29/98		460,000	1,100	33,000	18,000								
08/14/03	<5,000		-,									0-0-0-0	
11/13/03	<1,000											1000	( <del>77</del> ))
02/12/04	<2,500									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
05/13/04	<1,300									1. <b></b>	**		
08/12/04	<1,000									5 <b></b>			
11/11/04	<1,000							-			10.3	0.00	
02/10/05	<2,500								15-3752	3 <del>88</del> 6			
05/12/05	<2,500										<b></b> )		
08/11/05	<2,500			5. <b></b> '5									200
11/10/05	<50												
02/09/06	<250												
05/11/06	<500									1			-
08/10/06	<2,500									1.0		513	
11/09/06	<250				<u> 200</u>						1.0-12 1.0-12		
02/08/07	<1,000	122					Takin (			0.000	(1 <b>444</b> 7) 1944 - 1		
05/10/07	<500				545450 57 <b></b> 5	-				1993 (1993) 1993 (1993)			
08/08/07	<2,500												
11/07/07	<50				57 <u>111</u> 10					15 <b>98</b> 20	2.00		
02/13/08	<250												
05/14/08	<1,000				6.77764 2. <b>117</b> 44								
08/13/08	<500												
11/12/08	<50												
	~ ~					1.000					-		

1802 Webster Street Alameda California

	Alameda, California												
			Ferrous	Nitrate as		EPA	EPA						Motor
WELL ID/	Ethanol	Alkalinity	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zinc	Oil
DATE	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-12										Star Star		<u></u>	···· ··· ··· ··· ··· ··· ··· ··· ··· ·
07/29/98		700,000	450	<1,000	27,000		-						
05/06/99	1			-1,000		<5.0-<10	<10-<50	 <10	86.7				
08/14/03	<50						-1050			<75	143	185	
11/13/03	<50	1. <b></b>							10 <u></u> 0				
02/12/04	<50								2. <del>5.5</del> 5)				
05/13/04	<50												
08/12/04	<50								1 <b>22</b> 3				
11/11/04	<50								( <b></b> )		63.7	1000	
02/10/05	<50						500 <sup>-0</sup>						
05/12/05	<50						1.000				-		
08/11/05	<50				<del>874</del> )			0 <b>414</b> 16 2005 0	5 <b></b> -	-		6 <u>0</u> 11.040	10 <b>-17</b> -18
11/10/05	<50									<b>7.5</b> 0			. <b></b> .:
02/09/06	<50						1000	2 <del>00</del> 8	(1 <del></del> )				5 <b>44</b> 8
05/11/06	<50	872.5672											
08/10/06	<50								() <del></del> -(		tore of	-	2 <del></del> .2
11/09/06	<50				9000				(1-7,54)		<del>6.5</del>		
02/08/07	<50							8 <del>777</del> 33	S <del></del> 3	<del></del> .			3 <b></b> 7
05/10/07	<50												
08/08/07	<50									0			
11/07/07	<50								Sec. 2	2 <del>00.0</del> 2			
02/13/08	<50												8.52
05/14/08	<50	1000 1 <b></b>							19 <b>44</b> 5				3. 128 <b>-</b>
08/13/08	<50												
11/12/08	<50								3. <del></del>	( <del></del> )			
11/12/00	-50		-	1000	-					3 <b></b>	<u></u>		
D 40													
B-13			<b>A</b> 15										
07/29/98		290,000	240	5,600	17,000						<del></del>		
08/14/03	<50									1000	<b></b>		
11/13/03	<50		040	3 <b>- 3</b> - 3					0.000				
02/12/04	<50					<del></del>	( <del>77</del> )				-		
05/13/04	<50		1000		(. <del></del> )								
08/12/04	<50							(			0.000		
11/11/04 02/10/05	<50												
07/10/05	<50												

# Table 2Groundwater Analytical ResultsChevron Service Station #9-02901802 Webster Street

						Alameda, (	California	-					
WELL ID/	Ethanol	A 101 - 10 - 14	Ferrous	Nitrate as		EPA	EPA						Motor
DATE	Linanoi (µg/L)	Alkalinity (µg/L)	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zine	Oil
2.22	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-13 (cont)													
05/12/05	<50						: <del></del> .						
08/11/05	<50				277	10 <del>00</del>							
11/10/05	<50		<del></del> :			( <b>**</b> *)							
02/09/06	<50												
05/11/06	<50					0							227
08/10/06	<50		- <b>1</b> -1										
11/09/06	<50					6 <b></b> -8	0.221						
02/08/07	<50											3 <b></b> 5	
05/10/07	<50	( <del></del>				0.000	(						
08/08/07	<50		<del></del>				-					-	
11/07/07	<50	()==)							-				
02/13/08	<50	1.44											
05/14/08	<50		571										2000
08/13/08	<50								22				
11/12/08	<50			1.2.21	-		-						
B-14													
05/13/04	<100		<b>22</b> )	<u></u>		( <del></del> )		2555					-
08/12/04	<50					1970	( <b></b> )				1000		(1 <u>227</u> )
11/11/04	<50		<del></del>				-			-			
02/10/05	<100						-						
05/12/05	<50	0 <b>22</b> 0	<u></u> 2					1. <b></b>					() <del></del>
08/11/05	<50			(1975)		1.777	-	1) <b></b> -					
11/10/05	<50		<b></b>					·					
02/09/06	<50												
05/11/06	<50								<del></del>				
08/10/06	<50						9 <del>00</del> 0					1 <u>212</u> 11	
11/09/06	<50	11 <del>17-11</del> 1					( <b>111</b> )		<u></u>				54795 
02/08/07	<50												
05/10/07	<50	3 <b></b> -3						1.000 A					
08/08/07	<50		( <del></del>										-
11/07/07	<50	2 <del></del>	(					( <u>111</u> )			-	695 	2 <u>77</u> 24]
02/13/08	<50												
										8224		1000	

## Table 2 Groundwater Analytical Results Chevron Service Station #9-0290 1802 Webster Street

Alameda	California

						Alameda, C							
			Ferrous	Nitrate as		EPA	EPA						Motor
WELL ID/	Ethanol	Alkalinity	Iron	Nitrate	Sulfate	8010B	8270B	Cadmium	Chromium	Lead	Nickel	Zine	Oil
DATE	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-14 (cont)										2.0		- And - And	
05/14/08	<50												
08/13/08	<50												
11/12/08	<50		-	-	-	-			-	-	1.000		-
B-15													
05/13/04	<50							227					
08/12/04	<50				0 <u>44</u> 0								
1 1/1 1/04	<50												000
02/10/05	<50												
05/12/05	<50												
08/11/05	<50												
11/10/05	<50									¥			100
02/09/06	<50												
05/11/06	<50	8 <b></b>											
08/10/06	<50	10 <b></b> 2											
11/09/06	<50												
02/08/07	<50												
05/10/07	<50												
08/08/07	<50												
11/07/07	<50												
02/13/08	<50												
05/14/08	<50												
08/13/08	<50												
11/12/08	<50												

#### **EXPLANATIONS:**

Groundwater laboratory analytical results prior to August 14, 2003, were compiled from reports prepared by Blaine Tech Services, Inc.

 $(\mu g/L) =$  Micrograms per liter

-- = Not Analyzed

#### STANDARD OPERATING PROCEDURE -GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hills, California.



Client/Facility#:	Chevron #9-0290		Job Number:	385280		
Site Address:	1802 Webster Str	eet	Event Date:	11-13	2-08	— (inclusive)
City:	Alameda, CA		Sampler:	Jue		-
Well ID	A-1		Date Monitored:	11-12-	-08	
Well Diameter	<b>6</b> in.	Ve	olume 3/4"= 0.0		2"= 0.17 3"= 0.3	
Total Depth	11.15 ft.		ictor (VF) 4"= 0.6		6"= 1.50 12"= 5.8	
Depth to Water		Check if water col			Volume: 27	aal.
Depth to Water w	/ 80% Recharge [(Heigh		<b>A</b> .	3		
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:		Sampling Equipme Disposable Bailer Pressure Bailer Discrete Bailer Peristaltic Pump QED Bladder Pump Other:	nt:	Time Start Time Com Depth to F Depth to V Hydrocarb Visual Cor Skimmer / Amt Remo Water Remo	pleted: Product: on Thickness: firmation/Description Absorbant Sock (cirr ved from Skimmer: ved from Well:	ft ft ft cle one) gal
Start Time (purge) Sample Time/Dat Approx. Flow Rate Did well de-water Time (2400 hr.) 67/5	e: 0745 / 7/-/ e: 1-2 gpm.	12. 38 Water Col	Description: plume:	Ddor: DTW @ S		<u>.</u>
<u> </u>		_				

	LABORATORY INFORMATION										
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES						
A-1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)						
*	2×500ml ambers	YES	NP	LANCASTER	TPH-D (8015)						

#### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced	Plug:	
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Add/Replaced Bolt: \_\_\_\_\_



Client/Facility#:	Chevron #9	-0290	Job	Number:	385280			
Site Address:	1802 Webst	ter Street	Eve	nt Date:	11-1'	2-88	7	(inclusive)
City:	Alameda, C	Α	San	npler:	Joe			
Well ID	B-		Date M	lonitored:	11-17	2-08		
Well Diameter	2	in.	Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38	]
Total Depth	16.10	 ft.	Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80	l
Depth to Water	6.11	it. 🚺 Check if wat	ter column is les	s then 0.50 f	 ft.			1
	9,99	xvf	<u>1.70</u> x3 ca	se volume = E	stimated Purg	je Volume:	5.5	gal.
Depth to Water v	/ 80% Recharg	E [(Height of Water Colum	n x 0.20) + DTW]:	8.10	-			
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:		Sampling Eq Disposable Ba Pressure Baile Discrete Baile Peristaltic Pur QED Bladder Other:	ailer er r np Pump		Depth to Depth to Hydrocaa Visual Co Skimmer Amt Rem Amt Rem Water Re	mpleted: Product: Water: rbon Thickne onfirmation/E / Absorbant noved from S noved from V	ess: Description: Sock (circle Skimmer: Vell:	ft ft ft ft gal gal
Start Time (purge)			ther Condition		lordy			
Sample Time/Dat			er Color:		Odor: 🕅	N		<u></u>
Approx. Flow Rat			ment Descripti					
Did well de-water	? I	f yes, Time:	Volume:	ga	al. DTW @	Sampling	: <u> </u>	2
Time (2400 hr.)	Volume (gal.)	pH Conduc (µmhos/cn		Perature	D.O. (mg/L)		ORP (mV)	
0810 0815 0822	1.5 3.5 5.7	7,17 70 6.90 67 6.84 67	$ \frac{4}{3} - \frac{10}{1} $	6.4				
			ORY INFORM					
		LABUKAI	UKT INFURI					

SAMPLE	ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
В-		🖌 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)
		x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)
		7 x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)
	_					

#### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_

Add/Replaced Bolt: \_\_\_\_\_

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Client/Facility#:	Chevron #9-0290		Job Number:	385280	
Site Address:	1802 Webster Stre	et	Event Date:	11-12-00	び名 (inclusive)
City:	Alameda, CA		Sampler:	For	
					7
Well ID	<u> </u>		Date Monitored:	11-12-08	/
Well Diameter	2 in.	Volu		2 1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	<u>18 15 ft.</u>	Fact	tor (VF) 4"= 0.66	5 5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	<u>4.78 tt.</u>		mn is less then 0.50		
				Estimated Purge Volume:_	<u>7</u> gal.
Depth to Water w	v/ 80% Recharge [(Height	of Water Column x 0.20	) + DTW]: <u>7-45</u>	-	
<b>.</b>				Time Started: Time Completed:	
Purge Equipment:		Sampling Equipment		Depth to Product:	
Disposable Bailer Stainless Steel Bailer		Disposable Bailer Pressure Bailer	<u>~</u>	Depth to Water:	ft
Stack Pump		Discrete Bailer	<b>E</b>	Hydrocarbon Thickn Visual Confirmation/	
Suction Pump		Peristaltic Pump	<u> </u>		Description.
Grundfos		QED Bladder Pump		Skimmer / Absorbar	
Peristaltic Pump		Other:		Amt Removed from	Skimmer:gal Well:gal
QED Bladder Pump					vvciigai
Other:				Product Transferred	
Start Time (purge	: 1342	, Weather Co	onditions:	lear.	
Sample Time/Dat	e: 1412/11-12		r: clear	Odor: Y IN	
Approx. Flow Rat		Sediment D			
Did well de-water				al. DTW @ Samplin	19: 5.16
					· ·····
Time (2400 hr.)	Volume (gal.) pH	Conductivity (µmhos/cm	Temperature	D.O. (mg/L)	ORP (mV)
1350	2.5 6.8	3 604	16.9		
1358	5 6:79	2 596	17.2		
1405_	-7-6-6	3 _110_	17.4		
<u> </u>	·	- <u> </u>		·····	

		L	<b>ABORATORY IN</b>	FORMATION	
SAMPLE ID	(#) ONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
в- 5	🖌 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)
	x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)

#### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced	Plug:	
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Add/Replaced Bolt: \_\_\_\_\_



Client/Facility#:	Chevron #9-0290	Job Number:	385280	
Site Address:	1802 Webster Street	Event Date:	11-12-08	– (inclusive)
City:	Alameda, CA	Sampler:	Tre	- · ·
Well ID Well Diameter Total Depth Depth to Water Depth to Water w Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump	18.25 ft.	.20) + DTW]: 8.25	11-12-08         1"= 0.04       2"= 0.17       3"= 0.3         5"= 1.02       6"= 1.50       12"= 5.8         t.       stimated Purge Volume:       6-5         Time Started:	0 gal. (2400 hrs) (2400 hrs) ft ft ft
Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:	Peristaltic Pump QED Bladder Pump Other:		Skimmer / Absorbant Sock (circ Amt Removed from Skimmer: Amt Removed from Well: Water Removed: Product Transferred to:	cle one) gal gal
Start Time (purge) Sample Time/Date Approx. Flow Rate Did well de-water	e: <u>//25 / //-/2</u> إ Water Co e:gpm. Sedimen	t Description:	[√dy Ddor: ∅i N al. DTW @ Sampling: <u>6.3</u>	. 3
Time (2400 hr.) 1/08 1/14 1/28	Volume (gal.) pH Conductivity $(\mu mhos/cm - \mu s)$ 4 $6.93$ $6987.006.5$ $6.94$ $7.007.16$	$ \begin{array}{c} \text{Temperature} \\ \text{F} & \text{F} \\ \hline                                   $	D.O. ORP (mg/L) (mV)	

		L	ABORATORY IN	FORMATION	
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B- 6	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)
	6 x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)
······································	2 x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)

#### COMMENTS:



Client/Facility#:	Chevron #9-	0290		Job	Number:	385280		
Site Address:	1802 Webste	er Street		Eve	nt Date:	11-12-	08	(inclusive)
City:	Alameda, CA	۱		San	pler:			
Well ID	в-7			Date M	onitored:	11-12-	01	
Well Diameter	<b>2</b> in			Volume	3/4"= 0.0		2"= 0.17 3"= 0.38	ר ר
Total Depth	13.25 ft.	-		Factor (VF)	3/4 = 0.0 4"= 0.6		"= 1.50 12"= 5.80	
Depth to Water	4.85 ft.		Check if water	column is les	s then 0.50	) ft.		1
•							olume:	gal.
Depth to Water	w/ 80% Recharge	: [(Height of \	Water Column x	0.20) + DTW]:		-		
Duran Frankraut						Time Starter	d: eted:	(2400 hrs) (2400 hrs)
Purge Equipment:			ampling Equip				duct:	
Disposable Bailer			isposable Baile	r			iter:	ft
Stainless Steel Baile	er		ressure Bailer				h Thickness:	ft
Stack Pump Suction Pump		_	iscrete Bailer			Visual Confi	rmation/Description:	
Grundfos	<u></u>		eristaltic Pump ED Bladder Pu			Skimmer / A	bsorbant Sock (circle	e one)
Peristaltic Pump			ther:			Amt Remove	ed from Skimmer:	gal
QED Bladder Pump		Ŭ				Amt Remove	ed from Well:	gal
Other:						Product Tran	sferred to:	
Sample Time/Da Approx. Flow Ra Did well de-wate Time (2400 hr.)	ite:	gpm. yes, Time pH	Water	ent Descripti Volume:	on:	Odor: Y / N gal. DTW @ Sa D.O. (mg/L)	ampling: ORP (mV)	·····
	/							
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV.		DRATORY		ANALYSES	
B-	x voa vial	YES	HCL		CASTER	TPH-G(8015)/BTE ETHANOL (8260)		
	x voa vial	YES	HCL	LAN	CASTER	MTBE(8021)/ETH	NOL(8260)	
	x 500ml ambers	YES	NP			TPH-D (8015)		
	14							
			<b> </b>					
COMMENTS:	MA - ON	1					·····	15
						· · · · · · · · · · · · · · · · · · ·		

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 Add/Replaced Lock:
 \_\_\_\_\_\_
 Add/Replaced Plug:
 \_\_\_\_\_\_

 Add/Replaced Dig:
 \_\_\_\_\_\_
 Add/Replaced Bolt:
 \_\_\_\_\_\_



Client/Facility#:	Chevron #9-0290		Job Number:	385280	
Site Address:	1802 Webster Stree	t	Event Date:	11-12-08	- (inclusive)
City:	Alameda, CA		Sampler:	Joe	,
					_
Well ID	в- (О	C	Date Monitored:	11-12-08	_
Well Diameter	<u>2</u> in.	Volum	e 3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.3	8
Total Depth	<u>16.24 ft.</u>	Factor	<u> </u>	5"= 1.02 6"= 1.50 12"= 5.8	D
Depth to Water		Check if water colum			-
			At	Estimated Purge Volume:	gal.
Depth to water v	v/ 80% Recharge [(Height of	Water Column x 0.20) 4	DIW]: <u>/ · / 6</u>	Time Started:	(2400 hrs)
Purge Equipment:		Sampling Equipment:		Time Completed:	(2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Product: Depth to Water:	ft ft f
Stainless Steel Bailer		Pressure Bailer		Hydrocarbon Thickness:	TT ft
Stack Pump	هالشال منتخب الانتقاص بيكفاك فالتعار	Discrete Bailer		Visual Confirmation/Description	:
Suction Pump Grundfos		Peristaltic Pump		Skimmer / Absorbant Sock (circ	le one)
Peristaltic Pump		QED Bladder Pump Other:		Amt Removed from Skimmer:	gal
QED Bladder Pump	·	Stilet	· · · · · · · · · · · · · · · · · · ·	Amt Removed from Well: Water Removed:	gal
Other:	·····			Product Transferred to:	
Start Time (purge		→ Weather Cor	nditions; 🦉	lear	-
Sample Time/Dat	e: 10451/1-12.	01 Water Color:	clear "	Odor: Y / N	
Approx. Flow Rat	e: gpm.	Sediment De	scription:		
Did well de-water	? if yes, Time	e: Volur	ne: ga	al. DTW @ Sampling: 6. 4	+3
Time	Volume (gal.) pH	Conductivity	Temperature	D.O. ORP	
(2400 hr.)		(µmhos/cm - 10)	( <b>C</b> /F)	(mg/L) (mV)	
10730	1.5 7.26	784	_16.3 _		
1030	-> 7.36	167	-16-8 -		
10.76	<u>-&gt;i&gt; 137</u>	113	10.6 -		
	·····			影	

					L	<b>ABORATORY IN</b>	FORMATION		
SAMPLE ID		(#	(#) CONTAINER		REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES	
B-	10		Ø	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)	
				x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)	
		R	x 500	ml ambers)	YES	NP	LANCASTER	TPH-D (8015)	
								· · · · · · · · · · · · · · · · · · ·	

#### COMMENTS:



Client/Facility#:	Chevron #9-0290	Job Number:	385280	
Site Address:	1802 Webster Street	Event Date:	11-12-08	(inclusive)
City:	Alameda, CA	Sampler:	Soe	
Well ID	в-//	Date Monitored:	11-12-08	
Well Diameter	<b>2</b> in.	Volume 3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.38	, ,
Total Depth	15.50 ft.	Factor (VF) 4"= 0.66	5"= 1.02 6"= 1.50 12"= 5.80	
Depth to Water		column is less then 0.50 ft.		
Depth to Water v	$\sqrt{80\%}$ Recharge [(Height of Water Column)	.62 x3 case volume = Es (0.20) + DTW]: <u>7.36</u>	timated Purge Volume:	_gal(2400 hrs)
Purge Equipment:	Sampling Equi	oment:	Time Completed: Depth to Product:	(2400 hrs)
Disposable Bailer	Disposable Baile	er 🖌	Depth to Water:	ftft
Stainless Steel Bailer		·····	Hydrocarbon Thickness:	<del>Ø</del> ft
Stack Pump Suction Pump	Discrete Bailer		Visual Confirmation/Description:	-
Grundfos	Peristaltic Pump QED Bladder Pu	General Concernance of Concernance o	Skimmer / Absorbant Sock (circle	e one)
Peristaltic Pump	Other:		Amt Removed from Skimmer:	
QED Bladder Pump			Amt Removed from Well: Water Removed:	gal
Other:			Product Transferred to:	
Start Time <u>(</u> purge Sample Time/Dat Approx. Flow Rat Did well de-water	e:	Color: <u>(eec</u> 0 ent Description:	eey dor V/ N . DTW @ Sampling: _6.0	
Time (2400 hr.) 13/2 13/6 1320	Volume (gal.) pH Conductive ( $\mu$ mhos/cm - (		D.O. ORP (mg/L) (mV)	

		L	ABORATORY IN	FORMATION	
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
В- ()	🖉 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)
	x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)
	Vx 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)
				· · · · · · · · · · · · · · · · · · ·	
4					



Client/Facility#:	Chevron #9-029	0	Job Number	: <b>385280</b>		
Site Address:	1802 Webster St	reet	Event Date:	11-12	-08	- (inclusive)
City:	Alameda, CA		Sampler:	5		- · · ·
Well ID	B-12		Date Monitored	: 11-12	-08	
Well Diameter	<b>2</b> in.	<u>[</u>	Volume 3/4"= 0	.02 1"= 0.04	2"= 0.17 3"= 0.3	8
Total Depth	<u>15.02 ft.</u>		Factor (VF) 4"= 0	.66 5"= 1.02	6"= 1.50 12"= 5.8	0
Depth to Water	<u>5.48 ft.</u>		olumn is less then 0.		6	_
		0.17 = 1.6		-	Volume:	_ gal.
Depth to Water v	v/ 80% Recharge [(Hei	ght of Water Column x 0	.20) + DTW]:	Time Starte	ad:	(2400 hrs)
Purge Equipment:		Sampling Equipm	ent:	Time Com		(2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Pr		ft
Stainless Steel Bailer		Pressure Bailer		Depth to W	ater:	<del>a</del> t
Stack Pump		Discrete Bailer			firmation/Description	: "
Suction Pump	<u></u>	Peristaltic Pump				
Grundfos		QED Bladder Pum			Absorbant Sock (circ ved from Skimmer:	
Peristaltic Pump	<u></u>	Other:		Amt Remov	/ed from Well:	
QED Bladder Pump Other:	<u></u>			Water Rem	oved: insferred to:	·····
<u></u>				FIODUCE ITA		
Start Time (purge)			Conditions:	cloudy	<u></u>	
Sample Time/Dat		エーン & Water C				
Approx. Flow Rat			t Description:			
Did well de-water	? If yes,	Time: \	/olume:	gal. DTW @ S	Sampling: 5.2	1/
Time (2400 hr.)	Volume (gal.) pł	(μmnos/cm - μ		D.O. (mg/L)	ORP (mV)	
1232	1.5 6.	59 682	- 16.7			
1238	3 6.	62 1080	17.4			
1243	S le.	65 681	- 17.0			
<u> </u>					·····	

		L	ABORATORY IN	FORMATION	2
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
B- 12	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)
	x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)
	₩ 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)



Client/Facility#:	Chevron #9-0290		Job Number:	385280	
Site Address:	1802 Webster Stree	et	Event Date:	11-12-08	— (inclusive)
City:	Alameda, CA		Sampler:	Jue	
			• •		
Well ID	<u> </u>	ſ	Date Monitored:	11-12.06	_
Well Diameter	<u>2 in.</u>	Volum	ne 3/4"= 0.02	1"= 0.04 2"= 0.17 3"= 0.1	38
Total Depth	<u>13,85 ft.</u>		r (VF) 4"= 0.66	5"= 1.02 6"= 1.50 12"= 5.8	30
Depth to Water		Check if water colum			
Depth to Water w	<u> </u>			stimated Purge Volume: 4.	gal.
Deptille Valer			+ DIW]	Time Started:	(2400 hrs)
Purge Equipment:	/	Sampling Equipment:		Time Completed:	
Disposable Bailer		Disposable Bailer		Depth to Product: Depth to Water:	
Stainless Steel Bailer		Pressure Bailer		Hydrocarbon Thickness:	n ft
Stack Pump Suction Pump		Discrete Bailer		Visual Confirmation/Descriptio	n: 🗸
Grundfos	·	Peristaltic Pump QED Bladder Pump		Skimmer / Absorbant Sock (cir	cle one)
Peristaltic Pump		Other:		Amt Removed from Skimmer:	
QED Bladder Pump				Amt Removed from Well: Water Removed:	gai
Other:				Product Transferred to:	
Start Time (purge)		Weather Co		ordy	
Sample Time/Dat		-		Ddor: Y 1 🕼	,
Approx. Flow Rat	• • ·	Sediment De	· · · · · · · · · · · · · · · · · · ·		
Did well de-water	? If yes, Tim	e: Volui	me: ga	al. DTW @ Sampling:	84
Time	Volume (gal.) pH	Conductivity	Temperature	D.O. ORP	
(2400 hr.)	1 (juni) pr	(µmhos/cm - ())	( <b>C</b> )/F)	(mg/L) (mV)	
1146	7.6/	890	16.6		-
4.50	-2.5 7.36	876	17.2 -	······	-
71-57-	<u> </u>	- <u></u>	-17-3		-
					-

LABORATORY INFORMATION											
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES						
в- 13	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)						
	x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)						
	1 x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)						
		·····									
			<u> </u>								
					<b> </b>						



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Client/Facility#:	Chevron #9-	0290	Job N	lumber:	385280			
Site Address:	1802 Webste	er Street	Even	t Date:	11-12	2-08	 (inclusive)	
City:	Alameda, CA		Samp	ler:		oc.	-	
Well ID	в-14		Date Mo	nitored:	11-12	- ob		
Well Diameter	<b>2</b> in	_	Volume	3/4"= 0.02	1"= 0.04	2"= 0.17 3"= 0.3		
Total Depth	16.04 ft.	-	Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50 12"= 5.8		
Depth to Water	4.(8 ft.	xVF <u>0,17</u> = <u>2</u> .					gal.	
Depth to Water w		(Height of Water Column x			_	ted:		
Purge Equipment:		Sampling Equip	ment:		Time Con	npleted:	(2400 hrs)	
Disposable Bailer	./	Disposable Baile		/		Product:		
Stainless Steel Bailer		Pressure Bailer	·			Water:	the second secon	
Stack Pump		Discrete Bailer				nfirmation/Description	<u>,</u> ,	
Suction Pump		Peristaltic Pump	<u></u>					
Grundfos		QED Bladder Pu	mp			Absorbant Sock (cir		
Peristaltic Pump		Other:				oved from Skimmer:_ oved from Well:		
QED Bladder Pump					Water Re			
Other:	<u></u>				Product T	ransferred to:		
Start Time (purge)			er Conditions:	<u>c</u>	ordy			
Sample Time/Dat	e: 1000/1	<u>1-12-06</u> Water	Color:	en (	Odor: Y /	Ď		
Approx. Flow Rat	e:	gpm. Sedime	ent Descriptio	n:				
Did well de-water	? If	yes, Time:	Volume:	ga	al. DTW @	Sampling: 4.	7.8	
Time (2400 hr.)	Volume (gal.)	pH Conductivij (µmhos/cm -(	tyTempe	rature	D.O. (mg/L)	ORP (mV)	<u> </u>	
<b>09</b> 935	2	6.96 1051	1 17	. /				
OGAL	4	7.18 104	8 16	8 -			-	
0450	_6	7.23 104	T 76	-6 -			-	
							-	

		L	ABORATORY IN	FORMATION	
SAMPLEID	(#) ONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
в- 14	🖉 x voa vial	YES	HCL.	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/
·	x voa vial	YES	HCL	LANCASTER	ETHANOL (8260) MTBE(8021)/ETHANOL(8260)
	V x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)
			i		



Client/Facility#:	Chevron #9-0290		Job Number:	385280				
Site Address:	1802 Webster Stre	eet	Event Date:	11-12-	08	- (inclusive)		
City:	Alameda, CA		Sampler:		Jue			
Well ID	B-15		Date Monitored:	11-12-0	28			
Well Diameter	<b>2</b> in.	Volu	me 3/4"= 0.02	2 1"= 0.04 2"=	: 0.17 3"= 0.38	-		
Total Depth	14.17 ft.	1	or (VF) 4"= 0.66		1.50 12"= 5.80			
Depth to Water	4.10 ft.	Check if water colum						
		$\frac{9}{17} = \frac{1.71}{100}$		Estimated Purge Volu	e: <u>という</u>	_ gal.		
Depth to Water v	v/ 80% Recharge [(Heigh	t of Water Column x 0.20)	+ DTW]: <u>(0, //</u>	- Time Started:		(2400 hrs)		
Purge Equipment:		Sampling Equipment	:	Time Complete	ed:	(2400 hrs)		
Disposable Bailer		Disposable Bailer	/		uct:	ft		
Stainless Steel Bailer		Pressure Bailer	X	Hydrocarbon T	r: 'hickness:	π ft		
Stack Pump		Discrete Bailer			ation/Description			
Suction Pump		Peristaltic Pump						
Grundfos		QED Bladder Pump			orbant Sock (circ from Skimmer:			
Peristaltic Pump		Other:		Amt Removed	from Well:	gal		
QED Bladder Pump				Water Remove	ed:			
Other:				Product Transf	erred to:			
Start Time (purge)	: 084	, Weather Co	anditions:	lovby				
	e: 0920 1 11-12	/	clean					
Approx. Flow Rat		Sediment D						
Did well de-water		me: Volu		al. DTW @ San	nolina: d d	13		
	<u> </u>		· · · · · · · · · · · · · · · · · · ·		ť			
Time (2400 hr.)	Volume (gal.) pH	Conductivity (µmhos/cm - حج)	Temperature ( $O/F$ )	D.O. (mg/L)	ORP (mV)	( <b>*</b> 5		
0855	1.5 7.4	9 1132	16.1					
09027	3 7.5	3 1/15	16.7					
<u>Q Q 0 8</u>	5.5 7.3	7 - (123)	16.9		···			
	<u> </u>							

	LABORATORY INFORMATION												
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES								
B-15	👂 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)								
	x voa vial	YES	HCL	LANCASTER	MTBE(8021)/ETHANOL(8260)								
	' <b>L</b> ≭ 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)								

## Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories	l 13ø	8-62			A	cct. #:	/0 Г	90	4		nple	#	caste 555 Req	28		ories Z-	5	oniy 2Group #: ] //20		
SS#9-0290-OML G-H#38528	U Global ID	10,0,0,0,0,0,0,0,0,0					8				-							110	12-	5
Facility #:	AMEDA C	1		N	<b>latrix</b>	۲	H	H #		F	res	erva	tion	Coc HT				Preserva	tive Cod	<del>0</del> 8
Site Address:						Í		4#				- 1	- +	$\pi^+$	44-			Las and a	$\mathbf{T} \approx \text{Thios}$	
Chevron PM: G-R, Inc., 6747 Sierra Co	ن _ Consultant _								Gel Cleanup				-			1			$\mathbf{B} = NaO$ $\mathbf{O} = Other$	
Consultant/Office:	Consultant/Office:				Potable NPDES	Containers	C	1	8					ŀ	2			J value reporti	ng neede	3
Consultant Pri, Mar				Pota NPC	l litai	<b>FN</b> 8021		Silica						200			Must meet low	est detect	ton limits	
Consultant Prj. Mgr.: 925-551-7555 Consultant Phone #:	925	-551-7899						ł]_					8	2	0			possible for 82		ounds
Sampler: JOE AJEMIAN	Fax #					er of	8280	TPH 8015 MOD GHO	TPH 8015 MOD DRO		8	Mathod	Mathod	2	$\leq$			8021 MTBE Con		
			site			Air dab	쎹	l S	Ş	툦	Orygenates	- 1			2			Confirm highe		260
	Date	Time of a	ŏ		Je	V Z	N +	015	818 15	Ĩ	8	otal Lead		786	tha			Confirm all hits	s by 8260 's on high	et bit
Sample Identification	Collected	Time for Collected C	Composite	Soil	Water	Oil 🗆 Air Total Number	BTEX + MTBE	Ε	Ē	8260 full scan		콩	Dissolved Lead	E	Ũ				s on all hi	
QA		~			7	2								-+	+	+	+	Comments / R	_	
<u>A-1</u>	11-12-08	0745				8	-	1	1					1,	オ	╋	+		cindi vý	
<u> </u>		0830				8	ν	11	~						オ		+	1		
<u>B-5</u>		1412				8	$\mathbf{P}$							1	1	1	1-			
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24116ur 4 day 5 day		Relinquishe			11			17.		ate	Ţ	me	Re	ceive	d by:		σ- ∕		Date	Time
Data Package Options (please circle if required)		Relinquishe	d by:	J				<u>`````</u>		ate		<u>70</u> me	-	E	<u>/ /</u> xd-by:	1				
QC Summary Type L. Full			-	_													/		Date	Time
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Disk		Temperatur	e Upo	n Rec	ceipt_		on	-2	r			C°	Cu	stady	Sept	s Inta	ct?	(Pes No		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4804.01 (north) Rev. 10/12/06



**Analysis Report** 

2425 New Holland Pike, PO Box 12425, Lancester, PA 17605-2425 • 717-856-2300 Fex: 717-656-2681 • www.lancesterlabs.com

#### ANALYTICAL RESULTS

Prepared for:

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583



DEC 0 4 2008

## GETTLER-RYAN INC. GENERAL CONTRACTORS

925-842-8582

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

#### SAMPLE GROUP

The sample group for this submittal is 1120123. Samples arrived at the laboratory on Friday, November 14, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description QA-T-081112 NA Water A-1-W-081112 Grab Water B-1-W-081112 Grab Water B-5-W-081112 Grab Water B-6-W-081112 Grab Water B-10-W-081112 Grab Water B-12-W-081112 Grab Water B-13-W-081112 Grab Water B-14-W-081112 Grab Water B-15-W-081112 Grab Water

ELECTRONIC CRA c/o Gettler-Ryan COPY TO

Attn: Cheryl Hansen





Questions? Contact your Client Services Representative Jill M Parker at (717) 656-2300

Respectfully Submitted,

Jemila Ellers

Jenifer E. Hess Manager





Group No. 1120123

Account Number: 10904

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Chevron

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Page 1 of 1

#### Lancaster Laboratories Sample No. WW5528842

QA-T-081112 NA Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 QA Collected:11/12/2008

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009

0290Q

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Chronicle

CAT				Analysis		
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B	1	11/20/2008 19:05	Kathie J Bowman	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	11/23/2008 00:51	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/20/2008 19:05	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2008 00:51	Kelly E Brickley	1





Page 1 of 1

#### Lancaster Laboratories Sample No. WW5528843 A-1-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 A-1 Collected:11/12/2008 07:45 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### 290A1

CAT			As Received	As Received Method		Dilucian
No.	Analysis Name	CAS Number	Result			Dilution
	mary pro name	CAS NUMBER	Kesult	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	32,000	880	ug/l	25
01728	TPH-GRO N. CA water C6-C12	n.a.	84	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	10	0.5	ug/1	1
05401	Benzene	71-43-2	N.D.	0.5	ug/1	1
05407	Toluene	108-88-3	N.D.	0.5	ug/1	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/1	1
06310	Xylene (Total)	1330-20-7	0.8	0.5	ug/l	1

State of California Lab Certification No. 2116

CAT	Laboratory Chronicle						
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Dilution Factor	
06609	DRO (C10-C28)	SW-846 8015B	1	11/19/2008 13:52	Lisa A Reinert	25	
01728	TPH-GRO - Waters	SW-846 8015B	1	11/20/2008 21:32	Kathie J Bowman	1	
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/23/2008 23:16	Michael A Ziegler	1	
01146	GC VOA Water Prep	SW-846 5030B	1	11/20/2008 21:32	Kathie J Bowman	1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2008 23:16	Michael A Ziegler	1	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1	





Page 1 of 1

#### Lancaster Laboratories Sample No. WW5528844 B-1-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-1 Collected:11/12/2008 08:30 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### 290B1

CAT				As Received		
			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	200	50	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	7
02010	Methyl Tertiary Butyl Ether	1634-04-4	4	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/1	1
05407	Toluene	108-88-3	N.D.	0.5		1
05415	Ethylbenzene				ug/l	1
	-	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

CAT	Laboratory Chronicle						
No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor	
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 18:29	Lisa A Reinert	PACLOI	
01728	TPH-GRO - Waters	SW-846 8015B		11/20/2008 21:56	Kathie J Bowman	1	
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/23/2008 23:40	Michael A Ziegler	1	
01146	GC VOA Water Prep	SW-846 5030B	1	11/20/2008 21:56	Kathie J Bowman	1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/23/2008 23:40	Michael A Ziegler	1	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1	



## **Analysis Report**

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Page 1 of 1

## Lancaster Laboratories Sample No. WW5528845

B-5-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-5 Collected:11/12/2008 14:12 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### 290B5

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	3,300	50	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	5	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

CAT		Laboratory	Chro	Dilution		
No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Factor
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 18:50	Lisa A Reinert	1
01728	TPH-GRO - Waters	SW-846 8015B	1	11/20/2008 22:21	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/24/2008 00:04	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/20/2008 22:21	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2008 00:04	Michael A Ziegler	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1





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#### Lancaster Laboratories Sample No. WW5528846

**B-6-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-6** Collected:11/12/2008 11:25 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

290B6

<b>CAT</b> <b>No.</b> 06609	<b>Analysis Name</b> DRO (C10-C28)	CAS Number n.a.	As Received Result 95	As Received Method Detection Limit 50	<b>Units</b> ug/l	Dilution Factor 1
02159	BTEX, MTBE					
02172	Methyl tert-Butyl Ether	1634-04-4	22	2.5	ug/l	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Chronicle

	DEDOTACOLY CHIOHICLE						
CAT		_		Analysis		Dilution	
No.	Analysis Name	Method	Trial#	Date and Time	Analvst	Factor	
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 19:10	Lisa A Reinert	1	
02159	BTEX, MTBE	SW-846 8021B	1	11/24/2008 17:35	Carrie E Youtzy	1	
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	11/24/2008 02:28	Michael A Ziegler	1	
01146	GC VOA Water Prep	SW-846 5030B	1	11/24/2008 17:35	Carrie E Youtzy	1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2008 02:28	Michael A Ziegler	1	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1	





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#### Lancaster Laboratories Sample No. WW5528847

B-10-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-10 Collected:11/12/2008 10:45 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009

Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### 90B10

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	N.D.	50	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	7	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 19:30	Lisa A Reinert	1
01728	TPH-GRO - Waters	SW-846 8015B	ii 1	11/20/2008 22:45	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/24/2008 00:28	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/20/2008 22:45	Kathie J Bowman	-
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2008 00:28	Michael A Ziegler	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1





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## Lancaster Laboratories Sample No. WW5528848 B-11-W-081112 Grab Water Facility# 90290 Job# 385280 GRD

**1802 Webster-Alameda T0600100307 B-11** Collected:11/12/2008 13:30 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### 90B11

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	4,100	50	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	270	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	870	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

#### Laboratory Chronicle CAT Analysis Dilution No. Analysis Name Method Trial# Date and Time Analyst Factor 06609 DRO (C10-C28) SW-846 8015B 1 11/18/2008 19:50 Lisa A Reinert 1 01728 TPH-GRO N. CA water C6-C12 SW-846 8015B 1 11/26/2008 03:12 Tyler O Griffin 1 BTEX, MTBE, ETOH 06067 SW-846 8260B 1 11/24/2008 00:52 Michael A Ziegler 1 01146 GC VOA Water Prep SW-846 5030B 2 11/26/2008 03:12 Tyler O Griffin 1 GC/MS VOA Water Prep 01163 SW-846 5030B 1 11/24/2008 00:52 Michael A Ziegler 1 02376 Extraction - Fuel/TPH SW-846 3510C 11/18/2008 02:35 1 David V Hershey Jr 1 (Waters)



## **Analysis Report**

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

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#### Lancaster Laboratories Sample No. WW5528849 B-12-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-12 Collected:11/12/2008 12:50 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### 90B12

~				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	79	50	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	190	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	4	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	uq/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/1	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

	Laboratory Chronicle						
CAT		-		Analysis		Dilution	
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 20:10	Lisa A Reinert	1	
01728	TPH-GRO - Waters	SW-846 8015B	1	11/20/2008 23:34	Kathie J Bowman	1	
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/24/2008 01:40	Michael A Ziegler	1	
01146	GC VOA Water Prep	SW-846 5030B	1	11/20/2008 23:34	Kathie J Bowman	1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2008 01:40	Michael A Ziegler	1	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1	





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#### Lancaster Laboratories Sample No. WW5528850 B-13-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-13 Collected:11/12/2008 12:10 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

90B13

<b>CAT</b> <b>No.</b> 06609	<b>Analysis Name</b> DRO (C10-C28)	CAS Number n.a.	<b>As Received Result</b> 2,000	As Received Method Detection Limit 50	<b>Units</b> ug/l	Dilution Factor 1
01728	TPH-GRO N. CA water C6-C12	n.a.	500	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	13	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	uq/l	1
06310	Xylene (Total)	1330-20-7	1	0.5	ug/l	1

State of California Lab Certification No. 2116

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 20:31	Lisa A Reinert	1
01728	TPH-GRO - Waters	SW-846 8015B	1	11/20/2008 23:59	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/24/2008 02:04	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/20/2008 23:59	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/24/2008 02:04	Michael A Ziegler	-
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1





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#### Lancaster Laboratories Sample No. WW5528851

**B-14-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-14** Collected:11/12/2008 10:00 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

#### 90B14

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	57	50	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	12	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/1	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 20:54	Lisa A Reinert	1
01728	TPH-GRO - Waters	SW-846 8015B	1	11/21/2008 00:23	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/21/2008 23:38	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/21/2008 00:23	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2008 23:38	Michael A Ziegler	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1





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#### Lancaster Laboratories Sample No. WW5528852

B-15-W-081112 Grab Water Facility# 90290 Job# 385280 GRD 1802 Webster-Alameda T0600100307 B-15 Collected:11/12/2008 09:20 by JA

Submitted: 11/14/2008 08:55 Reported: 12/04/2008 at 08:28 Discard: 01/04/2009 Group No. 1120123

Account Number: 10904

Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

90B15

() m				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06609	DRO (C10-C28)	n.a.	N.D.	50	ug/l	1
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

CAT		Laboratory	Chro			
No.	Analysis Name	Method	mad 21 A	Analysis		Dilution
	-		Trial#	Date and Time	Analyst	Factor
06609	DRO (C10-C28)	SW-846 8015B	1	11/18/2008 21:15	Lisa A Reinert	1
01728	TPH-GRO - Waters	SW-846 8015B	1	11/21/2008 00:48	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	11/26/2008 18:26	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/21/2008 00:48	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2008 18:26	Ginelle L Feister	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	11/18/2008 02:35	David V Hershey Jr	1





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## Quality Control Summary

Client Name: Chevron Reported: 12/04/08 at 08:28 AM

Group Number: 1120123

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

#### Laboratory Compliance Quality Control

<u>Analysis Name</u>	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD <u>%REC</u>	LCS/LCSD Limits	RPD	<u>RPD Max</u>
Batch number: 083220018A	Sample 1	number(s):	5528843-55	28852				
DRO (C10-C28)	N.D.	32.	ug/l	104	110	63-119	6	20
Batch number: 08324A07A	Sample 1	number(s):	5528842-55	28845.552	8847.5528	849-5528852		
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	109	75-135	9	30
Batch number: 08325A15C	Sample r	number(s):	5528846					
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	110	100	82-124	10	30
Batch number: 08330A07A	Sample r	umber(s):	5528848					
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	127	109	75-135	15	30
Batch number: D083284AA	Sample r	umber(s).	5528843-55	28850				
Ethanol	N.D.	50.	uq/1	74		45-156		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	104		73-119		
Benzene	N.D.	0.5	ug/l	106		78-119		
Toluene	N.D.	0.5	ug/l	105		85-115		
Ethylbenzene	N.D.	0.5	ug/l	104		82-119		
Xylene (Total)	N.D.	0.5	ug/l	103		83-113		
Batch number: D083312AA	Sample n	umber(s):	5528852					
Ethanol	N.D.	50.	uq/l	111		45-156		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	105		73-119		
Benzene	N.D.	0.5	ug/1	103		78-119		
Toluene	N.D.	0.5	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	100		82-119		
Xylene (Total)	N.D.	0.5	ug/l	101		83-113		
Batch number: F083273AA	Sample n	umber(s):	5528842					
Methyl Tertiary Butyl Ether	N.D.	0.5	uq/l	96		73-119		
Benzene	N.D.	0.5	ug/1	97		78-119		
Toluene	N.D.	0.5	ug/l	102		85-115		
Ethylbenzene	N.D.	0.5	ug/l	100		82-119		
Xylene (Total)	N.D.	0.5	ug/l	102		83-113		
Batch number: Z083263AA	Sample n	umber(s):	5528851					
Ethanol	N.D.	50.	ug/l	100		45-156		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	100		73-119		
Benzene	N.D.	0.5	ug/1	93		78-119		
Toluene	N.D.	0.5	uq/1	103		85-115		
Ethylbenzene	N.D.	0.5	uq/1	100		82-119		
Xylene (Total)	N.D.	0.5	ug/1	102		83-113		
			2.					

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.





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#### Quality Control Summary

Client Name: Chevron Reported: 12/04/08 at 08:28 AM Group Number: 1120123

#### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS <u>%REC</u>	MSD <u>%REC</u>	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: 08324A07A TPH-GRO N. CA water C6-C12	Sample 136	number(s)	: 5528842 63-154	-552884	15,55288	347,5528849	-5528852	UNSPK: P52885	9
Batch number: 08325A15C Methyl tert-Butyl Ether	Sample 120	number(s) 120	: 5528846 70-134	UNSPK: 0	: P53412 30	28			
Batch number: 08330A07A TPH-GRO N. CA water C6-C12	Sample 127	number(s)	: 5528848 63-154	UNSPK:	P53530	)9			
Batch number: D083284AA Ethanol	Sample 97					C: P530680			
		110	32-164	12	30				
Methyl Tertiary Butyl Ether Benzene	101	102	69-127	2	30				
Toluene	102	104	83-128	2	30				
Ethylbenzene	102	103	83-127	1	30				
Xylene (Total)	101	103	82-129	2	30				
Ayrene (IOCAL)	100	103	82-130	3	30				
Batch number: D083312AA	Comple	number(s)		INIONZ	<b>DC D D C D D C D D D D D D D D D D</b>	-			
Ethanol	114	106	32-164	ONSPR: 7		T			
Methyl Tertiary Butyl Ether	109	108	69-127	í	30 30				
Benzene	109	108							
Toluene	108	108	83-128	3	30				
Ethylbenzene	108	106	83-127	1	30				
Xylene (Total)	108		82-129	1	30				
Ayrene (local)	108	108	82-130	0	30				
Batch number: F083273AA	Sample	number(s)	. 5529942	INCOV.	DE2072	7			
Methyl Tertiary Butyl Ether	101	102	69-127	1	30	/			
Benzene	108	102	83-128	ō	30				
Toluene	111	108	83-127	3	30				
Ethylbenzene	111	110	82-129	1	30				
Xylene (Total)	111	107	82-130	3	30				
	***	107	02-150	5	50				
Batch number: 2083263AA	Sample	number(s):	5528851	UNSPK-	552885	1			
Ethanol	115	119	32-164	4	30	<b>-</b>			
Methyl Tertiary Butyl Ether	99	102	69-127	2	30				
Benzene	97	_	83-128	õ	30				
Toluene	107		83-127	1	30				
Ethylbenzene	107		82-129	ō	30				
Xylene (Total)	107	109	82-130	2	30				
		200	100	-	50				

#### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-DRO CA C10-C28 Batch number: 083220018A Orthoterphenyl

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.





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## Quality Control Summary

Client Nar	ne:	Chevro	on		
Reported:	12/	04/08	at	08:28	AM

Group Number: 1120123

Reported: 12/04/08 at 08:28 A

Surrogate Quality Control

5528843	103
5528844	94
5528845	92
5528846	91
5528847	91
5528848	96
5528849	98
5528850	100
5528851	93
5528852	95
Blank	82
LCS	99
LCSD	102

Limits: 59-131

Analysis Name: TPH-GRO N. CA water C6-C12 Batch number: 08324A07A Trifluorotoluene-F

5528842	113
5528843	114
5528844	115
5528845	113
5528847	113
5528849	113
5528850	123
5528851	111
5528852	113
Blank	112
LCS	122
LCSD	125
MS	126

Limits: 63-135

Analysis Name: BTEX, MTBE Batch number: 08325A15C Trifluorotoluene-P

Limits:	69-129	 	· · · · · · · · · · · · · · · · · · ·	 
MSD	104			
MS	105			
LCSD	104			
LCS	104			
Blank	108			
5528846	106			 

Analysis Name: TPH-GRO N. CA water C6-C12 Batch number: 08330A07A Trifluorotoluene-F

 5528848
 118

 Blank
 110

 LCS
 124

 LCSD
 120

 MS
 121

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.





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## Quality Control Summary

Client Name: Chevron Reported: 12/04/08 at 08:28 AM Group Number: 1120123

Surrogate Quality Control

Limits: 63-135

Batch number 5528852 Blank LCS MSD Limits: Analysis Name Batch number	92 94 91 91 92 95 94 95 94 95 94 95 94 97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93 90	97 99 95 98 100 101 97 95 101 100 100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	103 103 99 102 103 101 101 104 102 103 105 80-113 Toluene-d8 91 95 94 96	108 109 105 109 109 110 110 112 108 108 108 108 111 78-113 4-Bromofluorobenzene 109 111 110 112
5528845 5528846 5528847 5528848 5528849 5528849 5528850 Blank LCS MS D Limits: Analysis Nam Batch number 5528852 Blank LCS MS D Limits: Analysis Nam Batch number	91 91 94 95 95 91 90 95 94 97 80-116 ne: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	95 98 100 101 97 95 101 100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	103 99 102 103 103 101 104 102 103 105 80-113 Toluene-d8 91 95 94	109 105 109 109 110 110 112 108 108 108 108 111 78-113 4-Bromofluorobenzene 109 111 110
5528846 5528847 5528849 5528850 Blank LCS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS MSD Limits: Analysis Name	91 94 95 91 90 95 94 94 97 80-116 ne: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	95 98 100 101 97 95 101 100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	99 102 103 103 101 101 104 102 103 105 80-113 Toluene-d8 91 95 94	105 109 109 110 110 112 108 108 108 111 78-113 4-Bromofluorobenzend 109 111 110
5528847 5528848 5528849 5528850 Blank LCS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS MSD Limits: Analysis Name Satch number	94 95 91 90 95 94 94 97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 93	98 100 101 97 95 101 100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	102 103 103 101 101 104 102 103 105 80-113 Toluene-d8 91 95 94	109 109 110 110 112 108 108 108 111 78-113 4-Bromofluorobenzene 109 111 110
5528848 5528849 5528850 Blank LCS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS MS MSD Limits: Analysis Name	95 91 90 95 94 94 97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	100 101 97 95 101 100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	103 103 101 101 104 102 103 105 80-113 Toluene-d8 91 95 94	109 110 110 112 108 108 108 111 78-113 4-Bromofluorobenzend 109 111 110
5528848 5528849 5528850 Blank LCS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS MS MSD Limits: Analysis Name	95 91 90 95 94 94 97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	101 97 95 101 100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	103 101 104 102 103 105 80-113 Toluene-d8 91 95 94	110 110 112 108 108 108 111 78-113 4-Bromofluorobenzene 109 111 110
5528849 5528850 Blank LCS MS Limits: Analysis Nam Batch number 5528852 Blank LCS MS MS Limits: Analysis Nam Batch number	91 90 95 94 94 97 80-116 ne: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	97 95 101 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	101 101 104 102 103 105 80-113 Toluene-d8 91 95 94	110 112 108 108 108 111 78-113 4-Bromofluorobenzend 109 111 110
5528850 Blank LCS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS 4S MSD Limits: Analysis Name Batch number	90 95 94 94 97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	95 101 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	101 104 102 103 105 80-113 Toluene-d8 91 95 94	112 108 108 108 111 78-113 4-Bromofluorobenzend 109 111 110
Blank LCS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS 4S MSD Limits: Analysis Name	95 94 94 97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	101 100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	104 102 103 105 80-113 Toluene-d8 91 95 94	108 108 108 111 78-113 4-Bromofluorobenzend 109 111 110
LCS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS MS MSD Limits: Analysis Name Satch number	94 94 97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	100 100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	102 103 105 80-113 Toluene-d8 91 95 94	108 108 111 78-113 4-Bromofluorobenzen 109 111 110
MS MSD Limits: Analysis Nam Batch number 5528852 Blank LCS 4S 4S 4S Jimits: Analysis Name Batch number	94 97 80-116 te: BTEX, MTBE, ETOH t: D083312AA Dibromofluoromethane 88 90 89 93	100 102 77-113 1,2-Dichloroethane-d4 89 93 91 94	103 105 80-113 Toluene-d8 91 95 94	108 111 78-113 4-Bromofluorobenzen 109 111 110
MSD Limits: Analysis Nam Batch number 5528852 Blank LCS 4S 4S 4S Jimits: Analysis Name Batch number	97 80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	102 77-113 1,2-Dichloroethane-d4 89 93 91 94	105 80-113 Toluene-d8 91 95 94	111 78-113 4-Bromofluorobenzen 109 111 110
Limits: Analysis Nam Batch number 5528852 Blank CCS 45 45 Manalysis Name Batch number	80-116 me: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	77-113 1,2-Dichloroethane-d4 89 93 91 94	80-113 Toluene-d8 91 95 94	78-113 4-Bromofluorobenzen 109 111 110
Analysis Nam Batch number 5528852 Blank LCS 4S 4S 4S Jimits: Analysis Name Batch number	ne: BTEX, MTBE, ETOH : D083312AA Dibromofluoromethane 88 90 89 93	1,2-Dichloroethane-d4 89 93 91 94	Toluene-d8 91 95 94	4-Bromofluorobenzen 109 111 110
Batch number 5528852 Blank LCS 4S MSD Limits: Analysis Name Batch number	: D083312AA Dibromofluoromethane 88 90 89 93	89 93 91 94	91 95 94	109 111 110
5528852 Blank LCS 45 MSD Limits: Analysis Name Batch number	Dibromofluoromethane 88 90 89 93	89 93 91 94	91 95 94	109 111 110
Blank LCS MS MSD Limits: Analysis Name Batch number	90 89 93	93 91 94	95 94	111 110
LCS MS MSD Limits: Analysis Namu Batch number	89 93	91 94	94	110
MS MSD Limits: Analysis Namu Batch number	93	94		
ASD Limits: Analysis Name Batch number			96	
Limits: Analysis Name Batch number	90			
Analysis Name Batch number		92	94	111
Batch number	80-116	77-113	80-113	78-113
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
	94	91	97	96
	96	93	98	95
	95	94	101	98
	97	95	101	101
ISD	97	97	99	100
imits:	80-116	77-113	80-113	78-113
nalysis Name	e: BTEX, MTBE, ETOH			
atch number:	: 2083263AA Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
528851	98	88	103	92
lank	98	89	103	91
CS	94	87	102	96
	95	88	102	
	95	88	102	97 98
imits:			80-113	78-113

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.





Page 5 of 5

## Quality Control Summary

Client Name: Chevron Reported: 12/04/08 at 08:28 AM

Group Number: 1120123

Surrogate Quality Control

\*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

### Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D. TN⊤C IU umhos/cm C Cal meq g ug	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliliter(s)	BMQL MPN CP Units NTU F Ib. kg mg I	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) microliter(s)
m3	cubic meter(s)	ui fib >5 um/ml	microliter(s) fibers greater than 5 microns in length per ml

< less than – The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

**Dry weight** basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

#### **Organic Qualifiers**

- A TIC is a possible aldol-condensation product
- **B** Analyte was also detected in the blank
- C Pesticide result confirmed by GC/MS
- D Compound quatitated on a diluted sample
- E Concentration exceeds the calibration range of the instrument
- J Estimated value
- **N** Presumptive evidence of a compound (TICs only)
- P Concentration difference between primary and
- u confirmation columns >25% Compound was not detected
- V Z Defined in case pertetive
- **X,Y,Z** Defined in case narrative

### Inorganic Qualifiers

- **B** Value is <CRDL, but  $\geq$ IDL
- E Estimated due to interference
- M Duplicate injection precision not met
- N Spike amount not within control limits
- **S** Method of standard additions (MSA) used for calculation
- U Compound was not detected
- W Post digestion spike out of control limits
  - Duplicate analysis not within control limits
- + Correlation coefficient for MSA < 0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

## ATTACHMENT D

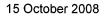
# BP'S THIRD QUARTER 2008 SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT



Atlantic Richfield Company (a BP affiliated company)

P.O. Box 1257 San Ramon, California 94583 Phone: (925) 275-3801 Fax: (925) 275-3815

RECEIVED 2:14 pm, Oct 23, 2008 Alameda County Environmental Health



Re: Third Quarter 2008 Semi-Annual Ground-Water Monitoring Report Former BP Service Station #11104 1716 Webster Street Alameda, California ACEH Case #RO0000281

"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:

Paul Supple Environmental Business Manager

## Prepared for

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

## Prepared by

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

1324 Mangrove Avenue, Suite 212 Chico, California 95926 (530) 566-1400 www.broadbentinc.com

15 October 2008

Project No. 06-08-644

Third Quarter 2008 Semi-Annual Ground-Water Monitoring Report Former BP Service Station #11104 1716 Webster Street Alameda, California

BROADBENT & ASSOCIATES, INC.

ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

15 October 2008

Project No. 06-08-644

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

Attn.: Mr. Paul Supple

Re: Third Quarter 2008 Semi-Annual Ground-Water Monitoring Report, Former BP Service Station #11104, 1716 Webster Street, Alameda, Alameda County, California. ACEH Case #RO0000281.

Dear Mr. Supple:

Provided herein is the *Third Quarter 2008 Semi-Annual Ground-Water Monitoring Report* for Former BP Service Station #11104 located at 1716 Webster Street, Alameda, California (Site). This report presents a summary of results from semi-annual ground-water monitoring conducted at the Site during the Third Quarter of 2008.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

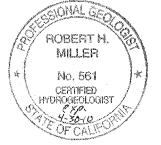
Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E. Senior Engineer

Robert H. Miller, P.G., C.HG. Principal Hydrogeologist

Enclosures



Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
 Ms. Shelby Lathrop, ConocoPhillips, 76 Broadway, Sacramento, California 95818
 Electronic copy uploaded to GeoTracker

#### STATION #11104 SEMI-ANNUAL GROUND-WATER MONITORING REPORT

Facility: <u>#11104</u>	Address:	1716 Webster Street, Alameda, California
BP Environmental Business M	Manager:	Mr. Paul Supple
Consulting Co./Contact Perso	ons:	Broadbent & Associates, Inc./Rob Miller & Tom Venus
		(530) 566-1400
Primary Agency/Regulatory I	D No.:	Alameda County Environmental Health (ACEH)
		ACEH Case #RO0000281
Consultant Project No.:		06-08-644

#### WORK PERFORMED THIS QUARTER (Third Quarter 2008):

- 1. Prepared and submitted Second Quarter 2008 Status Report. Work performed by Broadbent & Associates, Inc. (BAI).
- Conducted semi-annual ground-water monitoring/sampling for Third Quarter 2008 on 13 August 2008. Work performed by Stratus Environmental, Inc. (Stratus). (Nearby Chevron Station #9-0290 co-monitored by Gettler-Ryan for Chevron on 13 August 2008)

#### WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2008):

- 1. Prepare and submit this Third Quarter 2008 Semi-Annual Ground-Water Monitoring Report (contained herein).
- 2. No environmental work activities are scheduled to be conducted at the Site during the Fourth Quarter 2008.

#### **QUARTERLY RESULTS SUMMARY:**

Current phase of project: Frequency of ground-water sampling:

Frequency of ground-water monitoring: Is free product (FP) present on-site: Current remediation techniques: Depth to ground water (below TOC): General ground-water flow direction: Approximate hydraulic gradient:

Ground-water monitoring/sampling	
Semi-Annually (1Q & 3Q): Wells MW-1 and RW-1	
Annually (1Q): Wells MW-2 through MW-5	
Semi-Annually	
No	
NA	
5.27 ft (MW-5) to 6.70 ft (MW-2)	
North-northwest	
0.007 ft/ft	

#### DISCUSSION:

Third Quarter 2008 semi-annual ground-water monitoring and sampling was conducted at Station #11104 by Stratus on 13 August 2008. On 13 August 2008, ground-water monitoring and sampling was conducted by Gettler-Ryan at the nearby, co-monitored Chevron Station #9-0290. Water levels were gauged in the six wells associated with Station #11104, and 11 wells associated with nearby Chevron Station #9-0290. No irregularities were noted during water level gauging at Station #11104. Depth to water measurements at the Site ranged from 5.27 ft at well MW-5 to 6.70 ft at MW-2. Resulting ground-water surface elevations at the Site ranged from 7.01 ft above mean sea level in well MW-3 to 6.10 ft at well MW-4. Water level elevations were within the historic range for each well, as summarized in Table 1. Water level elevations yielded a potentiometric ground-water flow direction and gradient to the north-northwest at 0.007 ft/ft, consistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground water and respective ground-water elevations are summarized in Table 1. Depth to water measurements and corresponding

Broadbent & Associates, Inc. Chico, California

water level elevations for Chevron Station #9-0290 are provided within Appendix B. Potentiometric ground-water elevation contours are presented in Drawing 1.

Consistent with the current ground-water monitoring schedule, water samples were collected from Station #11104 wells MW-1and RW-1. No irregularities were encountered during sampling. Samples were submitted under chain-of-custody protocol to Calscience Environmental Laboratories, Inc. (Garden Grove, California) for analysis of Gasoline Range Organics (GRO, C6-12) by EPA Method 8015B; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Di-isopropyl ether (DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Ethanol, Ethyl tert-butyl ether (ETBE), and Methyl tert-butyl ether (MTBE) by EPA Method 8260B. No significant irregularities were reported during analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline range organics (GRO) were detected above the laboratory reporting limits in each of the two wells sampled at concentrations of 7,500 micrograms per liter ( $\mu$ g/L) in well MW-1 and 1,900  $\mu$ g/L in well RW-1. Benzene was detected above the laboratory reporting limit in each of the two wells sampled at concentrations of 220  $\mu$ g/L in well MW-1 and 60  $\mu$ g/L in well RW-1. Ethylbenzene was detected above the laboratory reporting limit in each of the two wells sampled at concentrations of 130  $\mu$ g/L in well RW-1. Toluene was detected above the laboratory reporting limit in each of the two wells sampled at concentrations of 130  $\mu$ g/L in well RW-1. Toluene was detected above the laboratory reporting limit in each of the two wells sampled at concentrations of 16  $\mu$ g/L in well MW-1 and 2.2  $\mu$ g/L in well RW-1. Total xylenes were detected above the laboratory reporting limit in each of the two wells sampled at concentrations of 1,600  $\mu$ g/L in well MW-1 and 670  $\mu$ g/L in well RW-1. TAME was detected above the laboratory reporting limit in one of the two wells sampled at concentrations of 340  $\mu$ g/L in well MW-1 and 38  $\mu$ g/L in well RW-1. MTBE was detected above the laboratory reporting limit in each of the two wells sampled at concentrations of 370  $\mu$ g/L in well MW-1 and 9.0  $\mu$ g/L in well RW-1. The remaining fuel additives and oxygenates were not detected above their respective laboratory reporting limits in the two wells sampled this quarter.

