Aaron Costa
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2961
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acosta@chevron.com

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

Re: Former Chevron Service Station No. 9-1851
451 Hegenberger Road
Oakland, CA

I have reviewed the attached report dated January 30, 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

CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
http://www.craworld.com

January 30, 2009 Reference No. 311976

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

Re: Work Plan for Soil Borings
Chevron Service Station 9-1851
451 Hegenberger Road
Oakland, California
Fuel Leak Case RO0000464

Dear Mr. Plunkett:

Conestoga-Rovers & Associates (CRA) is submitting this *Work Plan for Soil Borings* on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. Alameda County Environmental Health Services (ACEH) requested additional source area and downgradient plume characterization in a letter dated September 30, 2008 (Attachment A). CRA proposes to advance four soil borings to further delineate petroleum hydrocarbons vertically and horizontally. The site conceptual model (SCM), also requested by ACEH, will be submitted under separate cover. Presented below are a summary of the site background and the proposed scope of work.

SITE BACKGROUND

The site is an active gasoline service station located at 451 Hegenberger Road, on the northwest corner of Hegenberger and Edgewater Roads in Oakland, California (Figure 1). The site is currently operated as a "Super Stop" retail gasoline service station with one building, two fuel dispenser islands, three 10,000-gallon underground gasoline storage tanks (USTs) in one tank complex and one 10,000-gallon diesel UST in a separate tank complex (Figure 2). Chevron operated the site from 1961 to 1999. In 1982 the used-oil tank was determined to be taking on water and was replaced with a 1,000-gallon single wall fiberglass tank. This used-oil tank was removed in 1998. In 1984, the existing steel tanks were removed and replaced with three 10,000-gallon single wall fiberglass USTs. Land use near the site is commercial and industrial.

A total of one soil boring and seven groundwater monitoring wells have been installed at the site. A summary of the previous environmental investigations conducted to date at the site are summarized in Attachment B.

SITE GEOLOGY AND HYDROGEOLOGY

This portion of Hegenberger Road was formally a tidal wetland that was filled in the 1940's. Soils encountered beneath the site generally consists of silty and clayey sand from grade to depths of approximately 5 to 10 feet below grade (fbg), underlain by sandy clay and poorly graded sand to 16.5 fbg, the total depth explored.

The site is located in the East Bay Plain Groundwater Basin, near the boundary of the Oakland and San Leandro Sub Basins. Groundwater flow direction in the basin typically flows along surface topography towards San Francisco Bay. Site topography is relatively flat at an elevation of approximately three feet above mean sea level, with the surrounding topography sloping towards the southwest. The nearest surface water is San Leandro Creek, which is located approximately ¼-mile west of the site. Depth to groundwater has historically ranged from approximately 2 to 7 fbg. Groundwater flow direction fluctuates, but is predominately to the southwest at a gradient of 0.003 to 0.06.

PROPOSED SCOPE OF WORK

In a letter dated September 30, 2008, ACEH requested further horizontal and vertical delineation of the source area and dissolved plume. The main constituent of concern is methyl tert-butyl ether (MTBE), most likely from a vapor release, due to the lack of other petroleum hydrocarbon concentrations in groundwater since monitoring began in 1995.

In 1998, petroleum hydrocarbons were detected in soil samples collected from beneath the northeast and southeast dispensers at 2 fbg at concentrations up to 3,800 milligrams per kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPHg), 200 mg/kg benzene, 93 mg/kg toluene, 310 mg/kg ethylbenzene, and 290 mg/kg xylenes were detected. No MTBE was detected in any of the soil samples. In 1997, soil boring SB-1 was advanced southeast of the southeast dispenser. No petroleum hydrocarbons were detected in SB-1, but MTBE was not analyzed for, nor were grab-groundwater samples collected. Therefore, CRA recommends advancing three borings in the vicinity of the dispenser islands and one boring in the vicinity of the USTs to verify if there is an MTBE source in soil. One boring will be advanced near the northeast dispenser, one boring near the southeast dispenser, one boring in the vicinity of boring SB-1, and one boring downgradient of the USTs (Figure 3).

In 1998, the former used-oil tank was removed from the west side of the station building (Figure 2). Non-aqueous phase liquids (NAPL) were observed in groundwater in the tank pit, following the removal of the tank. In 1995, monitoring well MW-2 was installed near the used-oil UST, to the southwest. Groundwater monitoring began in 1995, but no NAPL was measured in MW-2 until 2004. Since that first

occurrence, NAPL has been observed four other times, including during the most recent monitoring event in the third quarter 2008. The maximum TPHg concentration in groundwater from well MW-2 was 648 micrograms per liter (µg/L) in the first quarter 1999, and has not been detected since the fourth quarter 2002. Benzene and xylenes have not been detected since the first quarter 2001, toluene since the third quarter 2001, and ethylbenzene since the second quarter 1999. MTBE is still present in groundwater. In August 2008, CRA had a sample of the NAPL fingerprinted to determine its composition by the Chevron Environmental Technology Company (CETC). It was determined that over 92% of the sample is within the carbon range of C_{21} to C_{45+}. The rest of the sample is comprised of approximately 0.7% from the gasoline fraction and the remainder from the diesel fuel #2 fraction. Total petroleum hydrocarbons as diesel (TPHd) is not currently analyzed in well MW-2, although it has been detected at concentrations up to 8,500 µg/L. Although NAPL has been detected, the former used-oil UST is not a source of MTBE. The CETC project summary is included as Attachment C. ACEH has asked for this issue to be addressed in a Feasibility Study/Corrective Action Plan to be submitted at a later date.

On January 17, 2001, Delta Environmental Consultants, Inc. (Delta) submitted a *Monitoring Well Installation and Groundwater Sampling Results* Report in which they mis-stated the groundwater flow direction. Delta submitted a revised report, *Monitoring Well Installation and Groundwater Sampling Results – Revised*, submitted on January 25, 2001. ACEH states that they concur with Delta's evaluation from the original report that additional investigation is needed east and southeast of the site for plume characterization. In the revised report, Delta concluded that additional assessment appears to be necessary to the south and west of the site. CRA believes that no additional plume characterization is necessary based on groundwater analytical results and consistent decreasing trends of MTBE in all monitoring wells, including wells south and west of the USTs and the dispenser islands. From the third quarter 2008 monitoring event, the highest detection of MTBE was in well MW-4 at 34 µg/L. Trend graphs for all monitoring wells, except well MW-6, are included as Attachment D. Well MW-6 has rarely contained detectable MTBE concentrations. CRA's Third Quarter 2008 Groundwater Monitoring Report is included as Attachment E.

To accomplish the scope of work in the area of the dispensers, Chevron and CRA propose to conduct the following:

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.

Underground Utility Location: CRA will contact Underground Services Alert (USA) and use a private utility locator to confirm that no utilities exist at and near the probe locations. Per Chevron safety standards, each boring will be cleared to 8 fbg using an air-knife assisted vacuum rig or hand auger.

Geoprobe® Borings: CRA proposes to advance borings SB2 through SB5 to approximately 20 fbg. After clearing to eight fbg, the borings will be advanced using hydraulic push rods lined with four-foot macroliners into undisturbed sediments. After soil and grab-groundwater samples have been collected, the borings will be filled with Portland neat cement and finished to match the existing grade. Exact boring locations and final depths will be based on site and utility constraints. CRA's Standard Field Procedures for Soil Borings is presented as Attachment F.

Soil Sampling Protocol: Soil samples will be collected for laboratory analysis at approximately 5-foot intervals, at obvious changes in soils, and where hydrocarbon staining or odors are observed, to a depth of 20 fbg. CRA geologists will continuously log soils using the Unified Soil Classification System. Soil will be field-screened using a photo-ionization detector (PID) and visual observations. All samples will be sealed, capped, labeled, logged on a chain-of-custody form, placed on ice and transported to a Chevron and State-approved laboratory for analysis.

Groundwater Sampling Protocol: Grab-groundwater samples will be collected at first encountered groundwater from all borings using disposable bailers and decanted into clean, laboratory supplied containers. All samples will be sealed, labeled, logged on a chain-of-custody form, placed on ice and transported to a Chevron and State-approved laboratory for analysis.

Chemical Analysis: Soil and grab-groundwater samples will be analyzed for the following:

- TPHg by EPA Method 8015 modified, and
- Benzene, toluene, ethylbenzene and xylenes (BTEX), MTBE, di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME) and tertiary butyl alcohol (TBA) by EPA Method 8260B.

Waste Disposal: Generated soil cuttings 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 report that, at a minimum, will contain:

- Descriptions of the drilling and sampling methods;
- Boring logs;
- Tabulated soil and groundwater analytical results;
- Analytical reports and chain-of-custody forms;
- Soil disposal details;
- An evaluation of the extent of hydrocarbons in the subsurface; and
- Conclusions and recommendations.

Once work is completed, CRA will also update the SCM submitted to ACEH on January 30, 2009.

SCHEDULE

CRA will proceed with the proposed scope of work upon receipt of written approval from ACEH. After approval, CRA will obtain the necessary drilling permits, access agreements, and schedule the subcontractors at their earliest availability. We will submit our investigation report approximately six to eight weeks after completion of field activities.

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

Charlotte Evans

Brandon S. Wilken, P.G. # 7564

CE/doh/2

Enc.

Figure 1	Site Vicinity Map
Figure 2	Site Plan
Figure 3	Site Plan with Proposed Soil Boring Locations
Attachment A	ACEH September 30, 2008 Letter
Attachment B	Summary of Previous Environmental Work
Attachment C	Chevron ETC Project Summary
Attachment D	Trend Graphs from Monitoring Wells
Attachment E	CRA's Third Quarter 2008 Groundwater Monitoring Report
Attachment F	Standard Field Procedures for Soil Borings

cc: Mr. Aaron Costa, Chevron Environmental Management Company

FIGURES

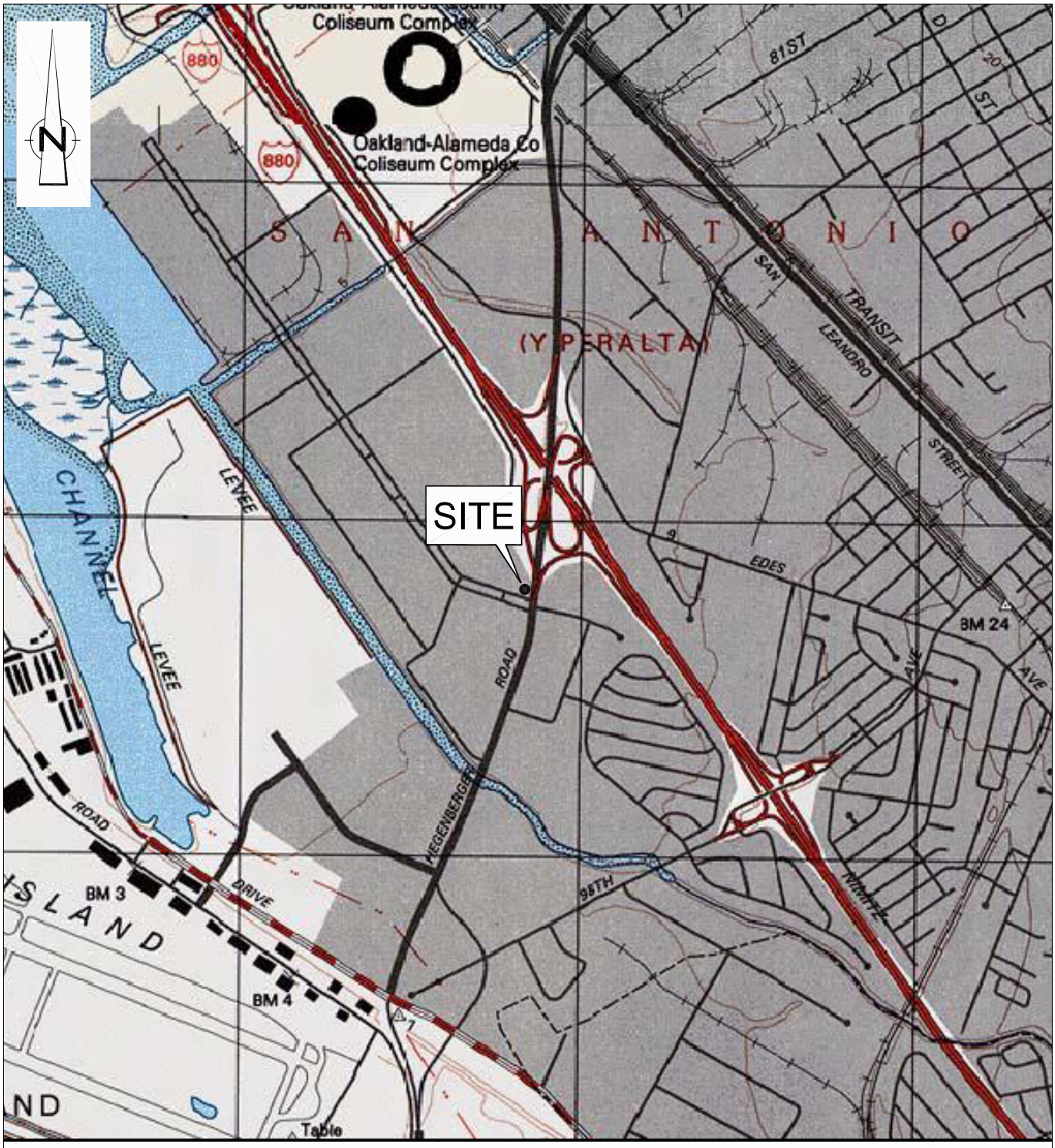


figure 1

VICINITY MAP
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD
Oakland, California

311976-2008(PRES001)GN-EM001

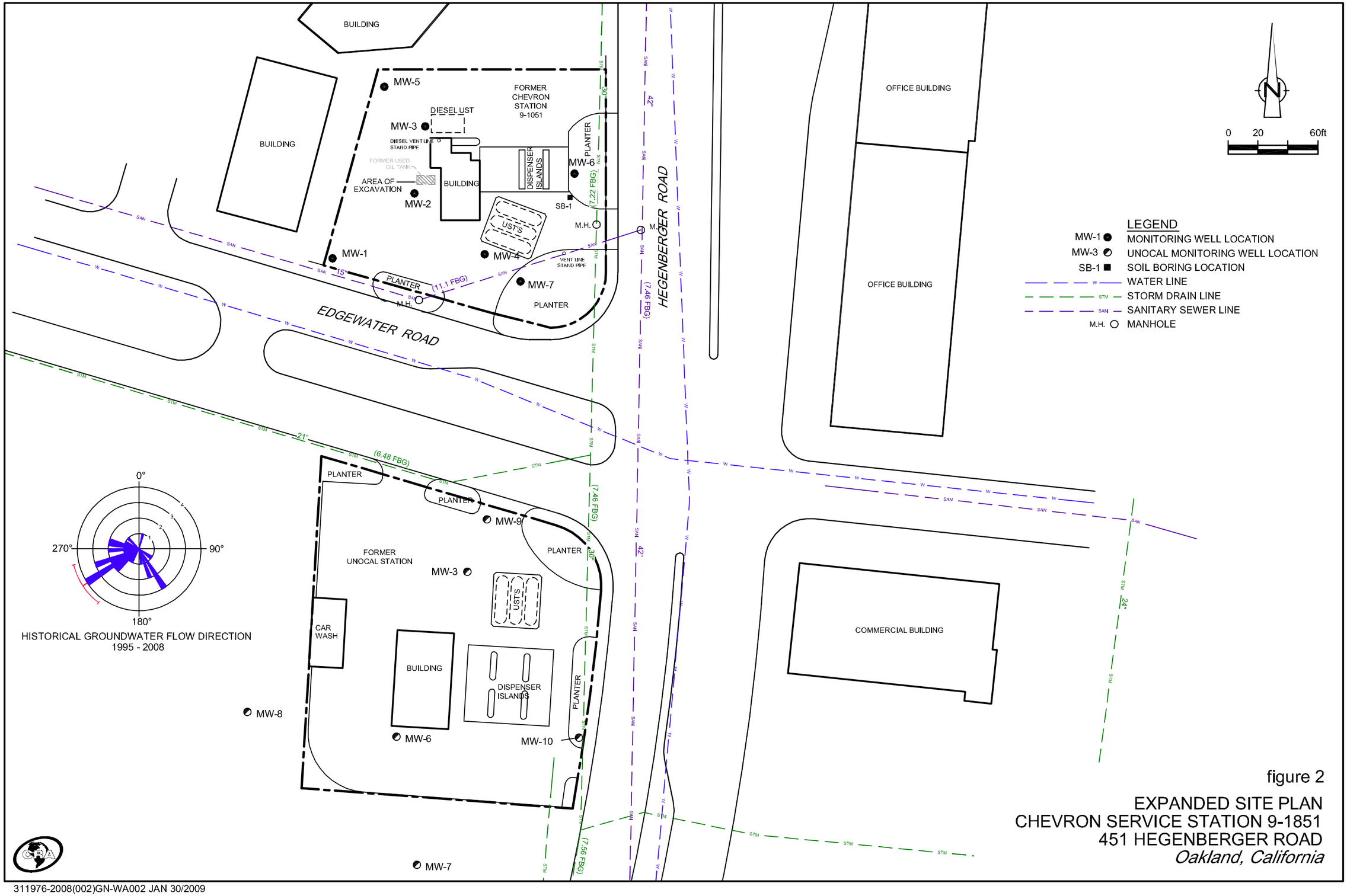


figure 2

EXPANDED SITE PLAN
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD
Oakland, California

