AMY E. GAYLORD (SBN 217553)
PILLSBURY WINTHROP SHAW PITTMAN LLP
50 Fremont Street
San Francisco, CA 94105
Telephone: (415) 983-1000
Facsimile: (415) 983-1200
E-mail: amy.gaylord@pillsburylaw.com

Attorneys for Petitioner,
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY

STATE WATER RESOURCES CONTROL BOARD

In the Matter of the California Regional Water Quality Control Board – Los Angeles Region Requirement to Provide a Technical Report on Soil and Groundwater Investigation (California Water Code Section 13267 Order) Directed to "Chevron Environmental Management Company"; Former Texaco Gasoline Station, Chevron Facility No. 21-1316, 1209 E. Carson Street, Carson, California (UST Case No. 21-1316)	**CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY'S PETITION FOR REVIEW, REQUEST FOR HEARING, AND REQUEST FOR STAY**

I. PETITION FOR REVIEW.

Pursuant to Section 13267 of the California Water Code and Section 2050 of Title 23 of the California Code of Regulations ("CCR"), Chevron Environmental Management Company ("EMC") ("Petitioner") petitions the State Water Resources Control Board ("State Board") to review the April 26, 2011 action of the California Regional Water Quality Control Board, Los Angeles Region ("Regional Board") in issuing the order entitled "*Requirement to Provide Technical Report on Soil and Groundwater Investigation (California Water Code Section 13267) Directed To 'Chevron Environmental Management Company' Former Texaco Gasoline Station Chevron Facility No. 21-1316 1209 E. Carson Street, Carson, California (UST Case No. 21-1316).*" Hereafter, this April 26, 2011 directive is referred to as the "Order." A true and correct copy of the Order is attached as Exhibit 1 to the declaration of Amy E. Gaylord, concurrently submitted in support of this Petition (hereafter "Gaylord Decl.").

Additionally, Pursuant to Section 13320 of the California Water Code and Section 2053 of Title 23 of the California Code of Regulations, Petitioner requests that an order be issued staying the effect of the Order, and requests a hearing on this Petition.

A. NAME, ADDRESS, TELEPHONE NUMBER AND EMAIL ADDRESS OF PETITIONER.

Petitioner is Chevron Environmental Management Company
Attn: Mr. A. Todd Littleworth
Chevron Corporation - Law Department
6001 Bollinger Canyon Road
San Ramon, California 94583
Telephone: (925) 842-9159
Email: TLittleworth@chevron.com

Petitioner requests that copies of all communications and documents relating to this Petition also be sent to:

Amy E. Gaylord, Esq.
Pillsbury Winthrop Shaw Pittman LLP
50 Fremont Street
San Francisco, CA 94105-2228
Telephone: (415) 987-7262
Email: amy.gaylord@pillsburylaw.com

B. **THE SPECIFIC ACTION OF THE REGIONAL BOARD THAT THE STATE BOARD IS REQUESTED TO REVIEW.**

Petitioner seeks rescission of the directives contained in the Regional Board's April 26, 2011 Order which are vague, ambiguous, overly broad and duplicative of other Regional Board orders. Specifically, Petitioner seeks rescission of the Order insofar as it attempts to require it to: (1) investigate a former Texaco service station, which has already been extensively investigated pursuant to an open Regional Board Leaking Underground Storage Tank ("LUST") case and which data indicate is not reasonably considered a potential source of the petroleum release in the Dominguez Channel; and (2) investigate the undefined "Site," which presumably is intended to encompass the Dominguez Channel and properties in the vicinity, none of which Petitioner owns or operates, and over which it has no control or right of access.

The Order exceeds the scope of the Regional Board's investigatory authority under Water Code section 13267 because the burden of the directive does not bear a reasonable relationship to the need for the work directed or the benefits to be gained by it, which are not supported by evidence in the Order. *See* Cal. Wat. Code § 13267 (b)(1).

C. **THE DATE ON WHICH THE REGIONAL BOARD ACTED OR FAILED TO ACT.**

The Regional Board acted on April 26, 2011 when it issued the Order.

D. **STATEMENT OF REASONS THE ACTION OR INACTION WAS INAPPROPRIATE AND IMPROPER.**

1. **History of the Order.**

In January 2011, a petroleum release from the bottom of the Dominguez Channel was discovered. On April 26, 2011, the Regional Board issued Orders[1] to 'Chevron Pipeline', Chevron Environmental Management Company, ConocoPhillips Company,

[1] Petitioner has not seen the text of the orders to all of the other recipients, but presumes they are the same.

Crimson Pipeline, Shell Oil Products US, Tesoro Corporation, Prowell Family Trust, and BP Pipelines, naming them as potentially responsible parties for approximately 13 different "petroleum facilities" in the vicinity of the Dominguez Channel. *See* Gaylord Decl., Ex. 1. The facilities for which these entities are responsible include current and former service stations, various pipelines, a former air harbor facility and an active petroleum terminal, among others. *Id.* Several of these facilities are already under unrelated Regional Board orders. *Id.*

The Order requires the recipients to submit:

> 1. By June 8, 2011, a work plan to delineate the vertical and lateral extent of petroleum impact in the vicinity of the release. The work plan shall be prepared with the intent of determining (1) the extent of petroleum impact from the Site and (2) if your facility has contributed to the Release in the Dominguez Channel. The work plan shall place an emphasis on expedient groundwater delineation but shall also include plans to delineate soil and soil gas impacts. The work plan shall propose initial sampling locations, describe proposes sampling and analysis techniques, provide a proposed timeline for activities, and include provisions for follow-up work in the event the proposed work does not sufficiently define the extent of impact.
>
> 2. After Approval by the Regional Board Executive Officer, implement the work plan and report results in accordance with the approved work plan schedule.

Id. The Order does not define the term "Site."

The Order states that the work it directs is necessary "to determine (1) the extent of petroleum impact beneath and near the ongoing release in the Dominguez Channel, approximately 400 feet south of Carson Street in Carson, California and (2) whether your facility has contributed to the petroleum release." *Id.* The Order represents that the *evidence* justifying the burden imposed by it is the "operation of a petroleum facility near the release site." *Id.* In addition, a table attached to the Order, entitled "Recipients of CWC Section 12367 Orders Associated with a Petroleum Release near Carson Street in the Dominguez Channel," purports to explain the "Basis for Order" as it pertains to each of the recipients. *Id.* However, the information contained in the table with regard to the former Texaco station includes references to data, with no citation as to the source of the data referenced. Gaylord Decl., Ex. 1. Presumably the table intended to reference the maximum

on-site concentrations of petroleum constituents detected, however, if that is the case the data presented are not accurate, and Petitioner cannot determine where the data contained in the table originated. Declaration of Rob Speer ("Speer Decl.") at ¶ 3.

After receiving the Order, Petitioner responded to the Board by letter dated May 6, 2011 (Gaylord Decl. Ex. 2), challenging the sufficiency of the evidence presented in the Order, and whether the burden of the Order was reasonable in light of the costs to comply with it. *See* Cal. Water Code § 13267(b)(1). On May 24, 2011, Petitioner received a response from the Regional Board indicating, among other things, that the Order to "CEMC regarding the former Texaco Service Station is not rescinded." Gaylord Decl., Ex. 3.

On May 13, 2011, the Regional Board held a meeting in Los Angeles with the Order recipients. Representatives attended on Petitioner's behalf. Gaylord Decl. ¶ 5. According to information presented by the Regional Board project manager for the Order, Greg Bishop, petroleum was discovered "daylighting" from the bottom of the Dominguez Channel in January 2011. See Gaylord Decl., Ex. 4 at 3. Since then, Los Angeles Department of Water and Power ("LADPW"), the owner and operator of the Channel, has been undertaking capture activities in the Channel. *Id.* at 5. Apparently, only very limited sampling of the petroleum product found in the Channel has been conducted. According to the Regional Board, data indicate that the product found in the seep is refined petroleum, likely a gasoline and/or jet fuel range hydrocarbon. *Id.* at 22-24. An additional source of petroleum to the Channel from what appears to be a distinct petroleum product has been detected in subdrain piping running in the levees along the sides of the Channel. *Id.*

On May 17, 2011, the Regional Board issued a Cleanup and Abatement Order ("CAO") to the Los Angeles Department of Public Works ("DPW"), directing it to "assess, monitor, cleanup the waste, and abate the effects of the ongoing discharge of LNAPL and other wastes within the Dominguez Channel, approximately 400 feet south of Carson Street in Carson, California." Gaylord Decl. Ex. 5.

2. **The Former Texaco Station.**

The Order directs Petitioner to investigate a former Texaco station at 1209 E. Carson Street. The USTs and fueling equipment were removed from the former Texaco station in the late the 1970s and it has not been operated as a service station since that time. Petitioner has been engaged in the investigation and cleanup of the former station site since the late 1990s. Speer Decl. ¶ 4. Since then, it has installed an extensive monitoring well system, consisting of 16 on-site and off-site monitoring wells. Petitioner has sampled these wells under the oversight of the Regional Board since their installation in approximately 1996, and remains under an open environmental case for the site through the Regional Board's LUST program (Regional Board case number UST: R-05994). *Id.* Petitioner is in compliance with directives for the LUST case, and has not been directed to complete the work for the site now directed under the Order as part of the existing environmental case. *Id. See,* < http://geotracker.swrcb.ca.gov/profile_report.asp?global_id=T0603722212>.

The data collected from the LUST site monitoring program indicates a declining trend of petroleum detections in the on-site wells near the former UST release source – enough so that monitoring frequency was reduced from quarterly to semi-annually in 2010. Speer Decl. ¶ 5. *The Order ignores this recent data.* Instead, it reports as justification for the issuance of the Order what presumably purport to be maximum concentrations from the site. However, the referenced concentrations are not consistent with either maximum concentration data from the site, or the relevant recent data. Speer Decl. ¶ 3.

The third and fourth Quarter 2010 groundwater monitoring data from the station site demonstrate that the remaining impacts are largely in off-site wells and are not reasonably attributed to the long past release from the former service station. Speer Decl. ¶ 6. Higher maximum soil concentrations are currently observed off-site than were seen on-site even in the early stages of investigation near the former tanks and dispensers. The locations and depths of highest concentrations clearly follow the geometry of the streets where known pipelines and utilities exist. Speer Decl. Ex. 1. And contrary to the suggestion in the "basis for order" section of the table enclosed with the Order, separate phase hydrocarbons (e.g.,

free product), were not detected at a measurable thickness in groundwater until recently in MW-9 on June 24, 2010, when 0.03 feet was measured. The fact that the levels were not measurable in the many years of prior monitoring is evidence that the recent concentration increases are from an off-site source. Speer Decl. ¶ 6.

Furthermore, historic borings in the vicinity of the site's former source areas have vertically delineated the potential impact that may have resulted from the equipment. Additional vertical investigation in these areas would not serve to further delineate the nature of the release from on-site due to the depth of groundwater in the area. Speer Decl. ¶ 7. The maximum concentration of TPH-g in soil was detected in the vicinity of the former USTs in boring B-1 at 15 feet bgs (3,700 mg/kg). *Id.* However, the concentration detected in the next deepest sample from B-1 (17.5 feet bgs) was less than half (1,300 mg/kg) that of the 15 foot sample. *Id.* Similarly, the analytical results for the other on-site borings exhibit declining concentration trends with depth. *Id.*

There are known pipeline releases up-gradient of the service station location, which can explain the concentrations seen in the wells adjacent to the pipelines especially since, despite being open Regional Board cases, it appears those releases have not been investigated. All indications are that the current detections in Petitioner's monitoring well network are from off-site sources and not from the former service station. Speer Decl. ¶ 8.

3. **The "Site".**

In addition to investigating its facility and any off-site impacts from it, the order directs Petitioner to investigate some undefined "Site." As explained during the meeting with the Regional Board, the assessment goals of this Order are:

1. Physical subsurface sampling to fully delineate soil, ***groundwater*** and soil gas impact around petroleum infrastructure and the Dominguez Channel (including the connection to subdrain systems and the bottom of the channel).
   - LNAPL
   - Other petroleum (dissolved phase, soil gas, etc.)
   - Other contaminants (?)
   - Full lateral and vertical extents
   - Connection to bottom of channel
   - Connection to subdrains
     - Transport along subdrains

2. Gain an understanding of the subsurface conditions delivering LNAPL to the channel bottom and the levee subdrains.
3. Determine whether individual petroleum infrastructures are contributing to the Dominguez Channel release.
4. Complete sufficient assessment to design a remediation approach.
5. Collaborate to improve efficiency to achieve Goals 1 to 4.
   - Faster results
   - Better results
   - Lower Costs

Gaylord Decl., Ex. 4 at 27-39 (emphasis in original). Petitioner understands the Regional Board's goals, in combination with the vague language of the Order, to require the Order recipients to investigate and delineate the scope of impacts some undefined area *in and near the Channel itself*, despite having ordered DPW to cleanup and abate any ongoing releases at the Channel, and despite the fact that DPW is the owner and operator of the Channel and the entity with control or access to the Channel. Gaylord Decl. Exs. 4-5.