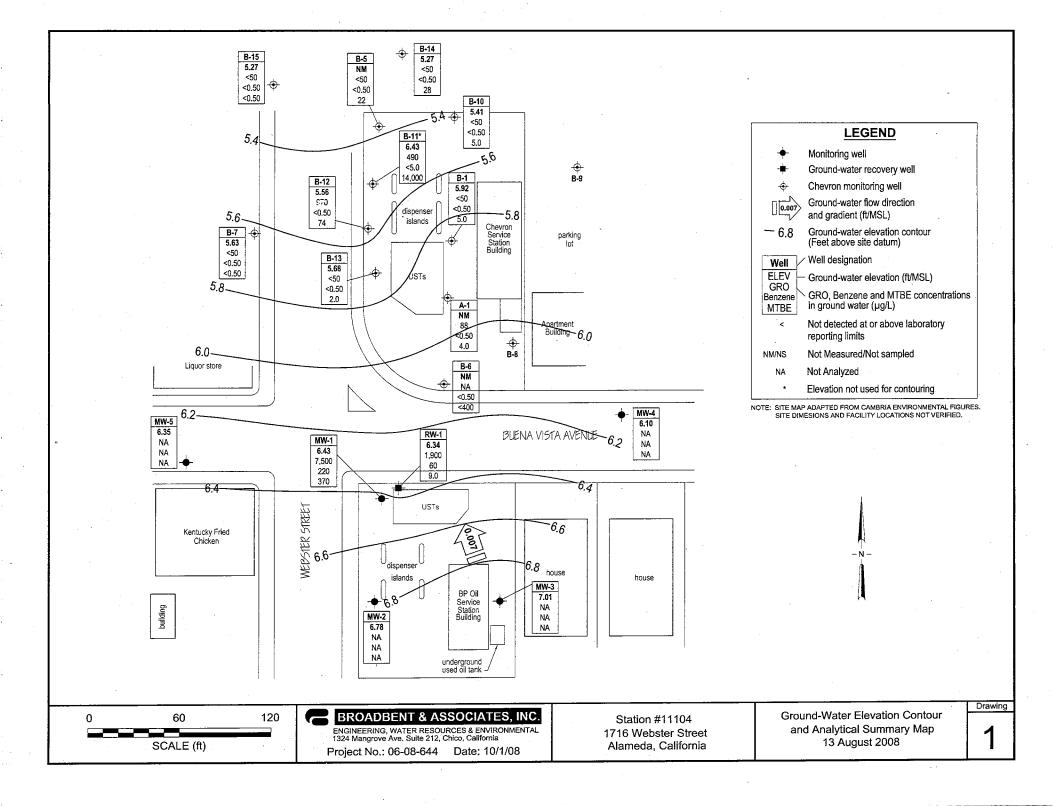
Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well. Historic laboratory analytical results for the Site are summarized in Table 1 and Table 2. Historic laboratory analytical results for Chevron Station #9-0290 are provided in Appendix B. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 1. A copy of the laboratory analytical report, including chain-of-custody documentation is provided in Appendix A. Ground-water monitoring data (GEO\_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix C.

#### **CLOSURE:**

The findings presented in this report are based upon: observations of Stratus and Gettler-Ryan field personnel (see Appendices A and B), the points investigated, and results of laboratory tests performed by Calscience Environmental Laboratories, Inc. (Garden Grove, California), and Gettler-Ryan's laboratory. Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. 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.

### ATTACHMENTS:

Drawing 1.	Ground-Water Elevation Contour and Analytical Summary Map, 13 August 2008, Station #11104, 1716 Webster Street, Alameda, California
Table 1.	Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11104, 1716 Webster St., Alameda, California
Table 2.	Summary of Fuel Additives Analytical Data, Station #11104, 1716 Webster St., Alameda, California
Table 3.	Historical Ground-Water Flow Direction and Gradient, Station #11104, 1716 Webster St., Alameda, California
Appendix A.	Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets, Laboratory Report, Chain-of-Custody Documentation, and Field Procedures)
Appendix B.	Gettler-Ryan Ground-Water Monitoring and Analytical Results (Chevron Service Station #9-0290)
Appendix C.	GeoTracker Upload Confirmation



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

#### Station #11104, 1716 Webster St., Alameda, CA

	TOC Depth to Produc		Product	Water Level Concentrations in (µg/L)											
Well and		Elevation	Water	Thickness	Elevation	GRO/			Ethyl-	Total	_	DO			
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	pH	Comments
MW-1															
7/21/1992		<u>11.92</u>	5.90		3.07	341,000	7,000	1.700	2,500	6,200					
10/20/1992	-	11.98	6.66		5.32								 Tenutive malifier state		
3/5/1995		11.98	4.55	-	7.412									-	
4/1/1993		11.98	4.57		7.41	 77,000			 2.100	 7,400	 11.919		 PACE	-	
7/9/1993		01.98 11.98	5.25			79,000	16,000	1,500	2,200	7,700	12,952		PACE		c, d, k
10/8/1993		11.98	6.01		5.97	42,000	7 1 00	270	2.700	4.700			PACE		
1/6/1994		11.98	6.24		5.74	45,000	12,000	4,300	3,000	6,700			PACE		k
4,261,994		_1.98	5.26		372	39.000	6.510	500	1.800	1.200	16,668	ිමී	PACE		€- <u>k</u>
7/25/1994		11.98	5.60		6.38	38,000	6,300	240	1,500	1,100	26,428	1.7	PACE		c, k
10/113/11 <b>394</b>		JU 98				25,000	7,300	120	1,200	740			PACE	l se	<u>د</u> کې او
10/13/1994		11.98	6.15		5.83	25,000	6,300 3,100	130	1,300 460	830 850		2.3 7.9	PACE		k
1/17/1995	(동주·)의	11.98	41.10		779	7,800	3,100	1,100	470	1,000			ATI		d
1/17/1995 3/31/1995		11.98			7,570	37,000	6,700	6,900	1,200	4,500		62	ATEL		
3/31/1995		11.98				40,000	6,900	7,300	1,300	5,000			ATI		d
-5/1/1995		ાં ૭૪	4 <u>.39</u>		7.39						<del>-</del> -				
7/12/1995		11.98		<u>.</u>		29,000	6,600	380	1,500	3,900			ATI		d
7/1/2/1995		11,98	5.02	÷	6.96	29,000	7,000	300		3,900		7.2	ATT		
10/12/1995		11.98	5.68		6.30	20,000	3,400	310 310	1,100 1,100	3,000 3,000	15,000	6.3	ATI ATI	-	
10/12/1995		11.98 11.98	4.18		7.80	20.000	3 500 4,400	2,900	860	2,380	5,500	7.9	SPL		
2/27/1996 5/8/1996		11.98 11.98	4.18		7.00	18,000	-,+00	2,500		2,300					
5/9/1996		11.98				14,000	2,300	1,900	540	3,340	2,700	6.1	SPL		ana manina militar ta manana Mayra
30/1396		1.98	5,13		6.33			- <u>-</u>							
8/12/1996		11.98				13,000	2,800	190	1,300	3,040	1,800	7.1	SPL		an a
11/7/1993		11.98	5-65	Tana	633	12,000	2,100	35	≪25	- 25	2,100	72	SPL	1	
2/10/1997		11.98				180,000	2,100	<500	<500	<500	160,000		SPL		d
2/10/1 <b>997</b>		11.98	-4880		7,18	14,000		<500 <50	<500 1,200	<500 1.220	160,000 250,000	5.8 7.2	SPL SPL	1-514	
8/4/1997 8/4/1 <i>9</i> 97	 1024238	11.98 11.98	5.69	 1	6.29	14,000	2,700 2,600	<50	1,200	1,220	250,000	7.2	SPL		

Page 1 of 11

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

#### Station #11104, 1716 Webster St., Alameda, CA

		тос	Depth to	Product	Water Level	Water Level Concentrations in (µg/L)									
Well and	· · .	Elevation	Water	Thickness	Elevation	GRO/			Ethyl-	Total		DO			
Sample Date	P/NP	NP (feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	pН	Comments
MW-1 Cont.															
127/1998		11.93	3,96		3.02	390,000	4,400	-4,3.00	15000	2,390	490,000	633	SPL		
9/2/1998		11.98	5.03		6.95	230,000	3,900	<50	1,900	1,000	230,000	6.3	SPL		
2/24/1999		11.98	4.94		7.04	32,000	3,000	- 520	2,500		190000/20000	Çla	SPL	ł	
8/30/1999		11.98	6.31		5.67	11,000	2,100	<25	1,800	580	48,000		SPL	in a contract	
2/21/2000	1997 - P.S.	11.98	447		7,51	12,000 i	1,200	250	930	1,300	311.000		PACE	Ж	
8/8/2000		11.98	5.59	e- Millionen av seiteretaa	6.39	4,500	160	2.8 ≪12.5	76	88	60,000 18:000		PACE		
2/12/2001		11.98 11.98	6.04 6.44		5.94 5.54	14.000 14,000	3/63 161	د <u>دیاری</u> 17.1	108 255	298 545	5,590		PACE PACE		
8/13/2001 2/4/2002		11.98	0.44 (4.49)		7,49	14,000	101	17.1 379	538	670	2,390		PACE		
8/29/2002		11.98	5.22		6.76	4,8001	180	43	130	540	3,100		SEQ		1
2/5/2003		11.98	5.43		6.76	77/0	29	-98	4.2	47	590 m.n		SEQ		( <b>11</b> ,1)
8/14/2003		11.98	6.34		5.64	5,400	210	<50	90	200	4,500		SEQ		Р
02/12/2004	P	1108	433		743	2,500	140	20	37	170	1,200		- <u>Seçm</u> i	6-8-1	
08/12/2004	P	11.98	5.22	**	6.76	5,700	500	12	41	1,400	260		SEQM	6.3	
02/10/2005	P	11098	41248	$= \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_$	7.50	2,400	120	10	72	110	730		<u>NEQIV</u>	<u>8</u> ]	
08/11/2005	Р	11.98	4.60		7.38	4,600	500	13	44	870	190		SEQM	6.8	
92/09/2006	P	11.93	45477		751	2,600	130	12	96	230	330	1	SEQM	70	
8/10/2006		11.98	4.77		7.21	7,000	720	17	62	870	47		TAMC	6.7	and a second state of the second
2/3/2007	P	11.98	5.13		6.35	2,200	100	63	53	120	130	5.52	TAMC	6.82	(BZ, EBZ, XYLENES, MTB
8/8/2007	Р	11.98	5.47	and the second states of	6.51	1,500	78	4.9	43	120	140	4.32	TAMC	7.04	(bz, cbz, Arcones, Mis
2/22/2008	P	11.00	440		758	4,400	130 220	16	390 130	1.200 1,600	59 370	5-015 0.48	CEL CEL	8.13	
8/13/2008	Р	11.98	5.55	-	6.43	7,500	220	16	130	1,000		0.40	CEL	0.15	
MW-2											<u> </u>				,
7/21/1992		12.98	ŝ.44		6.54	≪50	≪0-5	≪0.5	<0 <u>.5</u>	≪0.5					
10/20/1992		12.98	7.39		5.59										
3/5/1995		12,98	4.91		3.07				÷						
4/1/1993		12.98	4.92		8.06				 20 - 1243-52 - 22		 Sha kati wakita kati				
7/9/1993		12.98	5.60		738	- SEO	<0.5 · · ·	≪0,5 <0.5	<0.5	<0,5	갈 옷 물이 있		PACE		d, k
10/8/1993		12.98 12.98		 District instance revisionia	 643	<50 <50	<0.5 ≼©.5	<0.5 ≪0.5	<0.5 ≪ି.ର	<0.5 ≪0.5	 1990-1240-146		PACE		d, k

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Table 1. Summary of Ground-Water	Monitoring Data: Relative Wate	er Elevations and Laboratory Analyses
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#### Station #11104, 1716 Webster St., Alameda, CA

		тос	Depth to	Product	Water Level Concentrations in (µg/L)										
Well and		Elevation	Water	Thickness	Elevation	GRO/		Concentra	Ethyl-	Total		DO			
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	рН	Comments
MW-2 Cont.							-								
1/6/1994		12.98	6.25		6.73	_≪\$0	⊲0.5_	<0.5	્ર≪0્ટ્	- ≪0,5			RACE		
4/26/1994		12.98	5.73		7.25	<50	<0.5	<0.5	<0.5	<0.5	<5.0	7.5	PACE		k
7/25/1994		1298	3.07	I	391	≪\$10	≪0.5	≪0.3	- 405 	≪0 <i>5</i>	<u>ો1</u> 39	24	PACE		1-
10/13/1994		12.98 12.98	6.80 5010		6.18 7.88	<50	<0.5	<0.5	<0.5	<0.5		2.4	PACE		k
1/17/1995 3/31/1995		12.98	4.69	-	8.29	<50	<0.50	<0.50	<0.50	<1.0		7.3	ATI		
5/0/1995		12.98	523		7.75										
7/12/1995		12.98	5.40		7.58										
10/ <u>12</u> /1 <b>99</b> 5		12,98	6.06		592	- SQ	<0.50	≪0.50	≪0.50	. ≪1.0	-\$3.0	39	<u>ATR</u>		
2/27/1996		12.98	4.66		8.32	<50	<0.5	<1	<1	<1	<10	8.7	SPL		
5/8/1996		12.98	5.28		7.70	<50	<0.5	<1.0	<1.0	<1.0	<10	7.8	= SPL		
8/9/1996 11/7/1996		12.98 12.98	5.59 6.11	 1000-1000	7.39 5:87			<1.0	~1.0	~1.0	<10 10	7.0	51L		
2/10/1997	201)/FR(2)  	12.98	5.26		7.72										
3/41/1997		12.98	6.14		<u>634</u>	- \$10		<1.0	≪]0	<1,0	<10)	6.5	SPL		
1/27/1998		12.98	4.42		8.56										
9/2/1998		12.98	5.47		7.SI	100	9.56	36	≪1.0	3	010	6.9	SPL		
2/24/1999		12.98	5.12		7.86	<50	<1.0	<1.0	<1.0	<1.0	8.2		SPL		
3/30/1999 2/21/2000		12.98 12.98	6.60 4.64		638 8.34	<50	<0.5	<0.5	<0.5	<0.5	0.72		PACE		
2/12/2000		12.98	4.04		7.85	<50	≪0.5	-0.13 	<0.5	- ≪0,5 · ·	<0.5		PACE		
2/4/2002		12.98	5.63		• 7.35	<50	<0.5	<0.5	<0.5	<1.0	<0.5		PACE		an a
3/29/2002		12.98	3,79	Fried	7 19									) ÷	
2/5/2003		12.98	5.61		7.37	<50	<0.50	<0.50	<0.50	<0.50	<2.5		SEQ		n Antonia antonia antonia antonia.
8/14/2003		2.3\$							10.50	<b>10.50</b>	<0.50	ita de la compañía de	SEOM		<b>0</b>
02/12/2004	P	12.98 12.98	5.19		7.79 6.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50		SEQM	6.4	p
08/12/2004	P	12.98	6-17 5.01		7.97	= <50	<0.50	<0.50	<0.50	<0.50	<0.50		SEQM	5.9	
02/11/2005		12.98	6.39		3.59										
02/09/2006	Р	12.98	4.80		8.18	<50	<0.50	<0.50	<0.50	<0.50	<0.50		SEQM	6.8	
3/10/2006		12.98	6.8		630										

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Station #11104, 1716 Webster St., Alameda, CA

		тос	Depth to	Product	Water Level			Concentra	tions in (µ	g/L)					
Well and		Elevation	Water	Thickness	Elevation	GRO/			Etbyl-	Total		DO			
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msi)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	pH	Comments
MW-2 Cont.															
2/8/2007	2	12.93	5.87		731	< <b>3</b> 0	<0 <i>5</i> 0	≪0.50	≪0.30	×0.50	≪0.50	5.94	TAMC	7.04	
8/8/2007		12.98	6.00		6.98										
2/22/22008	P	12.98	5.15	-	7.83	- 5 <u>2</u>	≪0.50	≪0,50	. ≪0,50	<0.50	<0.50	5.81	<u>OBL</u>	7,12	
8/13/2008		12.98	6.20		6.78		-		-						
MW-3					· ·										
7/2/1/1992		13.38	7.07		(***** <b>63</b> ]*****	_~≪50	0.95	≪0,5	≪0.5	<05		-50		9 <del>4</del> -	٠.
10/20/1992		13.38	8.06		5.32										Carallelander - Andrewer
3/5/1993		13-38	516	-	8.22				<u> </u>						
4/1/1993		13.38	5.25 580		8.13 7.68			 ≪05*		 ≪0.5			PÁCE		<u>.</u>
9/1995 10/8/1993		13.58	5.00 7.17	5 Ref. 7 Ref. 19	6.21	<50	0.6	<0.5	<0.5	<0.5			PACE		k
1/6/1994		13.38	7.17 6.94		0.21 6.44		<0.5	< < 0.5	≪0.5	<0.5			PACE	-	8-3-3-3-8-3-3-3-8-3-3-3-3-8-3-3-3-3-3-3
4/26/1994		13.38	6.18		7.20	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.1	PACE		k
7/ <u>023/1</u> 994:		13:38	<b>5</b> 67		37	≪50	≪0,≶	≪0.5	≪0.5 ∵	i ≪0.5 · ·		2.2	IPACIE		4.5 €
10/13/1994		13.38	7.43		5.95	<50	<0.5	<0.5	<0.5	<0.5		2.1	PACE		k
M7/1995		13:38	3.07		- 331										
3/31/1995		13.38	4.03		9.35	<50	<0.50	<0.50	<0.50	<1.0		6.6	ATI		
5/1/1995		13 38	4.94		8 4 4		4 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)						-		
7/12/1995		13.38 13.38	5.80 6-64		7.58 6.74	 						-64	ATTR		
10/112/1995		13.38	4.75		8.63	<50	<0.5	<1	<1	<1	<10	8.5	SPL		
5/8/1996		13.38	586		7.52								Ĥ		
8/9/1996		13.38	5.70		7.68	<50	<0.5	<1.0	<1.0	<1.0	<10	7.9	SPL		
117/1996		13.33	521		747	-				-					
2/10/1997		13.38	5.14		8.24										
\$/4/1997		1358	6.01		737	- SD	≪0.5	< 1 j	≪1.0	< <u>1.0</u>	<	6.6	SPL	-	
1/27/1998		13.38	4.30		9.08										
9/2/1998		13.38	5.80		7,58	<50 <50	<0.5	2.2	<1.0	<1.0	<10 <1.0	. 3.6	SPL SPL		
2/24/1999 8/30/1999	 1942 - State	13.38 13.38	4.34 6.59	 845,872368	9.04	<50	<1.0	<1.0	<1.0	~1.0	~1.0		JIL		

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### Station #11104, 1716 Webster St., Alameda, CA

Well and		тос	Depth to	Product	Water Level			Concentra	tions in (µ	g/L)					
Well and		Elevation	Water	Thickness	Elevation	GRO/			Ethyl-	Total		DO			
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	pH	Comments
MW-3 Cont.															
2/21/2000		1338	4 <b>.56</b>		8.12	- SO	. ≪®.5	≪0.3	<0.5	<0.5	≪0,5	≪0.5	PACE		
2/12/2001		13.38	4.98		8.40					·					j 
2,4,2002		1338	<u>3.11</u>		7.16						#	L.			
8/29/2002 2/5/2003		13.38 16.38	6.22		7.16							-			) I State of the state
8/14/2003		13.38													0
02/12/2002	P	13.38	<u>4.94</u>		<u>324</u>		≪0-30	⇒ ≪0 <i>.5</i> 0	<0.510	00	≪0. <i>5</i> 0		SEQM	60	Ð
08/12/2004		13.38	6.22		7.16										
02/10/2005	P	13.38	5215		7.93		≪0. <i>5</i> 0	≪0.50	<0.50	<0.50 j	≪0.50		SEQM	23.0	
08/11/2005		13.38	5.77		7.61							 19-00 (1950)			r
02/09/2006	5 P	13.38	5.86		8.21 7.52	<50 	≪0.50	≪0.30 	≪0.30	i ≪0.50 :: 	<0.50 		SEQM. 	-5 <i>7</i>	
8/10/2006 2/8/2007	 P	13.38	5.00		7.32			≪0.50	~~ ~~	≪0.50	 ≼0:50	5.34	TAMC -	7.04	
8/8/2007		13.38	6.68		6.70										
2/22/2008	<u>į</u>	. 338	538	- <b>1</b>	3,00	540	≪0.50	≪0.50	_≪0 <i>3</i> 0	<0.30	≪0.50	3,31	CIRL	6.87	
8/13/2008	·	13.38	6.37		7.01	-		-	-		-	-	-		
MW-4					· .										
2/5/1726		it <b>30</b>	481-		<u>5.99</u>	<30	<0 <i>3</i>	≪0.5	<b>10</b> 3	. ≪0 <i>5</i> - ,			€		
4/1/1993		11.80	4.80		7.00										an a
71.9. [993		1130	567	÷	6.26	- S10	<0.5	<0.5	i ≪0 <i>5</i>	<0.5	÷		PACE		1-
10/8/1993 1/6/1994		11.80	6.28 5.82	 1993 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 -	5.52 5.98	<50	<0.5	<0.5 ≪0.3	<0.5 ≪0.5	<0.5 <0.5			PACE PACE	-	k K
4/26/1994		11.80	5.50		6.30	<50	< 0.5	<0.5	<0.5	<0.5	<5.0	7.4	PACE		k
7/25/(0994		11.30	5,88		5.97		≪0.5	≪0.5	<0.5	≪0.5		72	PACE		
10/13/1994		11.80	6.26		5.54	<50	<0.5	<0.5	<0.5	<0.5		6.7	PACE	·	k
1/17/1995		11 <b>-30</b> -	4 II)		7.61	8. <del>-</del> 8					Ŧ		S = 3		
3/31/1995		11.80	3.96		7.84	<50	<0.50	<0.50	<0.50	<1.0		7.1	ATI		
3/1/1995		11.80	4.49		7.31									-	
7/12/1995		11.80	5.16 5.80	 Na Na 200	6.64 600	 	 ≪030	 ≤0.50 û	 ≪0.50		 	6.9	AT		

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Station #11104, 1716 Webster St., Alameda, CA

		тос	Depth to	Product	Water Level			Concentra	tions in (µ	g/L)				1	
Well and		Elevation	Water	Thickness	Elevation	GRO/			Ethyl-	Total		DO			
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	pH	Comments
MW-4 Cont.															
2/27/1998		11.30	4.22		7.58	- SI	<0.5		(	i ≪it	≪10	3.9	<u>. SPL</u>		
5/8/1996	·	11.80	5.00		6.80	<b></b> '									n an ann a tha maraonaith an tras a tha
3/9/1996		11.80	5,13		6.57	- 30	≪0.5		<1.0	≋1.0	≪10	ತಿವೆ	SPL		
11/7/1996		11.80	5.65		6.15										
2/10/1007		11.80	4.81		6.99						-10		CDI	2.27	
8/4/1997		11.80	5.72		6.08	<50	<0.5	<1.0	<1.0	<1.0	<10	6.4	SPL		
1/27/1998 9/2/1998		11.80 11.80	4.06		7 <i>7</i> 4 6.91	= <50	<0.5	<1.0	<1.0	<1.0	<10	5.8	SPL		
972/1998		11.80	4.89		7.91		<1.0	-1.0 ≪1.0 ∈	<1.0	<10	 ≪TΩ		SIAC	84 (	
8/30/1999		11.80	5.62		6.18										
2/21/2000			4,00		780	≪\$C		_≪0.5	≪0.5 .	<0 <i>5</i>	0.65	 	PACE		
2/12/2001		11.80	4.93		6.87	<50	<0.5	< 0.5	<0.5	<0.5	0.982		PACE		
2/4/2002		11.80	4.49		731		ं ≼0.5	<0.3	<05 <	≪1.0	-30 S		PACE		
8/29/2002		11.80	5.38		6.42										the second second second second second second second
- 2/5/2003		11.30	4.50		- 7-30		≪0ંગઇ	≪0 <i>3</i> 0	<0.50	<0.30	Q25		<u>830</u>		
8/14/2003		11.80				·									0
02/12/2004	P	11.300	4.49		739	< <u>5</u> 0	≪0.50	≪0.570	_≪ <u>0.5</u> 0~	<0.50	<0.30		SEQME	63	Ð.
08/12/2004		11.80	5.20	 Patri Carola i Sant dak	6.60				 <0,50 _	 <0:50	<0.50		SEOM	35	
02/10/2005	P	11.80	4/43 5.09		737 6.71	<50	≪0.40 		S0530						
08/11/2005 02/09/2006		11.80 11-80	4.32		7.48		≪0.50	<0.50	≪0 30	≪0 <i>5</i> 0	≪0.50		SEQM	6.8	
7/26/2006															
3/10/2006	-	11.80	\$.07		6.73						- 				
2/8/2007	Р	11.80	5.10		6.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.63	TAMC	7.07	
3/8/2007		1130	533		<u>5.25</u>						Я.			- I	
2/22/2008	P	11.80	4.35		7.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.61	CEL	6.88	a and a second
3/13/2008		1130	5.70		6.10							9		Ne j	
MW-5								1							
4/1/003		1.511.52	470		635	<\$C	≪0.3	3	≪0.5		-				
7/9/1993		11.62	5.40		6.22	<50	<0.5	<0.5	<0.5	<0.5			PACE		k

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Station #11104, 1716 Webster St., Alameda, CA

		TOC	Depth to	Product	Water Level			Concentra	- itions in (μ	g/L)					
Well and		Elevation	Water	Thickness	Elevation	GRO/			Ethyl-	Total		DO			
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	pH	Comments
MW-5 Cont.															
10/3/1993	-	11.52	5.37		<u>5</u> 75				≪0.5	<0.5			PACE		
1/6/1994		11.62	5.75		5.87	<50	<0.5	<0.5	<0.5	<0.5	<5.0		PACE		<u>1-</u>
4/26/1994	. ÷.		5.49	÷	6.15	- 10 - 10	≪0.5	े ≼05 •	<0.5 Ì		<\$3.0 <5.0		PACE	- <b>-</b>	1-
7/25/1994	 Karati (* 1919	11.62	5.69		5.93 559	<50 ≪50	<0.5	<0.5 ≪0.5	<0.5	<0.5 ≪0.5	<5.0	6.6 3.0	PACE PACE		k K
1/13/13/99/ 1/17/1995		11.62- 11.62	<u>6.03</u> 4.74		6.88										
3/31/1995		11.02	4.58		7.04	S	<0.50	≪0.50	≪0.50	<			ANTI	-	
5/1/1995		11.62	4.79		6.83										
7/12/1995	× .	1.32	532		630 -					o .e					
10/12/1995		11.62	5.70		5.92	<50	<0.50	<0.50	<0.50	<1.0	- <5.0	6.7	ATI .		
2/27/1996	Ð	15:32				-	-				-	=			E.
5/8/1996		11.62	4.91		6.71				 ≤1000	- <10	 <j0< td=""><td> 1 7/7/</td><td> Sipl</td><td></td><td></td></j0<>	 1 7/7/	 Sipl		
8/9// 996		11.62 11.62	5.01 5.54		6.61 6.08	<\$0 		< <u>.</u> .0 							
11/7/1996 2/10/1997	 2014	11.62	4.66		6.9%										
8/4/1997		11.62	5.51		6.11	<50	<0.5	<1.0	<1.0	<1.0	<10	6.9	SPL		an Sangagan an Sangara an Ingeria an Ingeria.
1/27/1998		1.52	4.01		7.5										
9/2/1998		11.62	5.17		6.45	<50	<0.5	<1.0	<1.0	<1.0	<10	6.4	SPL		
2/24/1999		01.62	452		7.10	_ ≪50	<e 0<="" td=""><td></td><td>≪1.0</td><td>&lt;<u>1.0</u></td><td></td><td></td><td>SPL.</td><td></td><td></td></e>		≪1.0	< <u>1.0</u>			SPL.		
8/30/1999		11.62	6.02		5.60								 PACE		
2/21/2000		11.62	4.62		7.00	<50 <50	<0.5 <0.5	<0.5	<0.5	<0.5 <0.5	<0.5		PACE		
2/12/2001 2/4/2002		11.62 11.62	4.80		6.99	<50 ≲50	<0.5	~0.5 ≪0.5	<0.5	<1.0	<0.5		PACE		
8/29/2002		11.62	5,15		6.47										
2/5/2003		11 62	436		726	<50	<0.50	. ≪0.50	≪0. <i>5</i> 0`	≪0-50	≤ ≪2.3		SEQ		
8/14/2003		11.62											·		0
02/12/2004		2. <u>1</u> . <b>52</b> - 1													ter en ser e
08/12/2004		11.62	4.91		6.71						 Riana - Sa (197	 1987 - 1988			
02/,0/2005	્રાષ્ટ્	H.62	4,54		7.08	ં જરૂ	≪0,50	≪0.50	_ ≋0.50	<0.30	0.90		SIEQM	. đ. 2	
08/11/2005 02/09/2006		11.62	4.92	-	6.70										

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Station #11104, 1716 Webster St., Alameda, CA

		TOC	Depth to	Product	Water Level			Concentra	tions in (µ	.g/L)					
Well and		Elevation	Water	Thickness	Elevation	GRO/			Ethyl-	Total	MTDE	DO	Lab	<b></b> _	Comments
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	рН	Comments
MW-5 Cont.													an and marks they give a		ana ang sang sang sang sang sang sang sa
- 3/10/2006		11.62	5.07		633		- A							7.20	
2/8/2007	Р	11.62	5.10	 8	6.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.01	TAMC	7.20	
3/8/2007		11.62	<u>3.42</u> 4.20		<u>5.20</u> 7.42	<i>=</i> <50	<0.50	<0.50	<0.50	<0.50	<0.50	5.52	CEL	7.25	
2/22/2008 5/13/2008	P	11.62 11.62	4.20 3 <u>2</u> 7		(35	~50			-0.50						
QC-2															
			and N-6.5 million and the			≪50	≪0.3	≪0.5	≪0.3	<05 ≤			PACE		
7/9/1993						<50	< 0.5	< 0.5	<0.5	<0.5			PACE		g,k
10/8/1993						<50	-0.5 	<0.3	≪0.5	≪0.5			PACE		<u>y</u> .k
4/26/1994						<50	<0.5	<0.5	<0.5	<0.5	<5.0		PACE		g,k
7/23/1994						_≪50	≪0.5	≪®.5	≪0 <i>3</i>	≪0.5			PACE	ar yang di	<u>9</u> 4
10/13/1994						<50	<0.5	<0.5	<0.5	<0.5			PACE		g,k
_1/17/1995	e e		e.			<50 <50	<0.5 <0.50	<0.50	<0.5 <0.50	<1.0			ATI ATI		g
3/31/1995						<50	<0.50	<0.50		<1.0 <1.0	-		AUNE		2
7/12/1995						<50	<0.50	<0.50	<0.50	<1.0	<5.0		ATI		g
2/27/1996					÷	< 30			≪ <u>i</u> l	<b>4</b> 1	≪10		SPL		<b>3</b>
5/9/1996						<50	<0.5	<1	<1	<1	<10		SPL		g
RW-1															· .
1/6/1394	-	11.84				24.000	3.700	210	- 330	2,000	- 4.J <u>B</u>		PACE		<u>ەلباقى</u>
1/6/1994		11.84	5.59		6.25	23,000	3,800	210	840	2,100	4,663		PACE		c,k
<u>4126/1994</u>		<u>11.34</u>	<b>\$</b> 21		5.63	24,000	3,300	120	300	1.700	3_]45	64	PACE		and a strategic and the second second
4/26/1994		11.84	'			22,000	3,300	110	700	1,700	6,909		PACE		c,d,k
7/25/1994		11.34	5.52		6.32	31-000	4-300	290 240	960	1,700 1,400	≪≶.0 20,608		PACE		c,d,k
7/25/1994	-	11.84 11.84			5.79	28,000	4,400 4.200	46	900	1,400	20,008	63	PACE		
1.0/13/1994 1/17/1995		11.84	4.02		7.82	9,600	1,500	65	300	2,700	<u>8.8.8.8.8.9</u> 	7.7	ATI		ing and the second s
3/31/1995		11.84			8.03	16,000	1,500	780	370	2,000		73	<u>ATI</u>		
5/1/1995		11.84	4.21		7.63			· ·							