311976-2008(002)GN-WA002 JAN 30/2009

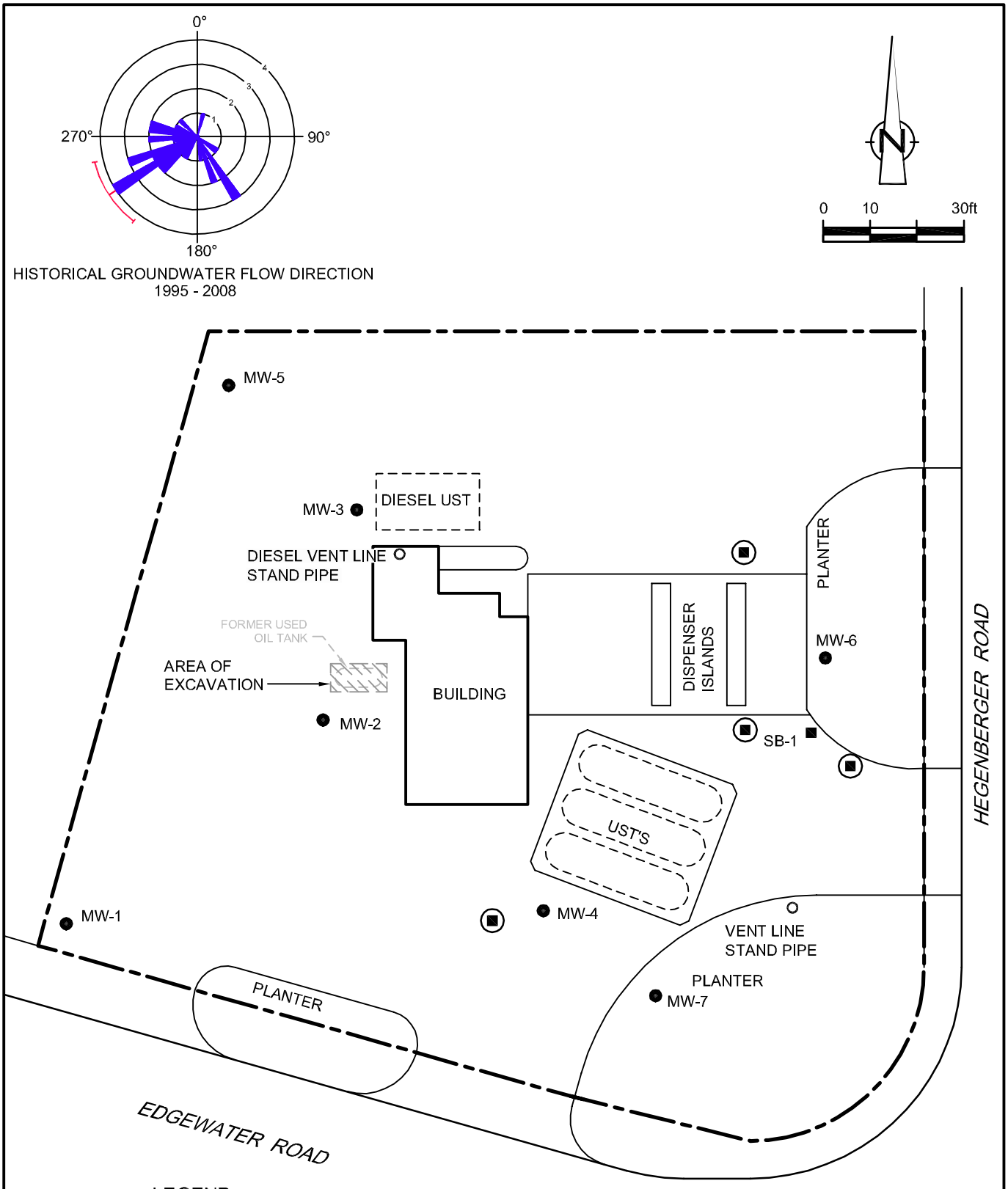


figure 3

PROPOSED BORING LOCATIONS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD
Oakland, California

311976-2008(002)GN-WA001 JAN 30/2009

ATTACHMENT A

ACEH SEPTEMBER 30, 2008 LETTER

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

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

September 30, 2008

Mr. Aaron Costa
Chevron Environmental Mgmt.
6001 Bollinger Canyon Road
PO Box 6012
San Ramon, CA 94583-2324

Convenience Retailers LLC
c/o Smart Business Advisory
PO Box 59365
Schaumburg, IL 60159

Kayo Oil Company
c/o Real Estate Administrator
315 S. Johnson #810G
Bartlesvill, OK 74004-0001

Subject: Fuel Leak Case No. RO0000464 (Global ID # T0600102238), Chevron #9-1851, 451 Hegenberger Road, Oakland, CA 94612

Dear Mr. Costa and Mr. Gomez:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above referenced site and the documents entitled "Interim Corrective Action Overpurge Results" dated November 17, 2005 and prepared by Conestoga Rovers Associates (CRA). Results from the remedial action have had limited success, with separate phase hydrocarbon contamination persisting in groundwater beneath your site. In addition, no soil data has been collected below 10 feet bgs to evaluate the vertical extent of contamination in the source area. Furthermore, significant data gaps exist at your site; therefore, we request that you prepare a site conceptual model (SCM) to address any data gaps. In addition, a feasibility study and corrective action plan (FS/CAP) is required to address residual free phase hydrocarbon contamination in soil and groundwater beneath your 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 mail to: steven.plunkett@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Source Area Characterization**. During a previous site investigation completed in December 1995, four soil borings were advanced and completed as groundwater monitoring wells (MW-1 to MW-4) in order to evaluate soil and groundwater contamination beneath your site. Contamination in shallow soil was detected at concentrations of up to 8.4 mg/kg; however, no soil samples were collected below 5.5 feet bgs. In addition, in December 1998, during the removal of a waste oil tank, free product was observed in the tank pit, also high concentrations of TPHg and benzene were detected in shallow soil beneath the fuel dispensers at concentrations of up to 3,800 mg/kg and 200 mg/kg, respectively. Then, in October 2000, two additional monitoring wells were installed; however soil samples were not collected below 9 feet bgs. The lack of soil analytical data below 9 feet bgs indicates that the vertical extent of contamination in the source area is undefined. Therefore, ACEH requests that you prepare a work plan to address the vertical extent of contamination in the source area. Please submit the work plan according to the schedule outlined below.

2. **Dissolved Contaminant Plume Characterization**. Delta stated in their January 2001 *Well Installation and Groundwater Sampling Results*, additional investigation east and southeast of the site apprears to be necessary. ACEH concurs with the conclusion that additional offsite characterization is necessary; therefore, we

request that you prepare extended site maps, which utilize aerial photos as base maps for your site, and accurately depict neighboring structures and site features in relation to the groundwater contaminant plume for all future reports. Please propose additional offsite characterization to establish the extent of contamination east and south of your site, and submit a work plan according to the schedule below.

3. **Site Conceptual Model**. We anticipate that site remediation work will be necessary beneath your site to remediate residual contamination in the subsurface. Considerable cost savings can be realized if your consultant focuses on developing and refining a viable Site Conceptual Model (SCM) for the project. A SCM is a set of working hypotheses pertaining to all aspects of the contaminant release, including site geology, hydrogeology, release history, residual and dissolved contamination, attenuation mechanisms, pathways to nearby receptors, and likely magnitude of potential impacts to receptors. The SCM is used to identify data gaps that are subsequently filled as the investigation proceeds. As the data gaps are filled, the working hypotheses are modified, and the overall SCM is refined and strengthened. Subsurface investigations continue until the SCM no longer changes as new data are collected. At this point, the SCM is said to be 'validated.' The validated SCM then forms the foundation for developing the most cost-effective corrective action plan to protect existing and potential receptors.

   When performed properly, the process of developing, refining and ultimately validating the SCM effectively guides the scope of the entire site investigation. We have identified, based on our review of existing data, some initial key data gaps in this letter and have described several tasks that we believe will provide important new data to refine the SCM. We request that your consultant incorporate the results of the new work requested in this letter into their SCM, identify new and/or remaining data gaps, and propose supplemental tasks for future investigations. There may need to be additional phases of investigations, each building on the results of prior work, to validate the SCM. Characterizing the site in this manner will focus the scope of work to address the identified data gaps, which improve the efficiency of the work, and limit its overall costs.

   Both industry and the regulatory community endorse the SCM approach. Technical guidance for developing SCMs is presented in Strategies for Characterizing Subsurface Releases of Gasoline Containing MTBE, American Petroleum Institute Publication No. 4699 dated February 2000; 'Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators' (EPA 510-B-97-001), prepared by the U.S. Environmental Protection Agency (EPA), dated March 1997; and 'Guidelines for Investigation and Cleanup of MTBE and Other Ether-Based Oxygenates, Appendix C,' prepared the State Water Resources Control Board, dated March 27, 2000.

   The SCM for this project is to incorporate, but not limited to, the following:

   a. A concise narrative discussion of the regional geologic and hydrogeologic setting. Include a list of technical references you reviewed, and copies (photocopies are sufficient) of regional geologic maps, groundwater contours, cross-sections, etc.

   b. A concise discussion of the on-site and off-site geology, hydrogeology, release history, source zone, plume development and migration, attenuation mechanisms, preferential pathways, and potential threat to down-gradient and above-ground receptors (e.g. contaminant fate and transport). Please include the contaminant volatilization from the subsurface to indoor/outdoor air exposure route (i.e. vapor pathway) in the analysis. Maximize the use of large-scaled graphics (e.g. maps, cross-sections, contour maps, etc.) and conceptual diagrams to illustrate key points.

   c. Identification and listing of specific data gaps that require further investigation during subsequent phases of work and propose a scope of work to acquire data to address the identified data gaps.

d. The SCM shall include an analysis of the hydraulic flow system at down-gradient from the site. Include rose diagrams for depicting groundwater gradients. The rose diagram shall be plotted on the groundwater contour maps and updated in all future reports submitted for your site. Include an analysis of vertical hydraulic gradients. Please note that these likely change due to seasonal precipitation and groundwater pumping.

e. Provide extended site maps that show adjacent buildings, structures, roads and other pertinent facilities. We recommend the use of aerial photos as a base map.

f. Temporal changes in the plume location and concentrations are also a key element of the SCM. In addition to providing a measure of the magnitude of the problem, these data are often useful to confirm details of the flow system inferred from the hydraulic head measurements. Please include plots of the contaminant plumes on your maps, cross-sections, and diagrams.

g. Summary tables of chemical concentrations in different media (i.e. soil, groundwater, and soil vapor), including well logs, well completion details, boring logs, etc.

h. Other contaminant release sites may exist in the vicinity of your site. Hydrogeologic and contaminant data from those sites may prove helpful in testing certain hypotheses for your SCM. Include a summary of work and technical findings from nearby release sites, if applicable.

i. Please discuss the results and effectiveness of free product removal including any recommendations to supplement the current free product removal by overpurging.

At this juncture, prepare a site conceptual model (SCM) as described above, including developing and/or identifying site cleanup goals, and include the results of the SCM in the decision-making process. If data gaps (i.e. vertical and lateral extent of contamination, potential contaminant volatilization to indoor air, or contaminant migration along preferential pathways, etc.) are identified in the SCM, please include a work plan to address those data gaps.

Once site characterization is completed and all identified data gaps have been addressed, a Feasibility Study, should be prepared in accordance with California Code of Regulations, Title 23, Division 3, Chapter 16, §2725(f), which evaluates at least three cost-effective remedial approaches, not including the no action and monitored natural attenuation remedial alternatives, having likelihood of attaining site cleanup objectives.

4. **Feasibility Study/Corrective Action Plan**. Currently, separate phase hydrocarbon contamination has been detected in onsite wells MW-2, and free product has been detected in onsite wells as recently as June 2008 in MW-2. CRA has implemented batch groundwater extraction to remove residual dissolved and separate phase hydrocarbon contamination in groundwater. Results from 4 years of free product removal demonstrate limited success; therefore, we request that you prepare a Feasibility Study/Corrective Action Plan to address the residual contamination beneath your site. The FS/CAP must include a concise background of soil and groundwater investigations performed in connection with this case and an assessment of the residual impacts of the chemicals of concern (COCs) for the site and the surrounding area where the unauthorized release has migrated or may migrate. The FS/CAP should also include, but not limited to, a detailed description of site lithology, including soil permeability. In addition, please disscuss site cleanup goals and the timeframe required to reach each of these cleanup values, in accordance with the San Francisco Regional Water Quality Control Board Basin Plan including appropriate water quality objectives and ESL guidance for all COCs and for the appropriate groundwater designation. Please note once again that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with San

Francisco Regional Water Quality Control Board Basin Plan. Please propose appropriate cleanup levels and cleanup goals in accordance with 23 CCR Section 2725, 2726, and 2727 in the FS/CAP.

The FS/CAP must evaluate at least three active remediation alternatives for remedying or mitigating the actual or potential adverse affects of the unauthorized release(s) beside the 'no action' and 'monitored natural attenuation' remedial alternatives. Each alternative shall be evaluated for cost-effectiveness, time frame to reach clean up goals and the Responsible Party must propose the most cost-effective corrective action.

Public participation is a requirement for the Corrective Action Plan (CAP) process. Therefore, upon approval of a CAP, but before implementation, ACEH will notify potentially affected members of the public and concerned citizens who live or own property in the surrounding area of the proposed remediation described in the CAP. Public comments on the proposed remediation will be accepted for a 30-day period. We request that you perform the proposed work and send us the reports described below. Please submit the FS/CAP by the date specified below.

LANDOWNER NOTIFICATION REQUIREMENTS

Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee title holders to the site.

At this time we require that you submit a complete mailing list of all record fee title owners of the site by **October 30, 2008**, which states, at a minimum, the following:

A. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

- OR -

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

In the future, for you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;
3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee titleholders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure.*

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. In accordance with Section 25297.15(a) of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. (Check space for applicable proposed action(s)):
___ cleanup proposal (Corrective Action Plan)
___ request for case closure
___ local agency intention to make a determination that no further action is required
___ local agency intention to issue a closure letter

- OR -

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

TECHNICAL REPORT REQUEST

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

- **January 30, 2009** – Work Plan and Site Conceptual Model
- **90 days after concurrence with SCM and Work Plan** – Feasibility Study/Corrective Action Plan

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the

best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

If you have any questions, please contact me at (510) 383-1761 or send me an electronic mail message at steven.plunkett@acgov.org.

Sincerely,

Steven Plunkett
Hazardous Materials Specialist

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

cc: Charlotte Evans
CRA
5900 Hollis Street, Suite A
Emeryville, CA 95608

Donna Drogos, ACEH Steven Plunkett ACEH, File

ATTACHMENT B

SUMMARY OF PREVIOUS ENVIRONMENTAL WORK

SUMMARY OF PREVIOUS ENVIRONMENTAL HISTORY

A total of one soil boring and seven groundwater monitoring wells have been installed at the site. Reportedly, four borings, GW-2 through GW-5, were hand installed along off-site utility trenches to approximately 5 feet below grade (fbg).

1995 Preliminary Site Assessment: In October 1995, Gettler-Ryan (G-R) performed a preliminary site assessment to identify petroleum hydrocarbon impact to soil and groundwater beneath the site. One soil boring, SB-1, and four monitoring wells, MW-1 through MW-4, were completed. Maximum concentrations of total oil and grease (TOG) at 2,100 milligrams per kilogram (mg/kg), total petroleum hydrocarbons as diesel (TPHd) at 77 mg/kg, and total petroleum hydrocarbons as gasoline (TPHg) at 8.4 mg/kg were detected in soil only from MW-2. Groundwater concentrations were detected only in MW-2 of TPHd at 1,600 micrograms per liter (µg/l), TPHg at 170 µg/l, benzene at 3.5 µg/l, ethyl benzene at 1 µg/l, and xylenes at 6.1 µg/l. MW-2 is immediately downgradient (southwest) of the used oil underground storage tank (UST). Additional information is available in G-R's *Preliminary Site Assessment* dated December 29, 1995.

1997 Site Evaluation: In September 1997, Pacific Environmental Group, Inc. (PEG) submitted an evaluation of the potential impacts of methyl tert-butyl ether (MTBE) in groundwater for the site, including a file review, well survey, utility survey, and a sensitive receptor survey. (MTBE) was present in groundwater at each monitoring well, with the highest concentration at 11,000 µg/l in MW- 4. PEG concluded that water lines were potentially acting as preferential pathways for the migration of MTBE. Additional information is available in PEG's *Site Evaluation for Potential MtBE Impacts* dated September 30, 1997.

1998 Soil Borings: According to Delta's *Monitoring Well Installation and Groundwater Sampling Results – Revised* dated January 25, 2001, PEG advanced hand auger soil borings GW-2 through GW-5 along off-site utility trenches to approximately 5 feet below grade (fbg) in April 1998. Soil samples were not analyzed. Grab groundwater samples collected within the utility trenches did not detect petroleum hydrocarbon constituents. A work plan was submitted in November 1997, but no investigation report of these activities could be located.