4. **The Burden of the Order is Not Justified In Light of the Limited/Non-Existent Benefits to Be Gained by It.**

Due to the vague nature of the Order, it is not clear what Petitioner is expected to do to comply with it. It appears that the Regional Board expects Petitioner to prepare a new work plan and conduct further investigation of the former Texaco station site, as well as some unidentified area in the vicinity of, and including, the Dominguez Channel. The cost and burden of preparing such a work plan is disproportionate to the need and benefits to be gained by the report. California Water Code Section 13267(b)(1) states, in part: "The burden, including costs, of these [technical] reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports." Moreover, evidence from old investigations that does not support continuing investigation requirements, is not a valid basis for an investigatory Order pursuant to Water Code section 13267. *See In the Matter of the Petition of Chevron Products Company*, 2004 WL 1371359, at 4 (Cal. St. Wat. Res. Bd., Order WQO 2004-2005)(May 20, 2004).

The burden imposed by the Order has not been properly justified, in light of the following:

- The Texaco station is currently under oversight of the Regional Board's UST program and any work done pursuant to this Order may conflict, duplicate or repeat work already completed. Thus, if Petitioner were to attempt to comply with the Order as directed to the former Texaco station, it would be under two distinct regulatory orders from the same agency. Moreover, the LUST case is approaching closure. Nevertheless, premised on the same UST release that opened the LUST case, the Regional Board now demands Petitioner again investigate not only the service station property, but other undefined areas as well. Petitioner is faced with potentially conflicting, or at a minimum, duplicative orders for its former service station site;
- The directive to the former Texaco station is not justified based on the data. The Order appears to be premised on old, (inaccurate) maximum concentration levels from the station, when the *current* station data clearly indicate that an *off-site* source is impacting Petitioner's wells – likely the up-gradient pipeline releases which have not been fully investigated. Additional further delineation of the site is not warranted based on existing data. By failing to consider the current property status and the extensive existing data, the conclusion that the former service station could be a source of petroleum to the Channel is unsupported and the directive to further investigate is unwarranted;
- The demand to investigate the "Site" is vague and undefined such that no recipient can reasonably understand what they are required to do to comply. It is also duplicative of other orders, and does not bear a reasonable relationship to the sites to which the Order is directed;
- Assuming the directive intends to have Petitioner investigate the Channel and its vicinity, Petitioner does not own, operate or have access – other than

to its own former site – to the area of the Dominguez Channel or the Channel itself. Moreover, most of the property owners in the vicinity of the Channel located between the Channel and the former Texaco station have themselves been directed to investigate those properties; and,

- The CAO to DWP, the Channel owner and operator, to cleanup and abate the release in the Channel overlaps with the scope of the investigation of the "Site" as apparently required by the Order.

In sum, submission of a work plan and investigation by Petitioner of the Channel release is futile given existing data which already delineate the Texaco service station site, and is a waste of resources under these circumstances. The Order does not meet the requirement of Water Code section 13267 that the need for the work required bear a "reasonable relationship" to the burden of completing it and exceeds the Regional Board's authority under Water Code section 13267.

E. **THE MANNER IN WHICH THE PETITIONER IS AGGRIEVED.**

The requirement to prepare a work plan to investigate a former Texaco facility already under Regional Board jurisdiction aggrieves Petitioner because it is vague, overly broad, fails to consider work already done by Petitioner under an existing LUST case under the Regional Board's oversight, is not justified in light of current data which the Order fails to consider, requires investigation of properties outside the scope of Petitioner's control, and duplicates/conflicts with directives to Petitioner and other parties. The Order demands preparation of a work plan and investigation, which is an unreasonable expense in light of these facts.

F. **THE SPECIFIC ACTION BY THE STATE OR THE REGIONAL BOARD THAT PETITIONER REQUESTS.**

Petitioner requests that the State Board rescind the Order. Petitioner will comply with reasonable requirements to investigate the Texaco station pursuant to the open LUST case for that site, consistent with the existing data. Petitioner also requests a Stay of the June 8, 2011 due date presented in the Order.

G. **A STATEMENT OF POINTS AND AUTHORITIES IN SUPPORT OF LEGAL ISSUES RAISED IN THE PETITION.**

Petitioner's initial statement of points and authorities is set forth herein above. Petitioner reserves the right to supplement this statement and file additional points and authorities at a future date upon receipt and review of the administrative record and as additional information and evidence is developed.

H. **STATEMENT THAT THE PETITION HAS BEEN SENT TO THE REGIONAL BOARD AND TO THE DISCHARGER, IF NOT THE PETITIONER.**

A copy of this Petition has been sent to the Regional Board, and will be transmitted to the other named parties in the Order.

I. **STATEMENT THAT THE SUBSTANTIVE ISSUES OR OBJECTIONS RAISED IN THE PETITION WERE RAISED BEFORE THE REGIONAL BOARD.**

The history of Plaintiff's communications with the Regional Board with regard to this Order is set forth above.

J. **THE PETITIONER REQUESTS A HEARING ON THE ORDER.**

Petitioner requests a hearing on the Order. In support of this request, it makes the following points:

(1) A summary of the arguments that Petitioner wishes to make at the hearing is provided in the Petition above.

(2) A summary of the testimony or evidence the petitioner wishes to introduce is provided in the Petition above, including all documents referenced in this Petition, although Petitioner may supplement the testimony or evidence at the hearing.

II. **REQUEST FOR STAY ORDER.**

Petitioner requests a stay of the Order pending resolution of the issues raised in this Petition. This stay request is based on the accompanying declarations of Amy E. Gaylord and Rob Speer that demonstrate (1) substantial harm to the Petitioner if a stay is not

granted; (2) a lack of substantial harm to other interested persons and to the public interest if a stay is granted; and (3) substantial questions of fact or law regarding the disputed action.

A. **LEGAL GROUNDS FOR A STAY.**

Pursuant to section 2053 of the State Board's regulations (23 CCR § 2053), a stay of the effect of an order shall be granted if the petitioner shows:

(1) Substantial harm to petitioner or to the public interest if a stay is not granted;

(2) A lack of substantial harm to other interested parties and to the public if a stay is granted; and

(3) Substantial questions of fact or law regarding the disputed action exist.

These requirements are met in this case.

1. **Petitioner Will Suffer Substantial Harm if a Stay Is Not Granted.**

Petitioner challenges the Order on the grounds that the Regional Board does not meet the burden required under California Water Code Section 13267 to show that the need and benefits of a work plan outweigh the significant costs to be incurred in its preparation.

The Order requires the submittal of a work plan to evaluate a service station property that already has been investigated under an unrelated Regional Board case, as well as some undefined "Site." The cost of submitting and implementing a work plan to investigate the overly broad and undefined area in the vicinity of, and including, the Dominguez Channel is presently incalculable, but given the apparent breadth of the Order could potentially total several millions of dollars or more. These costs are unjustified given the existence of the existing order for the site, and the data collected there to date. As a result, these costs should be deemed unnecessary when the State Board acts on the Petition, rendering the expenditure of money, time and resources to comply in the meantime a costly exercise in futility. However, if Petitioner declines to expend money, time and resources in an effort to produce a work plan for a site it already is investigating, it becomes exposed to significant daily penalties for non-compliance with the Order. If a stay is not granted, Petitioner therefore would be faced with a no-win scenario: expend substantial and

unnecessary sums to prepare and implement an unnecessary work plan, or face substantial monetary penalties for failure to produce the work plan. Speer Decl. ¶ 10. A stay until a determination is made as to the cleanup goals would solve this problem and save Petitioner from significant and substantial monetary harm. *Id.*

2. **The Public Will Not Be Substantially Harmed If a Stay Is Granted.**

As noted, above, Petitioner has conducted significant investigation of the former Texaco service station site under an open UST case. Current data from the site does not support the conclusion that the service station is a source of petroleum to the Channel. Moreover, because a Cleanup and Abatement Order was issued to the owner/operator of the Dominguez Channel, where the release is occurring, to clean up and abate it, the public will not be harmed by issuance of a stay with regard to the Order to investigate the already investigated Texaco service station. Gaylord Decl. Ex. 5.

Accordingly, the grant of a stay would not substantially harm the public.

3. **The Petition Raises Substantial Questions of Law and Fact.**

As discussed above, there are significant questions being posed in this case as to whether Order and requirement for completion of a work plan meets the burdens established under California Water Code Section 13267. Petitioner disputes the benefit to be derived from and need for any work plan the Regional Board require es in its Order. There are significant issues of fact and law that are sufficient to warrant the granting of a stay.

Dated: May 26, 2011.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP
AMY E. GAYLORD
50 Fremont Street
San Francisco, CA 94105-2228

By: _____
Attorneys for Petitioner
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY

AMY E. GAYLORD (SBN 217553)
PILLSBURY WINTHROP SHAW PITTMAN LLP
50 Fremont Street
San Francisco, CA 94105
Telephone: (415) 983-1000
Facsimile: (415) 983-1200
E-mail: amy.gaylord@pillsburylaw.com

Attorneys for Petitioner,
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY

STATE WATER RESOURCES CONTROL BOARD

In the Matter of the California Regional Water Quality Control Board – Los Angeles Region Requirement to Provide a Technical Report on Soil and Groundwater Investigation (California Water Code Section 13267 Order) Directed to "Chevron Environmental Management Company"; Former Texaco Gasoline Station, Chevron Facility No. 21-1316, 1209 E. Carson Street, Carson, California (UST Case No. 21-1316)	**DECLARATION OF ROB SPEER IN SUPPORT OF CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY'S PETITION FOR REVIEW, REQUEST FOR HEARING, AND REQUEST FOR STAY**

I, Rob Speer, declare and state as follows:

1. I am a project manager with Chevron Environmental Management Company ("EMC" or "Petitioner") in the instant action. This declaration is submitted in support of EMC's Petition to the State Board challenging the April 26, 2011 action of the California Regional Water Quality Control Board, Los Angeles Region ("Regional Board") in issuing the order entitled "*Requirement to Provide Technical Report on Soil and Groundwater Investigation (California Water Code Section 13267) Directed To 'Chevron Environmental Management Company' Former Texaco Gasoline Station Chevron Facility no. 21-1316 1209 E. Carson Street, Carson, California (UST Case No. 21-1316),*" (the "Order"). Unless otherwise stated, I have personal knowledge of the matters stated here in and could and would testify competently thereto.

2. I am the EMC project manager for the Texaco Gasoline Station Chevron Facility No. 21-1316 1209 E. Carson Street, Carson, California subject to Regional Board UST Case No. 21-1316. Since March 2010, I have managed an outside consultant who has done the field work at this facility. I am familiar with the investigation conducted to date at the site and have reviewed the data collected in relation thereto.

3. I have reviewed the data for this site and compared it to the data contained in the table attached to the Order. The data provided in the table with the Order does not appear to be consistent with the maximum on site concentrations of petroleum constituents detected and reported for the Site and I cannot determine where the data contained in the table originated.

4. I understand and believe that the underground storage tanks ("UST") and fueling equipment were removed from the former Texaco station in the late the 1970s and it has not been operated as a service station since that time. Petitioner has been engaged in the investigation and cleanup of the former station site since the late 1990s. Since that time, it has installed an extensive monitoring well system, consisting of 16 on-site and off-site monitoring wells. Petitioner has sampled these wells under the oversight of the Regional Board since their installation in approximately 1996, and remains under an open

environmental case for the site through the Regional Board's LUST program (Regional Board case number UST: R-05994). Petitioner is in compliance with directives for the LUST case, and has not been directed to complete the work for the site now directed under the Order as part of the existing LUST case.

5. I have reviewed the data collected from the LUST site monitoring program and it indicates a declining trend of petroleum detections in the on-site wells near the former UST release source – enough so that monitoring frequency was reduced from quarterly to semi-annually in 2010.