Page 8 of 11

Station #11104, 1716 Webster St., Alameda, CA

		TOC	Depth to	Product	Water Level			Concentra	tions in (µ	g/L)					
Well and		Elevation	Water	Thickness	Elevation	GRO/			Ethyl-	Total		DO			
Sample Date	P/NP	(feet msl)	(feet bgs)	(feet)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	Lab	pН	Comments
RW-1 Cont.						,									
7/12/1995		11.84	4.93	2005-86 S	6.91	22,000	3,700	150	950	2,300		7.2			
10/12/1995		11.84	5.46		6.38	30,000	1,600	1,500	1,700	8,500 440	4,300 52	7.0	ATI SPL		
227/1996		11.84	4.00	÷	7 34	1,800	30 30	24 23	41 38	420	94 50		SPL		d
2/27/1996 5/8/1996		11.84 14-84			 710	1,000	50	23 	28	420					
5/9/1996		11.84				3,200	19	19	97	800	<50	7.1	SPL		
5,9/1396		0184				2,900	15	13	78	700			SPL		
8/9/1996		11.84	4.96		6.88				~						
-\$/]2/ <u>[996</u>		11.84				6.900*	210	. 270	ଞ୍ଚ	1.920	≪100	7.9	SPL		
8/12/1996		11.84				8,200	270	330	450	2,330 ≪10	<100	- 6.9	SPL SPL		d
11/7/1996	-	11.84	5.50		-634	6,100 6,800	320 360	45	<10	<10	500		SPL		d
11/7/1996 2/10/1997	-	11.84 11.84				170,000	< 20.	-3 .≪250	250	250	150,000	67	- SPL		
8/4/1997		11.84	4.72		7.12	<25000	580	450	630	3,700	230,000	6.9	SPL		
1/27/1998		11.84	3-30		8.04	52,000	330	\$60	4900	2,970	38,000	<b>C</b> ,1 +	<u>SPL</u>		
1/27/1998		11.84				51,000	380	300	480	2,980	36,000		SPL		d
9/2/1998		Dit <b>3</b> 41				280-060	San and a state of the state of	≪\$0	1,400	3,170	270,000		SPL SPL	a an	C. State
9/2/1998		11.84	4.91		6.93 7.68	260,000	2,500 ≪1.0	56 ≪1_0	1,400	3,070	250,000 1130/140	6.6	SPL SPL		ter an
<u>2/24/1999</u> 8/30/1999		11.82	5.52		6.32	120 3,100	320	<25	120	28	60,000		SPL		
2/21/2000		11.84 	3.52		816	340 1	3.6	13	L. M.	<b>6</b> 6	2,500		PACE		
8/8/2000		11.84	4.85		6.99	1,600	3.2	<0.5	0.82	1.2	19,000		PACE		
2/12/2001		in 34	4.26		7.58	1,500	1.39	<0.5	<0.5	3.69	2,490		PACE	-	
8/13/2001		11.84	5.34		6.50	290	<0.5	<0.5	<0.5	<1.5	314		PACE	 41.65.45.87	
.2%,/2002		11.341	4-08		767(5	\$70	9.5	0.374	19.2	83.8	974 19		PA <u>CE</u> SEO		
8/29/2002		11.84	5.12		6.72	<50 ≪≶0	0.59 ≪0 <i>5</i> 0	<0.50 <0.50	<0.50	<0.50	19		SEQ	a the strategy the	
2/5/2003 8/14/2003		11.84	521		6.63 6.77	<500	<5.0	<5.0	<5.0	5.4	490		SEQ		Р
8/14/2003		11.64	4.19		0.77	120	1.5	S. 0	3.0	4.1	51		SEQM	39	
08/12/2004	P	11.84	5.11		6.73	170	6.9	<0.50	4.5	10	´ <sup>-</sup> 57		SEQM	6.0	
02/10/2005		11.34	46		7.69	<u> </u>	1.6	<0.5U	0.94	≪0.30	39		SEQM	59	

Page 9 of 11

						,			_						
		TOC	Depth to	Product	Water Level	-		Concentra	tions in (µ	.g/L)			÷		
Well and Sample Date	P/NP	Elevation (feet msl)	Water (feet bgs)	Thickness (feet)	Elevation (feet msl)	GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE	DO (mg/L)	Lab	pH	Comments
RW-1 Cont.															
08/11/2005		11.34	4.32		7.02	480	6.5	≪ <u>0</u> ,50	70	N 14	40		SEQM	63	
02/09/2006	Р	11.84	3.95		7.89	<50	1.3	<0.50	0.83	0.80	7.8		SEQM	6.9	
3/10/2006	÷	11.89	4.90		6.94	730	<u>.</u>	્રંગ્ર	150	200	9.9		TAMC	6వ	
2/8/2007	Р	11.84	5.03		6.81	140	4.0	<1.0	<1.0	1.8	.14	4.17	TAMC	6.99	
3/3/2007	P	1.34	5.40	-	<u>644</u>	1\$0	44	<0.50	≪0.50	19	3.0	392	TAME	6.91	
2/22/2008	P	11.84	4.13		. 7.71	120	0.87	<0.50	<0.50	<0.50	13	3.68	CEL	6.78	
3/13/2003	p 🤅	<u>11.34</u>	- 550		3.IA	1,000 -	<u>(</u>	- <u>2</u> .2	451	670		0,45	CHL	372	

Station #11104, 1716 Webster St., Alameda, CA

ABBREVIATIONS AND SYMBOLS: DO = Dissolved oxygenft bgs = Feet below ground surface ft MSL = Feet above mean sea level GRO = Gasoline range organics, range C4-C12 mg/L = Milligrams per liter MTBE = Methyl tert-butyl ether NP = Well not purged prior to sampling P = Well purged prior to sampling TPH-g = Total petroleum hydrocarbons as gasoline  $\mu g/L = Micrograms per liter$ --/--- = Not applicable/available/analyzed/measured < = Not detected at or above specified laboratory reporting limit PACE = Pace Analytical Services, Inc. ATI = Analytical Technologies, Inc. SPL = Southern Petroleum Laboratories SEO/SEOM = Sequoia Analytical/Sequoia Morgan Hill (Laboratories) CEL = CalScience Environmental Laboratories, Inc. TOC = Top of casing measured in ft MSLDTW = Depth to water measured in ft bgs GWE = Groundwater elevation measured in ft MSL

#### FOOTNOTES:

a = TOC elevations surveyed in reference to USGS benchmark 14.108 ft MSL at northwest corner of Webster Street and Pacific Avenue.

b = Groundwater elevations in ft MSL.

c = A copy of the documentation for this data is included in Appendix C of Alisto report 10-155-07-001

d = Blind duplicate.

e = Sample also analyzed for cadmium, nickel, chromium, lead, and zinc. None were detected above the reported detection limit.

f = Well inaccessible.

g = Travel blank.

h = MTBE by EPA Methods 8020/8260.

i = Gasoline does not include MTBE.

j = Unable to sample.

k = A copy of the documentation for this data can be found in Baline Tech Services report 010813-N-2. No chromatograms could be located for MTBE data from wells MW-2, MW-3, MW-4, MW-5, and QC-2, sampled on July 9, 1993; all wells sampled on October 8, 1993; wells MW-1, MW-2, and MW-3, sampled on January 6, 1994; and all wells sampled on October 13, 1994.

1 = Chromatogrom Pattern: Gasoline C6-C10.

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

n = The closing calibration was outside acceptance limits by 1% high. This should be considered inevaluating the result. The avg. % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.

o = The original scope of work only called for annual gauging of well. This issue has been addressed, and in the future, gauging of this well will be semi-annual 1st and 3rd quarter.

p = Groundwater samples analyzed by EPA Method 8260B for TPH-g, BTEX, and MTBE.

q = 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 inclusion of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

r = Possible obstruction in well.

s = Car parked over well.

t = Sample > 4x spike concentration.

#### NOTES:

During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

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 #11104, 1716 Webster St., Alameda, CA

Well and				Concentrati	ons in (µg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-1									
\$/14/2003	≪(0.000	<2.000	4.300 -	<u>~0</u>		<u>39</u>	< <b>X</b>	≪30	
02/12/2004	<2,000	960	1,200	<10	<10	33	<10	<10	
08/12/2004	< <u>1.000</u>	730	260	\$0	<u></u> ≦5,2	93	. ≪5.C	≲\$,0	
02/10/2005	<1,000	2,300	730	<5.0	<5.0	26	<5.0	<5.0	в
08/11/2005	<1.200	460	190		s:0	10	≪5.0	s.)	
02/09/2006	<3,000	. 400	380	<5.0	<5.0	18	<5.0	<5.0	b, c
3/10/2006	<3.000	≪200	47	st.0	<\$.0	≪5.0	≪5,0	≤5.0	
2/8/2007	<3,000	210	130	<5.0 ≪0.50	<5.0 <0.50	7.8 8.7	<5.0	<5.0 <0.50	d (NEBE)
8/8/2007 2/22/2008	<300 <300	190 51	140 59	<0.50	<0.50	3.1	<0.50	< 0.50	C (ULLIDE)
3/13/2008	<500 <\$1000	340	370	<0.30 <5.0	<0.50		< <u>5</u> 0		
MW-2									
- <u>02</u> 1 <u>2 200</u> 4	≪!00		≪0.50	×0.50	≪0.50	<0.50	<0.50	≪0.50	
02/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50 <0.50	<0.50	<0.50	b
02/09/2006 2/8/2007	<300	<20 <20	<0.50	<0.50 <0.50	<0.50	<0.50	<0.50	< 0.50	
2/22/2008	<300	<20	<0.50	<0.50 ≷0.50	<0.50	<0.50	<0.50	<0.50	
MW-3									
02/12/2004	<100	≪20	≤0 <i>3</i> 0	≪0.50	<0.50	≪0-50	≪0.50	<0.50	
02/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50 ≪0.50	<0.50 ≤0.50	Ъ
02/09/2006	<300	<20 <20	<0.50 <0.50	<0.50 <0.50	≪0.50 <0.50	<0.50 <0.50	<0.50	< 0.50	
2/8/2007 2/22/2008	<300 <300	<20 <10	<0.50	<0.50	<0.50	<0.50	<0.50	≪0.50	
	50.00								
MW-4									
02/12/2004	≪100	<	≪0.50	≪0,50	≪0-50	. ≪0.50	1998 - 10 M 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197 - 197	≪0.50	
02/10/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b, c
02/09/2006	≪300	≪20.	<0.50	<0.50	≤0.50 <0.50	≪0.50 <0.50	≪0.50 <0.50	≪0.50 <0.50	
2/8/2007 2/22/2008	<300 <300	<20 ≪!0	<0.50 <0.50	<0.50 ≪0.50	<0.50 ≪0.50	<0.50	<0.50	<0.30 <0.50	

Page 1 of 3

# Table 2. Summary of Fuel Additives Analytical Data

Station #11104, 1716 Webster St., Alameda, CA

Well and				Concentrati	ons in (µg/L)				
Sample Date	Ethanol	ТВА	мтве	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-5									
02/10/2005	≪100	≪20	0.90	≪0-50	≪0.50	≪0.50	≪0.50	≪0,30	D, C
2/8/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
2/22/2003	<b>.</b> <300	≤10	≪0.90	<u>≪</u> C-≶0	≪0.50	≤0.50	\$9.50	≪Q 50	
RW-1									
3/14/2005	≪1,000	<u> ~200</u>	490	0		N.	≪3.0		
02/12/2004	<200	83	51	<1.0	<1.0	1.2	<1.0	<1.0	
03/12/2004	×100	500	57		<0.50	j. j.C	- ≪0.50	. ≪0.30	
02/10/2005	<100	69	39	<0.50	<0.50	0.68	<0.50	<0.50	b, c
08/11/2005	≪1100	390	40	≪050	≪0.50	13	≪0.50	<0.50	
02/09/2006	<300	31	7.8	<0.50	< 0.50	<0.50	<0.50	<0.50	
3/10/2006	≪600	190	છે. છે. છે	st.0	< <u>1</u> .0	\$I:0		<1.0	
2/8/2007	<600	220	14	<1.0	<1.0	<1.0	<1.0	<1.0	
\$/3/2007	sco -	170	\$Q	≪0.50	≪0.50	≪0.50	<0.50	<0.50	
2/22/2008	<300	56	13	<0.50	<0.50	<0.50	<0.50	<0.50	
\$/13/2008	≪00	333	<u>9,0</u>	≪0₅0	<30-50-	≪0.50	≪0.50	≪0.50	

ABBREVIATIONS AND SYMBOLS: TBA = tert-Butyl alcohol MTBE = Methyl tert-butyl ether DIPE = Di-isopropyl ether ETBE = Ethyl tert-butyl ether TAME = tert-Amyl Methyl ether 1,2-DCA = 1,2-Dibromoethane EDB = 1,2-Dichloroethane  $\mu g/L =$  Micrograms per liter - = Not detected at or above specified laboratory reporting limit -- = Not sampled/analyzed

#### FOOTNOTES

a = The continuing calibration was outside of client contractual acceptance limits by 3.4% low. However, it was within the method acceptance limit. The data should still be useful for its intended purpose.

b = Possible high bias for 1,2-DCA due to CCV falling outside acceptance criteria.

c = Callibration verification for ethanol was within method limits but outside contract limits. d = Sample > 4x spike concentration.

#### NOTES:

All fuel oxygenate 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 #11104, 1716	Webster St., Alameda, CA
----------------------	--------------------------

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
2//9//2006	Month Northwest	0.007/
8/10/2006	North-Northwest	0.007
2//EV/2X01017/	NoniniNonihiyese	(01,006)7/
8/8/2007	North-Northwest	0.004
2///2//20018	North Rothwest	01003
8/13/2008	North-Northwest	0.007

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.

Page 1 of 1

# APPENDIX A

# STRATUS GROUND-WATER SAMPLING DATA PACKAGE (INCLUDES FIELD DATA SHEETS, LABORATORY REPORT, CHAIN-OF-CUSTODY DOCUMENTATION, AND FIELD PROCUDURES)



3330 Cameron Park Drive, Ste 550 Cameron Park, California 95682 (530) 676-6004 ~ Fax: (530) 676-6005

September 2, 2008

Mr. Rob Miller Broadbent & Associates, Inc. 2000 Kirman Avenue Reno, NV 89502

Re: Groundwater Sampling Data Package, BP Service Station No. 11104, located at 1716 Webster Street, Alameda, California.

### **General Information**

Data Submittal Prepared / Reviewed by: Becky Carroll / Jay Johnson Phone Number: (530) 676-6000 On-Site Supplier Representative: Jerry Gonzales

Sampling Date: August 13, 2008 Arrival: 7:00 Departure: 8:45 Weather Conditions: Clear Unusual Field Conditions: None noted. Scope of Work Performed: Quarterly monitoring and sampling. Variations from Work Scope: None noted.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include field data sheets, non-hazardous waste data form, chain of custody documentation, certified analytical results, and field procedures for groundwater sampling documentation. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely, STRATUS ENVIRONMENTAL, INC. ONAL 6 PROS . Johnson, P.G. Jay R. Johnson Project Manager ⋟ No. 5867 Attachments: ALE OF Field Data Sheets • CA

- Non-Hazardous Waste Data Form .
- Chain of Custody Documentation •
- Certified Analytical Results •
- Field Procedures for Groundwater Sampling •

cc: Mr. Paul Supple, BP/ARCO

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	ATER SAMPLE FIEI	D DATA SHEET		
PROJECT #: 11104 CLEENT NAME: LOCATION: Alameda-1716 Webster Street	PURGED BY:		WELL I.D.:	
DATE PURGED 8. / 3.0% DATE SAMPLED 7. / 3.0% SAMPLE TYPE: Oroundwater x	START (2400hr) 2 SAMPLE TIME (2400hr) Surface Water	13 / 2 : 70 Treatment Efflue	END (24001)	505 167
CASING DIAMETER: $2^{*}$ Casing Volume: (gallons per foot) $\frac{1}{(0.17)}$	<sup>3"</sup> 4" (0.67)	.5" (1.02)	<sup>8</sup> (1.50) <sup>8</sup> (2.5	Other (0)
DEPTH TO BOTTOM (feet) =		CASING VOLU CALCULATED ACTUAL PURG	PURGE (gnl) =	- C - C - E - S
DATE TIME WATER	FIELD MEASUREN	ENTS .		
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MPLE DEPTH TO WATER: <u>6.09</u>			e turbidity; 🧹	and the second
% RECHARGE:       YES NO         OOR:	ess Steel)	idder Pump	NG EQUIPMENT Bailer (Teffon)	IC or disposable
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PROJECT #: 11104	PURGED BY	1: Sand		\$1:73=3: 2	the figure	1 <i>1 1 - 1</i>
CLIENT NAME:	SAMPLED E	NY: 22	and the second secon		I.D.: <u>R</u>	
LOCATION: <u>Alameda-1716 Websi</u>	er Street	*********			LB I.D.; <u>/</u> MPLES:	Jacob Marine Marin Marine Marine Mari
DATE PURGED 8-13-08		*	<del>renter de la companya de la companya</del> La companya de la comp	XA 39	amelins:	
DATE SAMPLED 8-73 - 8	START (2400		<u>`50</u>	END (	(400hr) Č	*:09
SAMPLE TYPE: Groundwater	SAMPLE TIN		8.00			айда 24 мара на 1999 ж <b>ан на 1999 жан на 1999 жан на 19</b> 99 жан та 1999 жан та 1999 жан та 1999 жан та 1999 жан т
CASTATA A PROPERTY		W BICP	Treatment	Effluent	Other	
A transfer as TR P. N	.17) 3" (0.38)	4*	5 <sup>11</sup>	5° ×	8*	Other
	and the second design of the second	(0.67)	(1.02)	(1.50)	(2.60)	()
DEPTH TO BOTTOM (feet) = 2	2.50	<b></b> `	CASINO VI	OLUME (gal)		* <
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WATER COLUMN HEIGHT (feet) =	1 2.0	c.		URGE (gal) =	84)	
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			Automatica Carriel		Pog	)

# WELLHEAD OBSERVATION FORM

Site Na	me/Number	- <u>///09</u> T	· ·		Dan	= <u>8+/3</u> <		Technican			£ # <u>\$</u>	and the
Well I.D.	Box in Good Condition? 2=7a Mair = 340	Lock Missing? X = 7es septemb Bass = Ny	Water in Wellbox? X - Siz. Sint - No	Water Level Relative to Cap? 5- Morecep 8+ Salercep 1 = Unit with	Well Cap? M = Since or Composed instruct	Bolus Missing? Xolus Sont = No	Boks Stripped? *='ie Met=Ne	Bolt Holes Stripped? <sup>N=Ye</sup> Smis Ne	Cracked or Broken Lid?	Cracked or Broken Box? X=Vn finit = in	Grout Level more tha lft below TOC? X=Ya Ret = Ho	
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•	Drams on site?	
	De and #	
-96		

(No) (Orcie) Plastic: GENERAL SITE CONDITIONS

Make notes on housekeeping conditions (such as trush around remediation system enclosure/compound, bent or missing bollards, signs missing from compound fences, grafitt on compound, etc.)

Note whether drums are full or empty, solids or liquids:

Yes

Dram bbel info (description, date, contact info):

Steel

(variation 3-25-00, 35)

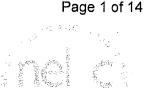
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Garden Groves CA 92841	·····				_  _	BP/AR Facility	Addi	65S.	ľ	716 1	Webs	ter Sti	ret A	Ter me			T2	Consultant/		and the second		Stratus Environn	ionial Inc	
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dress: 2010 Crow Canyon Place, Su	ite 150					Provision or RCC	<u>)P (</u>	_				ovision	l					Consultant/i fele/Fax:		CONTRACTOR DATE:	No. of Concession, Name	Jay Jo	hason	
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August 29, 2008

Jay Johnson Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861

## Subject: Calscience Work Order No.: 08-08-1390 Client Reference: BP 11104

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/15/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

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

Sincerely,

Philip Samelle for

Calscience Environmental Laboratories, Inc. Linda Scharpenberg Project Manager

CA-ELAP ID: 1230 • NELAP ID: 03220CA • CSDLAC ID: 10109 • SCAQMD ID: 93LA0830 7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861 Analytical Report

Date Received: Work Order No:

Preparation:

Method:

# 08/15/08 08-08-1390 EPA 5030B EPA 8015B (M)

Page 1 of 1 Project: BP 11104 Date/Time Date Lab Sample Date/Time QC Batch ID Matrix Instrument Prepared Analyzed **Client Sample Number** Number Collected 08/20/08 080819801 08-08-1390-1-E GC 30 08/19/08 **MW-1** 08/13/08 07:40 Aqueous 01:33 Units Parameter Result <u>RL</u> DF Qual ug/L 7500 50 1 Gasoline Range Organics (C6-C12) REC (%) **Control Limits** Qual Surrogates: LH 1,4-Bromofluorobenzene 216 38-134 08/20/08 080819B01 GC 30 08/19/08 **RW-1** 08-08-1390-2-E Aqueous 08/13/08 02:07 DF Units <u>RL</u> <u>Qual</u> Parameter Result. 50 ug/L Gasoline Range Organics (C6-C12) 1900 1 Surrogates: REC (%) **Control Limits** Qual 1.4-Bromofluorobenzene 95 38-134 08/19/08 11:31 080819B01 08/19/08 N/A GC 30 **Method Blank** 099-12-695-237 Aqueous RL DF Qual <u>Units</u> Result Parameter ND 50 ug/L Gasoline Range Organics (C6-C12) 1 Surrogates: REC (%) **Control Limits** Qual 1,4-Bromofluorobenzene 83 38-134

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

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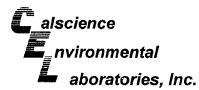
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aboratori	ies, Inc.	,								4	
Stratus Environmental, i					Date Re				<u></u>		8/15/08
3330 Cameron Park Driv	ve, Suite 8	550			Work O						8-1390
Cameron Park, CA 9568	32-8861				Prepara	tion:			E	PA	5030B
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			-		Units:						ug/L
Project: BP 11104			-						Р	age	e 1 of 2
Client Sample Number	-			ıb Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Tim Analyzed	~	C Batch ID
MW-1				1390-1-B	08/13/08 07:40	Aqueous	GC/MS BB	08/20/08	08/20/08 20:14	0	80820L01
Parameter	Result	<u>RL</u>	DE	Qual	Parameter			Result		DF	Qual
Benzene	220	<u>R</u> L 5.0	<u>Dr</u> 10	Qua	Methyl-t-Buty	(Ether (MT8)	F)	370	5.0	10	<u>Añai</u>
1,2-Dibromoethane	ND	5.0 5.0	10		Tert-Butyl Ale		<b>-</b> /	340	100	10	
1,2-Dichloroethane	ND	5.0	10		Diisopropyl E	• •		ND	5.0	10	
Ethylbenzene	130	5.0	10		Ethyl-t-Butyl	Ether (ETBE)		ND	5.0	10	
Toluene	16	5.0	10		Tert-Amyl-Me	ethyl Ether (T	AME)	22	5.0	10	
Xylenes (total)	1600	50	10		Ethanol			ND	3000	10	<b>A</b> 1
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u> Limits		Qual	Surrogates:			<u>REC (%)</u>	<u>Control</u> Limits		Qual
1.2-Dichloroethane-d4	116	73-157			Dibromofluor	omethane		113	82-142		
Toluene-d8	102	82-112			1,4-Bromoflu			100	75-105		
<b>RW-1</b>			08-08-	1390-2 <b>-</b> 8	08/13/08 08:30	Aqueous	GC/MS BB	08/20/08	08/20/08 20:47	Q	80820L01
Description				<u>.</u>	Decretar			Douilt	DI		Qual
Parameter	Result	RL	DE	<u>Qual</u>	Parameter Method t Buth	Ethor (MTD)		<u>Result</u> 9.0	<u>RL</u> 0.50	<u>DF</u> 1	Qual
Benzene 1,2-Dibromoethane	60 ND	20 0.50	40		Methyl-t-Buty Tert-Butyl Ale	•	=)	38	10	1	
1,2-Dichloroethane	ND	0.50	1 1		Dilsopropyl E			ND	0.50	1	
Ethylbenzene	4.1	0.50	1		Ethyl-t-Butyl			ND	0.50	1	
Toluene	2.2	0.50	1		Tert-Amyl-Me			ND	0.50	1	
Xylenes (total)	670	20	1		Ethanol			ND	300	1	
Surrogates:	<u>REC (%)</u>	Control		Qual	Surrogates:			REC (%)	Control		Qual
4.0 Disblassathana dd	444	Limits			Dibromofluor	emothene		110	<u>Limits</u> 82-142		
1,2-Dichloroethane-d4 Toluene-d8	111 101	73-157 82-112			Dibromofluor 1,4-Bromoflu			102	75-105		
Method Blank			099-12	-703-400	N/A	Aqueous	GC/MS BB		08/20/08	C	80820L01
,					·			:			
Parameter	<u>Result</u>	<u>RL</u>	DF	Qual	Parameter			Result		DF	<u>Qual</u>
Benzene	ND	0.50	1		Methyl-t-Buty	•	E)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Ald			ND	10	1	
1,2-Dichloroethane	ND	0.50	1.		Diisopropyl E	, ,		ND ND	0.50	1	
Ethylbenzene Toluene	ND ND	0.50 0.50	1 1		Ethyl-t-Butyl i Tert-Amyl-Me			ND ND	0.50 0.50	1 1	
Xylenes (total)	ND	0.50	1		Ethanol			ND	300	1	
Surrogates:	REC (%)	Control	1	Qual	Surrogates:			REC (%)	Control		Qual
		Limits							Limits		
1,2-Dichloroethane-d4	113	73-157			Dibromofluor			108	82-142		
Toluene-d8	89	82-112			1,4-Bromoflu	orobenzene		94	75-105		

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DF - Dilution Factor RL - Reporting Limit

Qual - Qualifiers

M nM



Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861


Date Received:

Work Order No:

Preparation:

Method:

Units:



08/15/08

08-08-1390

EPA 5030B

EPA 8260B

ug/L

Client Sample Number				ab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepare	Date/T d Analy;		QC Batch ID
Method Blank		н 1	099-12	2-703-402	N/A	Aqueous	GC/MS BB	08/21/08	08/21/ 16:2		080821L01
Parameter	Result	<u>RL</u>	DE	Qual	Parameter			Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl	Ether (MTB	E)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alco	ohol (TBA)		ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Eti	her (DIPE)		ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl E	ther (ETBE)		ND	0.50	1	
Foluene	ND	0.50	1		Tert-Amyl-Met	hyl Ether (T	AME)	ND	0.50	1	
Kylenes (total)	ND	0.50	1		Ethanol			ND	300	1	
Surrogates:	REC (%)	<u>Control</u> Limits		Qual	Surrogates:			<u>REC (%)</u>	<u>Control</u> Limits		Qual
1,2-Dichloroethane-d4	101	73-157			Dibromofluoro	methane		99	82-142		
Foluene-d8	96	82-112			1,4-Bromofluo	robenzene		93	75-105		

**Analytical Report** 

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

mM



# **Quality Control - Spike/Spike Duplicate**

Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861

Date Received:	08/15/08
Work Order No:	08-08-1390
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project BP 11104

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number
08-08-1393-2	Aqueous	GC 30	08/19/08		08/19/08	080819501
Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	95	102	38-134	8	0-25	2

RPD - Relative Percent Difference, CL - Control Limit



# Quality Control - Spike/Spike Duplicate



Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861

Date Received:	08/15/08
Work Order No:	08-08-1390
Preparation:	EPA 5030B
Method:	EPA 8260B