1998 UST Removal and Dispenser Sampling: In December 1998, Geo-Logic (G-L) removed a 1,000-gallon used oil UST. Free product was noted in the groundwater during the removal. A soil sample taken from the eastern side wall had TOG concentrations at 240 mg/kg. Four soil samples collected by hand underneath the gasoline dispensers had maximum concentrations of 3,800 mg/kg TPHg, 200 mg/kg benzene, 93 mg/kg toluene, 310 mg/kg ethyl-benzene, and 290 mg/kg xylenes at 2 fbg. MTBE was not detected in any of the soil samples. Additional

information is available in G-L's *Report of Soil Sampling below Waste Oil Tank and Fuel Dispensers* dated December 23, 1998.

2000 Monitoring Well Installation: In October 2000, Delta Environmental Consultants, Inc. (Delta) installed three monitoring wells MW-5, MW-6 and MW-7. MTBE was detected at maximum concentration of 0.172 mg/kg MTBE in MW-7 at 9 fbg. Only MTBE was detected in groundwater from the monitoring wells with a maximum concentration of 1,210 µg/l. Additional information is available in Delta's *Monitoring Well Installation and Groundwater Sampling Results – Revised* dated January 25, 2001.

2001 – 2005 Groundwater Overpurging: Periodic groundwater overpurging events were conducted from May 2001 through October 2005. Delta conducted eight overpurging events from May 3, 2001 to October31, 2002. From May 20, 2003 to October 13, 2005, Cambria Environmental Technology, Inc. (Cambria) conducted five overpurging events. In November 2005 Cambria ceased the overpurge events based on diminishing concentrations of MTBE and TPHg over the course of the over-purging events. Additional information is available in Cambria's *Interim Corrective Action Overpurge Results* dated November 7, 2005.

ATTACHMENT C

CHEVRON ETC PROJECT SUMMARY

CHEVRON ENERGY TECHNOLOGY COMPANY
INTEGRATED LABORATORY TECHNOLOGIES
PROJECT SUMMARY

Project No	2008.0072	**Requested by**	A.Costa
Date Initiated	8/13/08	**Location**	CEMC
Date Completed	9/15/08		6111 Bollinger Cyn Rd
CRTC Charge Code	YWETS1560268		San Ramon, CA 94583
		Phone	(925) 543-2961

Project Description:
Analyze one hydrocarbon/water sample from a Chevron Service Station facility #9-1851 located on 451 Hegenberger Drive, Oakland, CA. The sample is labeled MW-2-W-ID. Identify the hydrocarbon types present.

Results:
The hydrocarbon/water sample contains a mixture of gasoline, diesel fuel #2 and lube oil. The gasoline fraction contains olefins, mono-aromatic (BTEX) compounds, "iso-octane" and other gasoline constituents. It is present in a low concentration, approximately 0.7 % (measured as the C_{10}- area percent.). The toluene peak is very prominent as it is readily water soluble. The diesel fuel #2 fraction has been moderately weathered through water washing and biodegradation with branched paraffins remaining with approximately 6% (measured as the C11 to C20 area percent). There is used lube oil or grease or weathered crude oil with absence of n-paraffins. See table below for carbon number distribution.

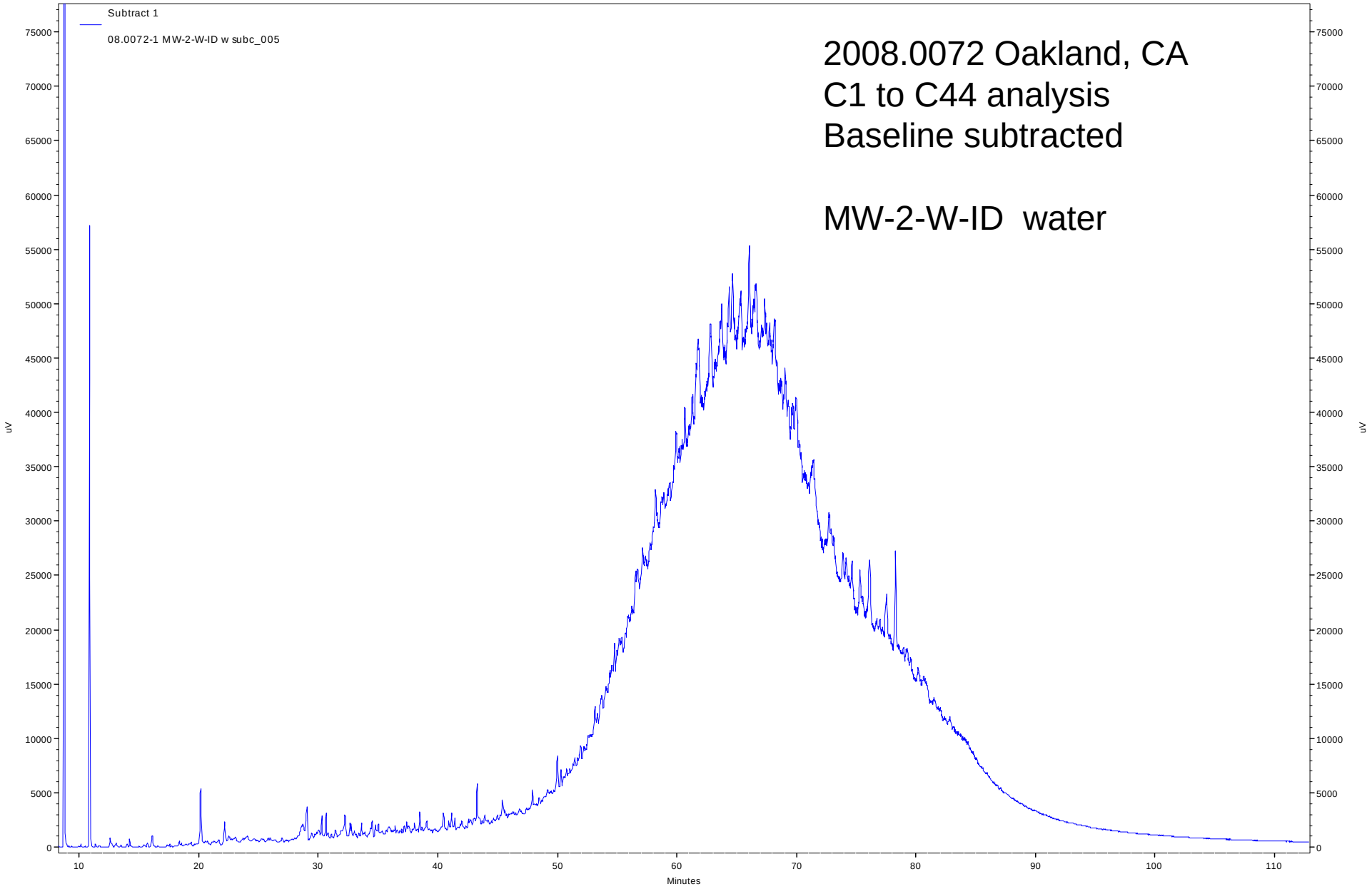
approximate hydrocarbon concentration in water, ug/L	C6- (area %)	C7-C10 (area %)	C11-C14 (area %)	C15-C20 (area %)	C21-C45+ (area %)
304,700	0.0	0.7	1.9	5.4	92.7

Analytical Approach:
The samples were extracted and analyzed by gas chromatography using a flame ionization detector to determine the hydrocarbon composition.

Analyzed by: L.Nguyen
Reported by: G. C. Chen GCC
Reviewed by: M. E. Moir MEM

ACosta CEvans
AWVerstuyft MEMoir
GCChen

Technical files
ECTfile


Subtract 1
08.0072-1 MW-2-W-ID w subc_005
2008.0072 Oakland, CA
C1 to C44 analysis
Baseline subtracted
MW-2-W-ID water
uV
Minutes
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
50000
55000
60000
65000
70000
75000
10
20
30
40
50
60
70
80
90
100
110

Request for Environmental Analysis and Chain of Custody

To: Environmental Analysis Lab, Room 51-1151, Chevron Energy Technology Co., 100 Chevron Way, Richmond, CA 94802 Contact: Grace Chen 510-242-5918 or Michael Moir 510-242-1634		Date 8/13/2008
Chevron PM AARON COSTA		Phone (925) 543-2961
Company, Department CHEVRON EMC	EMC Bus. Unit, if applicable	Charge Code
Address 6111 BOLLINGER CANYON ROAD, BR-Y 3660, SAN RAMON, CA 94583		
Contract PM CHARLOTTE EVANS	E-mail cevans@craworld.com	Phone (510) 420-3351
Company, Address CRA, 5900 HOLLIS ST., SUITE A, EMERYVILLE, CA 94608		
Sampling Location (Address) 451 HEGENBERGER DRIVE, OAKLAND		Facility Number 9-1851

(X) Service Station ( ) Fuel Terminal ( ) Marine Terminal ( ) Pipeline ( ) Refinery
( ) Other

(X) Chevron ( ) Texaco ( ) Gulf ( ) BP ( ) Cumberland Farms
( ) Other

Type of Analysis Desired
(X) Identify Product ( ) Compare Spill with Potential Sources (Send Source Samples)
( ) Compare Samples with Previous Analyses. Log Numbers and/or Dates:
( ) Other (Call 510-242-5918 or 510-242-1634 for Approval)

Reason for Request (Clearly State Problem, Site History, Draw or Enclose a Map, Indicate Whether Leak or Spill)
Unknown substance in well. Separate phase hydrocarbons identified in well but TPHg was not detected in the well. When analyzed for diesel, diesel was detected in the well. Separate phase hydrocarbons were described as black and oily.

Normal turn-around time is 4 weeks. Call 510-242-1634 to negotiate alternate arrangements.

Number of Containers Per Sample	Sample Name/Description	Date Sampled	Sampled By
2 (1L)	MW-2-W-ID	8/13/08	IH

Transporter (JAN HULL)	Date Received	Initials
Laboratory **Chevron Energy Technology Company**	Date Received 8/13/08	Initials

It is the shipper's responsibility to ensure Federal DOT regulations and UN performance standards are complied with. When in doubt, assume the sample is flammable
6/07/04