6. The third and fourth Quarter 2010 groundwater monitoring data from the station site demonstrate that the remaining impacts are largely in off-site wells and are not reasonably attributed to the long past release from the former service station. Higher maximum soil concentrations are currently observed off-site than were seen on-site even in the early stages of investigation near the former tanks and dispensers. The locations and depths of highest concentrations clearly follow the geometry of the streets where known pipelines and utilities exist. And contrary to the suggestion in the "basis for order" section of the table enclosed with the Order, separate phase hydrocarbons (e.g., free product), were not detected at a measurable thickness in groundwater until recently in MW-9 on June 24, 2010, when 0.03 feet was measured. The fact that the levels were not measurable in the many years of prior monitoring is evidence that the recent concentration increases are from an off-site source. A copy of the Third and Fourth Quarter 2010 Monitoring Report for the former Texaco service station site is attached hereto as Exhibit 1.

7. Furthermore, historic borings in the vicinity of the site's former source areas constitute vertical delineation of the potential impact that may have resulted from the service station equipment. In my opinion, additional vertical investigation in these areas would not serve to further delineate the nature of the release from on-site due to the depth of groundwater in the area. The maximum concentration of TPH-g in soil was detected in the vicinity of the former USTs in boring B-1 at 15 feet bgs (3,700 mg/kg). However, the concentration detected in the next deepest sample from B-1 (17.5 feet bgs) was less than

half (1,300 mg/kg) that of the 15 foot sample. Similarly, the analytical results for the other on-site borings exhibit declining concentration trends with depth.

8. I am aware that there are known pipeline releases up-gradient of the service station location. These releases can explain the concentrations seen in the wells adjacent to the pipelines and which, despite being open Regional Board cases, do not appear to have been investigated. All indications are that the current detections in Petitioner's monitoring well network are from off-site sources and not from the former service station.

9. If Petitioner were to attempt to comply with the Order as directed to the former Texaco station, it would be under two distinct regulatory orders from the same agency for the same site. The LUST case is approaching closure. Nevertheless, premised on the same UST release that opened the LUST case, the Regional Board now demands Petitioner investigate not only the service station property, but others. Petitioner is faced with potentially conflicting, or at a minimum, duplicative orders for its former service station site.

10. The costs of submitting and implementing a work plan to investigate the overly broad and undefined area in the vicinity of, and including, the Dominguez Channel are presently incalculable, but given the apparent breadth of the Order could potentially total several millions of dollars or more. These costs are unjustified given the existing order for the site, and the data collected there to date. As a result, these costs should be deemed unnecessary when the State Board acts on the Petition, rendering the expenditure of money, time and resources to comply in the meantime a costly exercise in futility. However, if Petitioner declines to expend money, time and resources in an effort to produce a work plan for a site it already is investigating, it becomes exposed to significant daily penalties for non-compliance with the Order. If a stay is not granted, Petitioner therefore would be faced with a no-win scenario: expend substantial and unnecessary sums to prepare and implement an unnecessary work plan, or face substantial monetary penalties for failure to produce the work plan. A stay until a determination is made as to the cleanup

goals would solve this problem and save Petitioner from significant and substantial monetary harm.

I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Dated this 26th day of May, 2011, in Houston, Texas.

By Rob Speer

EXHIBIT 1

ARCADIS
Infrastructure, environment, buildings

ARCADIS
3160 Bristol Street
Suite 250
Costa Mesa
California 92626
Tel 714 444 0111
Fax 714 444 0117
www.arcadis-us.com

ENVIRONMENTAL

Mr. Jimmie Woo
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street
Suite 200
Los Angeles, California 90013

Subject:
Third and Fourth Quarters 2010 – Semi-Annual Monitoring Report Submittal

Date:
January 10, 2011

Dear Mr. Woo:

On behalf of Chevron Environmental Company (CEMC), ARCADIS is submitting the enclosed report for the following Chevron facility:

Contact:
Chris Ota

Phone:
714.755.7220

Email:
Chris.Ota@
arcadis-us.com

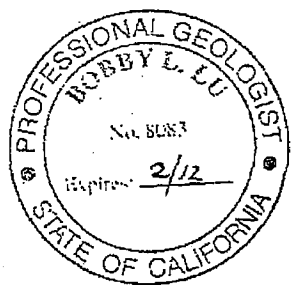
Chevron Facility No.	RWQCB Case No.	Location
21-1316	R-05994	1209 East Carson Street Carson, California

Our ref:
B0060901.1316

If you have any questions, please call me at 714.755.7220.

Sincerely,

ARCADIS



Christopher A. Ota
Project Scientist

Bobby Lu, P.G. 8083
Principal Environmental Scientist

Copies:
Mr. Rob Speer, Chevron EMC (STRATA)

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
SEMI-ANNUAL MONITORING REPORT
THIRD AND FOURTH QUARTERS 2010
JANUARY 10, 2011

Facility No.: 21-1316 Address: 1209 East Carson Street, Carson, California

Consulting Company/Contact Person/Phone No.: ARCADIS / Chris Ota / 714.755.7220

Primary Agency/Contact Person/Regulatory ID No.: California Regional Water Quality Control Board - Los Angeles Region / Jimmie Woo / Case No. R-05994

WORK PERFORMED DURING THIS REPORTING PERIOD (Third and Fourth Quarters – 2010) :

1. Blaine Tech Services, Inc. (BTS) conducted groundwater monitoring and purge sampling of well MW-9 on August 27, 2010, because well MW-9 was not sampled during the second quarter 2010 due to the presence of separate phase hydrocarbons (SPH). Neither measurable SPH nor sheen was observed during gauging; however, sheen was noted during purging the well. Field data sheets and waste disposal documentation for the third quarter event are included in **Attachment A.**

2. Blaine Tech Services, Inc. conducted semi-annual groundwater monitoring and sampling on December 2, 2010. No SPH was detected in MW-9 during gauging. However, during purging an odor and sheen were observed. Sixteen monitoring wells were gauged and sixteen sampled during this sampling event. Field data sheets are included in **Attachment A**; however, waste disposal documentation is currently not available for the fourth quarter and will be submitted with the next semi-annual monitoring report.

   Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), oil range organics (ORO), and extractable fuel hydrocarbons (EFH) according to Environmental Protection Agency (EPA) method 8015B. Groundwater samples were also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX, collectively), methyl tert-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl butyl ether (TAME), and tert-butanol (TBA) by EPA method 8260B. The site location map, the site plan, and the groundwater contour map are shown on **Figures 1** through **3**. Isoconcentration maps for TPH-g, TPH-d, ORO, EFH, benzene, and MTBE are shown on **Figures 4** through **9**. Current and historical groundwater data are in **Tables 1** and **2**. A copy of the laboratory analytical report and chain-of-custody documentation for both events are in **Attachment B.**

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (First and Second Quarters – 2010):

1. Perform groundwater monitoring and related reporting.
2. Submit the fourth quarter 2010 waste documentation.
3. Submit a Case Closure Request.

Current Phase of Project:	Groundwater Monitoring
Site Use:	Vince's Automotive Specialties
Frequency of Sampling:	Groundwater – Semi-Annual (2nd and 4th quarters)
Frequeucy of Monitoring:	Groundwater – Semi-Annual (2nd and 4th quarters)
Are Separate-Phase Hydrocarbons (SPH) Present On-Site:	Yes
Cumulative SPH Recovered to Date:	0.02 gallons
SPH Recovered This Period:	0.02 gallons
Bulk Soil Removed to Date:	Unknown
Bulk Soil Removed this Period:	None

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
SEMI-ANNUAL MONITORING REPORT
THIRD AND FOURTH QUARTERS 2010
JANUARY 10, 2011

Facility No.: 21-1316 Address: 1209 East Carson Street. Carson, California

Water Wells or Surface Waters within a 2000' Radius and Their Respective Directions:		Dominguez Channel		
Groundwater Use Designation:		N/A		
Current Remediation Techniques:		None		
Permits for Discharge (No.):		None		
Approximate Depth to Groundwater:		5.99 – 8.55 feet	Measured X	Estimated
Groundwater Gradient:	0.02 ft/ft	(Magnitude)	Southwest	(Direction)

DISCUSSION:

Groundwater conditions during this reporting period remained generally consistent with previous events. The maximum concentrations of TPH-g (35,000 micrograms per liter [µg/L]) and benzene (12,000 µg/L) were detected in the sample collected from well MW-1. The maximum concentration of MTBE (5.2 µg/L) was detected in the sample collected from well MW-13. Dissolved concentrations of TBA were not detected at or above laboratory detection limits in any of the samples collected.

CONCLUSIONS AND RECOMMENDATIONS:

Groundwater concentrations in the vicinity of well MW-1 are likely associated with an off-site source. Additionally, ARCADIS believes that an off-site source is responsible for the dissolved concentrations observed at the site because of the persistent high concentrations of TPH-d and ORO, which were never dispensed at the site and the recent occurrences of SPH sheen in MW-9. Therefore, ARCADIS plans to submit a request for closure based upon the sites low risk to human health and the environment.

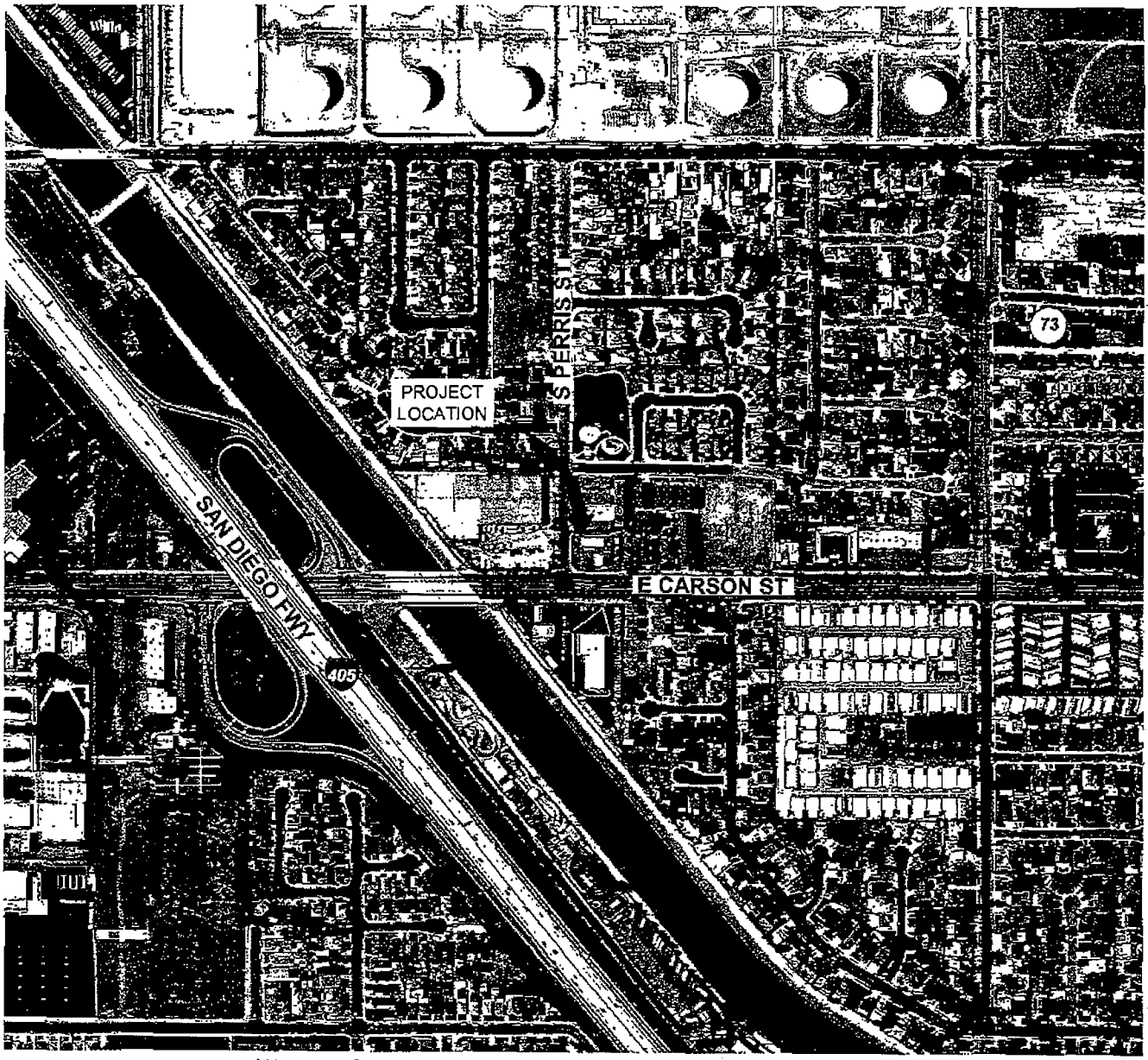
ATTACHMENTS:

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Groundwater Contour Map
Figure 4: TPH-g Isoconcentration Map
Figure 5: TPH-d Isoconcentration Map
Figure 6: ORO Isoconcentration Map
Figure 7: EFH Isoconcentration Map
Figure 8: Benzene Isoconcentration Map

Table 1: Current Groundwater Analyses and Gauging Results
Table 2: Historical Groundwater Analyses and Gauging Results

Attachment A: Field Data Sheets and Waste Disposal Documentation
Attachment B: Laboratory Report and Chain-of-Custody Documentation

Figures



MAP SOURCE: Google Earth Pro™ 2009, 33°49'55.19" N, 118°15'08.93" W

0 500' 1000'

GRAPHIC SCALE

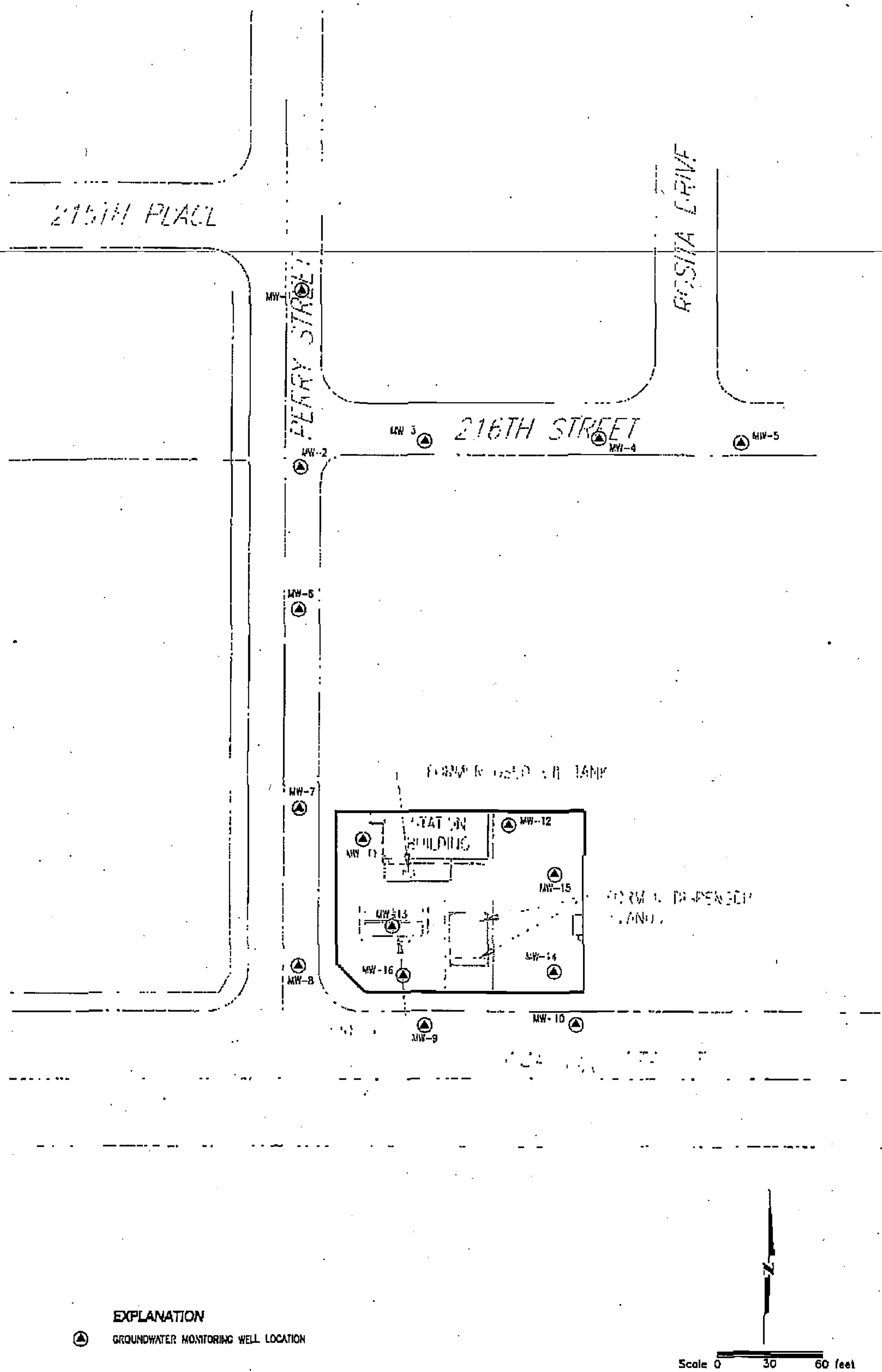
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

SITE LOCATION MAP

ARCADIS

FIGURE 1

CITY:(COSTA MESA) DIV/GROUP:(ENVCAD) DB:(ENVCAD) LD:(Opt) PIC:(Opt) PM:(PD) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
K:\Data\Chp\...\1316-001.dwg LAYOUT: 2 SAVED: 2/24/2010 8:57 AM ACADVER: 17.1S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: ACAD.CTB PLOTTED: 2/24/2010 9:56 AM BY: NURESAN, ELENA

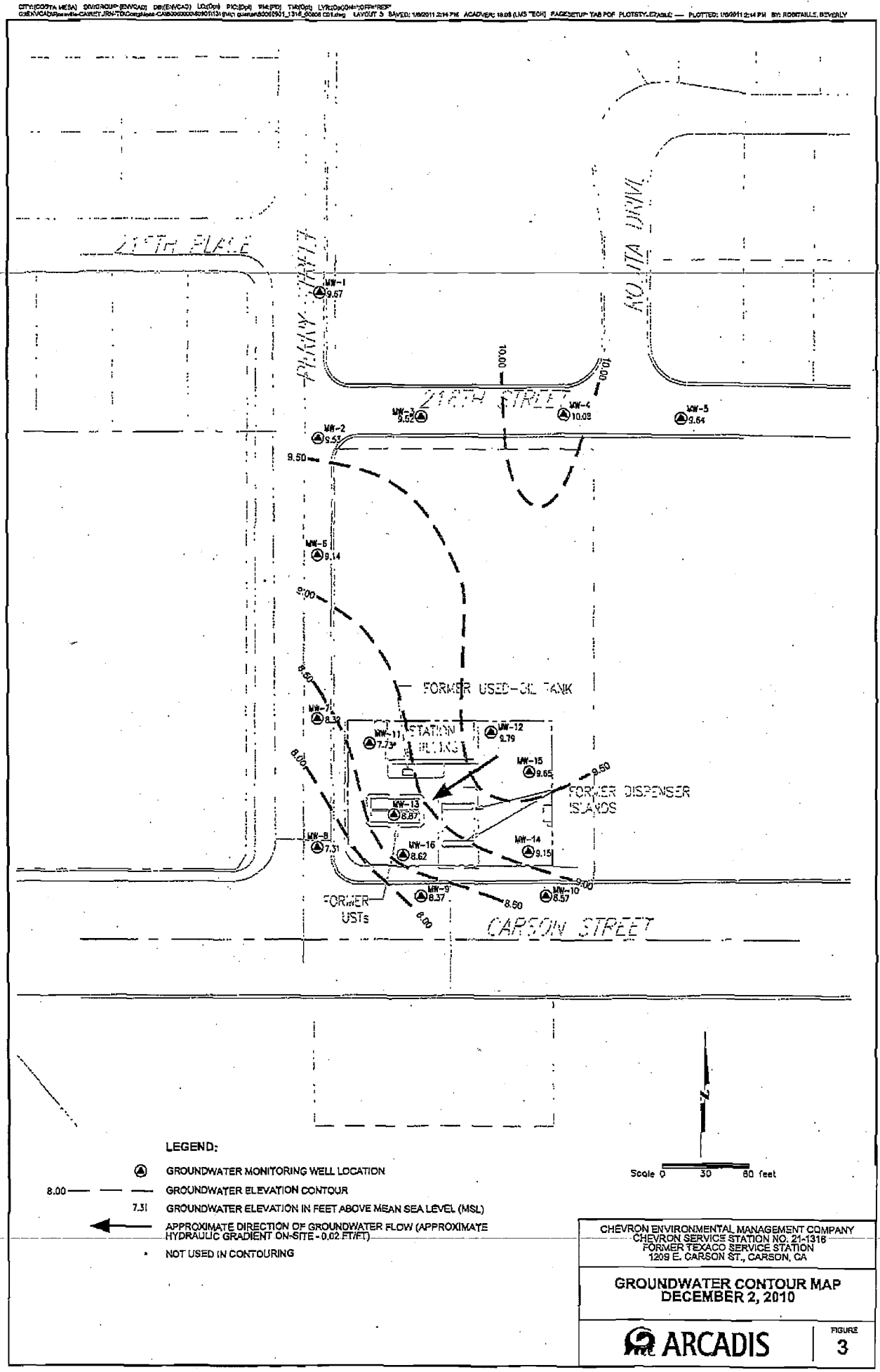


CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

SITE PLAN

ARCADIS

FIGURE 2

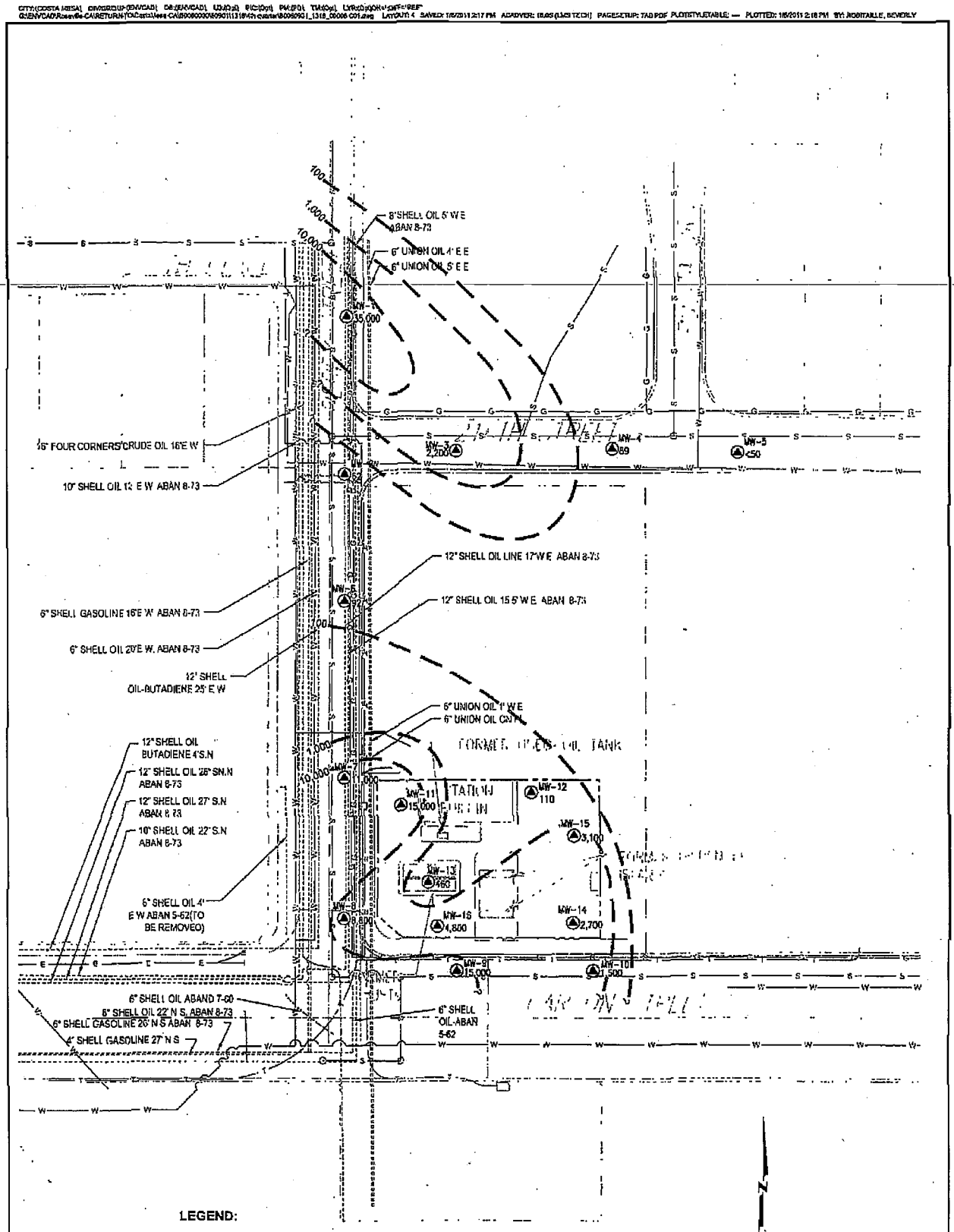


CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

GROUNDWATER CONTOUR MAP
DECEMBER 2, 2010

ARCADIS

FIGURE 3



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION
- 100 — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPH-g) ISOCONCENTRATION CONTOUR
- 82 TPH-g CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- <50 NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