#### Project BP 11104

Parameter         MS %REC         MSD %REC         %REC CL         RPD         RPD CL         Qualif           Benzene         103         109         86-122         6         0-8         0         0         9         0         0         0         9         0         0         9         0         0         9         0         0         9         0         0         9         0         0         0         9         1,2-Ditorobenzene         112         112         70-130         4         0-30         1,2-Ditorobenzene         106         111         89-119         4         0-10         1,1-Dichlorobenzene         106         111         10-30         1         0-30         1         0-30         1         0-30         1         0-30         1         0-12         1         10-12         1         10-12         1         10-12         1         1         10-12         1         0-10         1	Quality Control Sample ID	Matrix	Instrument	Date Prepare	d	Date Analyzed	MS/MSD Batch Number
Benzene         103         109         86-122         6         0-8           Carbon Tetrachloride         112         112         78-138         0         0-9           Chlorobenzene         112         112         90-120         0         0-9           1,2-Dibromoethane         108         112         70-130         4         0-30           1,2-Dichlorobenzene         106         111         89-119         4         0-10           1,1-Dichloroethene         76         89         52-142         16         0-23           Ethylbenzene         94         96         70-130         1         0-30           Toluene         103         104         85-127         1         0-12           Trichloroethene         109         109         78-126         0         0-10           Vinyl Chloride         111         119         56-140         6         0-21           Methyl-t-Butyl Ether (MTBE)         106         115         64-136         8         0-28           Tert-Butyl Alcohol (TBA)         89         83         27-183         6         0-60           Dilsopropyl Ether (DIPE)         99         103         78-126         4 </th <th>08-08-1514-1</th> <th>Aqueo</th> <th>us GC/MS BB</th> <th>08/20/08</th> <th>3</th> <th>08/20/08</th> <th>080820501</th>	08-08-1514-1	Aqueo	us GC/MS BB	08/20/08	3	08/20/08	080820501
Benzene         103         109         86-122         6         0-8           Carbon Tetrachloride         112         112         78-138         0         0-9           Chlorobenzene         112         112         90-120         0         0-9           1,2-Dibromoethane         108         112         70-130         4         0-30           1,2-Dichlorobenzene         106         111         89-119         4         0-10           1,1-Dichloroethene         76         89         52-142         16         0-23           Ethylbenzene         94         96         70-130         1         0-30           Toluene         103         104         85-127         1         0-12           Trichloroethene         109         109         78-126         0         0-10           Vinyl Chloride         111         119         56-140         6         0-21           Methyl-t-Butyl Ether (MTBE)         106         115         64-136         8         0-28           Tert-Butyl Alcohol (TBA)         89         83         27-183         6         0-60           Dilsopropyl Ether (DIPE)         99         103         78-126         4 </th <th>· · · · · · · · · · · · · · · · · · ·</th> <th>·····</th> <th></th> <th></th> <th></th> <th></th> <th>•</th>	· · · · · · · · · · · · · · · · · · ·	·····					•
Carbon Tetrachloride       112       112       78-138       0       0-9         Chlorobenzene       112       112       90-120       0       0-9         1,2-Dibromoethane       108       112       70-130       4       0-30         1,2-Dichlorobenzene       106       111       89-119       4       0-10         1,2-Dichlorobenzene       106       111       89-119       4       0-10         1,1-Dichloroethene       76       89       52-142       16       0-23         Ethylbenzene       94       96       70-130       1       0-30         Toluene       103       104       85-127       1       0-12         Trichloroethene       109       109       78-126       0       0-10         Vinyl Chloride       111       119       56-140       6       0-21         Wethyl-t-Butyl Ether (MTBE)       106       115       64-136       8       0-28         Tert-Butyl Alcohol (TBA)       89       83       27-183       6       0-60         Dilsopropyl Ether (DIPE)       98       78       67-133       23       0-21       B         Tert-Amyl-Methyl Ether (TAME)       90 <t< th=""><th>Parameter</th><th>MS %REC</th><th>MSD %REC</th><th>%REC CL</th><th><u>RPD</u></th><th>RPD CL</th><th>Qualifiers</th></t<>	Parameter	MS %REC	MSD %REC	%REC CL	<u>RPD</u>	RPD CL	Qualifiers
Chlorobenzene       112       112       90-120       0       0-9         1,2-Dibromoethane       108       112       70-130       4       0-30         1,2-Dichlorobenzene       106       111       89-119       4       0-10         1,1-Dichloroethene       76       89       52-142       16       0-23         Ethylbenzene       94       96       70-130       1       0-30         Toluene       103       104       85-127       1       0-12         Trichloroethene       109       109       78-126       0       0-10         Vinyl Chloride       111       119       56-140       6       0-21         Methyl-t-Butyl Ether (MTBE)       106       115       64-136       8       0-28         Tert-Butyl Alcohol (TBA)       89       83       27-183       6       0-60         Dilsopropyl Ether (DIPE)       99       103       78-126       4       0-16         Ethyl-t-Butyl Ether (ETBE)       98       78       67-133       23       0-21       B         Tert-Amyl-Methyl Ether (TAME)       90       100       63-141       11       0-21       B	Benzene	103	109	86-122	6	0-8	
1,2-Dibromoethane10811270-13040-301,2-Dichlorobenzene10611189-11940-101,1-Dichloroethene768952-142160-23Ethylbenzene949670-13010-30Toluene10310485-12710-12Trichloroethene10910978-12600-10Vinyl Chloride11111956-14060-21Methyl-t-Butyl Ether (MTBE)10611564-13680-28Dilsopropyl Ether (DIPE)9910378-12640-16Ethyl-t-Butyl Ether (ETBE)987867-133230-21BTert-Amyl-Methyl Ether (TAME)9010063-141110-21	Carbon Tetrachloride	112	112	78-138	0	0-9	
1,2-Dichlorobenzene       106       111       89-119       4       0-10         1,2-Dichlorobenzene       106       111       89-119       4       0-10         1,1-Dichloroethene       76       89       52-142       16       0-23         Ethylbenzene       94       96       70-130       1       0-30         Toluene       103       104       85-127       1       0-12         Trichloroethene       109       109       78-126       0       0-10         Vinyl Chloride       111       119       56-140       6       0-21         Methyl-t-Butyl Ether (MTBE)       106       115       64-136       8       0-28         Tert-Butyl Alcohol (TBA)       89       83       27-183       6       0-60         Dilsopropyl Ether (DIPE)       99       103       78-126       4       0-16         Ethyl-t-Butyl Ether (ETBE)       98       78       67-133       23       0-21       B         Tert-Amyl-Methyl Ether (TAME)       90       100       63-141       11       0-21       B	Chlorobenzene	112	112	90-120	0	0-9	
1,1-Dichloroethene       76       89       52-142       16       0-23         Ethylbenzene       94       96       70-130       1       0-30         Toluene       103       104       85-127       1       0-12         Trichloroethene       109       109       78-126       0       0-10         Vinyl Chloride       111       119       56-140       6       0-21         Methyl-t-Butyl Ether (MTBE)       106       115       64-136       8       0-28         Tert-Butyl Alcohol (TBA)       89       83       27-183       6       0-60         Dilsopropyl Ether (DIPE)       99       103       78-126       4       0-16         Ethyl-t-Butyl Ether (TAME)       90       100       63-141       11       0-21	1,2-Dibromoethane	108	112	70-130	4	0-30	
Ethylbenzene       94       96       70-130       1       0-30         Toluene       103       104       85-127       1       0-12         Trichloroethene       109       109       78-126       0       0-10         Vinyl Chloride       111       119       56-140       6       0-21         Methyl-t-Butyl Ether (MTBE)       106       115       64-136       8       0-28         Tert-Butyl Alcohol (TBA)       89       83       27-183       6       0-60         Dilsopropyl Ether (DIPE)       99       103       78-126       4       0-16         Ethyl-t-Butyl Ether (TAME)       90       100       63-141       11       0-21	1,2-Dichlorobenzene	106	111	89-119	4	0-10	
Toluene       103       104       85-127       1       0-12         Trichloroethene       109       109       78-126       0       0-10         Vinyl Chloride       111       119       56-140       6       0-21         Methyl-t-Butyl Ether (MTBE)       106       115       64-136       8       0-28         Tert-Butyl Alcohol (TBA)       89       83       27-183       6       0-60         Dilsopropyl Ether (DIPE)       99       103       78-126       4       0-16         Ethyl-t-Butyl Ether (ETBE)       98       78       67-133       23       0-21       B         Tert-Amyl-Methyl Ether (TAME)       90       100       63-141       11       0-21	1,1-Dichloroethene	76	89	52-142	16	0-23	
Trichloroethene       109       109       78-126       0       0-10         Vinyl Chloride       111       119       56-140       6       0-21         Methyl-t-Butyl Ether (MTBE)       106       115       64-136       8       0-28         Tert-Butyl Alcohol (TBA)       89       83       27-183       6       0-60         Dilsopropyl Ether (DIPE)       99       103       78-126       4       0-16         Ethyl-t-Butyl Ether (ETBE)       98       78       67-133       23       0-21       B         Tert-Amyl-Methyl Ether (TAME)       90       100       63-141       11       0-21	Ethylbenzene	94	96	70-130	1	0-30	
Vinyl Chloride         111         119         56-140         6         0-21           Methyl-t-Butyl Ether (MTBE)         106         115         64-136         8         0-28           Tert-Butyl Alcohol (TBA)         89         83         27-183         6         0-60           Dilisopropyl Ether (DIPE)         99         103         78-126         4         0-16           Ethyl-t-Butyl Ether (ETBE)         98         78         67-133         23         0-21         B           Tert-Amyl-Methyl Ether (TAME)         90         100         63-141         11         0-21	Toluene	103	104	85-127	1	0-12	
Methyl-t-Butyl Ether (MTBE)         106         115         64-136         8         0-28           Tert-Butyl Alcohol (TBA)         89         83         27-183         6         0-60           Dilsopropyl Ether (DIPE)         99         103         78-126         4         0-16           Ethyl-t-Butyl Ether (ETBE)         98         78         67-133         23         0-21         B           Tert-Amyl-Methyl Ether (TAME)         90         100         63-141         11         0-21	Trichloroethene	109	109	78-126	0	0-10	
Tert-Butyl Alcohol (TBA)         89         83         27-183         6         0-60           Dilsopropyl Ether (DIPE)         99         103         78-126         4         0-16           Ethyl-t-Butyl Ether (ETBE)         98         78         67-133         23         0-21         B           Tert-Amyl-Methyl Ether (TAME)         90         100         63-141         11         0-21	Vinyl Chloride	111	119	56-140	6	0-21	
Disopropyl Ether (DIPE)         99         103         78-126         4         0-16           Ethyl-t-Butyl Ether (ETBE)         98         78         67-133         23         0-21         B           Tert-Amyl-Methyl Ether (TAME)         90         100         63-141         11         0-21	Methyl-t-Butyl Ether (MTBE)	106	115	64-136	8	0-28	
Ethyl-t-Butyl Ether (ETBE)         98         78         67-133         23         0-21         B           Tert-Amyl-Methyl Ether (TAME)         90         100         63-141         11         0-21	Tert-Butyl Alcohol (TBA)	89	83	27-183	6	0-60	
Tert-Amyl-Methyl Ether (TAME)         90         100         63-141         11         0-21	Dilsopropyl Ether (DIPE)	99	103	78-126	4	0-16	
	Ethyl-t-Butyl Ether (ETBE)	98	78	67-133	23	0-21	BA,A
Ethanol 84 83 11-167 1 0-64	Tert-Amyl-Methyl Ether (TAME)	90	100	63-141	11	0-21	
	Ethanol	84	83	11-167	1	0-64	

RPD - Relative Percent Difference, CL - Control Limit



# **Quality Control - Spike/Spike Duplicate**



aboratories, Inc.

Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 55 Cameron Park, CA 95682-8861

	Date Received:	08/15/08
50	Work Order No:	08-08-1390
	Preparation:	EPA 5030B
	Method:	EPA 8260B

#### Project BP 11104

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number
08-08-1521-1	Aqueou	s GC/MS BB	08/21/08		08/21/08	080821S01
· · · · · · · · · · · · · · · · · · ·						
Parameter	MS %REC	MSD %REC	<u>%REC CL</u>	<u>RPD</u>	RPD CL	Qualifiers
Benzene	97	98	86-122	2	0-8	
Carbon Tetrachloride	99	98	78-138	1	0-9	
Chlorobenzene	103	101	90-120	1	0-9	
1,2-Dibromoethane	102	101	70-130	1	0-30	
1,2-Dichlorobenzene	101	98	89-119	3	0-10	
1,1-Dichloroethene	82	89	52-142	9	0-23	
Ethylbenzene	97	96	70-130	1	0-30	
Toluene	100	96	85-127	4	0-12	
Trichloroethene	97	93	78-126	3	0-10	
Vinyl Chloride	114	112	56-140	2	0-21	
Methyl-t-Butyl Ether (MTBE)	106	107	64-136	1	0-28	
Tert-Butyl Alcohol (TBA)	98	91	27-183	8	0-60	
Diisopropyl Ether (DIPE)	105	103	78-126	1	0-16	
Ethyl-t-Butyl Ether (ETBE)	107	107	67-133	0	0-21	
Tert-Amyi-Methyl Ether (TAME)	106	111	63-141	5	0-21	
Ethanol	101	84	11-167	19	0-64	

RPD - Relative Percent Difference, CL - Control Limit

# Page 8 of 14



# Quality Control - LCS/LCS Duplicate



Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861 Date Received: Work Order No: Preparation: Method: N/A 08-08-1390 EPA 5030B EPA 8015B (M)

Project: BP 11104

Quality Control Sample ID	Matrix	Instrumer	Da t Prep		Da Analy		LCS/LCSD Batcl Number	1
099-12-695-237	Aqueous	GC 30	08/1	9/08	08/19	/08	080819B01	·
Parameter	LCS 9	REC LC	SD %REC	<u>%R</u>	C CL	<u>RPD</u>	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	90		95	78	-120	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit

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# Quality Control - LCS/LCS Duplicate



Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861

Date Received:	N/A
Work Order No:	08-08-1390
Preparation:	EPA 5030B
Method:	EPA 8260B

### Project: BP 11104

Quality Control Sample ID	Matrix	Instrument	Date Prepared		ate yzed	LCS/LCSD Numbe	
099-12-703-400	Aqueous	GC/MS BB	08/20/08	08/2	0/08	080820L01	
Parameter	LCS %REC	LCSD %REC	<u>%REC CL</u>	ME_CL	<u>RPD</u>	RPD CL	Qualifiers
Benzene	103	99	87-117	82-122	4	0-7	
Carbon Tetrachloride	109	106	78-132	69-141	3	0-8	
Chlorobenzene	113	107	88-118	83-123	6	0-8	
1,2-Dibromoethane	109	105	80-120	73-127	4	0-20	
1.2-Dichlorobenzene	106	106	88-118	83-123	1	0-8	
1.1-Dichloroethene	89	91	71-131	61-141	1	0-14	
Ethylbenzene	. 101	95	80-120	73-127	7	0-20	
Toluene	103	106	85-127	78-134	3	0-7	
Trichloroethene	111	108	85-121	79-127	3	0-11	
Vinyl Chloride	117	113	64-136	52-148	3	0-10	
Methyl-t-Butyl Ether (MTBE)	102	100	67-133	56-144	2	0-16	
Tert-Butyl Alcohol (TBA)	86	87	34-154	14-174	2	0-19	
Diisopropyl Ether (DIPE)	. 96	92	80-122	73-129	4	0-8	
Ethyl-t-Butyl Ether (ETBE)	93	92	73-127	64-136	1	0-11	
Tert-Amyl-Methyl Ether (TAME)	90	89	69-135	58-146	1	0-12	
Ethanol	85	91	34-124	19-139	7	0-44	

Total number of LCS compounds : 16 Total number of ME compounds : 0 Total number of ME compounds allowed : 1 LCS ME CL validation result : Pass

RPD - Relative Percent Difference, CL - Control Limit

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N/A

08-08-1390 EPA 5030B

EPA 8260B



# Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc. 3330 Cameron Park Drive, Suite 550 Cameron Park, CA 95682-8861 Date Received: Work Order No: Preparation: Method:

#### Project: BP 11104

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Da Anal	ate yzed	LCS/LCSD Numbe	
099-12-703-402	Aqueous	GC/MS BB	08/21/08	08/2	1/08	080821L01	
Parameter	LCS %REC	LCSD %REC	<u>%REC CL</u>	ME_CL	<u>RPD</u>	RPD CL	Qualifiers
Benzene	101	96	87-117	82-122	6	0-7	
Carbon Tetrachloride	101	99	78-132	69-141	3	0-8	
Chlorobenzene	102	101	88-118	83-123	0	0-8	
1.2-Dibromoethane	99	.103	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	103	100	88-118	83-123	4	0-8	
1,1-Dichloroethene	99	87	71-131	61-141	13	0-14	
Ethylbenzene	109	105	80-120	73-127	4	0-20	
Toluene	100	103	85-127	78-134	3	0-7	
Trichloroethene	101	98	85-121	79-127	2	0-11	
Vinyl Chloride	120	114	64-136	52-148	6	0-10	
Methyl-t-Butyl Ether (MTBE)	105	102	67-133	56-144	2	0-16	
Tert-Butyl Alcohol (TBA)	90	92	34-154	14-174	3	0-19	
Diisopropyl Ether (DIPE)	102	99	80-122	73-129	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	104	104	73-127	64-136	1	0-11	
Tert-Amyl-Methyl Ether (TAME)	108	105	69-135	58-146	3	0-12	
Ethanol	98	83	34-124	19-139	17	0-44	

 Total number of LCS compounds :
 16

 Total number of ME compounds :
 0

 Total number of ME compounds allowed :
 1

 LCS ME CL validation result :
 Pass

RPD - Relative Percent Difference , CL - Control Limit

М



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# **Glossary of Terms and Qualifiers**



Work Order Number: 08-08-1390

Qualifier	Definition
AX	Sample too dilute to quantify surrogate.
AY	Matrix interference suspected
BA	Relative percent difference out of control.
BA,AY	Relative percent difference out of control, matrix interference suspected.
BB	Sample > 4x spike concentration.
BF	Reporting limits raised due to high hydrocarbon background.
BH	Reporting limits raised due to high level of non-target analytes.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
BY	Sample received at improper temperature.
CL	Initial analysis within holding time but required dilution.
CQ	Analyte concentration greater than 10 times the blank concentration.
CU	Surrogate concentration diluted to not detectable during analysis.
DF	Reporting limits elevated due to matrix interferences.
ET	Sample was extracted past end of recommended max. holding time.
EY	Result exceeds normal dynamic range; reported as a min est.
GN	Surrogate recovery is outside of control limits.
GS	Internal standard recovery is outside method recovery limit.
IB	CCV recovery abovelimit; analyte not detected.
IH	Calibrtn. verif. recov. below method CL for this analyte.
IJ	Calibrtn. verif. recov. above method CL for this analyte.
J,DX	J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.
LA	Confirmatory analysis was past holding time.
LG	Surrogate recovery below the acceptance limit.
LH	Surrogate recovery above the acceptance limit.
LM,AY	MS and/or MSD above acceptance limits. See Blank Spike (LCS). Matrix interfence suspected.
LN,AY	MS and/or MSD below acceptance limits. See Blank Spike (LCS). Matrix interfence suspected.
LQ	LCS recovery above method control limits.

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### Work Order Number: 08-08-1390

Qualifier	Definition
LR	LCS recovery below method control limits.
MB	Analyte present in the method blank.
MG	Analyte is a suspected lab contaminate.
PC	Sample taken from VOA vial with air bubble > 6mm diameter.
PI	Primary and confirm results varied by > than 40% RPD.
RB	RPD exceeded method control limit; % recoveries within limits.

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Page	1	of	1

Atlantic Richfield Company	C Pre BP
bp	Sta
A BP affiliated company	

# Chain of Custody Record

oject Name: BP 11104 P BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > CA > Alameda>11104

On-site Time: 700	Temp: 65	
Off-site Time: 845	Temp: 6 S	
Sky Conditions: Clew		
Meteorological Events: NOW	Ф	
Wind Speed:	Direction: 6	
		_

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

Lab Name: Calscience	Г	BP/AR Facility No.	:	111	04									Cor	sult	ant/C	Cont	racte	or:		Stratus Environmen	tal, Inc	λ.		
Address: 7440 Lincoln Way		BP/AR Facility Add	iress:		1716	i Wel	bstei	r Str	eet,	Alar	neda			Ado	ires	s:	33	330	Ca	mer	on Park Drive, Su	ite 550	)		
Garden Grove, CA 92841		Site Lat/Long:															C	ame	ror	n Pa	rk, CA 95682				
Lab PM: Linda Scharpenberg		California Global II	)#:	<b>T</b> 00	5001	0165	1							Cor	isult	ant/C	Cont	racto	or P	roje	ct No.:				
Tele/Fax: 714-895-5494 714-895-7501(fax)		Enfos Project No.:	G0	7TB	-002	3							_	Cor	isult	ant/(	Cont	racto	эrР	M:	Jay Johr	15011			
BP/AR PM Contact: Paul Supple		Provision or RCOP	(cire	le or	le)		Prov	rision	1					Tek	e/Fa	x:	(5	30)	67	6-6	000 / (530) 676-60	Ю5			
Address: 2010 Crow Canyon Place, Suite 150		Phase/WBS:		04-N	Ionit	oring	5					_		Rep	ort	Туре	& (	QCI	eve	::	Level 1	with EI	DF		
San Ramon, CA	╨	Sub Phase/Task:		03-A	naly	tical								0	_	_		_		_	@stratusinc.net				
Tele/Fax: 925-275-3506	╧	Cost Element:		01-0	ontr	actor	labo	r									_	ntic	Ric	hfie	ld Co.				
Lab Bottle Order No: Matri	<u>x</u>				P	reser	vati	ve			-	· · · ·	Requ	ueste	d A	naly	sis								
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BP COC Rev. 5 10/11/2006

Page 14 of 14 WORK ORDER #: 08 - 0 8 - 1 3 9 0 SAMPLE RECEIPT FORM CLIENT:
WORK ORDER #: 08 - 0 8 - 1 3 9 0         SAMPLE RECEIPT FORM         CLIENT:       Stady         Stady       DATE:         SAMPLE RECEIPT FORM         CLIENT:       Stady         DATE:       Stady         Chilled, cooler with temperature blank.       3 . 2 °C Temperature blank.         Chilled, cooler with temperature blank.       - °C IR Thermometer.         Chilled, cooler with utemperature blank.       - °C IR Thermometer.         Chilled and placed in cooler with wet ice.       Amblent temperature (For Air & Filter Only).         Amblent and placed in cooler with wet ice.       Amblent temperature blank.         Corder       Initial:         More of Cooler:       Initial:         Molent temperature blank.       Initial:         More of Cooler:       No (Not Intact):         No (Not Intact):       Not Present:         Initial:       More         Sample(s):       Cooler:         Sample container label(s) consistent with custody papers.       More         Sample container label(s) consistent with custody papers.       More         Sample container label(s) intact and good condition.       More         Correct containers and volume for analyses requested.       More         More       More       More
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Sample(s):       Cooler:       No (Not Intact) :       Not Present:         Initial:       Initial:       Initial:         SAMPLE CONDITION:       Yes       No         Chain-Of-Custody document(s) received with samples.       Yes       No         Sampler's name indicated on COC.       Yes       No         Sample container label(s) consistent with custody papers.       Yes       Yes         Sample container(s) intact and good condition.       Yes       Yes         Correct containers and volume for analyses requested.       Yes       Yes         VOA vial(s) free of headspace.       Yes       Yes
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Proper preservation noted on sample label(s)
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# ATTACHMENT

# FIELD PROCEDURES FOR GROUNDWATER SAMPLING

The sampling procedures for groundwater monitoring events are contained in this appendix.

#### Equipment Calibration

Standard groundwater sampling equipment – pH/Conductivity/Temperature meter, and dissolved oxygen (DO) meters are calibrated prior to all field work. All calibration is conducted in accordance with equipment manufacturer's recommended procedure and buffer solutions. MSDS for all buffer solutions are maintained in Stratus vehicles. Calibration is completed everyday prior to field work and also once a week. The pH probe is calibrated for a pH of 7.0 daily and for 4.0, 7.0 and 10.0 weekly. The conductivity probe is calibrated for 1413  $\mu$ s daily and 1413  $\mu$ s and 447  $\mu$ s weekly. The temperature probe is calibrated weekly with a NIST-traceable thermometer. The DO probe is calibrated for 100% oxygen daily and 0% and 100% oxygen weekly. All calibration logs are maintained in the Stratus office.

#### Groundwater and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

Prior to measuring the depth to liquid in the well, the well caps are removed and the liquid level allowed to stabilize. A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the groundwater depth in monitoring wells that do not contain LPH. Depth to groundwater or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

#### Subjective Analysis of Groundwater

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

#### Monitoring Well Sampling

In many cases, determining whether to purge or not to purge wells prior to sample collection is made in the field and is often based on depth to water relative to the screen interval of the well. Site-specific field data sheets present details associated with the purge method and equipment used.

Monitoring wells, when purged, use a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water has been removed. Field measuring equipment is calibrated and maintained according to the manufacturer's instructions. If three well volumes cannot be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a groundwater sample is then collected from each of the wells using disposable bailers.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air accumulation in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

### Groundwater Sample Labeling and Preservation

Samples are collected in appropriate containers supplied by the laboratory. All required chemical preservation is added to the bottles prior to delivery to Stratus. Sample label information includes a unique sample identification number, job identification number, date, and time. After labeling, all groundwater samples are placed in a Ziploc<sup>®</sup> type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip and temperature blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

### Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and

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contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

### Equipment Cleaning

All reusable sampling equipments are cleaned using phosphate-free detergents and rinsed with de-ionized water.

#### **APPENDIX B**

### GETTLER-RYAN GROUND-WATER MONITORING AND ANAYTICAL RESULTS (CHEVRON SERVICE STATION #9-0290)

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### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290

1802 Webster Street

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WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	E			그는 그는 이 승규는 것이 가지 않는 것이 하는 것이 같이 하는 것이 같이 하는 것이 같이 하는 것이 하는 것이 같이 같이 하는 것이 같이 하는 것이 같이 하는 것이 같이 않는 것이 같이 하는 것이 같이 같이 하는 것이 하는 것이 같이 하는 것이 하는 것이 같이 하는 것이 같이 않아. 것이 같이 하는 것이 같이 하는 것이 같이 하는 것이 같이 않아. 것이 같이 하는 것이 같이 하는 것이 같이 않아. 귀에 하는 것이 같이 않아. 것이 같이 하는 것이 같이 않아. 것이 같이 않아. 것이 같이 않아. 것이 같이 않아. 것이 않아. 않아. 것이 않아.
DATE	(fl.)	(msl)	(ft.)	(fl.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-1													
09/20/91	8.13	0.48	9.23	1.58	<b></b> ·								
10/09/91	8.13	1.46	ó.67	0.00			· ·						-
10/17/91	8.13	1.43	7.28	0.58							'		
10/23/91	8.13	1.36	7.42	0.65									
11/01/91	8.13	1.49	7.14	0.50									
11/07/91	8.13	1.50	7.14	0.51									
11/15/91	8.13	1.47	7.19	0.53									
11/21/91	8.13	1.28	7.28	0.54	· ·								
12/12/91	8.13	1.29	7.33	0.49									
12/30/91	8.13	1.73	6.76	0.36									
01/13/92	8.13	2.21	6.29	0.37									
01/22/92	8.13	2.15	6.43	0.45									
02/12/92	8.13	2.21	6.30	0.38									
03/09/92	8.13	3.14	5.30	0.31									
04/10/92	8.13	2.83	5.37	0.07									
05/18/92	8.13	2.39	6.14	0.40									
01/06/93	8.13												·
02/03/93	8.13			· ·									
04/23/93	11.56	6.19	5.85	0.60			"				<del></del> ·	'	
06/11/93	11.56				2.00								
06/15/93	11.56				0.13			·			·		
06/18/93	11.56				0.13								
06/22/93	11.56				0.50								
06/29/93	11.56					<b></b>							
07/09/93	11.56												
07/15/93	11.56	·											
07/19/93	11.56	5.54	6.23	0.26	2.00								
07/20/93	11.56	J.J4											
07/20/93	11.56												
	11.56						<b></b>						
08/06/93	11.56												
08/10/93 08/16/93	11.56												
	11.56 11.56												
09/16/93	11.56 11.56				<b></b> '								
09/24/93 10/01/93	11.56						·						

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### Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0290

1802 Webster Street

#### Alameda, California

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		백년 1911 19 <u>12</u> - 1913	(* 12) 1997 - Standard (* 1997) 1997 - Standard (* 1997)	CEL	SPH REMOVED	TPH-D	TPH-G	В	Т	Ĕ	X	MTBE	TOG
WELL ID/	TOC*	GWE	DTW	SPHT	31		μg/L)	μg/L)	 (μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
DATE	(fi.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(μg/L)	(µg/L)	(48,2)		<u> </u>		
A-1 (cont)													
10/07/93	11.56												
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10/19/93	11.56			0.10									
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11/19/93	11.56												
11/30/93	11.56												
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01/17/94	11.56												
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03/16/94	11.56							'					
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04/01/94	11.56			'									
08/18/94	11.56												
11/30/94	11.56				2.00								
02/15/95	11.56		4.79					,					
05/01/95	11.56												
08/04/95	11.56												
11/29/95	11.56	5.24	6.38	0.08	0.03								
02/08/96	11.56	7.03	4.57	0.05									
05/08/96	11.56	6.29	5.49	0.28									
08/23/96	11.56	5.31	6.43	0.22				·					
12/12/96	11.56	6.37	5.53	0.42	0.05								
02/10/97	11.56	7.25	4.45	0.17	0.08	'							f08/13/08

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### Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0290

1802 Webster Street

Alameda, California

					SPH						X	MTBE	TOG
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	E	Χ (μg/L)	МТВЕ (µg/L)	(μg/L)
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	<u>(µg/L)</u>	<u>(µg/L)</u>	(µg/L)	(µg/L)
A-1 (cont)					1 A.					· ·			
05/01/97	11.56	6.11	5.51	0.08	0.05								
08/05/97	11.56	5.68	5.96	0.10	0.07								
10/28/97	11.56	5.56	6.05	0.06	0.03								
02/04/98	11.56	8.39	3.20	0.04	0.03								
06/03/98	11.56	7.02	4.56	0.03	0.02								
07/29/98	11.56	7.15	4.44	0.04	0.04								
11/30/98	11.56	6.23	5.61	0.35	0.01		·						
02/24/99	11.56	7.63	4.41	0.60	0.07		·					165	
05/06/99	11.56	6.89	4.67			9,500 <sup>3</sup>	580	13.4	<2.0	4.68	58	95.5	
08/30/99	11.56	5.52	6.04			22,000 <sup>3</sup>	615	12	3.45	3.8	44	93.5	
11/17/99	11.56	5.70	5.89	0.04	0.08								
02/21/00	11.56	7.39	4.23	0.08	0.01								
05/08/00	11.56	6.55**	5.10	0.11	0.00	NOT SAMPI	LED DUE TO	THE PRESEN	CE OF SPH				
08/08/00	11.50	6.13**	5.53	0.13	0.26	NOT SAMP	LED DUE TO	THE PRESEN	CE OF SPH		,		
11/01/00	11.56	5.99**	5.67	0.13	0.26		LED DUE TO		CE OF SPH				
02/12/01	11.56	6.85	4.71	0.00	0.00	15,000 <sup>12</sup>	290 <sup>10</sup>	5.1	<2.0	<2.0	17	640 100	
05/14/01 <sup>17</sup>	11.56	6.26	5.30	0.00	0.00	$3100^{12}$	190 <sup>10</sup>	4.8	1.2	0.92	22		
08/13/01	11.56	5.69**	5.89	0.03	0.26	NOT SAMP	LED DUE TO	THE PRESEN	CE OF SPH			·	
11/12/01	11.56	5.84**	5.78	0.08	0.05	NOT SAMP	LED DUE TO		CE OF SPH				
02/04/02	11.56	6.77	4.79	0.00	0.00	23,000	380	3.3	1.4	0.69	14	1,800	
02/04/02	11.56	6.56	5.00	0.00	0.00	12,000	280	2.7	1.9	1.1	20	130	
03/00/02	11.56	5.86	5.70	0.00	0.00	13,000	380	4.1	3.3	2.1	31	42	
11/25/02	11.56	5.74	5.82	0.00	0.00	19,000	290	3.0	1.3	0.81	12	340	
02/05/03	11.56	6.75	4.81	0.00	0.00	12,000	290	3.1	1.1	<0.50	5.2	2,400 <sup>22</sup>	
02/03/03	11.56	6.71	4.85	0.00	0.00	8,400	330	4.3	1.8	1	16	190	
	11.56	5.85	5.71	0.00	0.00	$9,100^{23}$	450	8	3	2	26	270	
08/14/03 <sup>24</sup>	11.50	5.65	5.91	0.00	0.00	13,000	310	4	0.6	0.6	7	150	
11/13/03 <sup>24</sup>	<sup>25</sup>	25	4.31	0.00	0.00	14,000	120	<0.5	<0.5	< 0.5	3	84	
02/12/04 <sup>24</sup>	25	25	4.53	0.00	0.00	3,900 <sup>23</sup>	310	3	1.	0.9	13	9	
05/13/04 <sup>24</sup>	25	25	4.53 5.13	0.00	0.00	4,600	240	1	<0.5	<0.5	5	16	
08/12/04 <sup>24</sup>	25 25	25	5.67	0.00	0.00	9,500	<50	< 0.5	<0.5	<0.5	<0.5	41	
11/11/04 <sup>24</sup>	<sup>25</sup>	<sup>25</sup>	4.38	0.00	0.00	9,900	160	<0.5	<0.5	· <0.5	· 1	43	
02/10/05 <sup>24</sup>	25	<sup>25</sup>	4.38 4.19	0.00	0.00	3,100 <sup>26</sup>	180	0.7	0.5	<0.5	5	4	
05/12/05 <sup>24</sup>		25	4.19	0.00	0.00	3,900 <sup>27</sup>	250	0.7	0.6	0.5	5	3 .	
08/11/05 <sup>24</sup>	<sup>25</sup>	<sup>25</sup>	4.99 4.95	0.00	0.00	$2,700^{27}$	160	< 0.5	<0.5	< 0.5	2	37	
11/10/05 <sup>24</sup>			4.93	0.00	0.00	2,700						Aso	of 08/13/08

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## Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