Guidelines for shipping samples to ETC for Environmental Analysis

ATTACHMENT D

TREND GRAPHS FROM MONITORING WELLS

ATTACHMENT E

CRA'S THIRD QUARTER 2008 GROUNDWATER MONITORING REPORT

ATTACHMENT F

STANDARD FIELD PROCEDURES FOR SOIL BORINGS

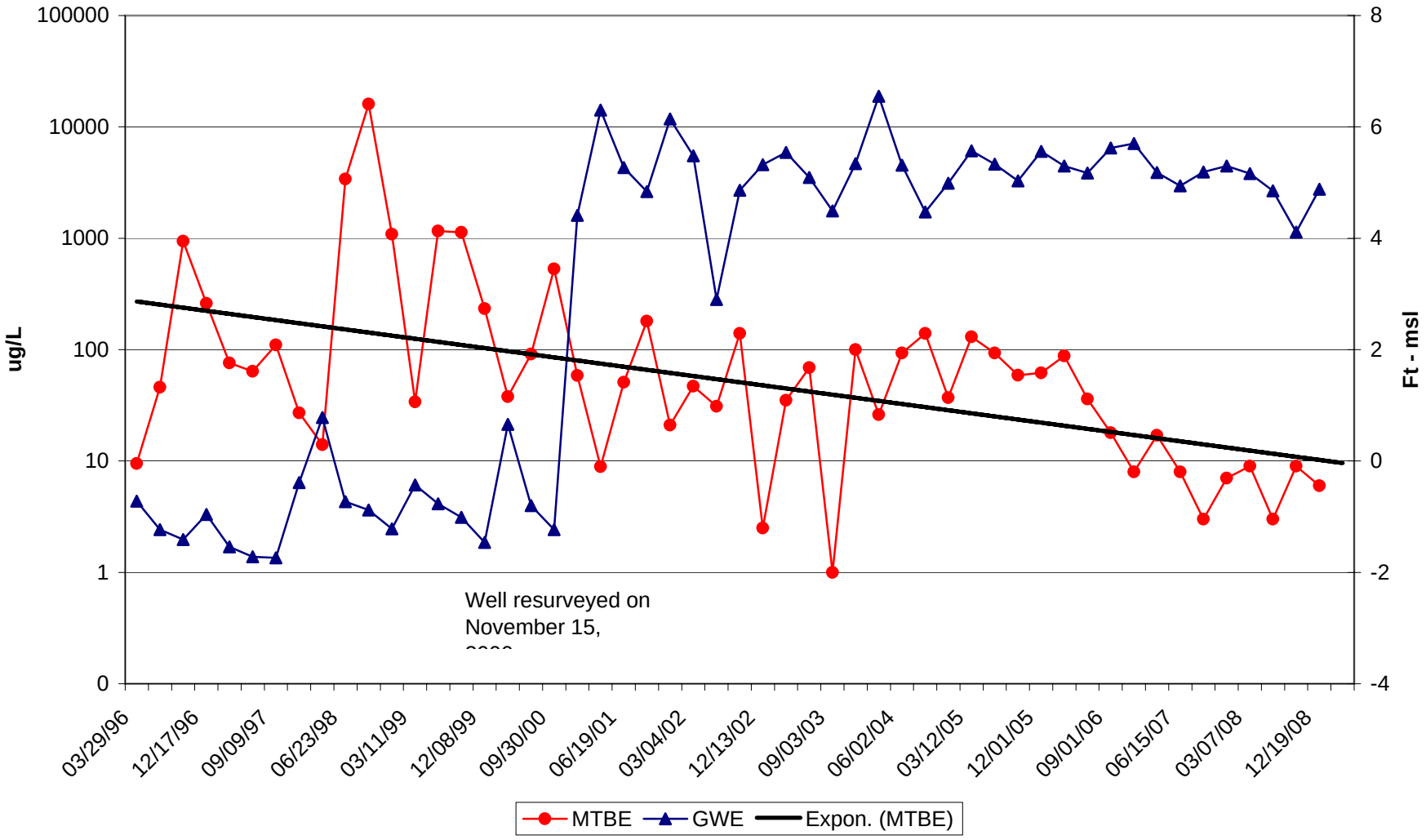
ATTACHMENT D

TREND GRAPHS FROM MONITORING

MTBE versus Time MW-1

Chevron Site# 9-1851

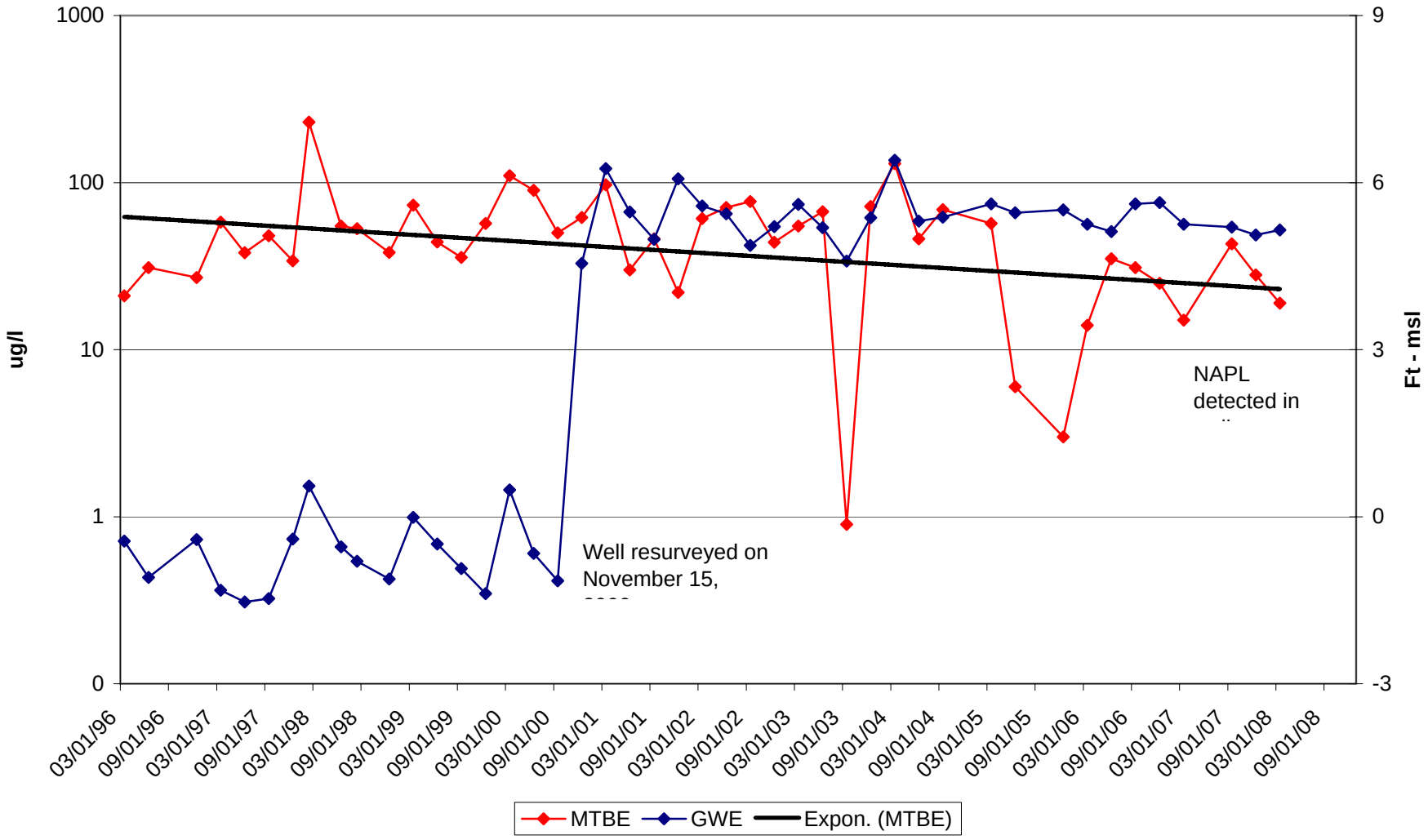
451 Hegenberger Drive, Oakland CA



MTBE versus Time MW-2

Chevron Site# 9-1851

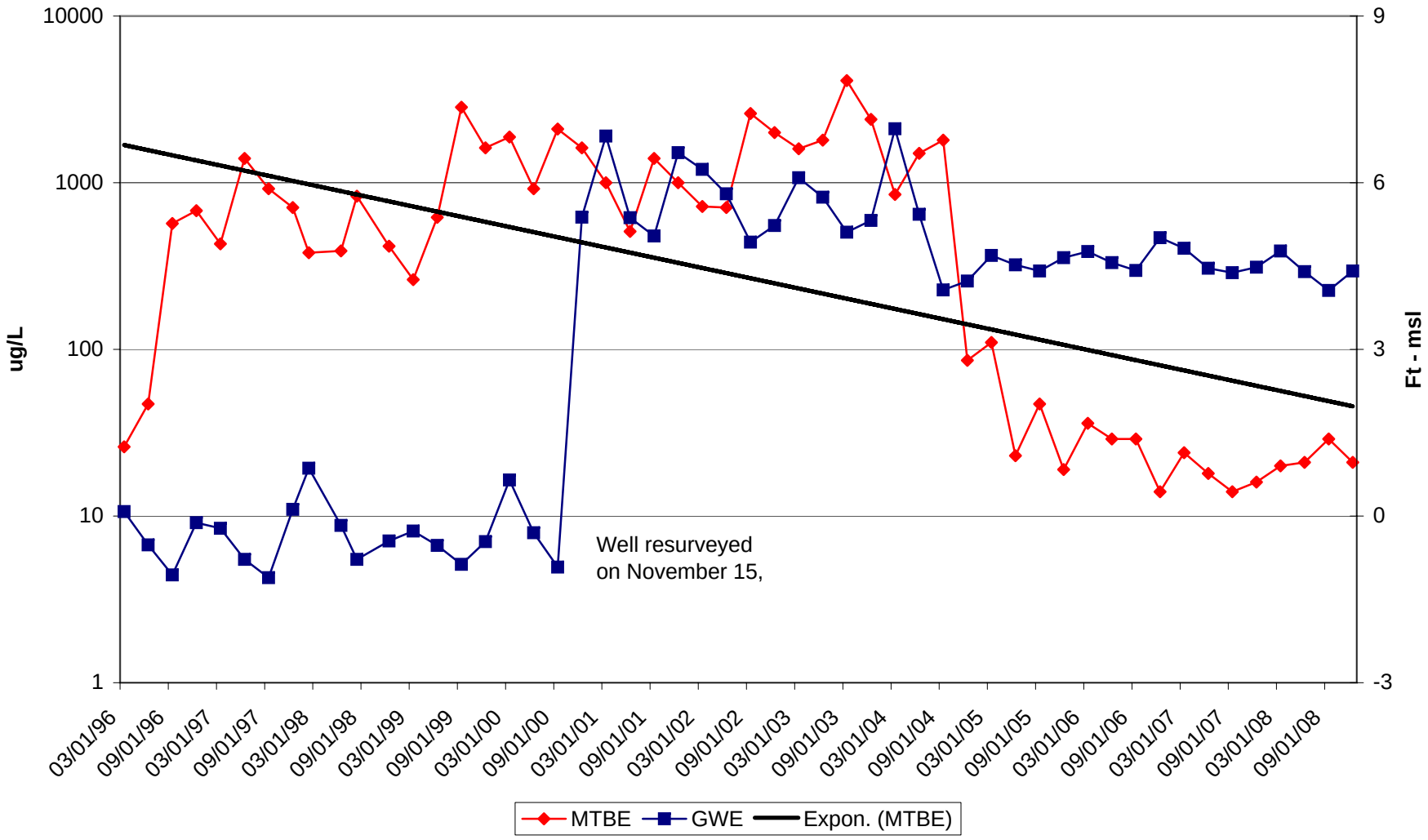
451 Hegenberger Drive, Oakland CA



MTBE versus Time MW-3

Chevron Site# 9-1851

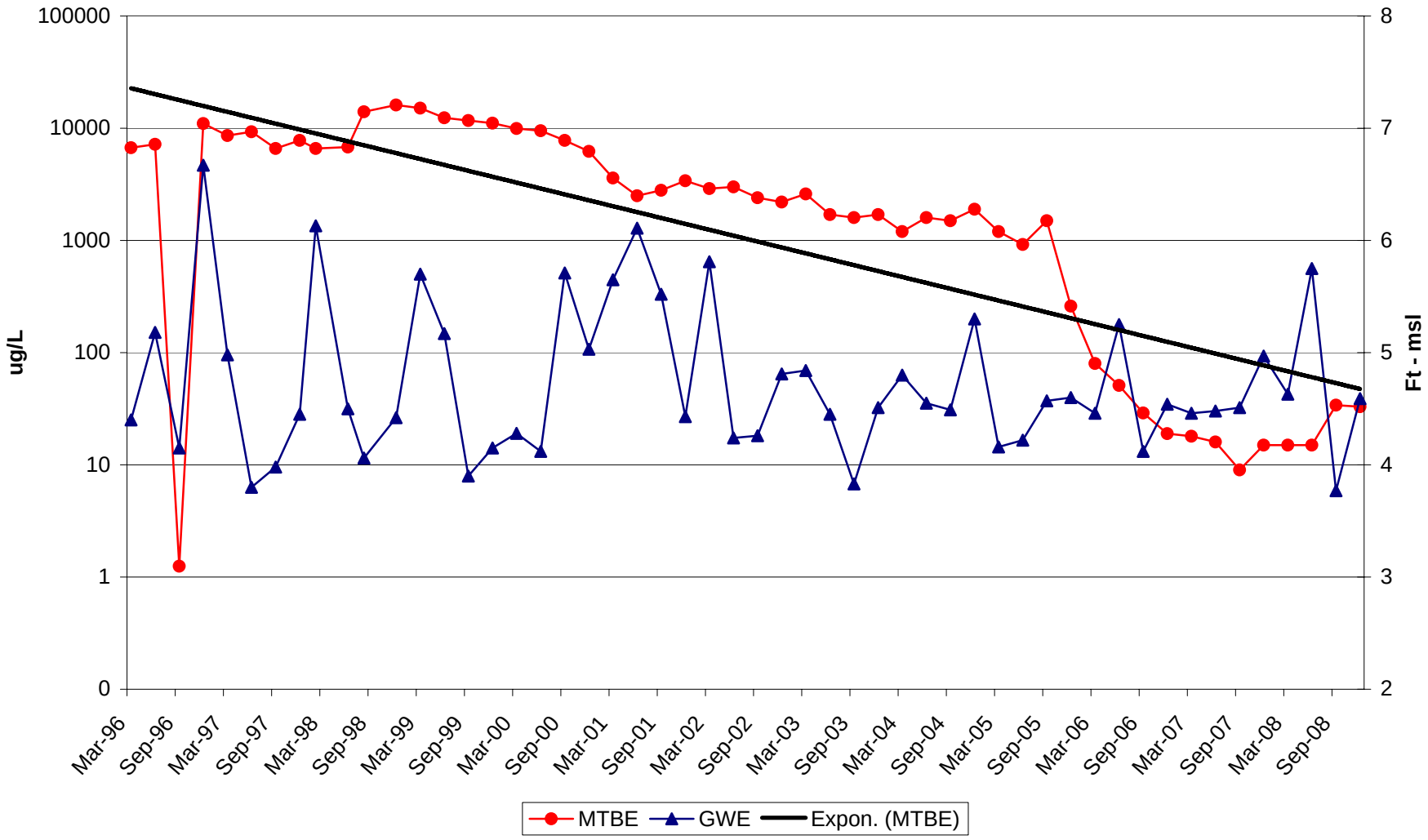
451 Hegenberger Drive, Oakland CA



MTBE versus Time MW-4

Chevron Site# 9-1851

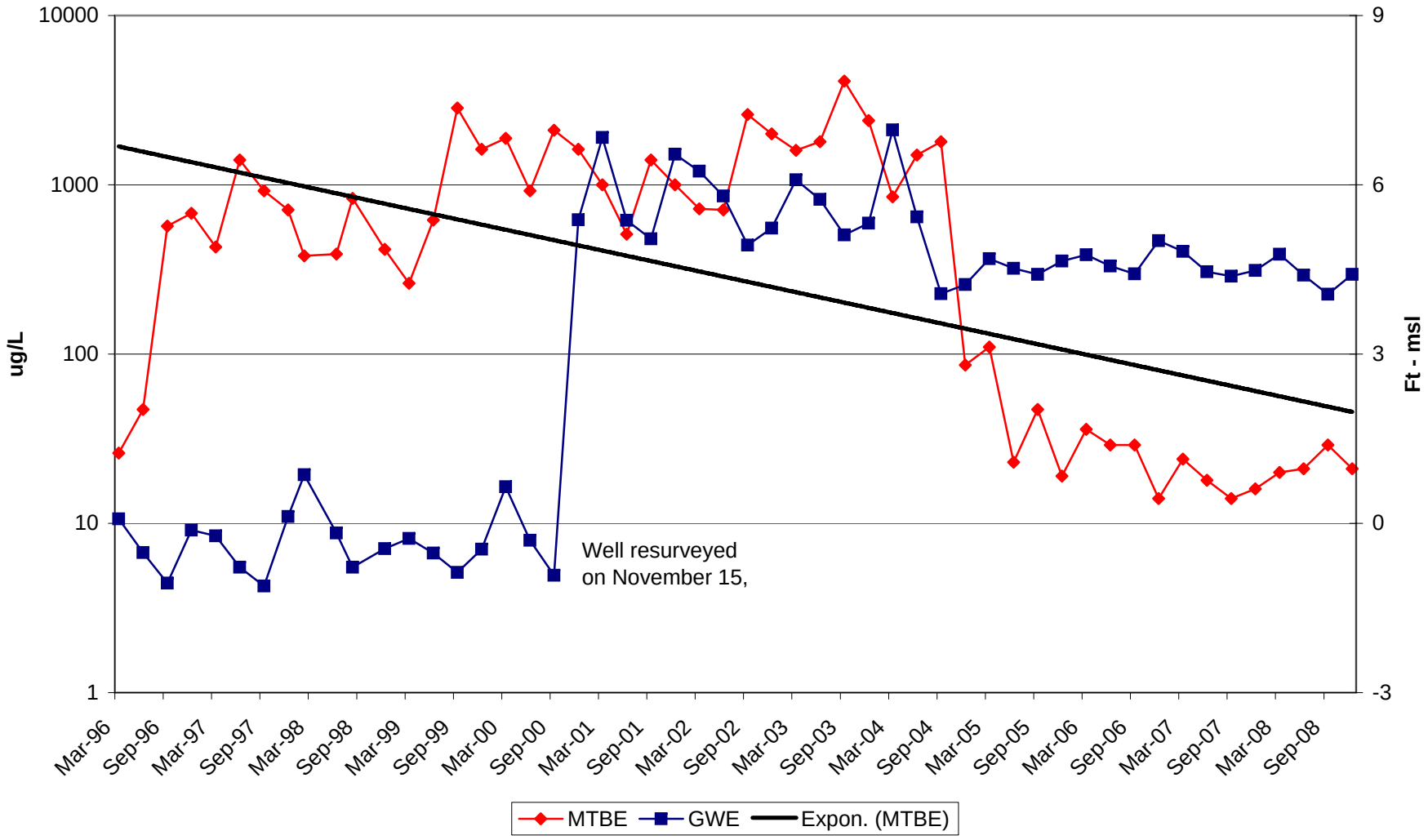
451 Hegenberger Drive, Oakland CA



MTBE versus Time MW-5

Chevron Site# 9-1851

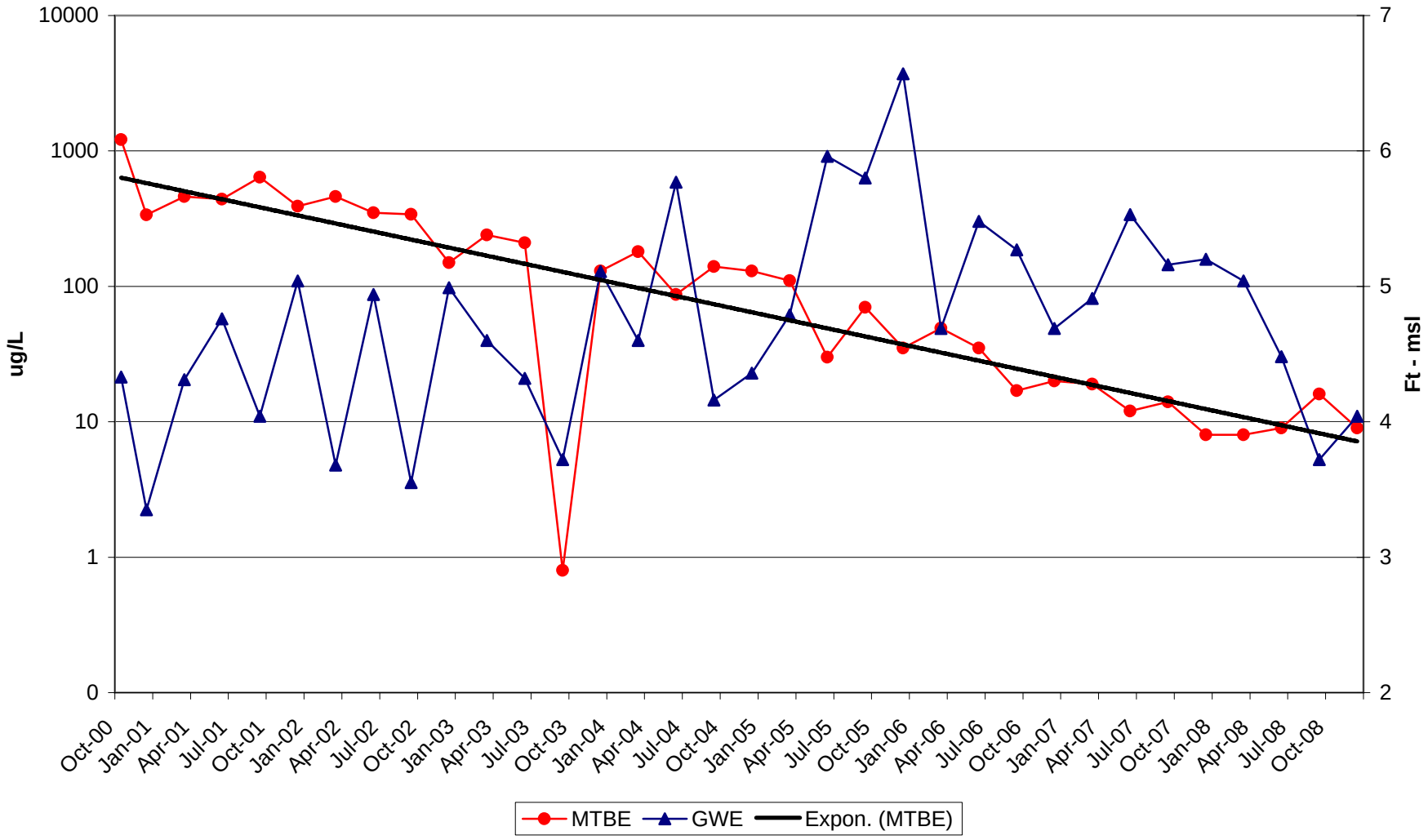
451 Hegenberger Drive, Oakland CA



MTBE versus Time MW-7

Chevron Site# 9-1851

451 Hegenberger Drive, Oakland CA



ATTACHMENT E

CRA'S THIRD QUARTER 2008 GROUNDWATER MONITORING REPORT

CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A, Emeryville, Calfornia 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

November 14, 2008 Reference No. 311976

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

Re: Third Quarter 2008 Groundwater Monitoring Report
Chevron Service Station 9-1851
451 Hegenberger Road
Oakland, California
Fuel Leak Case No. RO0000464

Dear Mr. Plunkett:

Conestoga-Rovers & Associates is submitting the attached *Groundwater Monitoring and Sampling Report* for the site referenced above on behalf of Chevron Environmental Management Company (Chevron). The report prepared by Gettler-Ryan Inc. (G-R) and dated October 27, 2008, presents the results of the Third Quarter 2008 sampling and monitoring event. Also attached are Figure 1 (Vicinity Map) and Figure 2 (Concentration Map) presenting the third quarter 2008 analytical results and groundwater flow direction data. A perjury letter from Chevron and Professional Geologist stamp are included within the G-R report.