PIPELINES

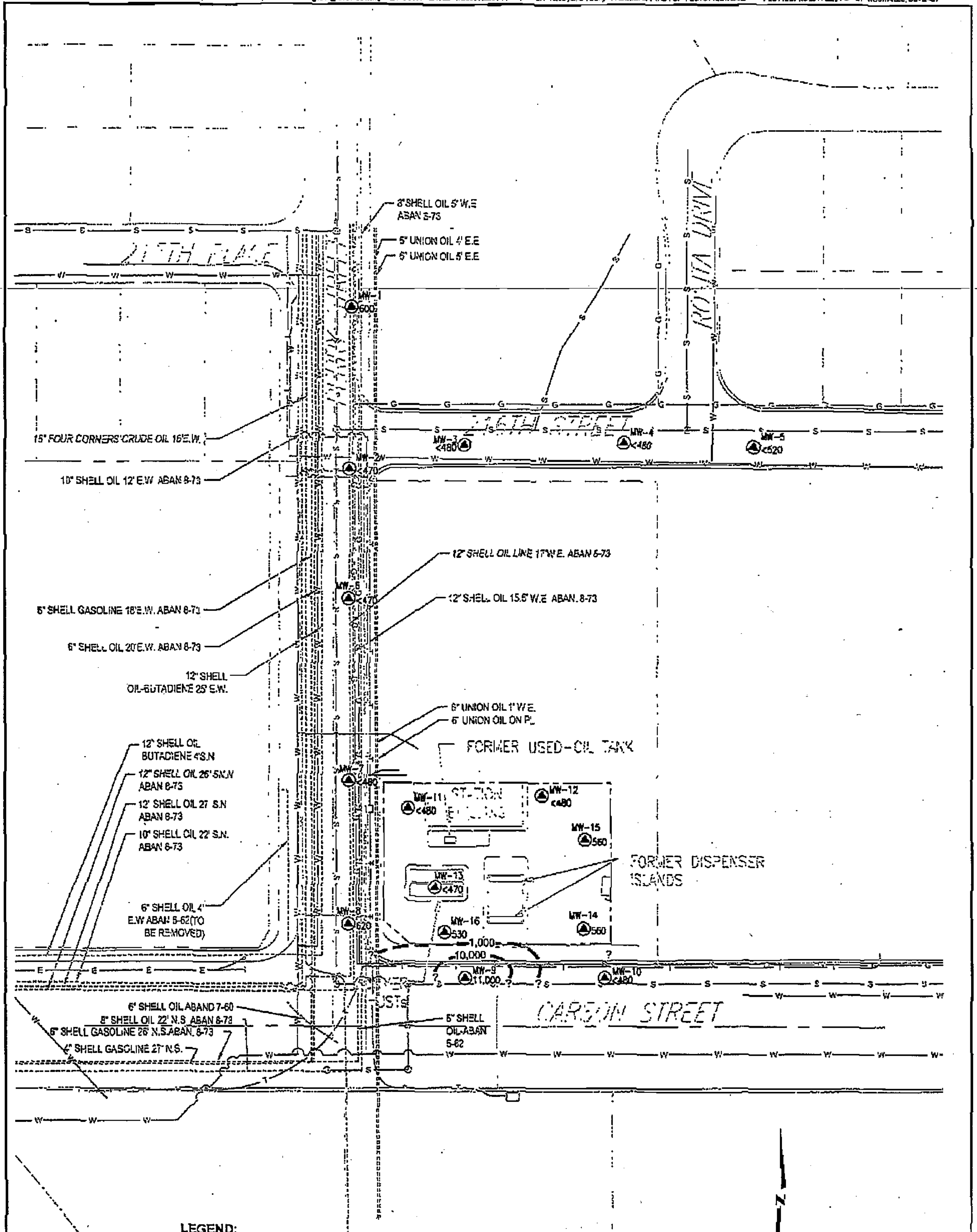
- OIL OR GASOLINE
- W — WATER
- G — GAS
- S — SEWER
- T — TELEPHONE
- E — ELECTRICAL

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

TPH-g ISOCONCENTRATION MAP DECEMBER 2, 2010

ARCADIS

FIGURE 4



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION
- 1,000 — TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPH-d) ISOCONCENTRATION CONTOUR
- 530 TPH-d CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- <480 *NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT*

PIPELINES

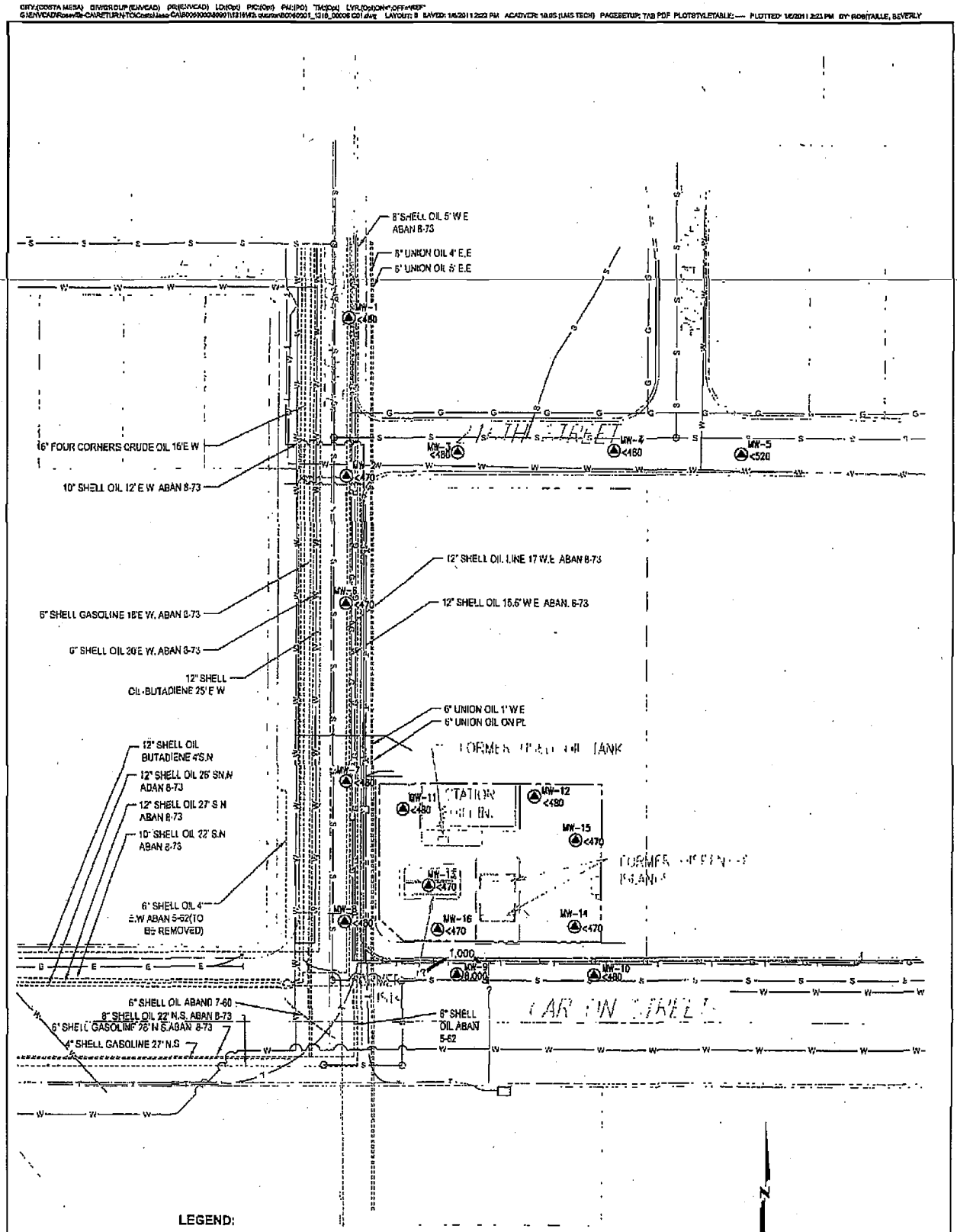
- OIL OR GASOLINE
- W WATER
- G GAS
- S SEWER
- T TELEPHONE
- E ELECTRICAL

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

TPH-d ISOCONCENTRATION MAP
DECEMBER 2, 2010

ARCADIS

FIGURE 5



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION
- 1,000 OIL RANGE ORGANICS (ORO) ISOCONCENTRATION CONTOUR
- 8,000 ORO CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- <480 NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