#### Alameda, California

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					SPH								TOG
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E	X	MTBE	그 영생한 집은 것이 있는 것
DATE	(ft.)	(msl)	(ft.)	(fl.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-1 (cont)											a -		
02/09/06 <sup>24</sup>	25	25	4.02	0.00	0.00	4,700 <sup>27</sup>	83	<0.5	<0.5	<0.5	<0.5	28	
05/11/06 <sup>24</sup>	25	25	4.06	0.00	0.00	4,000	71	<0.5	<0.5	< 0.5	3	<0.5	
08/10/06 <sup>24</sup>	25	25	5.05	0.00	0.00	4,500	180	0.8	0.7	0.6	6	1	
11/09/06 <sup>24</sup>	25	<sup>25</sup>	5.38	0.00	0.00	3,300	160	<0.5	<0.5	<0.5	2	18	
02/08/07 <sup>24</sup>	25	25	5.02	0.00	0.00	5,300	65	<0.5	<0.5	<0.5	<0.5	17	
05/10/07 <sup>24</sup>	25	25	4.76	0.00	0.00	2,600	110	0.7	<0.5	<0.5	3	2	
08/08/07 <sup>24</sup>	25	25	5.45	0.00	0.00	2,100	160	<0.5	< 0.5	<0.5	5	7	
11/07/07 <sup>24</sup>	25	25	5.60	0.00	0.00	6,900	78	<0.5	< 0.5	<0.5	0.7	22	
02/13/08 <sup>24</sup>	<sup>25</sup>	25	4.12	0.00	0.00	7,800	70	<0.5	<0.5	< 0.5	<0.5	15	
02/13/08 05/14/08 <sup>24</sup>	25	25	4.98	0.00	0.00	5,200	1,500	<0.5	<0.5	<0.5	3	2	
03/14/08 08/13/08 <sup>24</sup>	25	25	5.33	0.00	0.00	5,400	88	<0.5	<0.5	<0.5	7	4	
00/10/00													
B-1		<i></i>	5.00		·	8,300	13,000	4,900	22	250	47		·
04/23/93	12.12	6.19	5.93			1,600	3,300	1,200	16	24	<30		·
07/19/93	12.12	5.46	6.66			550	2,300	730	18	14	31		
10/19/93	12.12	5.04	7.08			<50	22,000	6,500	170	210	430		
01/17/94	12.12	5.39	6.73										,
08/18/94	12.12	5.27	6.85			$3,200^{1}$	1,500	250	17	7.5	19		$< 5.0^{2}$
11/30/94	12.12	6.11	6.01				1,000	160	<2.0	4.6	2.6		
02/15/95	12.12	6.75	5.37			$1,300^{1}$	1,000	20	0.52	2.0	0.67		:
05/01/95	12.12	7.00	5.12			$2,600^3$ $4,900^3$	6,700	1,400	<20	<20	<20		
08/04/95	12.12	6.62	5.50		'	4,900 $5,000^3$	9,200	2,200	<25	<25	25	8,300	
11/29/95	12.12	6.27	5.85			$1,300^3$	9,200 1,500	190	<5.0	<5.0	<5.0	2,300	·
02/08/96	12.12	8.12	4.00				3,700	650	<10	24	16	2,300	
05/08/96	12.12	7.32	4.80		`	$2,900^{3}$ 2600	3,700	500	<20	<20	<20	4,900	. <b></b>
08/23/96	12.12	6.58	5.54				2,500	380	<25	<25	25	8,600	·
12/12/96	12.12	7.22	4.90			3,400 <sup>4</sup>	2,300	270	11	8.8	13	3,400	
02/10/97	12.12	7.53	4.59			$2,100^3$	1,200	70	5.8	<5.0	7.2	2,000	
05/01/97	12.12	6.46	5.66			$1,300^{3}$	1,200 <1,000	86	<10	<10	<10	3,800	
08/05/97	12.12	5.68	6.44			$1,500^{3}$	<1,000 1,400	73	6.5	6.8	9.0	2,900	
10/28/97	12.12	5.69	6.43			$2,000^3$		4.5	1.7	< 0.5	2.2	1,900	
02/04/98	12.12	9.11	3.01			1,200 <sup>3</sup>	1,500	4.5					
02/12/98	12.12	8.33	3.79				 <50	<0.5	<0.5	<0.5	<0.5	1,400	
06/03/98	12.12	7.23	4.89			970 <sup>3</sup>	<50	<b>~0.</b> J	0-	-0.5		-	00/12/00

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#### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

California	

						Alame	ua, Camonna		and the second second second	The second states of the se			
					SPH					E	x	MTBE	TOG
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	T	A DATE REPORT OF A DATE OF	Λ (μg/L)	μg/L)	(μg/L)
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	<u>(µg/L)</u>	µg/L)	<u>(µ5/12)</u>
B-1 (cont)													
07/29/98	12.12	6.37	5.75			$1,100^{3}$	850	27	<0.5	4.0	2.9	770/1,200 <sup>6</sup>	
11/30/98	12.12	6.44	5.68			1,490	543	<5.0	<5.0	<5.0	<5.0	2,220	
02/24/99	12.12	7.83	4.29			$1,400^{3}$	390	1.6	0.57	2.8	2.5	2,600	
05/06/99	12.12	7.11	5.01		"	340 <sup>3</sup>	239	4.02	<0.5	3.87	1.97	197	
08/30/99	12.12	5.91	6.21			$1,570^{7}$	739	22.4	3.45	5.62	3.27	1,110	
11/17/99	12.12	5.98	6.14			1,730	907	66.4	3.82	4.39	4.75	2,480	
02/21/00	12.12	7.53	4.59			$1,000^{3}$	679	10.5	<1.0	3.84	3.21	2,330	
05/08/00	12.12	6.66	5.46	0.00	0.00	87011	1,000 <sup>8</sup>	<5.0	<5.0	<5.0	<5.0	660	
08/08/00	12.12	6.22	5.90	0.00	0.00	520 <sup>11</sup>	<500	29	<5.0	<5.0	<5.0	1,900	'
11/01/00	12.12	7.14	4.98	0.00	0.00	570 <sup>14</sup>	860 <sup>10</sup>	41	<5.0	8.3	13	2,500	
	12.12	6.71	5.41	0.00	0.00	940 <sup>14</sup>	790 <sup>15</sup>	36	<5.0	<5.0	18	1,200	
02/12/01	12.12	6.38	5.74	0.00	0.00	690 <sup>11</sup>	<1,000	<10	<10	<10	<10	540	
05/14/01	12.12	5.59	6.53	0.00	0.00	2,300	1,100	12	2.5	3.4	8.8	1,100	
11/12/01	12.12	6.92	5.20	0.00	0.00	1,800	850	7.5	0.66	5.3	<5.0	220	
02/04/02	12.12	6.67	5.45	0.00	0.00	440	350	<0.50	< 0.50	1.7	<1.5	83	
05/06/02	12.12	5.94	6.18	0.00	0.00	3,000	770	7.3	1.1	1.5	3.1	330	
08/29/02		5.87	6.25	0.00	0.00	3,400	510	77	<1.0	1.2	3.6	540	
11/25/02	12.12	5.87 6.87	5.25	0.00	0.00	1,400	560	4.8	0.55	2.4	1.9	200	
02/05/03	12.12		5.26	0.00	0.00	1,400	370	2.4	<0.5	1.9	2.0	130	
05/15/03	12.12	6.86	6.20	0.00	0.00	1,300 <sup>23</sup>	650	4	0.9	0.7	2	210	
08/14/03 <sup>24</sup>	12.12	5.92	6.20 6.39	0.00	0.00	720	210	0.7	<0.5	<0.5	0.9	200	·
11/13/03 <sup>24</sup>	12.12	5.73		0.00	0.00	1,200	<50	< 0.5	<0.5	<0.5	< 0.5	53	
02/12/04 <sup>24</sup>	12.12	6.95	5.17	0.00	0.00	63 <sup>23</sup>	<50	< 0.5	<0.5	<0.5	< 0.5	10	
05/13/04 <sup>24</sup>	12.12	6.86	5.26	0.00	0.00	280	<50	<0.5	<0.5	<0.5	<0.5	26	
08/12/04 <sup>24</sup>	12.12	6.11	6.01	0.00	0.00	280	<50	< 0.5	<0.5	<0.5	<0.5	23	
11/11/04 <sup>24</sup>	12.12	5.64	6.48	0.00	0.00	420	<50	< 0.5	< 0.5	<0.5	<0.5	41	
02/10/05 <sup>24</sup>	12.12	6.71	5.41		0.00	200	<50	< 0.5	< 0.5	<0.5	<0.5	9	
05/12/05 <sup>24</sup>	12.12	7.14	4.98	0.00		260 <sup>27</sup>	<50	< 0.5	<0.5	<0.5	< 0.5	17	
08/11/05 <sup>24</sup>	12.12	6.34	5.78	0.00	0.00	130 <sup>27</sup>	<50	< 0.5	<0.5	< 0.5	< 0.5	56	
11/10/0524	12.12	6.38	5.74	0.00	0.00	130 <sup>-1</sup> 380 <sup>31</sup>	<50 <50	<0.5	<0.5	< 0.5	<0.5	25	
02/09/06 <sup>24</sup>	12.12	7.26	4.86	0.00	0.00	580	<50	<0.5	< 0.5	< 0.5	< 0.5	10	
05/11/06 <sup>24</sup>	12.12	7.20	4.92	0.00	0.00	580	<50 <50	<0.5	< 0.5	<0.5	< 0.5	8	
08/10/06 <sup>24</sup>	12.12	6.32	5.80	0.00	0.00	300 300	<50 <sup>°</sup>	<0.5	< 0.5	<0.5	< 0.5	7	
11/09/06 <sup>24</sup>	12.12	5.97	6.15	0.00	0.00		<50 <50	<0.5	<0.5	<0.5	<0.5	5	
02/08/07 <sup>24</sup>	12.12	6.32	5.80	0.00	0.00	240 140	<50 <50	<0.5	<0.5	<0.5	<0.5	4	
05/10/07 <sup>24</sup>	12.12	6.62	5.50	0.00	0.00	140	06~	-0.2	-0.0	· · ·		A 5	00/12/00
							_					As of	08/13/08

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Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-0290

1802 Webster Street

Alameda, California

				-		7	eua, Camornia			11 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200	- E. M. and -		
					SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	Е	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(fl.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-1 (cont)													
08/08/07 <sup>24</sup>	12.12	5.94	6.18	0.00	0.00	170	<50	<0.5	<0.5	<0.5	<0.5	6	
11/07/07 <sup>24</sup>	12.12	5.81	6.31	0.00	0.00	250	<50	<0.5	<0.5	<0.5	< 0.5	7	
02/13/08 <sup>24</sup>	12.12	7.18	4.94	0.00	0.00	570	<50	<0.5	<0.5	<0.5	< 0.5	47	
02/13/08 05/14/08 <sup>24</sup>	12.12	6.27	5.85	0.00	0.00	200	<50	< 0.5	<0.5	<0.5	< 0.5	1	
05/14/08 08/13/08 <sup>24</sup>	12.12 12.12	5.92	6.20	0.00	0.00	180	<50	<0.5	<0.5	<0.5	<0.5	5	
08/13/08	12.12	3.94	0.20	0.00	0.00	100							
								5					
B-5						- 0		-0.5	-0.5	<0.5	<0.5		
09/20/91	7.73	2.20	5.53			<50	<50	<0.5	<0.5			· · ·	
10/09/91	7.73	2.42	5.31										
10/17/91	7.73	2.09	5.64							'			
10/23/91	7.73	2.05	5.68										
11/01/91	7.73	2.24	5.49										
11/07/91	7.73	2.19	5.54					· ·					
11/15/91	7.73	2.10	5.63										
11/21/91	7.73								'				
12/12/91	7.73	2.05	5.68		*			<u> </u>					
12/30/91	7.73	2.54	5.19			.550							·
01/13/92	7.73	3.07	4.65										
01/22/92	7.73	3.03	4.70	·									·
02/12/92	7.73	3.38	4.45		·	<50	<50	<0.5	<0.5	<0.5	<0.5		
03/09/92	7.73	3.68	4.05	·									
04/10/92	7.73	3.30	4.43										
05/18/92	7.73	3.94	3.79				390	39	1.9	11	24		<5,000
01/06/93	7.73	3.39	4.44	Sheen	· ·	<50	<50	<0.5	<0.5	<0.5	<0.5		*
02/03/93	7.73		·										
04/23/93	10.18	5.86	4.32			<50	<50	<0.5	<0.5	<0.5	<1.5		
07/19/93	10.18	5.15	5.03			<50	54	<0.5	0.7	<0.5	<1.5		
10/19/93	10.18	5.08	5.10			<50	<50	2.0	4.1	0.6	3.5		
01/07/94	10.18	5.32	4.86			<50	<50	<0.5	<0.5	<0.5	<0.5		
08/18/94	10.18	5.04	5.14	`		<50	<50	<0.5	<0.5	<0.5	<0.5		
11/30/94	10.18	5.73	4.45		·	140 <sup>1</sup>	<50	< 0.5	<0.5	<0.5	<0.5		
02/15/95	10.18	6.03	4.15			170 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	·	
05/01/95	10.18	5.75	4.43			190 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		·
03/01/95	10.18	5.22	4.96	·		250 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
00/04/20	10.10	مل مل م	1.20									Acof	08/13/08

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### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290

1802 Webster Street Alameda, California

						Alamed	la, California					a conservation	
WELL ID/ DATE	TOC* <i>(fl.)</i>	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (μg/L)	ТРН-G <i>(µg/L)</i>	В (µg/L)	Τ (μg/L)	E (µg/L)	X (µg/L)	MTBE <i>(µg/L)</i>	ТО <b>G</b> (µg/L)_
B-5 (cont)									-0.5	1.1	<0.5	800	
11/29/95	10.18	4.97	5.21			330 <sup>3</sup>	140	1.5	<0.5	1.1	<0.3 <2.0	1,100	
02/08/96	10.18	6.38	3.80			$250^{3}$	<200	2.1	<2.0	<2.0	<2.0 <5.0	1,100 1,400	 
05/08/96	10.18	5.78	4.40			$350^{3}$	<500	<5.0	<5.0	<5.0	<5.0 4.3	1,400 9,300	
08/23/96	10.18	5.19	4.99			990	250	6.4	2.1	2.1	4.5 <10	9,300 6,700	
12/12/96	10.18	5.90	4.28			$430^{3}$	<1,000	<10	<10	<10		930	·
02/10/97	10.18	6.55	3.63			340 <sup>3</sup>	<500	<5.0	<5.0	<5.0	<5.0	930 1,900	
05/01/97	10.18	5.87	4.31			$290^{3}$	<500	<5.0	<5.0	<5.0	<5.0	1,900 6,800	
08/05/97	10.18	5.29	4.89			$710^{3}$	<1,000	<10	<10	<10	<10	0,800 7,000	
10/28/97	10.18	5.18	5.00			880 <sup>3</sup>	<500	<5.0	<5.0	<5.0	<5.0	2,100	
02/04/98	10.18	7.65	2.53			$290^{3}$	<50	0.51	<0.5	<0.5	<0.5	450	
06/03/98	10.18	6.33	3.85	·		630 <sup>3</sup>	220	2.0	15	2.8	20		
07/29/98	10.18	5.63	4.55	<b></b> '		$1,100^{3}$	<50	1.6	<0.5	<0.5	1.6	4,600/6,200 <sup>6</sup>	
11/30/98	10.18	5.81	4.37			371	<50	<0.5	1.91	<0.5	1.09	202 25	
02/24/99	10.18	6.79	3.39		'	512 <sup>3</sup>	· <50	<0.5	<0.5	0.69	3.1	25 3,090	
05/06/99	10.18	6.16	4.02		·	790 <sup>3</sup>	<50	2.27	<0.5	<0.5	<0.5		
08/30/99	10.18	5.02	5.16	'		1,890 <sup>7</sup>	<250	4.25	<2.5	<2.5	<2.5	10,400	
11/17/99	10.18	5.28	4.90			$1,180^{3}$	101	4.95	<0.5	<0.5	<0.5	8,510	
02/21/00	10.18	6.67	3.51			$240^{3}$	<100	<1.0	<1.0	<1.0	<1.0	555 270	
05/08/00	10.18	5.88	4.30	0.00	0.00	1,200 <sup>12</sup>	<50	<0.50	<0.50	< 0.50	1.4		
08/08/00	10.18	5.55	4.63	0.00	0.00	350 <sup>11</sup>	<1,000	<10	<10	<10	<10	8,600	
11/01/00	10.18	5.53	4.65	0.00	0.00	470 <sup>14</sup>	<500	<5.0	<5.0	<5.0	11	4,600	
02/12/01	10.18	6.13	4.05	0.00	0.00	190 <sup>12</sup>	<50	<0.50	<0.50	<0.50	1.3	420	
02/12/01	10.18	5.59	4.59	0.00	0.00	<1,000	<500	<5.0	<5.0	<5.0	<5.0	6,800	
03/14/01	10.18	5.14	5.04	0.00	0.00	2,800	<50	<0.50	<0.50	<0.50	< 0.50	11,000	
11/12/01	10.18	5.88	4.30	0.00	0.00	2,400	. 100	1.0	<0.50	< 0.50	<1.5	2,300	
02/04/02	10.18	6.03	4.15	0.00	0.00	1,800	99	<0.50	0.63	2.2	14	3,200	
02/04/02	10.18	5.86	4.32	0.00	0.00	1,700	<50	< 0.50	<0.50	< 0.50	<1.5	830	
	10.18	5.20	4.98	0.00	0.00	12,000	<250	5.2	<1.0	<1.0	<3.0	18,000	
08/29/02	10.18	5.26	4.92	0.00	0.00	5,100	100	1.2	<0.50	<0.50	<1.5	4,300	
11/25/02	10.18	5.98	4.20	0.00	0.00	1,900	<50	< 0.50	<0.50	<0.50	<1.5	4,100	
02/05/03	10.18	5.95	4.23	0.00	0.00	2,600	53	0.8	0.7	<0.5	1.6	5,400	
05/15/03	10.18	5.17	5.01	0.00	0.00	10,000 <sup>23</sup>	320	<10	<10	<10	<10	15,000	
08/14/03 <sup>24</sup>	10.18	25	5.05	0.00	0.00	15,000	220	<3	<3	<3	<3	4,700	
11/13/03 <sup>24</sup>	25	25	4.19	0.00	0.00	4,900	120	<5	<5	<5	<5	5,200	
$02/12/04^{24}$	25	 <sup>25</sup>	4.19	0.00	0.00	3,400 <sup>23</sup>	94	<1	<1	<1	<1	2,000	
05/13/04 <sup>24</sup>		'	4.55	0.00		2,.00	_					As of	08/13/08

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# Table 1Groundwater Monitoring Data and Analytical ResultsChevron Service Station #9-02901802 Webster Street

Alameda, California

					SPH						양한 11 - 19 19 19 19 19 19 19 19 19 19		
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	Т	E	X	МТВЕ	TOG
DATE	(ft.)	(msl)	(fL)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
	<u> </u>		<u> </u>	·····									
<b>B-5 (cont)</b> 08/12/04 <sup>24</sup>	25	25	4.84	0.00	0.00	4,800	150	<0.5	<0.5	<0.5	< 0.5	300	
	25	25	5.35	0.00	0.00	12,000	150	< 0.5	<0.5	<0.5	<0.5	57	
11/11/04 <sup>24</sup>	<sup>25</sup>	25	3.33 4.04	0.00	0.00	3,500	70	<0.5	<0.5	<0.5	<0.5	44	
$02/10/05^{24}$	<sup>25</sup>	25	4.04 4.11	0.00	0.00	2,900 <sup>26</sup>	69	< 0.5	<0.5	<0.5	<0.5	39	
05/12/05 <sup>24</sup>	<sup>25</sup>	25	4.11 4.62	0.00	0.00	2,900 13,000 <sup>28</sup>	140	< 0.5	<0.5	< 0.5	<0.5	83	
08/11/05 <sup>24</sup>		<sup>25</sup>		0.00	0.00	13,000 9,500 <sup>27</sup>	<50	< 0.5	<0.5	< 0.5	<0.5	16	
11/10/05 <sup>24</sup>	<sup>25</sup>		4.71	0.00	0.00	9,500 1,400 <sup>27</sup>	< <u>50</u> 61	< 0.5	<0.5	<0.5	< 0.5	27	
02/09/06 <sup>24</sup>	<sup>25</sup>	25	3.90		0.00	1,400 1,200	<50	<0.5	<0.5	<0.5	< 0.5	1	
05/11/06 <sup>24</sup>	25	<sup>25</sup>	3.93	0.00		9,000	73	<0.5	<0.5	0.5	1	18	
08/10/06 <sup>24</sup>	<sup>25</sup>	25	4.70	0.00	0.00	9,000	50	<0.5	< 0.5	0.5	<0.5	29	
11/09/06 <sup>24</sup>	<sup>25</sup>	<sup>25</sup>	4.83	0.00	0.00	9,200 6,600	50 56	<0.5 <0.5	<0.5	< 0.5	<0.5	650	
02/08/07 <sup>24</sup>	25	<sup>25</sup>	4.58	0.00	0.00		56 82	<0.5 <0.5	<0.5	<0.5	< 0.5	52	
05/10/07 <sup>24</sup>	25	25	4.47	0.00	0.00	4,500		<0.5 <0.5	<0.5	<0.5	< 0.5	32	· 
08/08/07 <sup>24</sup>	25	25	4.93	0.00	0.00	13,000	54		<0.5 <0.5	<0.5	<0.5	9	
11/07/07 <sup>24</sup>	25	25	5.04	0.00	0.00	5,300	<50	<0.5	<0.5 <0.5	<0.5	<0.5	8	
02/13/08 <sup>24</sup>	25	<sup>25</sup>	4.43	0.00	0.00	2,700	<50	<0.5	<0.5 <0.5	<0.5	<0.5	97	
05/14/08 <sup>24</sup>	25	25	4.97	0.00	0.00	4,600	<50	< 0.5		<0.5 <0.5	<0.5	22	
08/13/08 <sup>24</sup>	25	25	4.89	0.00	0.00	3,900	<50	<0.5	<0.5	~0.5	~0.5		
· .													
		e											
B-6			6.05			<50	<50	<0.5	<0.5	< 0.5	< 0.5	·	*
09/20/91	8.55	1.70	6.85			<50		-0.5	-0.5				'
10/09/91	8.55	1.72	6.83										
10/17/91	8.55	1.65	6.90			·			·			· ·	
10/23/91	8.55	1.62	6.93										
11/01/91	8.55	1.77	6.78		· · ·						·	<b></b> <sup>1</sup>	
11/07/91	8.55	1.74	6.81		· '	'							
11/15/91	8.55	1.67	6.88										
11/21/91	8.55	1.60	6.95							·			
12/12/91	8.55	1.41	7.14										
12/30/91	8.55	2.05	6.50										
01/13/92	8.55	2.36	6.19										
01/22/92	8.55	2.28	6.27										
02/12/92	8.55	2.43	6.12			<50	<50	<0.5	<0.5	<0.5	<0.5		
03/09/92	8.55	3.27	5.28		·					·			
04/10/92	8.55	3.07	5.48						· · · ·				
04/10/92	0.00	5.07	5.10									<b>A c c</b>	of 08/13/08

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#### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

Alameda, California

						Atame	da, Camonna				(1-2) + (2+2) = (2+2)		
WELL ID/ DATE	TOC* (fl.)	GWE (msl)	DTW (ft.)	SPHT (fl.)	SPH REMOVED (gallons)	TPH-D (μg/L)	ТРН-G <i>(µg/L)</i>	В (µg/L)	Τ (μg/L)	E (µg/L)	X (µg/L)	МТВЕ <i>(µg/L)</i>	ТО <b>G</b> (µg/L)
B-6 (cont)	and the second												-5 000
05/18/92	8.55	2.65	5.90			<50	<50	<0.5	<0.5	<0.5	<0.5		<5,000
01/06/93	8.55	2.76	5.79			<50	<50	<0.5	<0.5	<0.5	<0.5		
02/03/93	8.55												
04/23/93	11.97	6.70	5.27			<50	<50	<0.5	<0.5	<0.5	<1.5		
07/19/93	11.97	5.06	6.91		·	<50	74	<0.5	<0.5	<0.5	<1.5		
10/19/93	11.97	5.49	6.48		·	<50	<50	<0.5	0.5	<0.5	2.2		
01/07/94	11.97	5.79	6.18			<50	<50	<0.5	<0.5	<0.5	<0.5		
08/18/94	11.97	5.77	6.20			<50	<50	<0.5	<0.5	<0.5	<0.5		
11/30/94	11.97	6.52	5.45			230 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	·	
02/15/95	11.97	7.27	4.70		·	130 <sup>1</sup>	<50	< 0.5	<0.5	<0.5	<0.5		
02/13/93	11.97	6.94	5.03			97 <sup>3</sup> ·	<50	<0.5	<0.5	<0.5	<0.5		
05/01/95	11.97	6.15	5.82			350 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5		
11/29/95	11.97	5.97	6.00			$200^{3}$							
02/08/96	11.97	7.27	4.70			210 <sup>3</sup>			,				
02/08/96	11.97	6.74	5.23	'		$250^{3}$							
08/23/96	11.97	5.92	6.05			310 <sup>3</sup>							
	11.97	6.65	5.32			300 <sup>3</sup>							
12/12/96	11.97	0.60 7.60	4.37			$130^{3}$						360	
02/10/97	11.97	6.74	5.23			$260^{3}$						2,200	
05/01/97	. 11.97	6.22	5.75			$260^{3}$						1,800	
08/05/97	11.97	5.89	6.08			340 <sup>3</sup>						1,900	
10/28/97	11.97	9.26	2.71			$280^{3}$						1,400	
02/04/98	11.97	9.20 7.49	4.48			$130^{3}$						1,200	
06/03/98	11.97	6.69	5.28			340 <sup>3</sup>						2,700/3,000	
07/29/98	11.97	6.48	5.49			2,740	655	<5.0	<5.0	<5.0	<5.0	2,160	
11/30/98	11.97	0.48 7.79	4.18			225 <sup>3</sup>	·		<b></b> ·			1,500	
02/24/99	11.97	6.29	5.68			71 <sup>3</sup>	·					1,010	
05/06/99	11.97	6.06	5.91			356 <sup>3</sup>						4,520	
08/30/99	11.97	6.01	5.96		·	$1,960^{3}$		·				5,160	
11/17/99		7.51	4.46		<u></u>	180 <sup>3</sup>						6,920	
02/21/00	11.97	6.92	5.05	0.00	0.00	'420 <sup>11</sup>						6,800	
05/08/00	11.97	6.92 6.55	5.42	0.00	0.00	180 <sup>11</sup>						25,000	
08/08/00	11.97	6.24	5.73	0.00	0.00	77 <sup>14</sup>		·				25,000	'
11/01/00	11.97	6.24 6.65	5.32	0.00	0.00	62 <sup>11</sup>	'		<b>`</b>			16,000	
02/12/01	11.97	6.65 6.62	5.32	0.00	0.00	55 <sup>12</sup>						9,100	
05/14/01	11.97	0.02		0.00	0.00	22						As of	08/13/08

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# Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

Alameda, California

					SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	Ť	Ε	<b>X</b>	MTBE	TOG
DATE	(fL)	(msl)	(fL)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
	<b>U.+/</b>	(1100)	<u>ant a <b>yat k</b>ita</u> da	A de Anne 1									
B-6 (cont)	11.07	6.05	5.92	0.00	0.00	220						33,000	
08/13/01	11.97	6.05 5.63	5.92 6.34	0.00	0.00	550			·			34,000 <sup>19</sup>	
11/12/01	11.97		0.34 4.81	0.00	0.00	290		· ·				28,000	
02/04/02	11.97	7.16	4.81 5.03	0.00	0.00	270						23,000	
05/06/02	11.97	6.94		0.00	0.00	490						29,000	
08/29/02	11.97	6.29	5.68	0.00	0.00	450						30,000	
11/25/02	11.97	6.08	5.89		0.00	260						17,000	
02/05/03	11.97	6.99	4.98	0.00	0.00	310						28,000	
05/15/03	11.97	7.04	4.93	0.00		$160^{23}$		·				31,000	
08/14/03	11.97	6.32	5.65	0.00	0.00	160					·	20,000	
11/13/03	25	25	5.90	0.00	0.00							31,000	
02/12/04	<sup>25</sup>	<b></b> <sup>25</sup>	4.79	0.00	0.00	400				. <b></b>		13,000	
05/13/04	25	<u> </u>	4.97	0.00	0.00	54 <sup>23</sup>						26,000	
08/12/04	25	25	5.56	0.00	0.00	250				·		20,000	
11/11/04	25	<sup>25</sup>	5.97	0.00	0.00	250	460					10,000	
02/10/05	25	25	4.67	0.00	0.00	280			<10	<10	<10	15,000	
05/12/05 <sup>24</sup>	25	25	4.61	0.00	0.00	210 <sup>26</sup>	340	<10				12,000 <sup>29</sup>	
08/11/05	25	25	5.32	0.00	0.00	130 <sup>27</sup>			 <0.5	<0.5	<1.5	9,300	
11/10/05	25	25	5.41	0.00	0.00	100 <sup>27</sup>		<0.5				2,200	
02/09/06	25	25	4.50	0.00	0.00	290 <sup>31</sup>	1					1,000	
05/11/06	25	25	4.70	0.00	0.00	<50		·				4,300	
08/10/06	25	25	5.42	0.00	0.00	150					<1.5	2,200	
11/09/06 <sup>24</sup>	25	25	5.80	0.00	0.00	240		<2.0	<0.5	<0.5		1,300	
02/08/07	25	25	5.48	0.00	0.00	140	<u></u>					1,500	
05/10/07	25	25	5.17	0.00	0.00	120		<0.5	<0.5	<0.5	<0.5	1,300 1,300	
08/08/07	25	25	5.80	0.00	0.00	73					`	1,300 $100^{30}$	
11/07/07	25	25	5.98	0.00	0.00	120	<b></b> '					33	
02/13/08	25	25	4.59	0.00	0.00	130						680	
	25	25	5.36	0.00	0.00	94							
05/14/08	25	25	<b>5.87</b>	0.00	0.00	90		<0.5	<0.5	<0.5	<1.5	<400 <sup>32</sup>	
08/13/08 <sup>24</sup>			5.07	0.00									
D 7											~1 F		<50
B-7	10.54	6.02	4.52		·		<50	<0.5	<0.5	<0.5	<1.5		<50 <50
04/23/93	10.54	5.50	5.04			<50	<50	<0.5	<0.5	<0.5	<1.5		
07/19/93	10.54	5.14	5.40		·	<50	<50	3.1	0.5	<0.5	0.8		
10/19/93	10.54	2.14	5.40				10					As of	08/13/08
1 ///							10						

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## Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

Alameda, California

www.comban.com				a na tracestar	epr								
	TOOL	GWE	DTW	SPHT	SPH REMOVED	TPH-D	TPH-G	В	T	Е	x	мтве	TOG
WELL ID/	TOC* (ft.)	GWE (msl)	(ft.)	SFHI (fl.)	(gallons)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
DATE	(j4)	(msi)		04	(54110)13)	(mb)	(F8		<u>.</u>				
B-7 (cont)	10 - 1	<i></i>	E 10			<50	<50	<0.5	<0.5	<0.5	<0.5		
01/07/94	10.54	5.35	5.19				<50	< 0.5	<0.5	<0.5	1.1		
08/18/94	i0.54	5.28	5.26			<50	<50 <50	<0.5 <0.5	<0.5	<0.5	<0.5		
11/30/94	10.54	5.96	4.58			<50		<0.5 <0.5	<0.5	<0.5	<0.5		
02/15/95	10.54	6.32	4.22			<50	<50		<0.5	<0.5 <0.5	<0.5		
05/01/95	10.54	6.04	4.50	`		53 <sup>3</sup>	<50	<0.5		<0.5	<0.5		
08/04/95	10.54	5.56	4.98			<50	<50	<0.5	<0.5	<0.5	<0.5		
02/12/98	10.54	7.49	3.05			<50	<50	<0.5	<0.5				
06/03/98	10.54	6.59	3.95			SAMPLED SH						<2.5	
07/29/98	10.54	5.99	4.55				<50	<0.5	<0.5	<0.5	<0.5		
11/30/98	10.54	5.56	4.98										
02/24/99	10.54	7.24	3.30	'			<50	<0.5	<0.5	<0.5	<0.5	<2.5	·
05/06/99	10.54	4.79	5.75										
08/30/99	10.54	5.25	5.29				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
11/17/99	10.54	4.81	5.73									·	
02/21/00	10.54	6.54	4.00				<50	<0.5	<0.5	<0.5	<0.5	<2.5	
05/08/00	10.54	6.14	4.40	0.00	0.00							<b></b> .	
08/08/00	10.54	6.05	4.49	0.00	0.00		<50	< 0.50	< 0.50	<0.50	<0.50	<2.5	
11/01/00	10.54	5.85	4.69	0.00	0.00								
02/12/01	10.54	6.17	4.37	0.00	0.00		<50	< 0.50	< 0.50	<0.50	<0.50	<2.5	
	10.54	6.09	4.45		D SEMI- ANN	UALLY		. <b></b>					- <sup></sup>
05/14/01	10.54	5.61	4.93	0.00	0.00		<50	<0.50	< 0.50	< 0.50	<0.50	< <2.5	
08/13/01	10.54 10.54	5.27	4.93 5.27	0.00	0.00	SAMPLED S		LLY	<b></b>				
11/12/01		6.43	4.11	0.00	0.00		<50	< 0.50	<0.50	<0.50	<1.5	<2.5	·
02/04/02	10.54	6.43 6.28	4.11	0.00	0.00	SAMPLED S							
05/06/02	10.54		4.20 4.78	0.00	0.00		<50	< 0.50	< 0.50	<0.50	1.8	<2.5	·
08/29/02	10.54	5.76		0.00	0.00	SAMPLED S							
11/25/02	10.54	5.61	4.93		0.00		<50	<0.50	<0.50	< 0.50	<1.5	<2.5	
02/05/03	10.54	6.43	4.11	0.00	0.00	SAMPLED S							
05/15/03	10.54	6.45	4.09	0.00		SAMPLED 5	<50	< 0.5	<0.5	<0.5	<0.5	<0.5	
08/14/03 <sup>24</sup>	10.54	5.76	4.78	0.00	0.00	 SAMPLED S							
11/13/03	10.54	5.85	4.69	0.00	0.00		EMI-ANNOA	<0.5	< 0.5	<0.5	< 0.5	< 0.5	
02/12/04 <sup>24</sup>	10.54	6.39	4.15	0.00	0.00	 - 0 <sup>23</sup>		<0.5 	-0.5				
05/13/04	10.54	6.24	4.30	0.00	0.00	<50 <sup>23</sup>		<0.5	< 0.5	<0.5	<0.5	<0.5	
08/12/04 <sup>24</sup>	10.54	5.78	4.76	0.00	0.00		<50		<0.5 				
11/11/04	10.54	5.36	5.18	0.00	0.00	SAMPLED S			<0.5	<0.5	< 0.5	<0.5	
02/10/05 <sup>24</sup>	10.54	6.58	3.96	0.00	0.00	''	<50	<0.5	<0.5	~0.5	-0.5	-0.0	