Please contact Charlotte Evans at (510) 420-3351 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charlotte Evans

CE/doh/1
Enc.

cc: Mr. Aaron Costa, Chevron Environmental Management Company

FIGURES

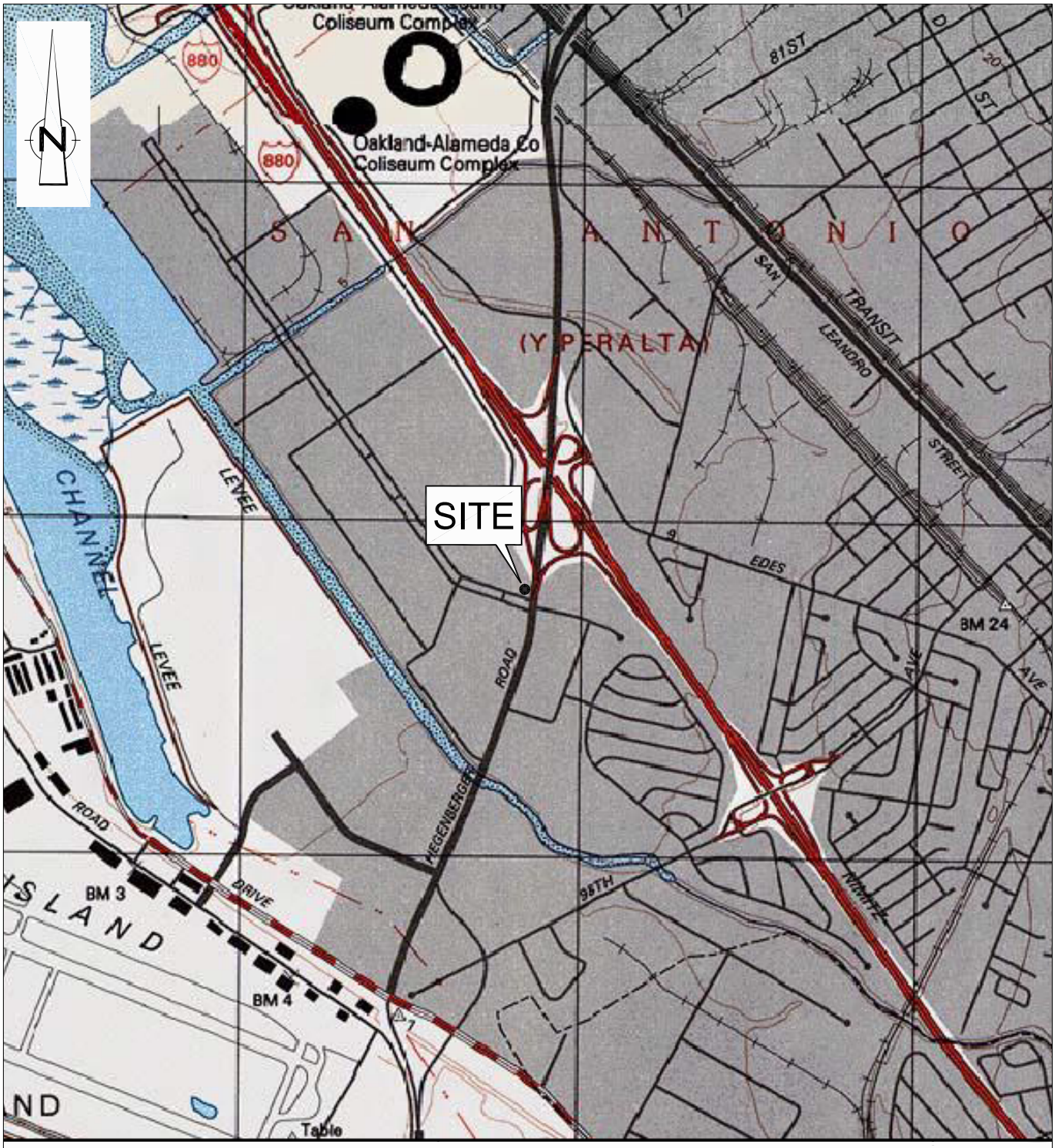


figure 1

VICINITY MAP
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD
Oakland, California

311976-2008(PRES001)GN-EM001

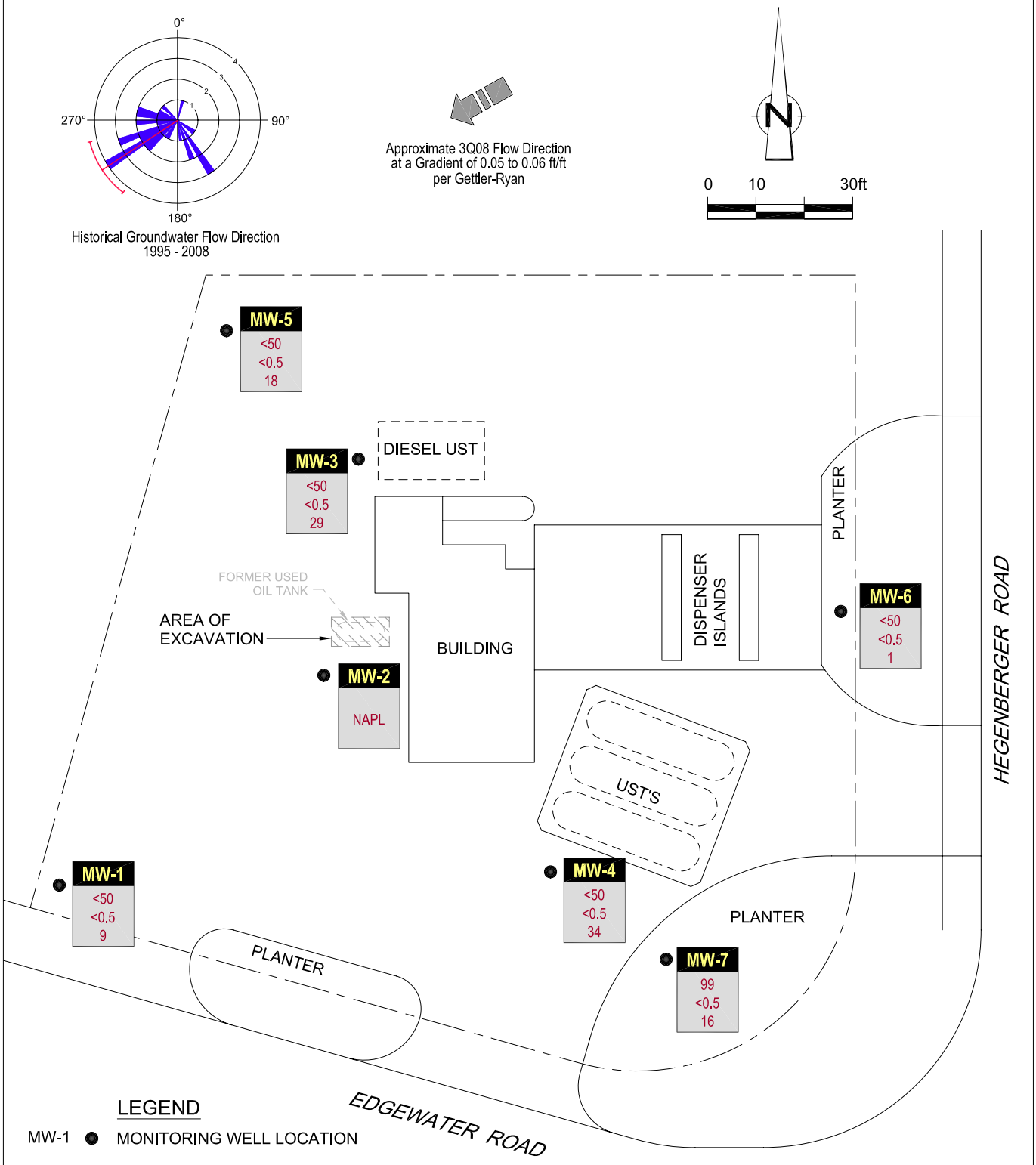


figure 2

HYDROCARBON CONCENTRATIONS IN GROUNDWATER
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD
Oakland, California

G-R Third Quarter, 2008 Quarterly Monitoring Report
October 27, 2008

GETTLER-RYAN INC.

TRANSMITTAL

October 27, 2008
G-R #385145

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

CC: Mr. Aaron Costa
Chevron EMC
6111 Bollinger Canyon Road,
Room 3660
San Ramon, California 94583
(VIA PDF)

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

RE: Chevron Service Station
#9-1851
451 Hegenberger Road
Oakland, California
RO 0000464

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	October 17, 2008	Groundwater Monitoring and Sampling Report **Third Quarter Event of September 11, 2008**

COMMENTS:

Pursuant to your request, we are providing you with a copy of the above referenced report for **your use and distribution to the following (via PDF):**

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 ***November 10, 2008***, at which time this final report will be distributed to the following:

cc: Mr. Ben Shimek, (Owner), 31 Industrial Way, Greenbrae, CA 94904

Enclosures

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

Chevron

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

October 27, 2008

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

Re: Chevron Service Station No. 9-1851
Address 451 Hegenberger Rd.

I have reviewed the attached routine groundwater monitoring report dated October 27, 2008.

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 #: Chevron #9-1851
Site Address: 451 Hegenberger Road
City: Oakland, CA

Job # 385145
Event Date: 9-11-08
Sampler: AW

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y / N	REPLACE CAP Y / N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
mw-1	See Comment	OK	1M	2S	OK	→	→	N	N	Boart Longyr / 8" / 3	
mw-2	OK	→	→	→	→	→	→	N	N	Emco / 8" / 2	
mw-3	OK	→	→	2S	OK	→	→	N	N	Morrison / 7" / 2	
mw-4	OK	→	→	→	→	→	→	N	N	Emco / 8" / 2	
mw-5	OK	→	→	→	→	→	→	N	N	Emco / 8" / 2	
mw-6	OK	→	→	→	→	→	→	N	N	Emco / 8" / 2	
mw-7	OK	→	→	→	→	→	→	N	N	Emco / 8" / 2	

Comments: mw-1 - Lid broken in 3 pieces

GETTLER-RYAN INC.

October 17, 2008
G-R Job #385145

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

RE: Third Quarter Event of September 11, 2008
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

Dear Mr. Costa:

This report documents 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).

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 the laboratory analytical reports 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.

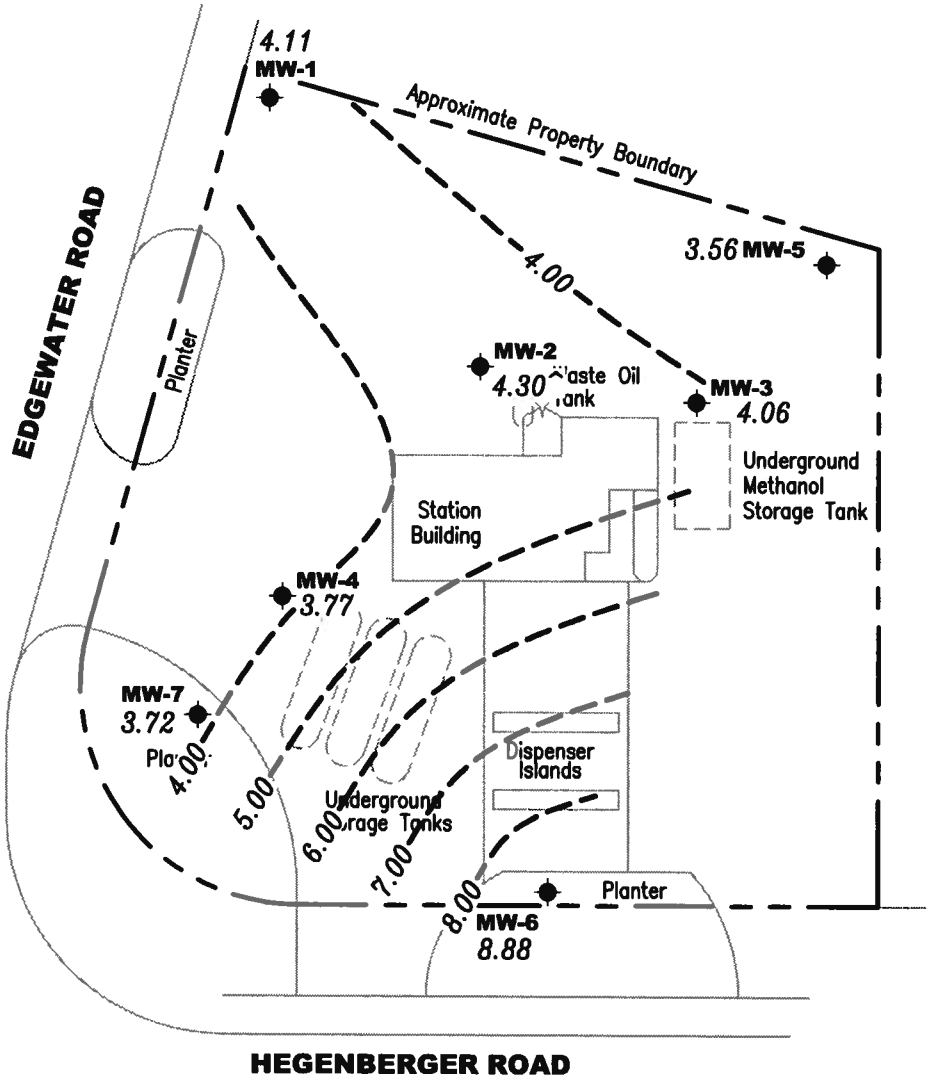
Sincerely,

Deanna L. Harding
Project Coordinator

PROFESSIONAL GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

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

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 — Groundwater elevation contour, dashed where inferred
- ^ — Groundwater elevation corrected for the presence of separate-phase hydrocarbons

Approximate groundwater flow direction at a gradient of 0.05 to 0.06 Ft./Ft.

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by RRM engineering contracting firm.

GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
385145		September 11, 2008	

FILE NAME: P:\Enviro\Chevron\9-1851\Q08-9-1851.DWG | Layout Tab: Pat3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1												
10/17/95	2.61	-1.51	4.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/96	2.61	-0.72	3.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9.5
06/26/96	2.61	-1.23	3.84	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	46
09/25/96	2.61	-1.41	4.02	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	940
12/17/96	2.61	-0.96	3.57	0.00	0.00	--	<50	0.9	<0.5	<0.5	<0.5	260
03/20/97	2.61	-1.54	4.15	0.00	0.00	--	<50	<2.0	<2.0	<2.0	<2.0	76
06/20/97	2.61	-1.72	4.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	64
09/09/97	2.61	-1.74	4.35	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	110
12/12/97	2.61	-0.39	3.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	27
02/19/98	2.61	0.78	1.83	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
06/23/98	2.61	-0.73	3.34	0.00	0.00	--	210	<0.5	<0.5	<0.5	<0.5	3,400
08/31/98	2.61	-0.88	3.49	0.00	0.00	--	1,400	630	<5.0	<5.0	<5.0	16,000
12/29/98	2.61	-1.22	3.83	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	1,090
03/11/99	2.61	-0.43	3.04	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	33.9
06/24/99	2.61	-0.77	3.38	0.00	0.00	--	<500	65.7	<5.0	<5.0	<5.0	1,160
09/29/99	2.61	-1.01	3.62	0.00	0.00	--	81.7	<0.5	<0.5	<0.5	<0.5	1,130
12/08/99	2.61	-1.46	4.07	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	233
03/01/00	2.61	0.66	1.95	0.00	0.00	--	100	<0.5	<0.5	<0.5	<0.5	37.9
06/19/00	2.61	-0.80	3.41	0.00	0.00	--	<50	3.8	<0.50	<0.50	<0.50	88/91[2]
09/30/00	2.61	-1.23	3.84	0.00	0.00	--	<130	<1.3	<1.3	<1.3	<1.3	460/530[2]
10/05/00	2.61	-1.32	3.93	0.00	0.00	--	--	--	--	--	--	--
12/08/00	8.61	4.41	4.20	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	58.7
03/03/01[11]	8.61	6.30	2.31	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	8.9
06/19/01	8.61	5.27	3.34	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	51
09/05/01	8.61	4.84	3.77	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	180
12/10/01	8.61	6.14	2.47	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	21
03/04/02	8.61	5.48	3.13	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	47
06/03/02	8.61	2.90	5.71	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	31
09/14/02	8.61	4.86	3.75	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	140
12/13/02	8.61	5.32	3.29	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	8.61	5.54	3.07	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	35
06/09/03[13]	8.61	5.09	3.52	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	69
09/03/03[13]	8.61	4.49	4.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
12/01/03[13]	8.61	5.34	3.27	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	100
03/01/04[13]	8.61	6.55	2.06	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
06/02/04[13]	8.61	5.31	3.30	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	93