PIPELINES

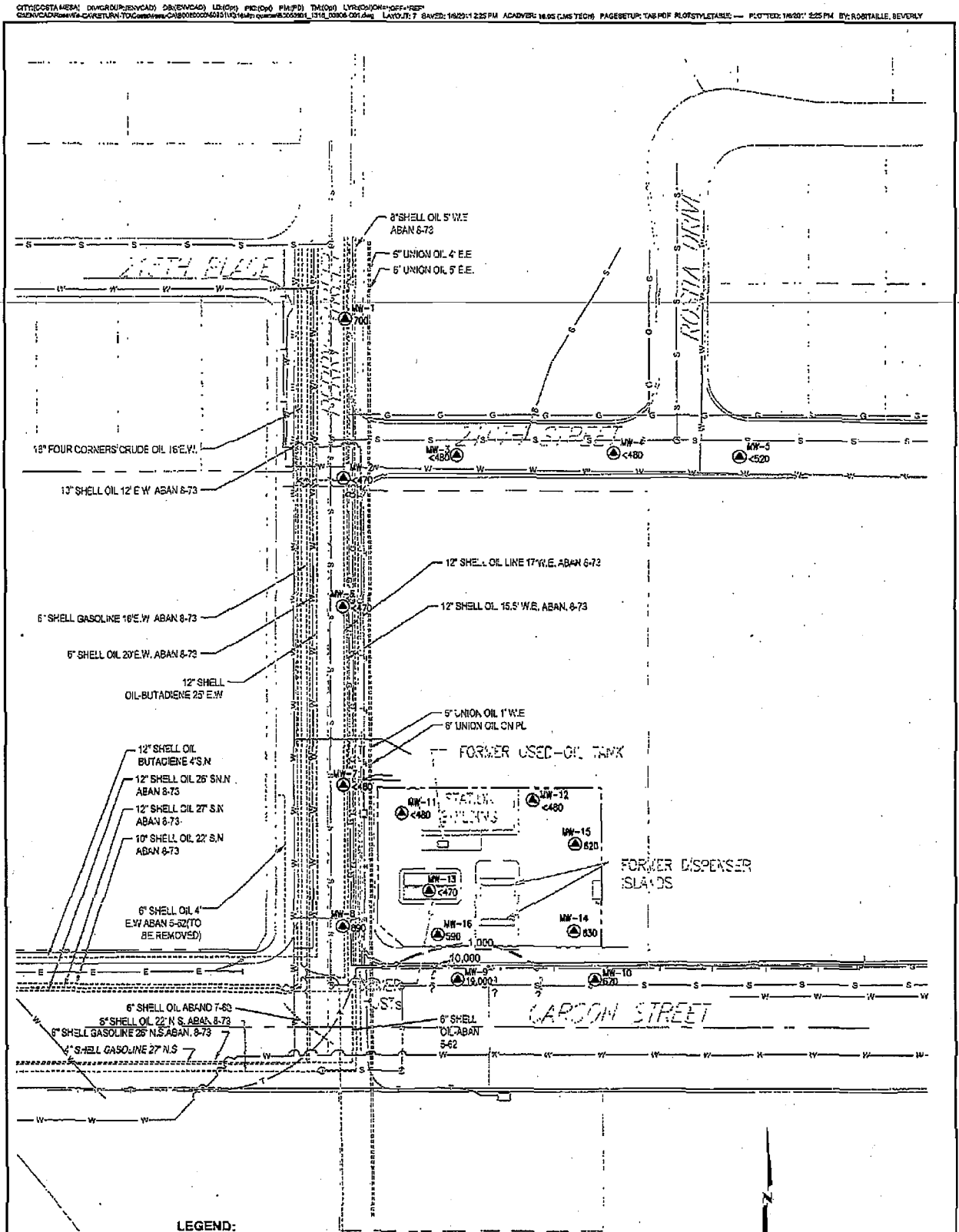
- OIL OR GASOLINE
- W WATER
- G GAS
- S SEWER
- T TELEPHONE
- E ELECTRICAL

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

ORO ISOCONCENTRATION MAP
DECEMBER 2, 2010

ARCADIS

FIGURE 6

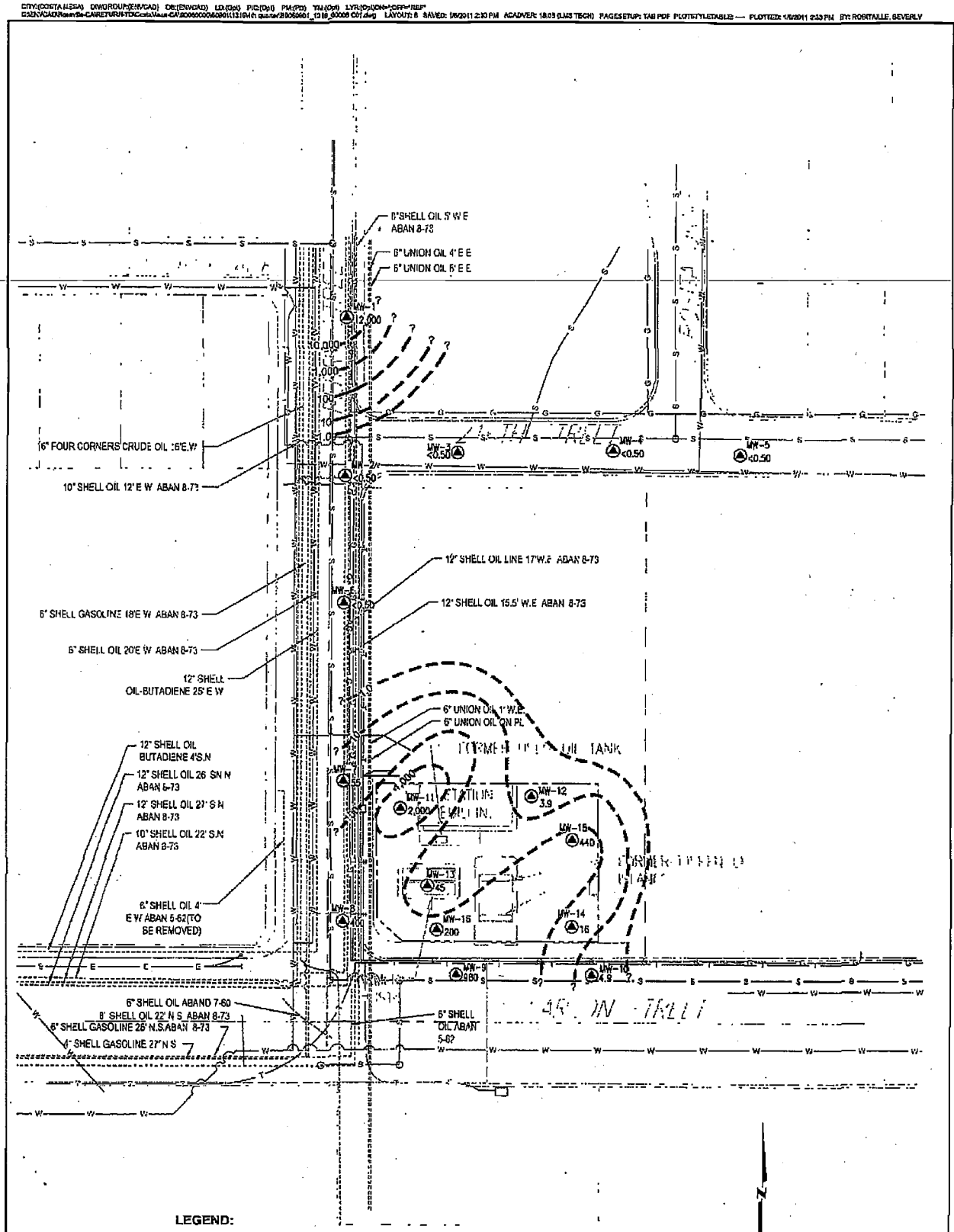


CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

EFH ISOCONCENTRATION MAP DECEMBER 2, 2010

ARCADIS

FIGURE 7



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION
- 1,000 BENZENE ISOCONCENTRATION CONTOUR
- 3.9 BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- <0.50 NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT

PIPELINES

- OIL OR GASOLINE
- W WATER
- G GAS
- S SEWER
- T TELEPHONE
- E ELECTRICAL

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
CHEVRON SERVICE STATION NO. 21-1316
FORMER TEXACO SERVICE STATION
1209 E. CARSON ST., CARSON, CA

BENZENE ISOCONCENTRATION MAP
DECEMBER 2, 2010

ARCADIS

FIGURE 8

Tables

Table 1. Current Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd C13-C22 (µg/L)	ORO C23-C40 (µg/L)	EFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-1	12/2/2010	5-25	15.67	6.00	0.00	9.67	25.02		35,000	600	ND<480	700	12,000	1,500	1,400	2,400	ND<25	ND<25	46	ND<25	ND<500	–
MW-2	12/2/2010	4-23	15.84	6.31	0.00	9.53	18.66		62	ND<470	ND<470	ND<470	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-3	12/2/2010	5-25	15.51	5.99	0.00	9.52	24.40		2,200	ND<480	ND<480	ND<480	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-4	12/2/2010	5-25	16.98	6.90	0.00	10.08	23.18		89	ND<480	ND<480	ND<480	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-5	12/2/2010	5-25	17.23	7.59	0.00	9.64	24.74		ND<50	ND<520	ND<520	ND<520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-6	12/2/2010	3-23	15.60	6.46	0.00	9.14	16.78		92	ND<470	ND<470	ND<470	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	0.57	ND<0.50	ND<10	–
MW-7	12/2/2010	4-24	15.58	7.26	0.00	8.32	17.75		11,000	ND<480	ND<480	ND<480	55	24	93	130	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-8	12/2/2010	5-25	15.26	7.95	0.00	7.31	24.24		8,800	620	ND<480	890	1,400	72	27	47	ND<5.0	ND<5.0	24	ND<5.0	ND<100	–
MW-9	8/27/2010	5-25	15.15	6.58	0.00	8.57	24.75		11,000	7,600	5,400	13,000	440	100	150	150	ND<2.5	ND<2.5	19	ND<2.5	ND<50	Sheen
MW-9	12/2/2010	5-25	15.15	6.80	0.00	8.35	24.70		15,000	11,000	8,000	19,000	980	190	300	230	ND<5.0	ND<5.0	37	ND<5.0	ND<100	Sheen
MW-10	12/2/2010	5-25	15.32	6.75	0.00	8.57	23.21		1,500	ND<480	ND<480	670	49	1.5	3.6	2.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-11	12/2/2010	6-30	16.28	8.55	0.00	7.73	29.34		15,000	ND<480	ND<480	ND<480	2,000	500	260	460	ND<25	ND<25	ND<25	ND<25	ND<500	–
MW-12	12/2/2010	8-28	16.97	7.18	0.00	9.79	28.02		110	ND<480	ND<480	ND<480	310	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-13	12/2/2010	8-28	16.28	7.41	0.00	8.87	27.00		460	ND<470	ND<470	ND<470	45	13	3.6	5.8	5.2	ND<0.50	1.3	ND<0.50	ND<10	–
MW-14	12/2/2010	5-30	16.15	7.00	0.00	9.15	27.00		2,700	560	ND<470	630	16	9.9	6.2	2.3	ND<0.50	ND<0.50	0.81	ND<0.50	ND<10	–
MW-15	12/2/2010	5-30	16.63	6.98	0.00	9.65	26.86		3,100	560	ND<470	620	440	160	19	51	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	–
MW-16	12/2/2010	5-30	16.12	7.50	0.00	8.62	29.03		4,800	530	ND<470	590	200	53	30	26	ND<2.5	ND<2.5	40	ND<2.5	ND<50	–
																						–
Trip Blank	8/27/2010	--	--	--	--	--	--		ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
Trip Blank	12/2/2010	--	--	--	--	--	--		ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–

Notes:
ft bgs = Feet below ground surface
TOC = Top of casing
ft MSL = Feet above mean sea level
GW = Groundwater
ft bTOC = Feet below top of casing
SPH = Separate phase hydrocarbons
DTB = Depth to bottom
ESL[1] = Environmental Screening Levels - San Francisco Bay Regional Water Quality Control Board (SFB-RWQCB). 2008. May
GWSL[2] = Groundwater Screening Level for Evaluation of Potential Vapor Intrusion Concerns (Table E-1 Commercial/Industrial Land Use)
GWSL[3] = Groundwater Screening Level for Evaluation of Potential Vapor Intrusion Concerns (Table E-1 Residential Use)
CA MCL[4] = California Maximum Contaminant Level - California Department of Public Health 2008
TPH-g = Total petroleum hydrocarbons as gasoline (carbon chain range C4-C12) analyzed by EPA Method 8015B
EPA = Environmental Protection Agency
µg/L = Micrograms per liter
TPH-d C13-C22 = Total petroleum hydrocarbons as diesel (carbon chain range C13-C22) analyzed by EPA Method 8015B
ORO C23-C40 = Oil Range Organics for carbon chain range C23-C40 analyzed by EPA Method 8015B
EFH C13-C40 = Extractable fuel hydrocarbons for carbon chain range C13-C40 analyzed by EPA Method 8015B
MTBE = Methyl tert-butyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tert-butyl ether analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
TAME = Tert-amyl methyl ether analyzed by EPA Method 8260B
TBA = Tert-butanol analyzed by EPA Method 8260B
ND<0.50 = Not detected at or above stated limit
-- Not measured or not applicable
J = Estimates value between method detection limit and reporting limit for reporting purposes
Benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX) analyzed by EPA Method 8260b unless noted
Colored shading indicates an exceedance of the stated ESL. Green = >CA MCL Orange = >GWSL