9-0290.xls/#385280

### Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0290

1802 Webster Street

Alameda, California

					SPH						나라는 것은 것은 것을 가입니다. 같이 같은 것은 것이 있다. 같이 같은 것은 것이 있다.	<b>1</b>	TAC
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED		TPH-G	- B	T i T	Ē	X	MTBE	TOG
DATE	(ft.)	(msl)	(fl.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
B-7 (cont)													
05/12/05	10.54	6.67	3.87	0.00	0.00	SAMPLED S	EMI-ANNUA						
08/11/05 <sup>24</sup>	10.54	6.05	4.49	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	. <b></b>
11/10/05	10.54	6.03	4.51	0.00	0.00	SAMPLED S	SEMI-ANNUA	LLY					
02/09/06 <sup>24</sup>	10.54	6.79	3.75	0.00	0.00		<50	<0.5	< 0.5	< 0.5	<0.5	<0.5	
05/11/06	10.54	6.82	3.72	0.00	0.00	SAMPLED S	SEMI-ANNUA					·	
03/11/06 <sup>24</sup>	10.54	5.71	4.83	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/09/06	10.54	5.42	5.12	0.00	0.00	SAMPLED S	SEMI-ANNUA				·		·
02/08/07 <sup>24</sup>	10.54	5.73	4.81	0.00	0.00	·	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/10/07	10.54	5.89	4.65	0.00	0.00	SAMPLED S	SEMI-ANNUA				·		
08/08/07 <sup>24</sup>	10.54	5.58	4.96	0.00	0.00	·	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/07/07	10.54	5.33	5.21	0.00	0.00	SAMPLED S	SEMI-ANNUA	ALLY	·				
02/13/08 <sup>24</sup>	10.54	6.51	4.03	0.00	0.00	·	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/13/08	10.54	6.08	4.46	0.00	0.00	SAMPLED	SEMI-ANNUA	ALLY					
03/14/08 08/13/08 <sup>24</sup>	10.54	5.63	4.91	0.00	0.00		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
.08/15/08	10.34	5.05											
B-10													
11/29/95	11.42	4.91	6.51			900 <sup>3</sup>	1,700	95	<2.5	69	170	22	
02/08/96	11.42	6.87	4.55			650 <sup>3</sup>	230	31	<0.5	7.2	6.2	10	
02/08/96	11.42	5.87	5.55			$570^{3}$	260	61	0.59	37	23	20	
03/08/90	11.42	5.23	6.19	·		$700^{3}$	320	34	<0.5	29	15	8.3	
12/12/96	11.42	5.59	5.83			990 <sup>3</sup>	1,600	94	<2.5	110	27	<12	
	11.42	6.84	4.58			530 <sup>3</sup>	2,100	230	5.6	130	83	<12	
02/10/97	11.42 11.42	5.85	5.57			$770^{3}$	2,300	110	<2.5	140	49	<12	
05/01/97	11.42	5.12	6.30			620 <sup>3</sup>	650	33	1.1	70	16	3.2	
08/05/97	11.42	5.24	6.18			$310^{3}$	740	25	1.6	53	14	6.7	
10/28/97		8.53	2.89			$250^{3}$	950	23	4.5	<0.5	1.9	<2.5	
02/04/98	11.42		4. <b>8</b> 0			$490^{3}$	<50	< 0.5	<0.5	<0.5	<0.5	<2.5	
06/03/98	11.42	6.62	4.80 5.65			$390^{3}$	290	3.9	<0.5	8.5	1.4	<2.5	
07/29/98	11.42	5.77				437	<50	<0.5	<0.5	<0.5	< 0.5	7.11	
11/30/98	11.42	5.80	5.62			259 <sup>3</sup>	160	35	0.55	0.64	0.64	9.2	
02/24/99	11.42	7.19	4.23	·		$190^{3}$	490	7.05		8.24	2.18	<5.0	
05/06/99	11.42	6.31	5.11			190 330 <sup>3</sup>	205	1.79		5.55	2.16	3.93	
08/30/99	11.42	5.06	6.36			$2,180^3$	108	1.2	<0.5	1.2	<0.5	<2.5	
11/17/99	11.42	5.48	5.94			$2,180^{-3}$	587	17.6		10.1	4.61	5.08	
02/21/00	11.42	7.07	4.35			300	207	1					08/13/08

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#### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

Alameda, California

						Alam	da, Camon	1a			1 1 2 1 1 2 m 1 1 1 1 1 1	and a stand of the state of the	Sector and the
WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (μg/L)	ТРН-G <u>(µg/L)</u>	В <i>(µg/L)</i>	Т <i>(µg/L)</i>	E (µg/L)	X _(µg/L)	МТВЕ <i>(µg/L)</i>	TOG (µg/L)
B-10 (cont)													
05/08/00	11.42	5.99	5.43	0.00	0.00	320 <sup>11</sup>	380 <sup>9</sup>	5.4	2.6	3.2	6.3	9.1	
08/08/00	11.42	DRY											
11/01/00	11.42	DRY						·					
02/12/01 <sup>16</sup> NP	11.42	6.09	5.33	0.00	0.00				. •				
05/14/01 <sup>16</sup>	11.42	OBSTRU	CTION IN W	VELL								'	
08/13/01 <sup>16</sup>	11.42	OBSTRU	CTION IN W	VELL		<b></b>							
11/12/01 <sup>16</sup>	11.42	OBSTRU	CTION IN W	VELL	'								
02/04/02 <sup>20</sup>	11.42	6.18	5.24	0.00	0.00	340	100	1.8	<0.50	0.57	<1.5	18	
05/06/02	11.42	6.00	5.42	0.00	0.00	1,000	86	1.4	<0.50	< 0.50	<1.5	17	
08/29/02	11.42	4.79	6.63	0.00	0.00	650	120	< 0.50	<0.50	<0.50	<1.5	38	
11/25/02	11.42	5.32	6.10	0.00	0.00	1,200	77	< 0.50	<0.50	<0.50	<1.5	40	
02/05/03	11.42	6.19	5.23	0.00	0.00	650	190	<2.0	<0.50	<0.50	<1.5	30	
05/15/03	11.42	6.16	5.26	0.00	0.00	750	150	1.2	<0.5	<0.5	<1.5	30	
08/14/03 <sup>24</sup>	11.42	5.03	6.39	0.00	0.00	$230^{23}$	<50	<0.5	<0.5	<0.5	<0.5	38	
11/13/03 <sup>24</sup>	11.42	5.17	6.25	0.00	0.00	1,000	<50	<0.5	<0.5	<0.5	<0.5	52	
02/12/04 <sup>24</sup>	11.42	6.32	5.10	0.00	0.00	810	<50	<0.5	<0.5	<0.5	<0.5	30	
05/13/04 <sup>24</sup>	11.42	5.75	5.67	0.00	0.00	71 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	33	
08/12/04 <sup>24</sup>	11.42	5.12	6.30	0.00	0.00	460	<50	<0.5	<0.5	<0.5	<0.5	30	, ,
11/11/04 <sup>24</sup>	11.42	4.65	6.77	0.00	0.00	350	<50	<0.5	<0.5	<0.5	<0.5	30	
02/10/05 <sup>24</sup>	11.42	6.60	4.82	0.00	0.00	580	<50	<0.5	<0.5	<0.5	<0.5	27	
05/12/05 <sup>24</sup>	11.42	6.38	5.04	0.00	0.00	$160^{26}$	<50	<0.5	<0.5	<0.5	<0.5	21	
08/11/05 <sup>24</sup>	11.42	5.70	5.72	0.00	0.00	130 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	18	
11/10/05 <sup>24</sup>	11.42	5.90	5.52	0.00	0.00	89 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	22	
02/09/06 <sup>24</sup>	11.42	6.78	4.64	0.00	0.00	320 <sup>27</sup>	81	<0.5	<0.5	<0.5	<0.5	16	
05/11/06 <sup>24</sup>	11.42	6.44	4.98	0.00	0.00	430	180	<0.5	<0.5	<0.5	0.5	19	
03/11/08 08/10/06 <sup>24</sup>	11.42	5.64	5.78	0.00	0.00	210	<50	<0.5	<0.5	0.6	<0.5	12	
11/09/06 <sup>24</sup>	11.42	5.33	6.09	0.00	0.00	980	<50	< 0.5	<0.5	<0.5	<0.5	11	
02/08/07 <sup>24</sup>	11.42	5.77	5.65	0.00	0.00	340	<50	< 0.5	<0.5	<0.5	<0.5	13	
02/08/07 05/10/07 <sup>24</sup>	11.42	5.91	5.51	0.00	0.00	90	<50	<0.5	<0.5	<0.5	<0.5	10	
03/10/07 08/08/07 <sup>24</sup>	11.42	5.39	6.03	0.00	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	7	
11/07/07 <sup>24</sup>	11.42	5.12	6.30	0.00	0.00	250	<50	<0.5	<0.5	<0.5	<0.5	7	
02/13/08 <sup>24</sup>	11.42	6.71	4.71	0.00	0.00	510	<50	<0.5	<0.5	<0.5	<0.5	4	
02/13/08 05/14/08 <sup>24</sup>	11.42	5.74	5.68	0.00	0.00	140	<50	<0.5	<0.5	<0.5	<0.5	6	
05/14/08 08/13/08 <sup>24</sup>	11.42	5.41	6.01	0.00	0.00	520	<50	<0.5	<0.5	<0.5	<0.5	5	
00/13/00	11.74	2.41							,				

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As of 08/13/08

### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290

1802 Webster Street

Alameda, California

						Alamed				The second second		i juli h h sa sa sa	
WELL ID/ DATE	ТОС* <i>(fl.)</i>	GWE (msl)	DTW (ft.)	SPHT (fl.)	SPH REMOVED (gallons)	TPH-D (μg/L)	-ТРН-G <i>(µg/L)</i>	В (µg/L)	Т <i>(µg/L)</i>	E (µg/L)	Χ (μg/L)	МТВЕ (µg/L)	ТО <b>G</b> (µg/L)
B-11						_			-10	26	48	21,000	
11/29/95	11.98	6.08	5.90			$1,400^3$	2,800	38	<10	26	48 <50	38,000	
02/08/96	11.98	7.54	4.44			$1,100^{3}$	<5,000	<50	<50	<50		17,000	
05/08/96	11.98	6.98	5.00			1,300 <sup>3</sup>	4,100	110	<10	31	25	4,000	
08/23/96	11.98	6.37	5.61			$820^{3}$	3,400	160	12	41	13	2,200	
12/12/96	11.98	6.85	5.13			1,300 <sup>3</sup>	3,700	120	12	<5.0	30		
02/10/97	11.98	7.91	4.07			810 <sup>3</sup>	2,300	56	17	<5.0	20	4,700	
05/01/97	11.98	6.95	5.03			820 <sup>3</sup>	<5,000	<50	<50	<50	<50	21,000	
08/05/97	11.98	6.38	5.60			900 <sup>3</sup>	3,500	42	<10	<10	<10	4,100	
10/28/97	11.98	6.30	5.68			$1,300^{3}$	3,000	39	6.2	8.0	13	2,300	
02/04/98	11.98	9.39	2.59			930 <sup>3</sup>	1,300	3.2	1.4	<0.5	5.0	46,000	
06/03/98	11.98	7.53	4.45			740 <sup>3</sup>	860	3.7	1.4	0.84	3.0	34,000	
07/29/98	11.98	6.80	5.18			$1,400^{3}$	1,300	6.9	2.5	3.8	2.0	50,000/41,000 <sup>6</sup>	
11/30/98	11.98	6.91	5.07			1,020	<1,000	<10	<10	<10	<10	5,370	
02/24/99	11.98	7.79	4.19			$2,290^3$	690	4.7	<0.5	2.7	3.1	67,000	
05/06/99	11.98	7.43	4.55			580 <sup>3</sup>	423	4.66	0.662	<0.5	1.38	20,600	
08/30/99	11.98	6.18	5.80			$1,120^{3}$	1,220	31	8.6	<5.0	14	10,900	
11/17/99	11.98	6.41	5.57			1,160 <sup>3</sup>	2,800	36.6	10.6	8.41	11.6	12,000	
02/21/00	11.98	7.77	4.21		·	730 <sup>3</sup>	1,570	12.3	2.71	3.33	12.9	2,980	
	11.98	7.04	4.94	0.00	0.00	22013	<500	<5.0	<5.0	<5.0	<5.0	8,500	
05/08/00	11.98	6.79	5.19	0.00	0.00	660 <sup>13</sup>	2,900 <sup>10</sup>	51	<25	<25	38	10,000	
08/08/00	11.98	6.72	5.26	0.00	0.00	290 <sup>11</sup>	<5,000	<50	<50	<50	<50	29,000	. ===
11/01/00		0.72 7.24	4.74	0.00	0.00	660 <sup>13</sup>	1,700 <sup>10</sup>	38	11	11	22	7,800	
02/12/01	11.98	7.24 6.84	4.74 5.14	0.00	0.00	430 <sup>13</sup>	1,200 <sup>10</sup>	29	11	<10	<10	35,000	
05/14/01	11.98		5.65	0.00	0.00	910	<5,000	<50	<50	<50	<50	140,000 <sup>18</sup>	
08/13/01	11.98	6.33	5.66	0.00	0.00	1,400	3,100	14	6.1	8.7	23	6,100	
11/12/01	11.98	6.32	5.00 4.73	0.00	0.00	650	1,400	5.6	1.8	2.5	9.3	7,800	
02/04/02	11.98	7.25		0.00	0.00	880	480	1.2	0.64	1.3	1.9	1,400	·
05/06/02	11.98	7.10	4.88	0.00	0.00	3,500	1,500	5.4	1.9	2.2	5.8	96,000	
08/29/02	11.98	6.44	5.54		0.00	3,700	1,200	2.7	1.0	1.4	7.0	45,000	
11/25/02	11.98	6.44	5.54	0.00	0.00	2,100	910	2.7	<2.5	<2.5	<7.5	46,000	
02/05/03	11.98	7.18	4.80	0.00	0.00	2,100	1,100	5.4	<2.5	4.5	11	78,000	
05/15/03	11.98	7.18	4.80	0.00		2,500 3,600 <sup>23</sup>	840	<50	<50	<50	<50	88,000	
08/14/03 <sup>24</sup>	11.98	6.45	5.53	0.00	0.00	2,300	570	<10	<10	<10	<10	14,000	·
11/13/03 <sup>24</sup>	11.98	6.37	5.61	0.00	0.00	2,300 4,400	310	<25	<25	<25	<25	29,000	
02/12/04 <sup>24</sup>	11.98	7.28	4.70	0.00	0.00	4,400	510	-20					

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# Table 1Groundwater Monitoring Data and Analytical Results<br/>Chevron Service Station #9-0290<br/>1802 Webster Street

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Alameda, California

g/L) (µ <13 < <10 < <10 < <25 < <25 <	X         MT           g/L)         (µg/           <13         100,           <10         83,0           <10         20,0           <25         49,0	<b>L) (μg/</b> 000 000 000
g/L) (µ <13 < <10 < <10 < <25 < <25 <	(μg/L) (μg/ <13 100, <10 83,0 <10 20,0 <25 49,0	<u>L) (µg/1</u> 0000 000 000
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## Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street.

Alameda, California

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WELL ID/	TOC*	GWE	DTW	SPHT	SPH REMOVED (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	В (µg/L)	Т (µg/L)	E (µg/L)	X (µg/L)	МТВЕ (µg/L)	ТО <b>G</b> <i>(µg/L)</i>
DA <u>TE</u>	(ft.)	(msl)	(ft.)	(fl.)	(ganons)	(µg/L)	(µ <u>s</u> /L)		<u> </u>		<u> </u>		
B-12 (cont)							410	0.64	<0.5	2.2	2.3	15,000	·
02/24/99	11.16	7.16	4.00			$2,680^3$		0.04 <5.0	<5.0	<5.0	<5.0	1370	<1,000
05/06/99	11.16	6.71	4.45			3,550 <sup>3</sup>	<500	12.5	6.0	9.5	10.8	6600	
08/30/99	11.16	5.32	5.84		·	1,310 <sup>3</sup>	985	12.5	5.99	5.98	<5.0	14,200	
11/17/99	11.16	5.73	5.43		'	1,060 <sup>3</sup>	1,700	14.4 3.49	<0.5	<0.5	4.26	5,100	
02/21/00	11.16	6.85	4.31			430 <sup>3</sup>	595		<0.3 <5.0	<5.0	<5.0	2,100	
05/08/00	11.16	6.21	4.95	0.00	0.00	340 <sup>13</sup>	<500	<5.0	1.5	1.8	4.8	2,000	
08/08/00	11,16	6.01	5.15	0.00	0.00	260 <sup>13</sup>	410 <sup>10</sup>	3.9	1.3	2.8	2.9	4,600	·
11/01/00	11.16	5.85	5.31	0.00	0.00	13011	660 <sup>9</sup>	6.0		2.8 5.0	<5.0	2,000	·
02/12/01	11.16	6.27	4.89	0.00	0.00	28011	550 <sup>10</sup>	14	<5.0	0.80	4.8	1,400	
05/14/01	11.16	6.05	5.11	0.00	0.00	280 <sup>13</sup>	770 <sup>10</sup>	7.6	5.0	6.1	<5.0	2,700	·
08/13/01	11.16	5.52	5.64	0.00	0.00	500	730 <sup>10</sup>	10	<5.0	7.6	< 9.2	1,400	
11/12/01	11.16	5.40	5.76	0.00	0.00	900	1,700	2.2	1.1	2.0	2.8	310	
02/04/02	11.16	6.45	4.71	0.00	0.00	440	1,100	2.0	1.0	<1.0	<1.0	96	
05/06/02	11.16	6.28	4.88	0.00	0.00	340	660	<1.0	<1.0		<1.0 <15	530	
08/29/02	11.16	5.67	5.49	0.00	0.00	1,000	1,700	5.6	3.9	4.2	<10	320	
11/25/02	11.16	5.58	5.58	0.00	0.00	890	2,300	<5.0	1.8	3.5	<10 <7.5	270	
02/05/03	11.16	6.40	4.76	0.00	0.00	770	1,600	<10	<2.5	<2.5	<7.5 <7.5	280	
05/15/03	11.16	6.40	4.76	0.00	0.00	1,500	1,800	<2.5	<2.5	2.6		300	
08/14/03 <sup>24</sup>	11.16	5.68	5.48	0.00	0.00	$1,000^{23}$	2,000	1	0.7	0.9	2	300	
11/13/03 <sup>24</sup>	11.16	5.48	5.68	0.00	0.00	390	790	<0.5	<0.5	1	1		
$02/12/04^{24}$	11.16	6.44	4.72	0.00	0.00	210	94	<0.5	<0.5	<0.5	<0.5	8	
05/13/04 <sup>24</sup>	11.16	6.24	4.92	0.00	0.00	60 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	2	
08/12/04 <sup>24</sup>	11.16	5.75	5.41	0.00	0.00	130	290	<0.5	<0.5	<0.5	<0.5	61	
08/12/04 11/11/04 <sup>24</sup>	11.16	5.26	5.90	0.00	0.00	160	180	<0.5	<0.5	<0.5	<0.5	5	
$02/10/05^{24}$	11.16	6.62	4.54	0.00	0.00	130	<50	<0.5	<0.5	<0.5	<0.5	5	
	11.16	6.59	4.57	0.00	0.00	150	160	<0.5	<0.5	<0.5	<0.5	5	
05/12/05 <sup>24</sup>	11.16	6.02	5.14	0.00	0.00	110	89	<0.5	<0.5	<0.5	<0.5	11	
08/11/05 <sup>24</sup>	11.16	6.02	5.11	0.00	0.00	<50	<50	< 0.5	<0.5	<0.5	<0.5	5	
11/10/05 <sup>24</sup>	11.16	6.78	4.38	0.00	0.00	240 <sup>27</sup>	<50	<0.5	<0.5	< 0.5	<0.5	2	
02/09/06 <sup>24</sup>		6:59	4.58	0.00	0.00	100	250	< 0.5	<0.5	<0.5	<0.5	3	
05/11/06 <sup>24</sup>	11.16	6.39 5.84	5.32	0.00	0.00	1,300	470	<0.5	<0.5	<0.5	0.6	20	
08/10/06 <sup>24</sup>	11.16		5.52	0.00	0.00	580	1,300	<0.5	<0.5	<0.5	0.5	17	
11/09/06 <sup>24</sup>	11.16	5.58	5.30	0.00	0.00	97	<50	<0.5	<0.5	<0.5	<0.5	1	
02/08/07 <sup>24</sup>	11.16	5.86	5.30	0.00	0.00	100	<50	<0.5	<0.5	<0.5	<0.5	1	
05/10/07 <sup>24</sup>	11.16	6.08	5.08	0.00	0.00	200				5			

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#### As of 08/13/08

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## Table 1Groundwater Monitoring Data and Analytical ResultsChevron Service Station #9-02901802 Webster Street

Alameda, California

						Alam	ua, Camonna			the second s		the statement of the second	and the second second
WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (fl.)	SPH REMOVED (gallons)	ТРН-D. <i>(µg/L)</i>	ТРН-G <i>(µg/L)</i>	В (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	МТВЕ (µg/L)	ТО <b>G</b> <i>(µg/L)</i>
B-12 (cont)	÷ • •												
08/08/07 <sup>24</sup>	11.16	5.56	5.60	0.00	0.00	480	1,300	0.9	<0.5	<0.5	0.9	45	
11/07/07 <sup>24</sup>	11.16	5.45	5.71	0.00	0.00	150	180	<0.5	<0.5	<0.5	<0.5	4	
02/13/08 <sup>24</sup>	11.16	6.71	4.45	0.00	0.00	290	59	< 0.5	<0.5	<0.5	<0.5	2	
05/14/08 <sup>24</sup>	11.16	5.96	5.20	0.00	0.00	100	140	<0.5	< 0.5	<0.5	<0.5	2	
08/13/08 <sup>24</sup>	11.16	5.56	5.60	0.00	0.00	3,400	970	<0.5	<0.5	0.6	0.7	74	<b></b> ,
								• •					
B-13		5.04	5.01			2 4003	1,800	19	<5.0	5.5	<5.0	7,400	
11/29/95	11.17	5.26	5.91	'		3,400 <sup>3</sup> 450 <sup>3</sup>	910	12	1.3	2.0	1.9	77	
02/08/96	11.17	6.72	4.45			450 $560^{3}$	140	1.9	<0.5	0.88	2.0	98	
05/08/96	11.17	6.20	4.97			$1,300^3$	1,300	<10	<10	<10	<10	450	
08/23/96	11.17	5.54	5.63			$1,300^{3}$	2,600	- 29	5.4	9.40	6.3	230	
12/12/96	11.17	5.91	5.26			$290^{3}$	670	<0.5	6.7	2.6	5.6	28	
02/10/97	11.17	7.05	4.12			290 480 <sup>3</sup>	920	8.5	4.6	2.1	6.1	530	
05/01/97	11.17	6.17	5.00			$1,300^3$	1,900	23	<5.0	<5.0	<5.0	860	
08/05/97	11.17	5.52	5.65 5.68			$2,200^3$	2,400	33	14	8.4	10	2100	
10/28/97	11.17	5.49	2.69			2,200 260 <sup>3</sup>	110	<0.5	<0.5	<0.5	<0.5	260	
02/04/98	11.17	8.48				$480^{3}$	<50	< 0.5	< 0.5	<0.5	<0.5	400	
06/03/98	11.17	6.79	4.38	'		480 830 <sup>3</sup>	350	5.0	<0.5	0.67	1.2	730/980 <sup>6</sup>	
07/29/98	11.17	6.12	5.05			741	168	0.797	<0.5	<0.5	<0.5	114	
11/30/98	11.17	6.16	5.01			670 <sup>3</sup>	69	<0.5	< 0.5	< 0.5	<0.5	530	
02/24/99	11.17	7.14	4.03			$540^3$	<500	<5.0	<5.0	<5.0	<5.0	454	·
05/06/99	11,17	6.72	4.45			$927^{3}$	748	13.7	<2.5	4.53	10.6	377	
08/30/99	- 11.17	5.43	5.74 5.59			$1,310^3$	1,240	24.6	8.96	<5.0	20.2	1,900	<u></u>
11/17/99	11.17	5.58	4.24			$200^{3}$	443	2.11	0.908	1.89	2.89	254	
02/21/00	11.17	6.93	4.24 4.82	0.00	0.00	200 <sup>11</sup>	190 <sup>10</sup>	< 0.50	0.68	1.7	1.1	190	
05/08/00	11.17	6.35	4.82	0.00	0.00	100 <sup>13</sup>	150 <sup>10</sup>	0.84	1.2	1.3	2.6	44	
08/08/00	11.17	6.18	4.99 5.21	0.00	0.00	290 <sup>14</sup>	560 <sup>9</sup>	4.9	1.4	4.7	11	1,100	
11/01/00	11.17	5.96		0.00	0.00	290 210 <sup>13</sup>	160 <sup>10</sup>	5.4	1.3	2.1	2.5	200	
02/12/01	11.17	6.41	4.76	0.00	0.00	130 <sup>11</sup>	240 <sup>10</sup>	3.7	2.2	0.92	3.2	66	
05/14/01	11.17	6.19	4.98	0.00	0.00	750	560 <sup>10</sup>	13	6.4	<5.0	<5.0	690	
08/13/01	11.17	5.62	5.55	0.00	0.00	2,100	3,500	9.2	8.1	16	25	700	
11/12/01	11.17	5.46	5.71	0.00	0.00	320	430	1.7	0.54	1.0	1.8	91	
02/04/02	11.17	6.62	4.55	0.00	0.00	430	<50	<0.50	< 0.50	< 0.50	<0.50	22	'
05/06/02	11.17	6.44	4.73	0.00	0.00	400	-20	0.00				<b>A</b> = = <b>4</b>	08/13/08

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### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290

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1802 Webster Street

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Alamada	California	
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						Alame	da, Camonna			a a care e la care		1251	erres to t
WELL ID/ DATE	TOC* <i>(ft.)</i>	GWE (msl)	DTW (ft.)	SPHT (fl.)	SPH REMOVED (gallons)	TPH-D (µg/L)	ТР <b>Н-</b> G <i>(µg/L)</i>	В <u>(µg/L)</u>	Τ <i>(μg/L)</i>	E (µg/I)	X (µg/L)	МТВЕ (µg/L)	ТО <b>G</b> (µg/L)
B-13 (cont)													
08/29/02	11.17	5.82	5.35	0.00	0.00	1,600	660	<2.0	1.1	0.82	2.2	320	
11/25/02	11.17	5.69	5.48	0.00	0.00	1,600	1,800	3.3	2.8	4.4	<10	520	
02/05/03	11.17	6.56	4.61	0.00	0.00	550	410	1.1	0.60	<2.0	1.6	94	
05/15/03	11.17	6.59	4.58	0.00	0.00	760	250	<2.0	<0.5	0.9	<1.5	41	
03/13/03 08/14/03 <sup>24</sup>	11.17	5.84	5.33	0.00	0.00	$1,200^{23}$	610	1	0.9	1	2	300	
11/13/03 <sup>24</sup>	11.17	5.61	5.56	0.00	0.00	1,500	810	0.6	0.5	- 1	1	63	
11/13/03 $02/12/04^{24}$	11.17	6.58	4.59	0.00	0.00	180	<50	<0.5	<0.5	<0.5	<0.5	10	·
02/12/04 05/13/04 <sup>24</sup>	11.17	6.42	4.75	0.00	0.00	<50 <sup>23</sup>	<50	<0.5	<0.5	<0.5	<0.5	7	
	11.17	5.91	5.26	0.00	0.00	260	<50	<0.5	<0.5	<0.5	<0.5	8	
08/12/04 <sup>24</sup>	11.17	5.52	5.65	0.00	0.00	240	<50	<0.5	<0.5	<0.5	<0.5	24	
$11/11/04^{24}$	11.17	6.77	4.40	0.00	0.00	150	<50	<0.5	<0.5	<0.5	<0.5	4	
$02/10/05^{24}$	11.17	6.79	4.38	0.00	0.00	730 <sup>26</sup>	<50	<0.5	<0.5	<0.5	<0.5	29	
05/12/05 <sup>24</sup>	11.17	6.09	5.08	0.00	0.00	440 <sup>28</sup>	<50	<0.5	<0.5	<0.5	<0.5	4	
08/11/05 <sup>24</sup>		6.08	5.09	0.00	0.00	370 <sup>27</sup>	170	<0.5	<0.5	<0.5	<0.5	27	
11/10/05 <sup>24</sup>	11.17		4.40	0.00	0.00	200 <sup>27</sup>	<50	<0.5	<0.5	<0.5	<0.5	0.7	
02/09/06 <sup>24</sup>	11.17	6.77	4.40 4.50	0.00	0.00	120	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/11/06 <sup>24</sup>	11.17	6.67	4.30 5.21	0.00	0.00	1,200	92	< 0.5	<0.5	<0.5	<0.5	5	
08/10/06 <sup>24</sup>	11.17	5.96		0.00	0.00	1,500	530	<0.5	<0.5	0.6	0.8	14	
11/09/06 <sup>24</sup>	11.17	5.68	5.49	0.00	0.00	790	68	< 0.5	< 0.5	< 0.5	<0.5	14	
02/08/07 <sup>24</sup>	11.17	5.98	5.19	0.00	0.00	530	<50	< 0.5	<0.5	< 0.5	<0.5	6	
05/10/07 <sup>24</sup>	11.17	6.15	5.02	0.00	0.00	330	140	<0.5	<0.5	<0.5	<0.5	4	
08/08/07 <sup>24</sup>	11.17	5.66	5.51	0.00	0.00	400	250	<0.5	<0.5	<0.5	<0.5	4	
11/07/07 <sup>24</sup>	11.17	5.44	5.73		0.00	200	<50	<0.5	< 0.5	<0.5	<0.5	2	
02/13/08 <sup>24</sup>	11.17	6.84	4.33	0.00	0.00	800	<50	<0.5	<0.5	<0.5	<0.5	2	
05/14/08 <sup>24</sup>	11.17	6.07	5.10	0.00		1,700	< <b>50</b>	<0.5	<0.5	<0.5	<0.5	2	
08/13/08 <sup>24</sup>	11.17	5.68	5.49	0.00	0.00	1,700	~50						
B-14							- 0	-0 50	<0.50	<0.50	<1.5	1,400	
08/29/02 <sup>21</sup>	9.54	5.12	4.42	0.00	0.00	930	<50	<0.50	<0.50	<0.50 <0.50	<1.5	1,100	
11/25/02	9.54	5.14	4.40	0.00	0.00	1,200	<50	<0.50		<0.50 <0.50	<1.5	1,400	
02/05/03	9.54	5.56	3.98	0.00	0.00	580	<50	<0.50	<0.50	<0.5	<1.5	1,500	
05/15/03	9.54	5.69	3.85	0.00	0.00	1,000	<50	<0.5	<0.5 <0.5	<0.5 <0.5	<0.5	1,100	
$08/14/03^{24}$	9.54	5.07	4.47	0.00	0.00	<250 <sup>23</sup>	<50	<0.5		<0.5 <0.5	<0.5	530	
11/13/03 <sup>24</sup>	9.54	5.04	4.50	0.00	0.00	1,800	<50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	1,000	
11/10/00	9.54	5.56	3.98	0.00	0.00	2,000	59	<0.5	< 11 1	SU)	~0.5	1,000	