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1 (cont)												
09/03/04[13]	8.61	4.47	4.14	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	140
12/20/04[13]	8.61	4.99	3.62	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	37
03/12/05[13]	8.61	5.57	3.04	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	130
06/28/05[13]	8.61	5.33	3.28	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	93
09/01/05[13]	8.61	5.03	3.58	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	59
12/01/05[13]	8.61	5.56	3.05	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	62
03/04/06[13]	8.61	5.30	3.31	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	88
06/01/06[13]	8.61	5.17	3.44	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	36
09/01/06[13]	8.61	5.62	2.99	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
12/15/06[13]	8.61	5.70	2.91	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	8
03/15/07[13]	8.61	5.18	3.43	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	17
06/15/07[13]	8.61	4.94	3.67	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	8
09/06/07[13]	8.61	5.19	3.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3
12/07/07[13]	8.61	5.30	3.31	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	7
03/07/08[13]	8.61	5.16	3.45	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9
06/24/08[13]	8.61	4.85	3.76	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3
09/11/08[13]	**8.61**	**4.11**	**4.50**	**0.00**	**0.00**	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**9**
MW-2												
10/17/95[3]	3.51	-1.82	5.33	0.00	0.00	1,600[4]	170	3.5	<0.5	1.0	6.1	--
03/29/96	3.51	-0.44	3.95	0.00	0.00	3,000[4]	89	4.7	<0.5	0.64	0.74	21
06/26/96	3.51	-1.09	4.60	0.00	0.00	2,000[4]	80	8.7	<0.5	1.2	1.3	31
09/25/96	3.51	INACCESSIBLE		--	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	0.00	0.00	2,400[4]	110	<0.5	<0.5	0.75	2.1	27
03/20/97	3.51	-1.32	4.83	0.00	0.00	3,400[4]	140	8.2	<2.0	<2.0	<2.0	58
06/20/97	3.51	-1.53	5.04	0.00	0.00	1,600[4]	62	7.7	<0.5	<0.5	<0.5	38
09/09/97	3.51	-1.47	4.98	0.00	0.00	82[4]	190	9.4	<0.5	<0.5	0.86	48
12/12/97	3.51	-0.40	3.91	0.00	0.00	8,500[4]	180	1.8	<0.5	<0.5	3.2	34
02/19/98	3.51	0.55	2.96	0.00	0.00	3,800[4]	<100	1.8	<1.0	<1.0	<1.0	230
06/23/98	3.51	-0.54	4.05	0.00	0.00	--	60	<0.5	<0.5	<0.5	<0.5	55
08/31/98	3.51	-0.80	4.31	0.00	0.00	--	61	2.2	<0.5	<0.5	1.1	53
12/29/98	3.51	-1.12	4.63	0.00	0.00	--	54	1.3	<0.5	<0.5	0.752	38.1
03/11/99	3.51	-0.01	3.52	0.00	0.00	--	648	2.9	<2.0	<2.0	<2.0	73.2
06/24/99	3.51	-0.49	4.00	0.00	0.00	--	264	.58	<0.5	1.01	<0.5	44.1
09/29/99	3.51	-0.93	4.44	0.00	0.00	--	54.3	.66	<0.5	<0.5	<0.5	35.7
12/08/99	3.51	-1.38	4.89	0.00	0.00	--	<50	1.27	<0.5	<0.5	<0.5	56.9

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-2 (cont)												
03/01/00	3.51	0.48	3.03	0.00	0.00	--	68	1.57	<0.5	<0.5	<0.5	110
06/19/00	3.51	-0.66	4.17	0.00	0.00	--	58[1]	1.5	<0.50	<0.50	<0.50	90/59[2]
09/30/00	3.51	-1.15	4.66	0.00	0.00	--	<50	<0.50	0.82	<0.50	1.1	48/50[2]
10/05/00[8,9]	3.51	-1.20	4.71	0.00	0.00	4,000[7]	--	--	--	--	--	--
12/08/00	9.52	4.55	4.97	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	61.8
03/03/01[11]	9.52	6.25	3.27	0.00	0.00	--	310[12]	0.60	<0.50	<0.50	1.3	97
06/19/01	9.52	5.47	4.05	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	30
09/05/01	9.52	4.98	4.54	0.00	0.00	--	<50	<0.50	1.2	<0.50	<1.5	46
12/10/01	9.52	6.07	3.45	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	22
03/04/02	9.52	5.58	3.94	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	61
06/03/02	9.52	5.44	4.08	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	71
09/14/02	9.52	4.87	4.65	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	77
12/13/02	9.52	5.21	4.31	0.00	0.00	--	53	<0.50	<0.50	<0.50	<1.5	44
03/14/03	9.52	5.61	3.91	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	55
06/09/03[13]	9.52	5.19	4.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	67
09/03/03[13]	9.52	4.59	4.93	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.9
12/01/03[13]	9.52	5.37	4.15	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	72
03/01/04[13]	9.52	6.40	3.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	130
06/02/04[13]	9.52	5.31	4.21	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	46
09/03/04[13]	9.52	5.38	4.14	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	69
12/20/04	9.52	4.96**	4.60	0.05	0.01[14]	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
03/12/05[13]	9.52	5.62	3.90	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	57
06/28/05[13]	9.52	5.46	4.06	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	6
09/01/05	9.52	5.03**	4.52	0.04	1.10[14]	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
12/01/05[13]	9.52	5.51	4.01	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3
03/04/06[13]	9.52	5.25	4.27	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
06/01/06[13]	9.52	5.12	4.40	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	35
09/01/06[13]	9.52	5.62	3.90	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	31
12/15/06[13]	9.52	5.64	3.88	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	25
03/15/07[13]	9.52	5.25	4.27	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	15
06/15/07[16]	9.52	5.03**	4.49	0.00	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
09/06/07[13]	9.52	5.20	4.32	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	43
12/07/07[13]	9.52	5.06	4.46	0.00	0.00	--	<250[17]	<0.5	<0.5	<0.5	<0.5	28
03/07/08[13]	9.52	5.15**	4.38	0.01	0.01	--	<50	<0.5	<0.5	<0.5	<0.5	19
06/24/08	9.52	4.88**	5.16	0.65	0.73[14]	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--
09/11/08	**9.52**	**4.30****	**5.50**	**0.35**	**0.13[14]**	**NOT SAMPLED DUE TO THE PRESENCE OF SPH**					--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-3												
10/17/95[5]	3.08	-1.34	4.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/96	3.08	0.08	3.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
06/26/96	3.08	-0.52	3.60	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	47
09/25/96	3.08	-1.06	4.14	0.00	0.00	--	<125	<1.2	<1.2	<1.2	<1.2	570
12/17/96	3.08	-0.12	3.20	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	680
03/20/97	3.08	-0.22	3.30	0.00	0.00	--	<50	<5.7	<5.7	<5.7	<5.7	430
06/20/97	3.08	-0.78	3.86	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	1,400
09/09/97	3.08	-1.11	4.19	0.00	0.00	--	76[4]	22	<0.5	<0.5	<0.5	920
12/12/97	3.08	0.12	2.96	0.00	0.00	--	52	15	<0.5	<0.5	<0.5	710
02/19/98	3.08	0.86	2.22	0.00	0.00	--	<50	6.6	<0.5	<0.5	<0.5	380
06/23/98	3.08	-0.17	3.25	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	390
08/31/98	3.08	-0.78	3.86	0.00	0.00	--	<50	19	<0.5	<0.5	<0.5	830
12/29/98	3.08	-0.45	3.53	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	416
03/11/99	3.08	-0.27	3.35	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	262
06/24/99	3.08	-0.53	3.61	0.00	0.00	--	<50	12.8	<0.5	<0.5	<0.5	620
09/29/99	3.08	-0.87	3.95	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	2,840
12/08/99	3.08	-0.46	3.54	0.00	0.00	--	73.4	<0.5	<0.5	<0.5	<0.5	1,620
03/01/00	3.08	0.65	2.43	0.00	0.00	--	<200	<2.0	<2.0	<2.0	<2.0	1,880
06/19/00	3.08	-0.30	3.38	0.00	0.00	--	<250	20	<2.5	<2.5	<2.5	1,200/920[2]
09/30/00	3.08	-0.92	4.00	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	730/2,100[2]
10/05/00	3.08	-0.94	4.02	0.00	0.00	--	--	--	--	--	--	--
12/08/00	9.08	5.38	3.70	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	1,620
03/03/01[11]	9.08	6.84	2.24	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	1,000
06/19/01	9.08	5.37	3.71	0.00	0.00	--	<120	4.8	<1.2	<1.2	<1.2	510
09/05/01	9.08	5.04	4.04	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	1,400
12/10/01	9.08	6.54	2.54	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	1,000
03/04/02	9.08	6.24	2.84	0.00	0.00	--	120	<0.50	<0.50	<0.50	<1.5	720
06/03/02	9.08	5.80	3.28	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	710
09/14/02	9.08	4.93	4.15	0.00	0.00	--	590	<20	<1.0	<1.0	<3.0	2,600
12/13/02	9.08	5.23	3.85	0.00	0.00	--	430	<0.50	<0.50	<0.50	<1.5	2,000
03/14/03	9.08	6.09	2.99	0.00	0.00	--	310	<0.50	<0.50	<0.50	<1.5	1,600
06/09/03[13]	9.08	5.74	3.34	0.00	0.00	--	330	<0.5	<0.5	<0.5	<0.5	1,800
09/03/03[13]	9.08	5.11	3.97	0.00	0.00	--	720	<3	<3	<3	<3	4,100
12/01/03[13]	9.08	5.32	3.76	0.00	0.00	--	520	<1	<1	<1	<1	2,400
03/01/04[13]	9.08	6.97	2.11	0.00	0.00	--	140	<0.5	<0.5	<0.5	<0.5	850

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-3 (cont)												
06/02/04[13]	9.08	5.43	3.65	0.00	0.00	--	220	<0.5	<0.5	<0.5	<0.5	1,500
09/03/04[13]	9.08	4.07	5.01	0.00	0.00	--	300	<1	<1	<1	<1	1,800
12/20/04[13]	9.08	4.23	4.85	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	86
03/12/05[13]	9.08	4.69	4.39	0.00	0.00	--	<50	0.6	<0.5	<0.5	<0.5	110
06/28/05[13]	9.08	4.52	4.56	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	23
09/01/05[13]	9.08	4.41	4.67	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	47
12/01/05[13]	9.08	4.65	4.43	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	19
03/04/06[13]	9.08	4.76	4.32	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	36
06/01/06[13]	9.08	4.56	4.52	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	29
09/01/06[13]	9.08	4.42	4.66	0.00	0.00	--	75	<0.5	<0.5	<0.5	<0.5	29
12/15/06[13]	9.08	5.01	4.07	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
03/15/07[13]	9.08	4.82	4.26	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	24
06/15/07[13]	9.08	4.46	4.62	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
09/06/07[13]	9.08	4.38	4.70	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
12/07/07[13]	9.08	4.48	4.60	0.00	0.00	--	<250[17]	<0.5	<0.5	<0.5	<0.5	16
03/07/08[13]	9.08	4.77	4.31	0.00	0.00	--	51	<0.5	<0.5	<0.5	<0.5	20
06/24/08[13]	9.08	4.40	4.68	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	21
09/11/08[13]	**9.08**	**4.06**	**5.02**	**0.00**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**29**
MW-4												
10/17/95	3.48	-1.60	5.08	0.00	0.00	--	<125	<1.2	<1.2	<1.2	<1.2	--
03/29/96	3.48	-1.13	4.61	0.00	0.00	--	<1,000	<10	<10	<10	<10	6,700
06/26/96	3.48	-0.82	4.30	0.00	0.00	--	<2,000	<20	<20	<20	<20	7,200
09/25/96	3.48	-1.85	5.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	3.48	0.67	2.81	0.00	0.00	--	<2,000	120	<20	<20	<20	11,000
03/20/97	3.48	-1.02	4.50	0.00	0.00	--	250[4]	<2.0	<2.0	<2.0	<2.0	10,000/8,600[6]
06/20/97	3.48	-2.20	5.68	0.00	0.00	--	<2,500	<25	<25	<25	<25	9,300
09/09/97	3.48	-2.02	5.50	0.00	0.00	--	460[4]	<0.5	<0.5	<0.5	<0.5	6,600
12/12/97	3.48	-1.55	5.03	0.00	0.00	--	430[4]	120	<2.5	<2.5	<2.5	7,800
02/19/98	3.48	0.13	3.35	0.00	0.00	--	510[4]	130	<0.5	<0.5	<0.5	6,600
06/23/98	3.48	-1.50	4.98	0.00	0.00	--	550[4]	<0.5	<0.5	<0.5	<0.5	6,800
08/31/98	3.48	-1.94	5.42	0.00	0.00	--	<500	450	<5.0	<5.0	<5.0	14,000
12/29/98	3.48	-1.58	5.06	0.00	0.00	--	<5,000	<50	<50	<50	<50	16,100
03/11/99	3.48	-0.30	3.78	0.00	0.00	--	979	<5.0	<5.0	<5.0	<5.0	15,100
06/24/99	3.48	-0.83	4.31	0.00	0.00	--	<2,500	715	<25	<25	<25	12,400
09/29/99	3.48	-2.10	5.58	0.00	0.00	--	1,380	<5.0	<5.0	<5.0	<5.0	11,700