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	RFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					*1,800*	*530,000*	*170,000*	*160,000*	*80,000*					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
B-1	5/1997	--	--	--	--	--	--		38,000	35	--	--	2,600	--	--	--	ND[5]	--	--	--	--	--
HP-1	3/26/1997	--	18.30	9.93	0.00	8.37	--		8,300	--	--	--	650	270	140	180	ND[5]	--	--	--	--	--
HP-1	4/1/1997	--	18.30	--		--	--		19,000	--	--	--	2,500	790	200	500	ND<100[5]	--	--	--	--	--
HP-2	3/26/1997	--	18.03	13.02	0.00	5.01	--		11,000	--	--	--	1,200	90	130	170	ND[5]	--	--	--	--	--
HP-2	*4/1/1997*	--	*18.03*	--		--	--		11,000	--	--	--	1,200	99	120	240	ND<100[5]	--	--	--	--	--
HP-3	3/26/1997	--	18.04	13.55	0.00	4.49	--		31,000	--	--	--	5,100	1,000	600	1,200	ND[5]	--	--	--	--	--
HP-3	4/1/1997	--	18.04	--		--	--		38,000	--	--	--	3,700	420	1,700	1,400	ND<100[5]	--	--	--	--	--
MW-1	1/28/1998	5-25	15.67	5.85	0.00	9.82	--		73,000	20,100	--	--	9,900	12,000	1,600	5,800	930	--	--	--	--	--
MW-1	*4/10/1998*	*5-25*	*15.67*	*3.11*	*0.00*	*12.56*	--		*58,400*	*6,380*	--	--	*11,800*	*10,500*	*1,130*	*3,300*	--	--	--	--	--	--
MW-1	10/14/1999	5-25	15.67	9.55	0.00	6.12	--		17,000	5,200	--	--	4,600	2,100	650	660	--	--	--	--	--	--
MW-1	3/16/2004	5-25	15.67	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-1	6/23/2004	5-25	15.67	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well paved over
MW-1	9/14/2004	5-25	15.67	12.35	0.00	3.32	25.00		630	460	ND<250	590	6,300	2,000	670	1,800	ND<200	ND<200	ND<200	ND<200	ND<1,000	Odor
MW-1	11/5/2004	5-25	15.67	12.25	0.00	3.42	25.00		35,000	540	ND<250	570	14,000	6,900	1,500	5,200	ND<200	ND<200	320 J	ND<200	ND<1,000	Odor
MW-1	3/10/2005	5-25	15.67	4.07	0.00	*11.6*	*25.06*		*44,000*	*540*	*ND<250*	*600*	*9,000*	4,900	1,200	3,900	ND<100	ND<100	230 J	ND<100	ND<500	Odor
MW-1	6/8/2005	5-25	15.67	5.48	0.00	10.19	25.02		45,000	460	ND<250	480 J	13,000	5,700	1,200	3,900	ND<400	ND<400	ND<400	ND<400	ND<2,000	--
MW-1	9/21/2005	5-25	15.67	5.27	0.00	10.4	25.03		34,000	550	100 J	650	9,400	3,500	1,200	3,600	ND<80	ND<80	370	ND<80	ND<400	--
MW-1	12/15/2005	5-25	15.67	5.74	0.00	9.93	24.67		43,000	560	94 J	650	13,000	5,000	1,500	4,200	ND<32	ND<28	360 J	ND<33	ND<310	--
MW-1	3/8/2006	5-25	15.67	5.25	0.00	10.42	24.77		54,000	3,500	530	4,000	10,000	3,500	960	2,900	ND<10	ND<10	340	ND<10	ND<100	--
MW-1	6/21/2006	5-25	15.67	5.45	0.00	10.22	25.00		45,000	4,200	1,500 J	5,600	8,700	2,900	970	2,600	ND<5	ND<5	320	ND<5	ND<50	Sheen; odor
MW-1	9/13/2006	5-25	15.67	5.59	0.00	10.08	25.00		*57,000*	*3,300*	*1,100 J*	*4,300*	*12,000*	*3,000*	*950*	*2,900*	*ND<10*	*ND<10*	*270*	ND<10	*ND<100*	--
MW-1	12/1/2006	5-25	15.67	6.17	0.00	9.5	24.98		63,000	3,200	ND<1,900	3,200	12,000	3,100	1,000	3,400	ND<10	ND<10	290	ND<10	ND<100	Odor
MW-1	3/22/2007	5-25	15.67	7.06	0.00	8.61	24.91		36,000	2,500	ND<950	2,500	10,000	2,200	880	2,600	ND<10	ND<10	270	ND<10	ND<40	--
MW-1	6/7/2007	5-25	15.67	6.71	0.00	8.96	24.97		17,000	3,200	1,100 J	4,300	4,400	500	240	660	ND<5	ND<5	150	ND<5	ND<20	Odor
MW-1	9/13/2007	5-25	15.67	6.69	0.00	8.98	24.95		32,000	3,000	ND<950	3,000	9,100	1,800	780	2,400	ND<10	ND<10	160	ND<10	ND<40	--
MW-1	12/6/2007	5-25	15.67	6.91	0.00	8.76	24.90		9,500	2,900	ND<960	2,900	2,300	290	150	410	ND<3	ND<3	120	ND<3	17 J	--
MW-1	3/13/2008	5-25	15.67	5.77	0.00	9.9	25.04		17,000	3,400	1,400 J	4,700	3,400	440	200	640	ND<3	ND<3	120	ND<3	15 J	--
MW-1	5/8/2008	5-25	15.67	5.78	0.00	9.89	25.00		38,000	2,500	490 J	3,000	12,000	1,600	740	2,000	ND<10	13 J	97	ND<10	ND<40	--
MW-1	9/11/2008	5-25	15.67	6.00	0.00	9.67	25.02		32,000	2,900	570 J	3,400	13,000	2,100	1,100	2,800	ND<25	ND<25	120	ND<25	ND<100	--
MW-1	12/4/2008	5-25	15.67	6.88	0.00	8.79	24.99		47,000	3,100	300 J	3,400	11,000	1,800	1,000	2,600	ND<5	ND<5	81	ND<5	ND<20	Odor
MW-1	3/3/2009	5-25	15.67	5.47	0.00	10.20	25.05		46,000	3,300	570 J	3,900	11,000	1,800	1,000	2,200	ND<25	ND<25	78	ND<25	ND<100	--
MW-1	5/18/2009	5-25	15.67	5.73	0.00	9.94	24.98		59,000	3,300	480 J	3,800	12,000	1,600	990	2,100	ND<5	ND<5	72	ND<5	ND<20	--
MW-1	12/9/2009	5-25	15.67	7.18	0.00	8.49	25.06		11,000	3,000	1,200	4,200	2,100	170	77	270	ND<3	ND<3	38	ND<3	12 J	--
MW-1	6/3/2010	5-25	15.67	5.83	0.00	9.84	25.00		13,000	800	ND<480	1,200	5,900	620	440	1,200	ND<50	ND<50	ND<50	ND<50	ND<1000	Methane= 190 µg/L
MW-1	12/2/2010	5-25	15.67	6.00	0.00	9.67	25.02		35,000	600	ND<480	700	12,000	1,500	1,400	2,400	ND<25	ND<25	46	ND<25	ND<500	--
MW-2	1/28/1998	4-23	15.84	4.47	0.00	11.37	--		ND<100	500	--	--	1.2	ND<0.3	1.5	5.6	ND<30[5]	--	--	--	--	--
MW-2	4/10/1998	4-23	15.84	2.84	0.00	13	--		ND<100	500	--	--	ND<2	ND<2	ND<2	ND<2	--	--	--	--	--	--
MW-2	10/14/1999	4-23	15.84	7.75	0.00	8.09	--		250	1,400	--	--	1.2	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--	--
MW-2	6/25/2001	4-23	15.84	6.22	0.00	9.62	--		57	1,300	--	--	0.9	0.6	0.7	1.4	--	--	--	--	--	--
MW-2	3/16/2004	4-23	15.84	10.05	0.00	5.79	18.50		98 J	300 J	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-2	6/23/2004	4-23	15.84	11.50	0.00	4.34	18.42		180	250 J	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-2	9/14/2004	4-23	15.84	12.24	0.00	3.6	18.51		190	290	430	720	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-2	11/5/2004	4-23	15.84	11.45	0.00	4.39	18.52		210	270	ND<250	350 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-2	3/10/2005	4-23	15.84	3.59	0.00	12.25	18.38		ND<50	ND<250	320	420 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-2	6/8/2005	4-23	15.84	5.24	0.00	10.6	18.60		81 J	ND<250	ND<250	200 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--