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# Table 1Groundwater Monitoring Data and Analytical ResultsChevron Service Station #9-02901802 Webster Street

Alameda, California

						Alame	da, Californi	1a			7		and an grant of the second
WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (fl.)	SPHT (fl.)	SPH REMOVED (gallons)	TPH-D (μg/L)	ТРН-G <i>(µg/L)</i>	B (µg/L)	T (µg/L)	Е (µg/L)	Х (µg/L)	МТВЕ <i>(µg/L)</i>	ТО <b>G</b> <i>(µg/<u>L)</u></i>
B-14 (cont)	,												
05/13/04 <sup>24</sup>	9.54	5.47	4.07	0.00	0.00	390 <sup>23</sup>	<50	<1	<1	<1	<1	1,800	
08/12/04 <sup>24</sup>	9.54	5.26	4.28	0.00	0.00	750	<50	<0.5	<0.5	<0.5	<0.5	1,100	
11/11/04 <sup>24</sup>	9.54	4.76	4.78	0.00	0.00	2,100	<50	<0.5	<0.5	< 0.5	<0.5	910	
02/10/05 <sup>24</sup>	9.54	5.82	3.72	0.00	0.00	2,500	78	<1	<1	<1	<1	1,600	
05/12/05 <sup>24</sup>	9.54	5.74	3.80	0.00	0.00	700 <sup>26</sup>	72	<0.5	<0.5	<0.5	<0.5	1,900	
08/11/05 <sup>24</sup>	9.54	5.51	4.03	0.00	0.00	1,500 <sup>27</sup>	<50	<0.5	<0.5	< 0.5	< 0.5	830	
11/10/05 <sup>24</sup>	9.54	5.56	3.98	0.00	0.00	$1,200^{27}$	<50	<0.5	<0.5	<0.5	< 0.5	480	
02/09/06 <sup>24</sup>	9.54	5.84	3.70	0.00	0.00	$1,600^{27}$	52	<0.5	<0.5	<0.5	< 0.5	230	
05/11/06 <sup>24</sup>	9.54	5.77	3.77	0.00	0.00	3,400	<50	<0.5	<0.5	<0.5	< 0.5	190	
08/10/06 <sup>24</sup>	9.54	5.27	4.27	0.00	0.00	1,700	53	<0.5	<0.5	<0.5	< 0.5	440	
11/09/06 <sup>24</sup>	9.54	5.34	4.20	0.00	0.00	1,400	<50	< 0.5	<0.5	<0.5	< 0.5	84	
02/08/07 <sup>24</sup>	9.54	5.36	4.18	0.00	0.00	1,100	<50	< 0.5	<0.5	<0.5	< 0.5	. 7	
05/10/07 <sup>24</sup>	9.54	5.45	4.09	0.00	0.00	910	<50	<0.5	<0.5	<0.5	<0.5	150	
08/08/07 <sup>24</sup>	9.54	5.23	4.31	0.00	0.00	330	<50	<0.5	<0.5	< 0.5	<0.5	94	'
11/07/07 <sup>24</sup>	9.54	5.14	4.40	0.00	0.00	240	<50	<0.5	<0.5	<0.5	< 0.5	50	
02/13/08 <sup>24</sup>	9.54	6.01	3.53	0.00	0.00	520	<50	< 0.5	< 0.5	<0.5	< 0.5	2	
02/13/08 05/14/08 <sup>24</sup>	9.54	5.46	4.08	0.00	0.00	280	<50	<0.5	< 0.5	<0.5	<0.5	20	
03/14/08 08/13/08 <sup>24</sup>	9.54	5.27	4.27	0.00	0.00	180	<50	<0.5	<0.5	<0.5	<0.5	28	
B-15				• • • •	0.00	-120	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
08/29/02 <sup>21</sup>	9.43	5.25	4.18	0.00	0.00	<130	<50 <50	<0.30 <0.50	<0.50	<0.50	<1.5	<2.5	
11/25/02	9.43	5.22	4.21	0.00	0.00	<50		<0.30 <0.50	<0.50 <0.50	<0.50	<1.5	<2.5	
02/05/03	9.43	5.86	3.57	0.00	0.00	<50	<50		<0.5	<0.50	<1.5	<2.5	
05/15/03	9.43	5.88	3.55	0.00	0.00	<50	<50	<0.5 <0.5	<0.5	<0.5 <0.5	<0.5	<0.5	
08/14/03 <sup>24</sup>	9.43	5.30	4.13	0.00	0.00	<50 <sup>23</sup>	<50	<0.3 <0.5	<0.5 <0.5	<0.5	<0.5	0.8	
11/13/03 <sup>24</sup>	9.43	5.14	4.29	0.00	0.00	<50	<50	<0.5 <0.5	<0.5	<0.5	<0.5	<0.5	
02/12/04 <sup>24</sup>	9.43	5.84	3.59	0.00	0.00	<50	<50		<0.5 <0.5	<0.5 <0.5	<0.5	<0.5	
05/13/04 <sup>24</sup>	9.43	5.62	3.81	0.00	0.00	<50 <sup>23</sup>	<50	<0.5	<0.5 <0.5	<0.3 <0.5	<0.5 <0.5	<0.5 <0.5	
08/12/04224	9.43	5.22	4.21	0.00	0.00	<50	<50	< 0.5		<0.5 <0.5	<0.5	<0.5	
11/11/04 <sup>24</sup>	9.43	4.79	4.64	0.00	0.00	<50	<50	<0.5	< 0.5	<0.5 <0.5	<0.3 <0.5	<0.5	
02/10/0524	9.43	6.02	3.41	0.00	0.00	<50	<50	<0.5	<0.5		<0.3 <0.5	<0.5	
05/12/05 <sup>24</sup>	9.43	6.08	3.35	0.00	0.00	<50	<50	<0.5	<0.5	<0.5 <0.5	<0.3 <0.5	<0.5 <0.5	
74 -	9.43	5.56	3.87	0.00	0.00	<50	<50	< 0.5	<0.5				
08/11/05 <sup>24</sup> 11/10/05 <sup>24</sup>	9.43	5.53	3.90	0.00	0.00	<50	<50	<0.5	<0.5	< 0.5	< 0.5	< 0.5	

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### Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0290

1802 Webster Street

Alameda, California

						Alam	eda, Camonna						an an Alte
WELL ID/ DATE	TOC* <i>(fl.)</i>	GWE (msl)	DTW (ft.)	SPHT <i>(ft.</i> )	SPH REMOVED (gallons)	TPH-D (μg/L)	ТРН-G <i>(µg/L)</i>	В (µg/L)	Т (µg/L)	Е (µg/L)	X (µg/L)	МТВЕ <i>(µg/L)</i>	TOG <i>(µg/L)</i>
B-15 (cont)					-						-0.5	<0.5	
02/09/0624	9.43	5.91	3.52	0.00	0.00	$150^{27}$	<50	<0.5	<0.5	<0.5	< 0.5	<0.5	
05/11/06 <sup>24</sup>	9.43	5.96	3.47	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	< 0.5	<0.5 <0.5	
08/10/06 <sup>24</sup>	9.43	5.31	4.12	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5 <0.5	<0.5	
1/09/06 <sup>24</sup>	9.43	5.26	4.17	0.00	0.00	<50	<50	<0.5	< 0.5	<0.5	<0.5 <0.5	<0.5 <0.5	
02/08/07 <sup>24</sup>	9.43	5.35	4.08	0.00	0.00	<50	<50	<0.5	<0.5	<0.5		<0.5 <0.5	
05/10/07 <sup>24</sup>	9.43	5.42	4.01	0.00	0.00	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/08/07 <sup>24</sup>	9.43	5.28	4.15	0.00	0.00	50	<50	<0.5	<0.5	. <0.5	<0.5	<0.5 <0.5	
11/07/07 <sup>24</sup>	9.43	5.10	4.33	0.00	0.00	250	<50	<0.5	<0.5	<0.5	< 0.5	<0.5 <0.5	
$\frac{12}{13}$	9.43	5.92	3.51	0.00	0.00	67	<50	<0.5	<0.5	<0.5	<0.5		
05/14/08 <sup>24</sup>	9.43	5.56	3.87	0.00	0.00	110	<50	< 0.5	<0.5	<0.5	<0.5	<0.5	
08/13/08 <sup>24</sup>	9.43	5.27	4.16	0.00	0.00	170	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
10/15/00							н М						
<b>A-2</b>				0.00		5,100	8,100	860	14	110	53	· · · · ·	· ·
9/20/91	8.00	0.27	7.73	0.00									
10/09/91	8.00	1.39	6.61	0.00									
10/17/91	8.00	1.34	6.66	0.00								, <del></del>	
10/23/91	8.00	1.29	6.80	0.09									
1/01/91	8.00	1.45	6.63	0.15							·		
11/07/91	8.00	1.45	6.64	0.21									
11/15/91	8.00	1.38	6.81	0.19									
11/21/91	8.00	1.31	6.93	0.24								·	
12/12/91	8.00	1.24	6.97	0.15						-			
12/30/91	8.00	1.70	6.54	0.24	. <b></b>								
01/13/92	8.00	2.16	5.92	0.08						 			
01/22/92	8.00	2.00	6.01	0.10									
02/12/92	8.00	2.20	6.06	0.26									
03/09/92	8.00	3.11	4.93	0.04									·
04/10/92	8.00	2.80	5.20	< 0.01									
05/18/92	8.00	2.36	5.66	0.02									
01/06/93	8.00				. ·		·						
02/03/93	8.00	3.20	4.98	0.22					'				
04/23/93	11.46	6.24	5.36	0.18					'				
06/11/93	11.46			·	0.13								
06/15/93	11.46				0.13								

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## Table 1Groundwater Monitoring Data and Analytical ResultsChevron Service Station #9-02901802 Webster Street

Alameda, California

					SPH						<u>, 동생 여행 영화</u>	MTDE	TAC
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	<b>T</b>	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	' (fi.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-2 (cont)					•								
06/18/93	11.46				0.26								
06/22/93	11.46				0.50						,		
06/29/93	11.46									'			
07/09/93	11.46												
07/15/93	11.46	. <b></b> ·								· /			
07/19/93	11.46	5.53	6.79	1.07		·							
07/20/93	11.46										'		
07/27/93	11.46												
08/06/93	11.46			'				• ••					
08/10/93	11.46			'									·
08/16/93	11.46	·		,									`
09/16/93	11.46												
09/24/93	11.46												
10/01/93	11.46												
10/07/93	11.46												
10/13/93	11.46									, <del></del> -			
10/19/93	11.46	6.23	6.36	1.41	'	'				·			
10/20/93	11.46												
10/28/93	11.46												
11/12/93	11.46												
11/19/93	11.46												<del></del>
11/30/93	11.46	·											
12/10/93	11.46		'						·				
12/16/93	11.46	'		·									
12/23/93	11.46				<del></del> '						'.		
12/29/93	11.46												
01/03/94	11.46					'							
01/17/94	11.46	<u></u>	·										
01/26/94	11.46	÷-			<b></b> ·								
01/20/94	11.46												
02/07/94	11.46	·											
02/11/94	11.46			·									·
02/18/94	11.46									'			
02/23/94 03/04/94	11.46											·	
03/04/94	11.40												

# Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

#### Alameda, California

					SPH								
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	В	· T	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
A-2 (cont)													
03/11/94	11.46												
03/16/94	11.46											· - <del>,</del>	
03/25/94	11.46				· ·						·		
DESTROYED													
		-											
B-3		1.00	6.04	0.01									
09/20/91	8.01	1.08	6.94	0.01					<u></u>				
10/09/91	8.01	1.66	6.35										
10/17/91	8.01	1.57	6.44	`					 · ·				
11/01/91	8.01	1.70	6.31										
11/07/91	8.01	1.69	6.32	'									
11/15/91	8.01	1.62	6.39										
11/21/91	8.01	1.57	6.44	/	·								
12/12/91	8.01	1.19	6.82	< 0.01					• ==				
12/30/91	8.01	1.64	6.37						• .				·
01/13/92	8.01	2.07	5.94	'									
01/22/92	8.01	2.02	5.99	'									
02/12/92	8.01	2.19	5.82	< 0.01	·					·			
03/09/92	8.01	2.91	5.10	<b></b> . '					'				
04/10/92	8.01	2.65	5.36		<u> </u>				<b></b> • *				
05/18/92	8.01	2.29	5.72			250	6,200	550	58	13	51		<5,000
01/06/93	8.01	2.51	5.50	Sheen		10,000	5,400	490	54	51	82		
02/03/93	8.01												
04/23/93	11.42	6.10	5.32			6,400	18,000	540	69	47	120		
07/29/93	11.42	5.48	5.94	'	, <b></b>	4,000	40,000	780	69	49	150		
10/19/93	11.42	5.10	6.32			1,500	20,000	520	37	43	100		
01/17/94	11.42	4.47	6.95			<50	3,900	430	32	29	82		
DESTROYED	11.72	4.17	0.75										
													~
<b>B-4</b>							10.000	710	160	650	2,000		
09/20/91	8.04	1.22	6.82	0.01		1,400	19,000	710	100	0.00	2,000		
10/09/91	8.04	1.41	6.63										
10/17/91	8.04	1.20	6.84	. <b></b>						· .			

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### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

#### Alameda, California

					company is a first the second	7		Statute and			a da se a s		t da anti-
WELL ID/ DATE	TOC* <i>(ft.)</i>	GWE (msl)	DTW (fl.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-D (µg/L)	ТРН-G <i>(µg/L)</i>	B (µg/L)	Т (µg/L)	E (µg/L)	X (µg/L)	МТВЕ <i>(µg/L)</i>	ТО <b>G</b> <i>(µg/L)</i>
B-4 (cont)												e.	
10/23/91	8.04	1.17	6.87								1		
11/01/91	8.04	1.34	6.70								<del></del> .		
11/07/91	8.04	1.31	6.73										
11/15/91	8.04	1.21	6.83										
11/21/91	8.04	1.20	6.84						<b></b> '				
12/12/91	8.04	1.17	6.87	< 0.01								·	
12/30/91	8.04	1.58	6.46										
01/13/92	8.04	2.13	5.91										
01/22/92	8.04	2.09	5.95										
02/12/92	8.04	2.26	5.78	< 0.01		860	15,000	920	75	520	940		
03/09/92	8.04	2.95	5.09										
04/10/92	8.04	2.65	5.39										
05/18/92	8.04	2.45	5.59		·	<50	19,000	2,000	97	560	1,200		<5,000
01/06/93	8.04	2.54	5.50	Sheen	·	2,700	19,000	2,000	89	490	740		
02/03/93	8.04												
04/23/93	11.46	6.07	5.39		:	2,300	5,700	2,400	75	380	580		
07/19/93	11.46	5.33	6.13		·	2,400	19,000	2,400	140	440	620		
10/19/93	11.46	4.95	6.51		. <b></b>	2,100	13,000	1,200	84	290	530		,
01/17/94	11.46	5.28	6.18			<50	11,000	1,900	63	170	290		
DESTROYED	11.10	5.20											
B-8													<50
04/23/93	11.99	6.63	5.36		<del></del>		<50	<0.5	<0.5	<0.5	<1.5		<50 ·
07/19/93	11.99	5.77	6.22			<50	<50	<0.5	<0.5	<0.5	<1.5		
10/19/93	11.99	DRY											
01/07/94	11.99	5.69	6.30			<50	<50	<0.5	<0.5	<0.5	<0.5		
08/18/94	11.99	5.56	6.43			<50	<50	<0.5	<0.5	<0.5	<0.5		
11/30/94	11.99	6.53	5.46			120 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5		
02/15/95	11.99	7.27	4.72			120 <sup>1</sup>	<50	<0.5	< 0.5	<0.5	<0.5		
05/01/95	11.99	6.99	5.00			51 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	·	
03/01/93 08/04/95	11.99	6.07	5.92		<b>-</b>	<50	<50	<0.5	< 0.5	<0.5	<0.5		
11/30/98	11.99	6.45	5.54									,	
11/30/98 NOT MONITO			5.51										

NOT MONITORED/SAMPLED

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### Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0290

1802 Webster Street

Alameda, California

	1124212417				SPH				전환 방송 전문 이 전문이	방문 학생들은 이 것:			Structure of
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	Т	E	X	MTBE	TOG
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
	<u>()</u> ,	(1150)	<u> </u>	9.4	(8	<u> </u>							
B-9	10.50	6.14	1 56				<50	< 0.5	<0.5	< 0.5	<1.5		<50
04/23/93	10.70	6.14	4.56			<50	<50 <50	<0.5	<0.5	< 0.5	<1.5		<50
07/19/93	10.70	5.25	5.45			<50 <50	<50 <50	<0.5	<0.5	< 0.5	< 0.5		
10/19/93	10.70	4.81	5.89			<50 <50	<50 <50	<0.5	<0.5	< 0.5	<0.5		
01/07/94	10.70	5.29	5.41	·			<50	<0.5	<0.5	< 0.5	<0.5		
08/18/94	10.70	5.15	5.55			<50	<50 <50	<0.5 <0.5	<0.5	< 0.5	< 0.5	·	
11/30/94	10.70	6.35	4.35			60 <sup>1</sup>		<0.5 <0.5	<0.5	<0.5	<0.5		·
02/15/95	10.70	7.05	3.65	· · ·-		<50	<50			<0.5 <0.5	<0.5		
05/01/95	10.70	6.41	4.29			<50	<50	<0.5	< 0.5	<0.3 <0.5	<0.5 <0.5	*	
08/04/95	10.70	5.50	5.20			<50	<50	<0.5	<0.5	<0.5	<0.5	,	
NOT MONITOR	ED/SAMP	LED											
TRIP BLANK							<b>7</b> 0	-0.5	-0.5	<0.5	<0.5		
01/06/93							<50	<0.5	<0.5				
04/23/93			'										
07/19/93		· ·											
10/19/93							<50	<0.5	0.5	<0.5	<0.5		
01/17/94	·	:					<50	<0.5	<0.5	<0.5	<0.5		
08/18/94		,					<50	<0.5	<0.5	<0.5	<0.5		
11/30/94							<50	<0.5	<0.5	<0.5	<0.5		
02/15/95							<50	<0.5	<0.5	<0.5	< 0.5		
05/01/95							<50	<0.5	<0.5	<0.5	< 0.5		
08/04/95							<50	<0.5	<0.5	<0.5	<0.5		
11/29/95							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
02/08/96							<50	< 0.5	<0.5	<0.5	<0.5	·	
02/08/96							<50	< 0.5	<0.5	<0.5	<0.5	<2.5	
03/08/90							<50	< 0.5	<0.5	<0.5	<0.5		
							<50	<0.5	<0.5	< 0.5	<0.5	<2.5	
12/12/96							<50	<0.5	<0.5	< 0.5	<0.5	<2.5	
02/10/97							<50	<0.5	<0.5	< 0.5	<0.5	<2.5	
05/01/97							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
08/05/97							<50	< 0.5	<0.5	<0.5	<0.5	<2.5	·
10/28/97							<50 <50	<0.5	<0.5	< 0.5	<0.5	<2.5	
02/04/98							<50 <50	< 0.5	<0.5	< 0.5	<0.5	<2.5	
02/12/98							<50	<0.5	<0.5	< 0.5	<0.5	<2.5	
06/03/98							~50	-0.0	0.0				C00/12/09

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# Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street

Alameda, California

					SPH	이 사랑적 회원(영) 2013년 - 1917년 2013년 - 1917년	(1996) 1997 - Charles States (1997)				X	MTBE	тоg
WELL ID/	TOC*	GWE	DTW	SPHT	REMOVED	TPH-D	TPH-G	B	T	E		μg/L)	(μg/L)
DATE	(ft.)	(msl)	(ft.)	(ft.)	(gallons)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
TRIP BLANK											-0 <b>-</b>		
07/29/98							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
11/30/98							<50	<0.5	< 0.5	<0.5	<0.5	<2.0	
02/24/99							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
05/06/99						. <b></b>	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
08/30/99							<50	<0.5	<0.5	<0.5	<0.5	<2.5	
11/17/99				· 			<50	<0.5	<0.5	<0.5	<0.5	<2.5	
02/21/00					,		<50	<0.5	<0.5	<0.5	<0.5	<2.5	
05/08/00							<50	<0.50	<0.50	< 0.50	<0.50	<2.5	
08/08/00				·			<50	<0.50	<0.50	< 0.50	<0.50	<2.5	
11/01/00					·		<50	<0.50	<0.50	< 0.50	<0.50	<2.5	
02/12/01	、	·					<50	<0.50	<0.50	<0.50	< 0.50	<2.5	
							<50	<0.50	< 0.50	< 0.50	< 0.50	<2.5	
05/14/01				_ <del>_`</del>			<50	<0.50	<0.50	< 0.50	<0.50	<2.5	
08/13/01													
QA							<50	< 0.50	<0.50	<0.50	<1.5	<2.5	<u>.</u>
11/12/01							<50	< 0.50	< 0.50	<0.50	<1.5	<2.5	
02/04/02							<50	< 0.50	<0.50	<0.50	<1.5	<2.5	
05/06/02							<50	< 0.50	<0.50	<0.50	<1.5	<2.5	
08/29/02							<50	< 0.50	<0.50	<0.50	<1.5	<2.5	
11/25/02							<50	<0.50	<0.50	<0.50	<1.5	<2.5	
02/05/03							<50	<0.5	<0.5	<0.5	<1.5	<2.5	
05/15/03							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/14/03 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/13/03 <sup>24</sup>			-				<50	<0.5	<0.5	<0.5	<0.5	< 0.5	
02/12/04 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
05/13/04 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	< 0.5	
08/12/04 <sup>24</sup>				 	,-		<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/11/04 <sup>24</sup>							<50	<0.5	< 0.5	<0.5	<0.5	<0.5	
02/10/05 <sup>24</sup>							<50	<0.5	<0.5	<0.5	< 0.5	<0.5	
05/12/05 <sup>24</sup>							<50	<0.5	< 0.5	<0.5	<0.5	<0.5	
08/11/05 <sup>24</sup>							<50 <50	0.6 <sup>30</sup>	<0.5	<0.5	<0.5	<0.5	
11/10/05 <sup>24</sup>				·			<50 <50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/09/06 <sup>24</sup>							<50 <50	<0.5	<0.5	< 0.5	<0.5	<0.5	
05/11/06 <sup>24</sup>							<50 <50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/10/06 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
11/09/06 <sup>24</sup>							~50	0.0					08/13/08

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#### Alameda, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW <i>(ft.)</i>	SPHT <i>(fl.)</i>	SPH REMOVED (gallons)	ТРН-D <i>(µg/L)</i>	ТРН-G <i>(µg/L)</i>	В (µg/L)	Т <i>(µg/L)</i>	E (µg/Ľ)	X (µg/L)	МТВЕ <i>(µg/L)</i>	TOG (µg/L)
QA (cont)							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/08/07 <sup>24</sup>				·			<50	< 0.5	<0.5	<0.5	<0.5	<0.5	
05/10/07 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
08/08/07 <sup>24</sup>							<50	<0.5	< 0.5	<0.5	<0.5	<0.5	
11/07/07 <sup>24</sup>							<50	<0.5	<0.5	<0.5	<0.5	<0.5	
02/13/08 <sup>24</sup>							<50	<0.5	<0.5	< 0.5	<0.5	<0.5	
05/14/08 <sup>24</sup> 08/13/08 <sup>24</sup>	·						<50	<0.5	<0.5	<0.5	<0.5	<0.5	

9-0290.xls/#385280

#### Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street Alameda, California

#### **EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to May 8, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

MTBE = Methyl tertiary butyl ether TPH-D = Total Petroleum Hydrocarbons as Diesel TOC = Top of CasingTOG = Total Oil and Grease TPH-G = Total Petroleum Hydrocarbons as Gasoline (ft.) = Feet $(\mu g/L) =$  Micrograms per liters B = BenzeneGWE = Groundwater Elevation-- = Not Measured/Not Analyzed T = Toluene(msl) = Mean sea level NP = No PurgeE = EthylbenzeneDTW = Depth to Water OA = Quality Assurance/Trip Blank X = XylenesSPHT = Separate Phase Hydrocarbon Thickness

TOC elevations were surveyed on September 26, 2002, by Virgil Chavez Land Surveying. The benchmark for this survey was a brass disk in a monument well at the mid return of the

northwest corner of Webster St. and Buena Vista Ave., (Benchmark Elevation = 11.09 feet NGVD 29).

GWE has been corrected due to the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.80)]. \*\*

Chromatogram pattern indicates a non-diesel mix. 1

Analytical values are in parts per million (ppm). 2

Chromatogram pattern indicates an unidentified hydrocarbon.

Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel. 4

5 EPA Method 8240.

6 Confirmation run.

Hydrocarbon pattern appears to be weathered. 7

Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons >C10. 8

Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12. 9

Laboratory report indicates gasoline C6-C12. 10

Laboratory report indicates unidentified hydrocarbons C9-C24. 11

Laboratory report indicates unidentified hydrocarbons >C16. 12

Laboratory report indicates unidentified hydrocarbons <C16. 13

Laboratory report indicates unidentified hydrocarbons C9-C40. 14

Laboratory report indicates unidentified hydrocarbons C6-C12. 15

16 Well obstructed by roots.

Laboratory report indicates TPH-G, B, T, E, X and MTBE was originally analyzed within holding time. Re-analysis for confirmation or dilution was 17 performed past the recommended holding time.

Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended 18 holding time.

Laboratory report indicates sample was run past holding time. 19

20 Obstruction in well at 11.46 feet.

21 Well development performed.

9-0290.xls/#385280

27

# Table 1 Groundwater Monitoring Data and Analytical Results Chevron Service Station #9-0290 1802 Webster Street Alameda, California

#### EXPLANATIONS: (cont)

<sup>22</sup> Laboratory report indicates the analysis was performed from a previously opened vial and the results are therefore estimated.

<sup>23</sup> TPH-D with silica gel cleanup.

<sup>24</sup> BTEX and MTBE by EPA Method 8260.

<sup>25</sup> TOC has been altered due to well repair. Unable to determine an accurate GWE.

<sup>26</sup> Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.

<sup>27</sup> Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.

<sup>28</sup> Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel.

<sup>29</sup> Analysis by EPA Method 8260.

<sup>30</sup> Laboratory confirmed analytical result.

<sup>31</sup> Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, an additional pattern which elutes later in the DRO range and individual peaks eluting in the DRO range.

<sup>32</sup> Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration

of this compound cannot be determined due to the presence of this interferent.

### APPENDIX C

### GEOTRACKER UPLOAD CONFIRMATION

### STATE WATER RESOURCES CONTROL BOARD

UPLOADING A GEO\_WELL FILE

### SUCCESS

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

Submittal Type: Submittal Title: Facility Global ID: Facility Name: File Name: Organization Name: Username: IP Address: Submittal Date/Time: Confirmation Number: GEO\_WELL 3Q08 GEO\_WELL 11104 T0600101651 BP #11104 GEO\_WELL.zip Broadbent & Associates, Inc. BROADBENT-C 67.118.40.90 9/8/2008 3:47:44 PM 8653832554

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### **GEOTRACKER ESI**

UPLOADING A EDF FILE

### SUCCESS

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

Submittal Type: Submittal Title: Facility Global ID: Facility Name: File Name: Organization Name: Username: IP Address: Submittal Date/Time: Confirmation Number: GWM\_R 3Q08 GW Monitoring T0600101651 BP #11104 08081390.zip Broadbent & Associates, Inc. BROADBENT-C 67.118.40.90 9/8/2008 3:50:04 PM 6927737176

#### VIEW QC REPORT

VIEW DETECTIONS REPORT

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### ATTACHMENT E

### STANDARD FIELD PROCEDURES FOR SOIL VAPOR PROBE INSTALLATION AND SAMPLING

### Conestoga-Rovers & Associates

### STANDARD FIELD PROCEDURES FOR SOIL VAPOR PROBE INSTALLATION AND SAMPLING

### VAPOR POINT METHODS

This document describes Conestoga-Rovers & Associates' standard field methods for soil vapor sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

### Objectives

Soil vapor samples are collected and analyzed to assess whether vapor-phase subsurface contaminants pose a threat to human health or the environment.

### **Shallow Soil Vapor Point Installation**

The shallow soil vapor point method for soil vapor sampling utilizes a hand auger or drill rig to advance a boring for the installation of a soil vapor sampling point. Once the boring is hand augered to the final depth, a probe, connected with Swagelok fittings to nylon or Teflon tubing of <sup>1</sup>/<sub>4</sub>-inch outer-diameter, is placed within 12-inches of number 2/16 filter sand. A 12-inch layer of dry granular bentonite is placed on top of the filter pack. Pre-hydrated granular bentonite is then poured to fill the borehole. The tube is coiled and placed within a wellbox finished flush to the surface. Soil vapor samples will be collected no sooner than 48 hours after installation of the soil vapor points to allow adequate time for representative soil vapors to accumulate. Soil vapor sample collection will not be scheduled until after a minimum of three consecutive precipitation-free days and irrigation onsite has ceased. A measured volume of air will be purged from the tubing using a different Summa purge canister. Immediately after purging, soil vapor samples will be collected using the appropriate size Summa canister with attached flow regulator and sediment filter. The soil vapor points will be preserved until they are no longer needed for risk evaluation purposes. At that time, they will be destroyed by extracting the tubing, hand augering to remove the sand and bentonite, and backfilling the boring with neat cement. The boring will be patched with asphalt or concrete, as appropriate.

### Sampling of Soil Vapor Points

Samples will be collected using a SUMMA<sup>™</sup> canister connected to sampling tubing at each vapor point. Prior to collecting soil vapor samples, the initial vacuum of the canisters is measured and recorded on the chain-of-custody. The vacuum of the SUMMA<sup>™</sup> canister is used to draw the soil

### Conestoga-Rovers & Associates

vapor through the flow controller until a negative pressure of approximately 5-inches of Hg is observed on the vacuum gauge and recorded on the chain-of-custody. The flow controllers should be set to 100-200 ml/minute. Field duplicates should be collected for every day of sampling and/or for every 10 samples collected.

Prior to sample collection, stagnant air in the sampling apparatus should be removed by purging approximately 3 purge volumes. The purge volume is defined as the amount of air within the probe and tubing.

In accordance with the DTSC Advisory-Active Soil Gas Investigations guidance document, dated January 28, 2003, leak testing needs to be performed during sampling. Helium is recommended, although shaving cream is acceptable.

### Vapor Sample Storage, Handling, and Transport

Samples are stored and transported under chain-of-custody to a state-certified analytic laboratory. Samples should never be cooled due to the possibility of condensation within the canister.