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-4 (cont)												
12/08/99	3.48	-1.85	5.33	0.00	0.00	--	318	<0.5	<0.5	<0.5	<0.5	11,100
03/01/00	3.48	-1.72	5.20	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9,940
06/19/00	3.48	-1.88	5.36	0.00	0.00	--	<1,000	220	<10	<10	<10	7,300/9,500[2]
09/30/00	3.48	-0.29	3.77	0.00	0.00	--	740[1]	<2.5	<2.5	<2.5	<2.5	6,000/7,800[2]
10/05/00	3.48	-0.38	3.86	0.00	0.00	--	--	--	--	--	--	--
12/08/00	9.48	5.03	4.45	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	6,230
03/03/01[11]	9.48	5.65	3.83	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	3,600
06/19/01	9.48	6.11	3.37	0.00	0.00	--	<500	140	<5.0	<5.0	<5.0	2,500
09/05/01	9.48	5.52	3.96	0.00	0.00	--	400	<0.50	<0.50	<0.50	<1.5	2,800
12/10/01	9.48	4.43	5.05	0.00	0.00	--	700	<0.50	<0.50	<0.50	<1.5	3,400
03/04/02	9.48	5.81	3.67	0.00	0.00	--	660	<0.50	<0.50	<0.50	<1.5	2,900
06/03/02	9.48	4.24	5.24	0.00	0.00	--	610	<0.50	<0.50	<0.50	<1.5	3,000
09/14/02	9.48	4.26	5.22	0.00	0.00	--	490	<10	<1.0	<1.0	<3.0	2,400
12/13/02	9.48	4.81	4.67	0.00	0.00	--	440	<0.50	<0.50	<0.50	<1.5	2,200
03/14/03	9.48	4.84	4.64	0.00	0.00	--	490	<0.50	<0.50	<0.50	<1.5	2,600
06/09/03[13]	9.48	4.45	5.03	0.00	0.00	--	340	<0.5	<0.5	<0.5	<0.5	1,700
09/03/03[13]	9.48	3.83	5.65	0.00	0.00	--	320	<1	<1	<1	<1	1,600
12/01/03[13]	9.48	4.51	4.97	0.00	0.00	--	350	<1	<1	<1	<1	1,700
03/01/04[13]	9.48	4.80	4.68	0.00	0.00	--	240	<0.5	<0.5	<0.5	<0.5	1,200
06/02/04[13]	9.48	4.55	4.93	0.00	0.00	--	240	<0.5	<0.5	<0.5	<0.5	1,600
09/03/04[13]	9.48	4.49	4.99	0.00	0.00	--	270	<1	<1	<1	<1	1,500
12/20/04[13]	9.48	5.30	4.18	0.00	0.00	--	230	<3	<3	<3	<3	1,900
03/12/05[13]	9.48	4.16	5.32	0.00	0.00	--	180	<1	<1	<1	<1	1,200
06/28/05[13]	9.48	4.22	5.26	0.00	0.00	--	180	<0.5	<0.5	<0.5	<0.5	920
09/01/05[13]	9.48	4.57	4.91	0.00	0.00	--	250	<1	<1	<1	<1	1,500
12/01/05[13]	9.48	4.60	4.88	0.00	0.00	--	61	<0.5	<0.5	<0.5	<0.5	260
03/04/06[13]	9.48	4.46	5.02	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	80
06/01/06[13]	9.48	5.25	4.23	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	51
09/01/06[13]	9.48	4.12	5.36	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	29
12/15/06[13]	9.48	4.54	4.94	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	19
03/15/07[13]	9.48	4.46	5.02	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
06/15/07[13]	9.48	4.48	5.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	16
09/06/07[13]	9.48	4.51	4.97	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9
12/07/07[13]	9.48	4.97	4.51	0.00	0.00	--	<250[17]	<0.5	<0.5	<0.5	<0.5	15
03/07/08[13]	9.48	4.63	4.85	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	15
06/24/08[13]	9.48	5.75	3.73	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	15
09/11/08[13]	**9.48**	**3.77**	**5.71**	**0.00**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**34**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-5												
10/23/00[10]	8.77	4.18	4.59	0.00	0.00	--	<50	<0.500	<0.500	<0.500	<0.500	4.34
12/08/00	8.77	5.34	3.43	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	11.0
03/03/01[11]	8.77	6.37	2.40	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	24
06/19/01	8.77	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--
09/05/01	8.77	5.02	3.75	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	31
12/10/01	8.77	5.98	2.79	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	45
03/04/02	8.77	6.25	2.52	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	29
06/03/02	8.77	5.57	3.20	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	40
09/14/02	8.77	4.92	3.85	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	92
12/13/02	8.77	5.32	3.45	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	32
03/14/03	8.77	5.82	2.95	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	71
06/09/03[13]	8.77	5.58	3.19	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	79
09/03/03[13]	8.77	4.98	3.79	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	2
12/01/03[13]	8.77	5.43	3.34	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	52
03/01/04[13]	8.77	6.29	2.48	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	120
06/02/04[13]	8.77	5.66	3.11	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	110
09/03/04[13]	8.77	3.66	5.11	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	80
12/20/04[13]	8.77	3.67	5.10	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	62
03/12/05[13]	8.77	4.06	4.71	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	58
06/28/05[13]	8.77	3.84	4.93	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	64
09/01/05[13]	8.77	3.85	4.92	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	61
12/01/05[13]	8.77	3.96	4.81	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	50
03/04/06[13]	8.77	3.99	4.78	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	49
06/01/06[13]	8.77	3.88	4.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	38
09/01/06[13]	8.77	3.83	4.94	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	32
12/15/06[13]	8.77	4.09	4.68	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
03/15/07[13]	8.77	3.89	4.88	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	23
06/15/07[13]	8.77	3.90	4.87	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	22
09/06/07[13]	8.77	4.00	4.77	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	17
12/07/07[13]	8.77	3.78	4.99	0.00	0.00	--	<250[17]	<0.5	<0.5	<0.5	<0.5	22
03/07/08[13]	8.77	3.88	4.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
06/24/08[13]	8.77	3.65	5.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
09/11/08[13]	**8.77**	**3.56**	**5.21**	**0.00**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**18**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-6												
10/23/00[10]	11.45	4.30	7.15	0.00	0.00	--	<50	<0.500	<0.500	<0.500	<0.500	5.96
12/08/00	11.45	4.61	6.84	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	8.80
03/03/01[11]	11.45	5.32	6.13	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	9.0
06/19/01	11.45	5.65	5.80	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/01	11.45	6.29	5.16	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/10/01	11.45	6.64	4.81	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/04/02	11.45	7.29	4.16	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/03/02	11.45	5.74	5.71	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/14/02	11.45	4.80	6.65	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/13/02	11.45	5.06	6.39	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	11.45	4.98	6.47	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/09/03[13]	11.45	4.67	6.78	0.00	0.00	--	<50	<0.5	0.7	<0.5	<0.5	1
09/03/03[13]	11.45	4.37	7.08	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.8
12/01/03[13]	11.45	7.88	3.57	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/01/04[13]	11.45	8.27	3.18	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	25
06/02/04[13]	11.45	7.95	3.50	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/04[13]	11.45	9.28	2.17	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.6
12/20/04[13]	11.45	5.42	6.03	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.6
03/12/05[13]	11.45	6.40	5.05	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/28/05[13]	11.45	9.09	2.36	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/05[13]	11.45	8.58	2.87	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
12/01/05[13]	11.45	8.55	2.90	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/06[13]	11.45	7.74	3.71	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/01/06[13]	11.45	8.88	2.57	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/06[13]	11.45	9.09	2.36	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
12/15/06[13]	11.45	8.29	3.16	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/15/07[13]	11.45	9.03	2.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/15/07[13]	11.45	8.13	3.32	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/06/07[13]	11.45	6.04	5.41	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.6
12/07/07[13]	11.45	5.51	5.94	0.00	0.00	--	<250[17]	<0.5	<0.5	<0.5	<0.5	1
03/07/08[13]	11.45	5.23	6.22	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/24/08[13]	11.45	8.97	2.48	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/11/08[13]	**11.45**	**8.88**	**2.57**	**0.00**	**0.00**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-7												
10/23/00[10]	10.58	4.33	6.25	0.00	0.00	--	<50	<0.500	<0.500	<0.500	<0.500	1,210
12/08/00	10.58	3.35	7.23	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	338
03/03/01[11]	10.58	4.31	6.27	0.00	0.00	--	72[12]	<0.50	<0.50	<0.50	<0.50	460
06/19/01	10.58	4.76	5.82	0.00	0.00	--	110[1]	18	<0.50	<0.50	<0.50	440
09/05/01	10.58	4.04	6.54	0.00	0.00	--	180	<0.50	<0.50	<0.50	<1.5	640
12/10/01	10.58	5.04	5.54	0.00	0.00	--	110	<0.50	<0.50	<0.50	<1.5	390
03/04/02	10.58	3.68	6.90	0.00	0.00	--	220	1.1	<0.50	3.0	<1.5	460
06/03/02	10.58	4.94	5.64	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	350
09/14/02	10.58	3.55	7.03	0.00	0.00	--	120	<2.0	<0.50	<0.50	<1.5	340
12/13/02	10.58	4.99	5.59	0.00	0.00	--	57	<0.50	<0.50	<0.50	<1.5	150
03/14/03	10.58	4.60	5.98	0.00	0.00	--	77	<0.50	<0.50	<0.50	<1.5	240
06/09/03[13]	10.58	4.32	6.26	0.00	0.00	--	79	<0.5	<0.5	<0.5	<0.5	210
09/03/03[13]	10.58	3.72	6.86	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.8
12/01/03[13]	10.58	5.11	5.47	0.00	0.00	--	58	<0.5	<0.5	<0.5	<0.5	130
03/01/04[13]	10.58	4.60	5.98	0.00	0.00	--	71	<0.5	<0.5	<0.5	<0.5	180
06/02/04[13]	10.58	5.77	4.81	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	87
09/03/04[13]	10.58	4.16	6.42	0.00	0.00	--	55	<0.5	<0.5	<0.5	<0.5	140
12/20/04[13]	10.58	4.36	6.22	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	130
03/12/05[13]	10.58	4.79	5.79	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	110
06/28/05[13]	10.58	5.96	4.62	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	30
09/01/05[13]	10.58	5.80	4.78	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	70
12/01/05[13]	10.58	6.57	4.01	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	35
03/04/06[13]	10.58	4.69	5.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	49
06/01/06[13]	10.58	5.48	5.10	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	35
09/01/06[13]	10.58	5.27	5.31	0.00	0.00	--	<50	0.5	5	<0.5	5	17
12/15/06[13]	10.58	4.69	5.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	20
03/15/07[13]	10.58	4.91	5.67	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	19
06/15/07[13]	10.58	5.53	5.05	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	12
09/06/07[13]	10.58	5.16	5.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
12/07/07[13]	10.58	5.20	5.38	0.00	0.00	--	<250[17]	<0.5	<0.5	<0.5	<0.5	8
03/07/08[13]	10.58	5.04	5.54	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	8
06/24/08[13]	10.58	4.48	6.10	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9
09/11/08[13]	**10.58**	**3.72**	**6.86**	**0.00**	**0.00**	**--**	**99**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**16**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
TRIP BLANK												
10/17/95	--	--	--	--	--	--	--	--	--	--	--	--
03/29/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/26/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/25/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/20/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/20/97	--	--	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--
09/09/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/12/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/29/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
03/11/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/24/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/29/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/08/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/01/00	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/19/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/30/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/05/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/08/00	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
03/03/01[11]	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
06/19/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA												
12/10/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/04/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/03/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/14/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/13/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/09/03[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/03[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/01/03[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/01/04[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA (cont)												
06/02/04[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/04[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/20/04[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/12/05[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/28/05[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/05[13]	--	--	--	--	--	--	<50	<0.5	3[15]	<0.5	2[15]	<0.5
12/01/05[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/06[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/01/06[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/06[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/15/06[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/15/07[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/15/07[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/06/07[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/07/07[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/07/08[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/24/08[13]	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/11/08[13]	--	--	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 19, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
SPHT = Separate Phase Hydrocarbon Thickness
SPH = Separate Phase Hydrocarbons
(msl) = Mean sea level

DTW = Depth to Water
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene

X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
(ppb) = Parts per billion
(µg/L) = Micrograms per liters
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed on November 15, 2000, by Virgil Chavez Land Surveying. The benchmark for the survey was the letter "O" in Oakland on an inlet in the westerly curb of Oakport Road, 150' southerly of the end of curve. (Benchmark Elevation = 7.82 feet, msl).

** GWE was corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.80)].

1 Laboratory report indicates gasoline C6-C12.

2 MTBE by EPA Method 8260.

3 Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane (1,1-DCA) was detected at 1.7 ppb.

4 Chromatogram pattern indicates an unidentified hydrocarbon.

5 Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.

6 Confirmation run.

7 Laboratory report indicates unidentified hydrocarbons >C16.

8 Sample analyzed for Total Metals by EPA 200 Series Methods. All Analytes were less then the reporting limit except for Nickel was detected at 0.067 ppm and Zinc was detected at 0.024ppm.

9 Laboratory report indicates that Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 were all less then the reporting limit except for Bis(2-ethylhexyl)phthalate was detected at 14 ppb, which may be a possible contamination.

10 Data was provided by Delta Environmental Consultants, Inc.

11 Laboratory report indicates sample was analyzed outside the EPA recommended holding time.

12 Laboratory report indicates unidentified hydrocarbons C6-C12.

13 BTEX and MTBE by EPA Method 8260.

14 Product + Water removed.

15 Analytical result confirmed.

16 Probe did not detect SPH but was covered with product; SPH was confirmed with bailer.

17 Laboratory report indicates due to excessive foaming of the sample, normal reporting limits were not attained.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-1						
06/23/98	<50,000	<10,000	4,500	<200	<200	<200
08/31/98	--	--	17,000	--	--	--
03/11/99	--	--	54.1	--	--	--
06/24/99	<10,000	<2,000	1,800	<20	<20	258
06/19/00	<500	<100	91	<2.0	<2.0	11
09/30/00	--	--	530	--	--	--
06/09/03	--	--	69	--	--	--
09/03/03	<50	--	1	--	--	--
12/01/03	<50	--	100	--	--	--
03/01/04	<50	--	26	--	--	--
06/02/04	<50	--	93	--	--	--
09/03/04	<50	--	140	--	--	--
12/20/04	<50	--	37	--	--	--
03/12/05	<50	--	130	--	--	--
06/28/05	<50	--	93	--	--	--
09/01/05	<50	--	59	--	--	--
12/01/05	<50	--	62	--	--	--
03/04/06	<50	--	88	--	--	--
06/01/06	<50	--	36	--	--	--
09/01/06	<50	--	18	--	--	--
12/15/06	<50	--	8	--	--	--
03/15/07	<50	--	17	--	--	--
06/15/07	<50	--	8	--	--	--
09/06/07	<50	--	3	--	--	--
12/07/07	<50	--	7	--	--	--
03/07/08	<50	--	9	--	--	--
06/24/08	**<50**	**--**	**9**	**--**	**--**	**--**
MW-2						
06/23/98	<500	<100	56	<2.0	<2.0	<2.0
03/11/99	--	--	101	--	--	--
06/24/99	<1,000	<200	52.5	<2.0	<2.0	<2.0
06/19/00	<500	<100	59	<2.0	<2.0	4.0
09/30/00	--	--	50	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-2 (cont)						
06/09/03	--	--	67	--	--	--
09/03/03	<50	--	0.9	--	--	--
12/01/03	<50	--	72	--	--	--
03/01/04	<50	--	130	--	--	--
06/02/04	<50	--	46	--	--	--
09/03/04	<50	--	69	--	--	--
12/20/04	NOT SAMPLED DUE TO THE PERSENCE OF SPH			--	--	--
03/12/05	<50	--	57	--	--	--
06/28/05	<50	--	6	--	--	--
09/01/05	NOT SAMPLED DUE TO THE PERSENCE OF SPH			--	--	--
12/01/05	<50	--	3	--	--	--
03/04/06	<50	--	14	--	--	--
06/01/06	<50	--	35	--	--	--
09/01/06	<50	--	31	--	--	--
12/15/06	<50	--	25	--	--	--
03/15/07	<50	--	15	--	--	--
06/15/07	NOT SAMPLED DUE TO THE PERSENCE OF SPH			--	--	--
09/06/07	<50	--	43	--	--	--
12/07/07	<50	--	28	--	--	--
03/07/08	<50	--	19	--	--	--
06/24/08	NOT SAMPLED DUE TO THE PERSENCE OF SPH			--	--	--
09/11/08	**NOT SAMPLED DUE TO THE PERSENCE OF SPH**			--	--	--
MW-3						
06/23/98	<5,000	<1,000	420	<20	<20	26
03/11/99	--	--	580	--	--	--
06/24/99	<6,670	<1,330	900	<13.3	<13.3	<13.3
06/19/00	570	<100	920	<2.0	<2.0	65
09/30/00	--	--	2,100	--	--	--
06/09/03	--	--	1,800	--	--	--
09/03/03	<250	--	4,100	--	--	--
12/01/03	<130	--	2,400	--	--	--
03/01/04	<50	--	850	--	--	--
06/02/04	<50	--	1,500	--	--	--
09/03/04	<100	--	1,800	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-3 (cont)						
12/20/04	<50	--	86	--	--	--
03/12/05	<50	--	110	--	--	--
06/28/05	<50	--	23	--	--	--
09/01/05	<50	--	47	--	--	--
12/01/05	<50	--	19	--	--	--
03/04/06	<50	--	36	--	--	--
06/01/06	<50	--	29	--	--	--
09/01/06	<50	--	29	--	--	--
12/15/06	<50	--	14	--	--	--
03/15/07	<50	--	24	--	--	--
06/15/07	<50	--	18	--	--	--
09/06/07	<50	--	14	--	--	--
12/07/07	<50	--	16	--	--	--
03/07/08	<50	--	20	--	--	--
06/24/08	<50	--	21	--	--	--
09/11/08	**<50**	**--**	**29**	**--**	**--**	**--**
MW-4						
06/23/98	<50,000	<10,000	11,000	<200	<200	860
03/11/99	--	--	17,600	--	--	--
06/24/99	<125,000	<25,000	17,000	<250	<250	2600
06/19/00	<25,000	<5,000	9,500	<100	<100	1,100
09/30/00	--	--	7,800	--	--	--
06/09/03	--	--	1,700	--	--	--
09/03/03	<130	--	1,600	--	--	--
12/01/03	<100	--	1,700	--	--	--
03/01/04	<50	--	1,200	--	--	--
06/02/04	<50	--	1,600	--	--	--
09/03/04	<100	--	1,500	--	--	--
12/20/04	<250	--	1,900	--	--	--
03/12/05	<100	--	1,200	--	--	--
06/28/05	<50	--	920	--	--	--
09/01/05	<100	--	1,500	--	--	--
12/01/05	<50	--	260	--	--	--
03/04/06	<50	--	80	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-4 (cont)						
06/01/06	<50	--	51	--	--	--
09/01/06	<50	--	29	--	--	--
12/15/06	<50	--	19	--	--	--
03/15/07	<50	--	18	--	--	--
06/15/07	<50	--	16	--	--	--
09/06/07	<50	--	9	--	--	--
12/07/07	<50	--	15	--	--	--
03/07/08	<50	--	15	--	--	--
06/24/08	<50	--	15	--	--	--
09/11/08	**<50**	**--**	**34**	**--**	**--**	**--**
MW-5						
10/23/00	<1,000	<100	4.34	<2.00	<2.00	<2.00
06/09/03	--	--	79	--	--	--
09/03/03	<50	--	2	--	--	--
12/01/03	<50	--	52	--	--	--
03/01/04	<50	--	120	--	--	--
06/02/04	<50	--	110	--	--	--
09/03/04	<50	--	80	--	--	--
12/20/04	<50	--	62	--	--	--
03/12/05	<50	--	58	--	--	--
06/28/05	<50	--	64	--	--	--
09/01/05	<50	--	61	--	--	--
12/01/05	<50	--	50	--	--	--
03/04/06	<50	--	49	--	--	--
06/01/06	<50	--	38	--	--	--
09/01/06	<50	--	32	--	--	--
12/15/06	<50	--	26	--	--	--
03/15/07	<50	--	23	--	--	--
06/15/07	<50	--	22	--	--	--
09/06/07	<50	--	17	--	--	--
12/07/07	<50	--	22	--	--	--
03/07/08	<50	--	18	--	--	--
06/24/08	<50	--	18	--	--	--
09/11/08	**<50**	**--**	**18**	**--**	**--**	**--**

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-6						
10/23/00	<1,000	<100	5.96	<2.00	<2.00	<2.00
06/09/03	--	--	1	--	--	--
09/03/03	<50	--	0.8	--	--	--
12/01/03	<50	--	<0.5	--	--	--
03/01/04	<50	--	25	--	--	--
06/02/04	<50	--	<0.5	--	--	--
09/03/04	<50	--	0.6	--	--	--
12/20/04	<50	--	0.6	--	--	--
03/12/05	<50	--	<0.5	--	--	--
06/28/05	<50	--	<0.5	--	--	--
09/01/05	<50	--	1	--	--	--
12/01/05	<50	--	<0.5	--	--	--
03/04/06	<50	--	<0.5	--	--	--
06/01/06	<50	--	<0.5	--	--	--
09/01/06	<50	--	1	--	--	--
12/15/06	<50	--	<0.5	--	--	--
03/15/07	<50	--	<0.5	--	--	--
06/15/07	<50	--	<0.5	--	--	--
09/06/07	<50	--	0.6	--	--	--
12/07/07	<50	--	1	--	--	--
03/07/08	<50	--	<0.5	--	--	--
06/24/08	<50	--	<0.5	--	--	--
09/11/08	**<50**	**--**	**1**	**--**	**--**	**--**
MW-7						
10/23/00	<6,670	<667	1,210	13.3	13.3	199
06/09/03	--	--	210	--	--	--
09/03/03	<50	--	0.8	--	--	--
12/01/03	<50	--	130	--	--	--
03/01/04	<50	--	180	--	--	--
06/02/04	<50	--	87	--	--	--
09/03/04	<50	--	140	--	--	--
12/20/04	<50	--	130	--	--	--
03/12/05	<50	--	110	--	--	--
06/28/05	<50	--	30	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-7 (cont)						
09/01/05	<50	--	70	--	--	--
12/01/05	<50	--	35	--	--	--
03/04/06	<50	--	49	--	--	--
06/01/06	<50	--	35	--	--	--
09/01/06	<50	--	17	--	--	--
12/15/06	<50	--	20	--	--	--
03/15/07	<50	--	19	--	--	--
06/15/07	<50	--	12	--	--	--
09/06/07	<50	--	14	--	--	--
12/07/07	<50	--	8	--	--	--
03/07/08	<50	--	8	--	--	--
06/24/08	<50	--	9	--	--	--
09/11/2008	**<50**	**--**	**16**	**--**	**--**	**--**

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

EXPLANATIONS:

Groundwater laboratory analytical results prior to June 19, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TBA = t-Butyl alcohol

MTBE = Methyl Tertiary Butyl Ether

DIPE = di-Isopropyl ether

ETBE = Ethyl t-butyl ether

TAME = t-Amyl methyl ether

(µg/L) = Micrograms per liters

-- = Not Analyzed

Table 3

Groundwater Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOG (µg/L)	Benzene by (EPA 8240) (µg/L)	Xylene by (EPA 8240) (µg/L)	C-1,2- DCE (µg/L)	Carbon Disulfide (µg/L)	Vinyl Chloride (µg/L)
MW-2						
10/17/95	<5,000	--	--	11	--	--
03/29/96	--	11	2.5	17	--	5.4
06/26/96	--	11	<2.0	15	--	12
09/25/96	--	--	--	--	--	--
12/17/96	--	10	<2.0	2.3	--	5.5
03/20/97	--	--	--	<2.0	--	3.2
06/20/97	--	7.2	<2.0	4.6	2.2	5.2
09/09/97	--	11	<2.0	<2.0	<2.0	<2.0
12/12/97	--	<2.0	<2.0	<2.0	<2.0	<2.0
02/19/98	--	<3.3	<3.3	<3.3	<3.3	<3.3

EXPLANATIONS:

Groundwater laboratory analytical results were compiled from reports prepared by Blaine Tech Services, Inc.

TOG = Total Oil and Grease

c-1,2-DCE = cis-1,2-Dichloroethene

(µg/L) = Micrograms per liters

-- = 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.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-1851 Job Number: 385145
Site Address: 451 Hegenberger Road Event Date: 9-11-08 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW-1 Date Monitored: 9-11-08
Well Diameter 2 in.
Total Depth 14.63 ft.
Depth to Water 4.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.13 xVF .17 = 1.72 x3 case volume = Estimated Purge Volume: 5.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.53

Purge Equipment:
Disposable Bailer ✓
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1055 Weather Conditions: Cloudy
Sample Time/Date: 1120 / 9-11-08 Water Color: Clear Odor: Y ~~N~~
Approx. Flow Rate: — gpm. Sediment Description: Clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 6.47

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ~~EC~~)	Temperature (~~C~~ / F)	D.O. (mg/L)	ORP (mV)
1100	2.0	6.86	2466	25.3		
1105	4.0	6.86	2445	25.9		
1110	5.5	6.85	2413	25.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-1851 Job Number: 385145
Site Address: 451 Hegenberger Road Event Date: 9-11-08 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW-2 Date Monitored: 9-11-08
Well Diameter 2 in.
Total Depth 14.90 ft.
Depth to Water 5.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

9.4 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____

Time Started: 1130 (2400 hrs)
Time Completed: 1145 (2400 hrs)
Depth to Product: 5.15 ft
Depth to Water: 5.50 ft
Hydrocarbon Thickness: 0.35 ft
Visual Confirmation/Description: Black thick Oil
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: 400 ml gal
Water Removed: 100ml
Product Transferred to: Container, back to GR warehouse

Purge Equipment:
Disposable Bailer _____
Stainless Steel Bailer _____
Stack Pump _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:
Disposable Bailer _____
Pressure Bailer _____
Discrete Bailer _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Start Time (purge): _____ Weather Conditions: _____
Sample Time/Date: _____ / _____ Water Color: _____ Odor: Y / N _____
Approx. Flow Rate: _____ gpm. Sediment Description: _____
Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)

COMMENTS: * SPH *
* Bailed product *

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-1851 Job Number: 385145
Site Address: 451 Hegenberger Road Event Date: 9-11-08 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW-3 Date Monitored: 9-11-08
Well Diameter 2 in.
Total Depth 14.68 ft.
Depth to Water 5.02 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

9.66 xVF .17 = 1.64 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.95

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0830 Weather Conditions: Cloudy
Sample Time/Date: 0855 / 9-11-08 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 6.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ~~mS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0834	1.5	7.01	out of Range	18.5		
0838	3.0	7.03	↓	23.0		
0842	5.0	7.05	✓	22.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-1851 Job Number: 385145
Site Address: 451 Hegenberger Road Event Date: 9-11-08 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW-4 Date Monitored: 9-11-08
Well Diameter 2 in.
Total Depth 15.08 ft.
Depth to Water 5.71 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

9.37 xVF .17 = 1.59 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.58

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1020 Weather Conditions: Cloudy
Sample Time/Date: 1045 / 9-11-08 Water Color: Yellow tint Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: Clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 7.27

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (mS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1025	1.5	7.02	3670	23.1		
1030	3.0	7.05	Out of range	22.3		
1035	5.0	7.07	Out of Range	22.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-1851 Job Number: 385145
Site Address: 451 Hegenberger Road Event Date: 9-11-08 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW-5 Date Monitored: 9-11-08
Well Diameter 2 in.
Total Depth 7.18 ft.
Depth to Water 5.21 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

1.97 xVF .17 = 0.33 x3 case volume = Estimated Purge Volume: 1.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.60

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0800 Weather Conditions: Cloudy
Sample Time/Date: 0820 / 9-11-08 Water Color: Yellow Odor: (Y) N / Sulfur
Approx. Flow Rate: — gpm. Sediment Description: Clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 5.46

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0801	.25	7.11	out of Range	20.8		
0802	.50	7.13	↓	20.5		
0804	1.0	7.13		20.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-1851 Job Number: 385145
Site Address: 451 Hegenberger Road Event Date: 9-11-08 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW-6 Date Monitored: 9-11-08
Well Diameter 2 in.
Total Depth 10.05 ft.
Depth to Water 2.57 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

7.48 xVF .17 = 1.27 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.07

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0905 Weather Conditions: Cloudy
Sample Time/Date: 0930 / 9-11-08 Water Color: Brown Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description: Heavy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 4.01

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0910	1.5	7.45	794	21.6		
0914	3.0	7.05	1554	21.6		
0918	4.0	7.06	1587	21.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-1851 Job Number: 385145
Site Address: 451 Hegenberger Road Event Date: 9-11-08 (inclusive)
City: Oakland, CA Sampler: AV

Well ID MW-7 Date Monitored: 9-11-08
Well Diameter 2 in.
Total Depth 13.31 ft.
Depth to Water 6.86 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

6.45 xVF .17 = 1.09 x3 case volume = Estimated Purge Volume: 3.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.15

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0940 Weather Conditions: Cloudy
Sample Time/Date: 1005 / 9-11-08 Water Color: Cloudy Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 7.89

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0944	1.0	6.93	633	20.9		
0948	2.0	6.95	800	21.3		
0952	3.5	6.95	870	21.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

091108-03

For Lancaster Laboratories use only

Acct. #: 10904 Sample # 5466681-87 Group #: 004103

1109764

Facility #: SS#9-1851 (OML) G-R#385145 Global ID#T0600102238

Site Address: 451 HEGENBERGER ROAD, OAKLAND, CA

Chevron PM: AC Lead Consultant: CRACE

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568

Consultant Prj. Mgr.: Deanne L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: Alex Wong

Analyses Requested / Preservation Codes: H (BTEX + MTBE), H (TPH 8015 MOD GRO), H (ETHANOL (8260))

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	ETHANOL (8260)				
QA	9-11-08	—	X			X		2	X	X										
MW-1	↓		X			X		6	X	X						X				
MW-3			X			X		6	X	X						X				
MW-4			X			X		6	X	X						X				
MW-5			X			X		6	X	X						X				
MW-6			X			X		6	X	X						X				
MW-7			X			X		6	X	X						X				

Preservative Codes

H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☒ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed EDF/EDD
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9-11-08	1250	[signature]	9/11/08	1050
[signature]	11 Sep 08	1630	DHL		

Relinquished by Commercial Carrier:
UPS FedEx Other DHL

Received by: [signature] Date 9/12/08 Time 0940

Temperature Upon Receipt 0.1-4.1 C°

Custody Seals Intact? Yes (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

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1109764. Samples arrived at the laboratory on Friday, September 12, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
QA-T-080911 NA Water	5466681
MW-1-W-080911 Grab Water	5466682
MW-3-W-080911 Grab Water	5466683
MW-4-W-080911 Grab Water	5466684
MW-5-W-080911 Grab Water	5466685
MW-6-W-080911 Grab Water	5466686
MW-7-W-080911 Grab Water	5466687

ELECTRONIC COPY TO CRA c/o Gettler-Ryan Attn: Cheryl Hansen

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Dorothy M. Love

Dorothy M. Love
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5466681 **Group No. 1109764**

QA-T-080911 NA Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger Rd-Oakland T0600102238 QA
Collected:09/11/2008

Account Number: 10904

Submitted: 09/12/2008 09:40
Reported: 09/22/2008 at 19:08
Discard: 10/23/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OK-QA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	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 No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/19/2008 14:31	Carrie E Youtzy	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/18/2008 06:30	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2008 14:31	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/18/2008 06:30	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5466682 **Group No. 1109764**

MW-1-W-080911 Grab Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger Rd-Oakland T0600102238 MW-1
Collected:09/11/2008 by AW

Account Number: 10904

Submitted: 09/12/2008 09:40
Reported: 09/22/2008 at 19:08
Discard: 10/23/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OK-M1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	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	9	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 No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/19/2008 14:59	Carrie E Youtzy	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/17/2008 22:25	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2008 14:59	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/17/2008 22:25	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5466683 **Group No. 1109764**

MW-3-W-080911 Grab Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger Rd-Oakland T0600102238 MW-3
Collected:09/11/2008 by AW

Account Number: 10904

Submitted: 09/12/2008 09:40
Reported: 09/22/2008 at 19:08
Discard: 10/23/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OK-M3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50	ug/l	1
	Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.					
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	29	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 No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/19/2008 15:26	Carrie E Youtzy	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/17/2008 22:46	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2008 15:26	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/17/2008 22:46	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5466684 **Group No. 1109764**

MW-4-W-080911 Grab Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger Rd-Oakland T0600102238 MW-4
Collected:09/11/2008 by AW

Account Number: 10904

Submitted: 09/12/2008 09:40
Reported: 09/22/2008 at 19:08
Discard: 10/23/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OK-M4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	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	34	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 No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/19/2008 15:54	Carrie E Youtzy	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/17/2008 23:54	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2008 15:54	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/17/2008 23:54	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5466685 **Group No. 1109764**

MW-5-W-080911 Grab Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger Rd-Oakland T0600102238 MW-5
Collected:09/11/2008 by AW

Account Number: 10904

Submitted: 09/12/2008 09:40
Reported: 09/22/2008 at 19:08
Discard: 10/23/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OK-M5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50	ug/l	1
	Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.					
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	18	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
	Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 6.					

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 No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/19/2008 16:22	Carrie E Youtzy	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/18/2008 00:17	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2008 16:22	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/18/2008 00:17	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5466686 **Group No. 1109764**

MW-6-W-080911 Grab Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger Rd-Oakland T0600102238 MW-6
Collected:09/11/2008 by AW

Account Number: 10904

Submitted: 09/12/2008 09:40
Reported: 09/22/2008 at 19:08
Discard: 10/23/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OK-M6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	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	1	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 No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/19/2008 16:50	Carrie E Youtzy	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/18/2008 00:40	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2008 16:50	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/18/2008 00:40	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5466687 **Group No. 1109764**

MW-7-W-080911 Grab Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger Rd-Oakland T0600102238 MW-7
Collected:09/11/2008 by AW

Account Number: 10904

Submitted: 09/12/2008 09:40
Reported: 09/22/2008 at 19:08
Discard: 10/23/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

OK-M7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	99	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	16	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 No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/19/2008 17:17	Carrie E Youtzy	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/18/2008 01:02	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/19/2008 17:17	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/18/2008 01:02	Michael A Ziegler	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Group Number: 1109764
Reported: 09/22/08 at 07:08 PM

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

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08263A15A	Sample number(s): 5466681-5466687							
TPH-GRO - Waters	N.D.	50.	ug/l	132	131	75-135	1	30
Batch number: D082613AA	Sample number(s): 5466682-5466687							
Ethanol	N.D.	50.	ug/l	86		45-156		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		73-119		
Benzene	N.D.	0.5	ug/l	100		78-119		
Toluene	N.D.	0.5	ug/l	98		85-115		
Ethylbenzene	N.D.	0.5	ug/l	98		82-119		
Xylene (Total)	N.D.	0.5	ug/l	100		83-113		
Batch number: Z082614AA	Sample number(s): 5466681							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	92		73-119		
Benzene	N.D.	0.5	ug/l	92		78-119		
Toluene	N.D.	0.5	ug/l	93		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		83-113		

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 %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08263A15A	Sample number(s): 5466681-5466687 UNSPK: P466992								
TPH-GRO - Waters	132		63-154						
Batch number: D082613AA	Sample number(s): 5466682-5466687 UNSPK: 5466683								
Ethanol	96	69	32-164	33*	30				
Methyl Tertiary Butyl Ether	76	84	69-127	4	30				
Benzene	103	103	83-128	0	30				
Toluene	99	101	83-127	1	30				
Ethylbenzene	99	100	82-129	1	30				
Xylene (Total)	101	102	82-130	2	30				
Batch number: Z082614AA	Sample number(s): 5466681 UNSPK: P466617								
Methyl Tertiary Butyl Ether	91	91	69-127	0	30				
Benzene	96	96	83-128	1	30				
Toluene	96	97	83-127	2	30				
Ethylbenzene	100	103	82-129	3	30				
Xylene (Total)	95	97	82-130	2	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Reported: 09/22/08 at 07:08 PM

Group Number: 1109764

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-GRO - Waters
Batch number: 08263A15A

	Trifluorotoluene-F
5466681	83
5466682	79
5466683	82
5466684	82
5466685	82
5466686	82
5466687	83
Blank	83
LCS	81
LCSD	91
MS	83
Limits:	63-135

Analysis Name: BTEX, MTBE, ETOH
Batch number: D082613AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5466682	91	96	88	95
5466683	88	95	88	94
5466684	89	95	88	96
5466685	89	96	88	96
5466686	88	93	87	93
5466687	86	91	86	93
Blank	87	93	87	92
LCS	87	91	86	97
MS	89	96	88	100
MSD	87	93	87	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: Z082614AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5466681	91	83	87	87
Blank	90	83	88	86
LCS	92	86	89	88
MS	92	86	89	88
MSD	92	87	89	89
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

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

< less than – The number following the sign is the limit of quantitation, 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 confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥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.

ATTACHMENT F

STANDARD FIELD PROCEDURES FOR SOIL BORINGS

ATTACHEMENT C

STANDARD OPERATING PROCEDURES FOR SOIL BORINGS

CONESTOGA-ROVERS & ASSOCIATES

STANDARD FIELD PROCEDURES FOR SOIL BORINGS

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

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Professional Geologist (PG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e. sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or product saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e. cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or hydraulic push technologies. Prior to drilling, the first 8 ft of the boring are cleared using an air or water knife and vacuum extraction. This minimizes the potential for impacting utilities.

At least one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments beyond the bottom of the borehole. The vertical location of each soil sample is determined by measuring the distance from the middle of the soil sample tube to the end of the drive rod used to advance the split barrel sampler. All sample depths use the ground surface immediately adjacent to the boring as a datum. The horizontal

location of each boring is measured in the field from an onsite permanent reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4oC on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable photoionization detector (PID) measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. PID measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch type sampler or are collected from the open borehole using bailers. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4oC, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are collected usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory QA/QC

blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite on top of and covered by plastic sheeting. At least four individual soil samples are collected from the stockpiles for later compositing at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Ground water removed during sampling and/or rinsate generated during decontamination procedures are stored onsite in sealed 55 gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Disposal of the water is based on the analytic results for the well samples. The water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.