Table 2, Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-2	9/21/2005	4-23	15.84	4.58	0.00	11.26	18.58		ND<50	150 J	280	430 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-2	12/15/2005	4-23	15.84	5.25	0.00	10.59	18.22		59 J	170 J	160 J	330 J	ND<0.28	ND<0.36	ND<0.25	ND<0.52	ND<0.32	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
MW-2	3/8/2006	4-23	15.84	4.57	0.00	11.27	18.54		92	300	580	870	ND<0.5	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	Odor
MW-2	6/21/2006	4-23	15.84	5.30	0.00	10.54	18.60		78	540	1,300 J	1,900	ND<0.5	ND<0.5	ND<0.5	0.9 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	Odor
MW-2	9/13/2006	4-23	15.84	5.29	0.00	10.55	18.60		34 J	300	810	1,100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-2	12/1/2006	4-23	15.84	6.02	0.00	9.82	18.53		27 J	380	820	1,200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	Odor
MW-2	3/22/2007	4-23	15.84	7.01	0.00	8.83	18.60		61	320	520 J	840	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-2	6/7/2007	4-23	15.84	6.28	0.00	9.56	18.53		52	330	940	1,300	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-2	9/13/2007	4-23	15.84	6.24	0.00	9.6	18.46		ND<20	130	570	700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-2	12/6/2007	4-23	15.84	6.81	0.00	9.03	18.45		ND<20	130 J	430 J	560	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-2	3/13/2008	4-23	15.84	5.37	0.00	10.47	18.46		44 J	330	880	1,200	NO<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	Odor
MW-2	5/8/2008	4-23	15.84	5.61	0.00	10.23	18.40		88	330	600	930	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-2	9/11/2008	4-23	15.84	5.87	0.00	9.97	18.56		60	270	450 J	710	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	Odor
MW-2	12/4/2008	4-23	15.84	6.81	0.00	9.03	18.57		68	220	420 J	640	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-2	3/3/2009	4-23	15.84	5.90	0.00	9.94	18.42		140	1,700	1,400	3,100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<2	--
MW-2	5/18/2009	4-23	15.84	5.75	0.00	10.09	18.40		80	250	550 J	790	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	Odor
MW-2	12/9/2009	4-23	15.84	6.83	0.00	9.01	18.65		120	510	1,500	2,000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-2	6/3/2010	4-23	15.84	5.66	0.00	10.18	18.51		68	ND<470	ND<470	480	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	Methane= 28 µg/L
MW-2	12/2/2010	4-23	15.84	6.31	0.00	9.53	18.66		62	ND<470	ND<470	ND<470	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--
MW-3	1/28/1998	5-25	15.51	5.27	0.00	10.24	--		3,200	1,400	--	--	410	18	16	33	ND<30[5]	--	--	--	--	--
MW-3	4/10/1998	5-25	15.51	2.83	0.00	12.68	--		980	2,300	--	--	40	ND<2	ND<2	8.3	--	--	--	--	--	--
MW-3	10/14/1999	5-25	15.51	9.30	0.00	6.21	--		350	430	--	--	70	0.5	1.4	3.3	--	--	--	--	--	--
MW-3	3/16/2004	5-25	15.51	10.82	0.00	4.69	24.60		360	390 J	--	--	44 J	ND<1	3.3 J	6.5 J	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-3	6/23/2004	5-25	15.51	12.15	0.00	3.36	24.59		480	310 J	--	--	38 J	ND<1	2.3 J	4.7 J	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-3	9/14/2004	5-25	15.51	12.79	0.00	2.72	24.33		180	ND<250	ND<250	ND<82	55 J	ND<1	2.0 J	4.4 J	ND<2	ND<2	2.4 J	ND<2	ND<10	--
MW-3	11/5/2004	5-25	15.51	12.36	0.00	3.15	24.35		280	ND<250	ND<250	220 J	50 J	ND<1	2.5 J	5.0	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-3	3/10/2005	5-25	15.51	2.90	0.00	12.61	24.35		520	ND<250	ND<250	310 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-3	6/8/2005	5-25	15.51	4.89	0.00	10.62	24.32		1,000	ND<250	ND<250	190 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-3	9/21/2005	5-25	15.51	4.07	0.00	11.44	24.37		1,000	200 J	ND<250	230 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-3	12/15/2005	5-25	15.51	4.56	0.00	10.95	24.36		1,000	240 J	ND<44	270 J	ND<0.28	ND<0.36	ND<0.25	ND<0.52	ND<0.32	ND<0.28	0.35 J	ND<0.33	ND<3.1	--
MW-3	3/8/2006	5-25	15.51	3.92	0.00	11.59	24.36		1,400	510	170 J	680	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-3	6/21/2006	5-25	15.51	4.57	0.00	10.94	24.40		1,000	540	250 J	800	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-3	9/13/2006	5-25	15.51	4.95	0.00	10.56	24.25		1,900	200	ND<190	200	ND<0.5	ND<0.5	1 J	0.6 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-3	12/1/2006	5-25	15.51	5.24	0.00	10.27	24.33		18,000	670	360 J	1,000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-3	3/22/2007	5-25	15.51	6.51	0.00	9	24.34		1,300	250	ND<190	250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-3	6/7/2007	5-25	15.51	5.81	0.00	9.7	24.28		340	350	ND<200	350	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4	ND<0.5	ND<2	Odor
MW-3	9/13/2007	5-25	15.51	5.72	0.00	9.79	24.31		1,100	320	370 J	680	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-3	12/6/2007	5-25	15.51	5.75	0.00	9.76	24.26		970	440	500 J	940	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<2	--
MW-3	3/13/2008	5-25	15.51	4.59	0.00	10.92	24.33		380	290	ND<190	290	ND<0.5	ND<0.5	0.7 J	0.6 J	ND<0.5	ND<0.5	4	ND<0.5	ND<2	--
MW-3	5/8/2008	5-25	15.51	5.05	0.00	10.46	24.30		300	240	ND<190	240	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<2	--
MW-3	9/11/2008	5-25	15.51	5.14	0.00	10.37	24.24		480	320	440 J	770	1	ND<0.5	0.6 J	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-3	12/4/2008	5-25	15.51	6.14	0.00	9.37	24.32		1,900	180	340 J	520	ND<0.5	ND<0.5	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-3	3/3/2009	5-25	15.51	5.12	0.00	10.39	24.40		320	360	490 J	850	0.7 J	ND<0.5	0.5 J	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-3	5/18/2009	5-25	15.51	5.13	0.00	10.38	24.35		1,200	380	690	1,100	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-3	12/9/2009	5-25	15.51	6.38	0.00	9.13	24.43		390	180	190 J	380	ND<0.5	ND<0.5	0.6 J	0.5 J	ND<0.5	ND<0.5	5	ND<0.5	ND<2	--
MW-3	6/3/2010	5-25	15.51	5.21	0.00	10.30	24.39		240	ND<470	ND<470	ND<470	0.52	ND<0.50	0.64	ND<1.0	ND<0.50	ND<0.50	1.9	ND<0.50	ND<10	Methane= 8.6 µg/L
MW-3	12/2/2010	5-25	15.51	5.99	0.00	9.52	24.40		2,200	ND<480	ND<480	ND<480	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--
MW-4	1/28/1998	5-25	16.98	6.55	0.00	10.43	--		3,800	500	--	--	50	ND<0.3	39	61	50[6]	--	--	--	--	--
MW-4	4/10/1998	5-25	16.98	3.22	0.00	13.76	--		3,130	700	--	--	42	14	ND<4	34	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSI.[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-4	10/15/1999	5-25	16.98	11.55	0.00	5.43	--		1,100	240	--	--	22	7.6	5.5	14	--	--	--	--	--	--
MW-4	3/16/2004	5-25	16.98	11.96	0.00	5.02	23.00		1,100	640	--	--	28	7.6	4.5 J	10	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-4	6/23/2004	5-25	16.98	13.20	0.00	3.78	22.90		960	640	--	--	23	5.3	3.2 J	7.7	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-4	9/14/2004	5-25	16.98	13.87	0.00	3.11	22.85		880	ND<250	ND<250	200 J	30	5.9	3.4 J	7.8	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-4	11/5/2004	5-25	16.98	13.40	0.00	3.58	23.13		860	ND<250	ND<250	120 J	31	7.0	5.5	12	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-4	3/10/2005	5-25	16.98	4.32	0.00	12.66	23.00		92 J	ND<250	ND<250	95 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-4	6/8/2005	5-25	16.98	5.57	0.00	11.41	22.94		ND<50	ND<250	ND<250	ND<82	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-4	9/21/2005	5-25	16.98	4.60	0.00	12.38	23.91		62 J	ND<250	ND<250	ND<500	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-4	12/15/2005	5-25	16.98	5.28	0.00	11.7	22.88		52 J	ND<43	ND<43	56 J	0.28 J	ND<0.36	ND<0.25	0.58 J	ND<0.32	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
MW-4	3/8/2006	5-25	16.98	4.60	0.00	12.38	22.89		65	ND<100	150 J	150 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-4	6/21/2006	5-25	16.98	4.89	0.00	12.09	22.99		27 J	170	380 J	550	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	Odor
MW-4	9/13/2006	5-25	16.98	5.66	0.00	11.32	22.75		190	110	270 J	380	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-4	12/1/2006	5-25	16.98	5.96	0.00	11.02	22.93		300	170	280 J	450	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-4	3/22/2007	5-25	16.98	7.20	0.00	9.78	23.35		230	100	ND<190	100	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-4	6/7/2007	5-25	16.98	6.82	0.00	10.16	22.91		780	270	ND<190	270	6	0.7 J	1	2	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<2	Odor
MW-4	9/13/2007	5-25	16.98	6.44	0.00	10.54	23.53		170	80 J	260 J	340	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-4	12/6/2007	5-25	16.98	6.53	0.00	10.45	23.50		880	260	300 J	560	6	0.7 J	2	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-4	3/13/2008	5-25	16.98	5.31	0.00	11.67	23.46		520	220	220 J	430	1	ND<0.5	0.7 J	0.6 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	Odor
MW-4	5/8/2008	5-25	16.98	5.80	0.00	11.18	23.04		930	170	ND<190	170	6	0.8 J	2	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-4	9/11/2008	5-25	16.98	6.01	0.00	10.97	22.89		180	160	430 J	600	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-4	12/4/2008	5-25	16.98	6.75	0.00	10.23	23.32		160	88 J	350 J	440	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-4	3/3/2009	5-25	16.98	5.84	0.00	11.14	23.15		230	170	390 J	560	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	Odor
MW-4	5/18/2009	5-25	16.98	6.06	0.00	10.92	23.20		120	130	560 J	690	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-4	12/9/2009	5-25	16.98	7.06	0.00	9.92	23.07		1,200	310	310 J	620	35	0.8 J	2	3	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<2	--
MW-4	6/3/2010	5-25	16.98	5.79	0.00	11.19	23.31		250	ND<470	ND<470	ND<470	ND<0.50	ND<0.50	0.52	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	Methane- 200 µg/L
MW-4	12/2/2010	5-25	16.98	6.90	0.00	10.08	23.18		89	ND<480	ND<480	ND<480	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--
MW-5	1/29/1998	5-25	17.23	8.78	0.00	8.45	--		850	ND<500	--	--	16	4.5	9.9	23	ND<30[5]	--	--	--	--	--
MW-5	4/10/1998	5-25	17.23	4.40	0.00	12.83	--		ND<100	ND<500	--	--	ND<2	ND<2	ND<2	ND<2	--	--	--	--	--	--
MW-5	10/15/1999	5-25	17.23	12.45	0.00	4.78	--		100	ND<100	--	--	11	0.8	3.3	1.5	--	--	--	--	--	--
MW-5	6/25/2001	5-25	17.23	9.75	0.00	7.48	--		ND<50	220	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--	--	--
MW-5	3/16/2004	5-25	17.23	12.61	0.00	4.62	24.87		ND<50	ND<82	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-5	6/23/2004	5-25	17.23	14.75	0.00	2.48	24.79		ND<50	ND<82	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-5	9/14/2004	5-25	17.23	15.45	0.00	1.78	24.77		ND<50	ND<250	940	950	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-5	11/5/2004	5-25	17.23	13.05	0.00	4.18	24.80		ND<50	ND<250	ND<250	ND<82	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-5	3/10/2005	5-25	17.23	5.73	0.00	11.5	24.75		ND<50	ND<250	ND<250	ND<82	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-5	6/8/2005	5-25	17.23	5.96	0.00	11.27	24.77		ND<50	ND<250	ND<250	220 J	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-5	9/21/2005	5-25	17.23	5.74	0.00	11.49	24.78		ND<50	ND<250	ND<250	ND<500	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-5	12/15/2005	5-25	17.23	6.11	0.00	11.12	24.72		ND<50	ND<43	ND<43	44 J	ND<0.28	ND<0.36	ND<0.25	ND<0.52	ND<0.32	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
MW-5	3/8/2006	5-25	17.23	5.78	0.00	11.45	24.78		ND<20	ND<100	130 J	130 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-5	6/21/2006	5-25	17.23	5.73	0.00	11.5	24.80		ND<20	98	320 J	420	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-5	9/13/2006	5-25	17.23	6.55	0.00	10.68	24.72		ND<20	83 J	ND<190	83 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-5	12/1/2006	5-25	17.23	7.19	0.00	10.04	24.79		ND<20	54 J	ND<190	54 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
MW-5	3/22/2007	5-25	17.23	8.26	0.00	8.97	24.75		ND<20	58 J	ND<190	58 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-5	6/7/2007	5-25	17.23	8.23	0.00	9	24.69		ND<20	73 J	340 J	420	0.6 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-5	9/13/2007	5-25	17.23	7.82	0.00	9.41	24.70		ND<20	ND<47	210 J	210	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-5	12/6/2007	5-25	17.23	7.42	0.00	9.81	24.70		ND<20	74 J	240 J	310	0.9 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-5	3/13/2008	5-25	17.23	6.15	0.00	11.08	24.67		ND<20	87 J	320 J	400	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-5	5/8/2008	5-25	17.23	6.75	0.00	10.48	24.62		ND<20	50 J	ND<200	50 J	0.8 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-5	9/11/2008	5-25	17.23	6.94	0.00	10.29	24.76		ND<20	92 J	440 J	530	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-5	12/4/2008	5-25	17.23	7.50	0.00	9.73	24.77		ND<20	ND<47	220 J	220	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-5	3/3/2009	5-25	17.23	6.87	0.00	10.36	24.78		ND<20	94 J	350 J	450	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	–
MW-5	5/18/2009	5-25	17.23	7.32	0.00	9.91	24.75		ND<20	88 J	500 J	590	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	–
MW-5	12/9/2009	5-25	17.23	7.86	0.00	9.37	24.79		60	70 J	270 J	340	ND<0.5	ND<0.5	0.5 J	0.5 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	–
MW-5	6/3/2010	5-25	17.23	6.34	0.00	10.89	24.71		ND<50	ND<470	ND<470	ND<470	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	Methane= 10 µg/L
MW-5	12/2/2010	5-25	17.23	7.59	0.00	9.64	24.74		ND<50	ND<520	ND<520	ND<520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–
MW-6	1/27/1998	3-23	15.60	4.21	0.00	11.39	–		410	500	–	–	ND<0.3	ND<0.3	ND<0.3	8.1	ND<30[5]	–	–	–	–	–
MW-6	4/10/1998	3-23	15.60	2.82	0.00	12.78	–		210	ND<500	–	–	ND<2	ND<2	ND<2	ND<2	–	–	–	–	–	–
MW-6	10/14/1999	3-23	15.60	7.50	0.00	8.1	–		86	2,100	–	–	220	ND<0.5	ND<0.5	1.0	–	–	–	–	–	–
MW-6	3/16/2004	3-23	15.60	9.39	0.00	6.21	16.52		150	1,300	–	–	ND<1	ND<1	ND<1	1.2 J	ND<2	ND<2	3.8 J	ND<2	ND<10	–
MW-6	6/23/2004	3-23	15.60	10.75	0.00	4.85	16.61		190	780	–	–	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	4.4 J	ND<2	ND<10	–
MW-6	9/14/2004	3-23	15.60	11.57	0.00	4.03	16.60		240	850	310	1,200	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	5.3	ND<2	ND<10	Odor
MW-6	11/5/2004	3-23	15.60	11.14	0.00	4.46	16.62		120	710	ND<250	910	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	4.0 J	ND<2	ND<10	–
MW-6	3/10/2005	3-23	15.60	4.26	0.00	11.34	16.56		150	430	ND<250	540	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	2.2 J	ND<2	ND<10	–
MW-6	6/8/2005	3-23	15.60	5.02	0.00	10.58	16.64		160	510	ND<250	700	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	2.0 J	ND<2	ND<10	–
MW-6	9/21/2005	3-23	15.60	5.34	0.00	10.26	16.64		230	530	340	860	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	–
MW-6	12/15/2005	3-23	15.60	5.45	0.00	10.15	16.37		130	450	84 J	540	ND<0.28	ND<0.36	ND<0.25	ND<0.52	ND<0.32	ND<0.28	1.2 J	ND<0.33	ND<3.1	–
MW-6	3/8/2006	3-23	15.60	4.45	0.00	11.15	16.60		180	1,700	970	2,600	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1 J	ND<0.5	ND<5	–
MW-6	6/21/2006	3-23	15.60	5.30	0.00	10.3	16.71		120	2,500	1,700 J	4,200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1 J	ND<0.5	ND<5	–
MW-6	9/13/2006	3-23	15.60	5.90	0.00	9.7	16.75		190	1,600	1,100 J	2,600	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.8 J	ND<0.5	ND<5	Odor
MW-6	12/1/2006	3-23	15.60	6.33	0.00	9.27	16.70		190	1,900	1,600	3,400	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.8 J	ND<0.5	ND<5	–
MW-6	3/22/2007	3-23	15.60	7.13	0.00	8.47	16.72		160	1,400	ND<950	1,400	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1	ND<0.5	ND<2	–
MW-6	6/7/2007	3-23	15.60	7.20	0.00	8.4	16.71		180	1,800	1,500 J	3,300	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1	ND<0.5	ND<2	–
MW-6	9/13/2007	3-23	15.60	7.11	0.00	8.49	16.76		150	1,500	1,100 J	2,600	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<2	–
MW-6	12/6/2007	3-23	15.60	7.08	0.00	8.52	16.75		170	2,100	1,800	3,900	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<2	–
MW-6	3/13/2008	3-23	15.60	5.58	0.00	10.02	16.68		180	1,300	1,300	2,600	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<2	–
MW-6	5/8/2008	3-23	15.60	6.05	0.00	9.55	16.73		170	1,200	ND<960	1,200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1 J	ND<0.5	ND<2	–
MW-6	9/11/2008	3-23	15.60	6.48	0.00	9.12	16.72		140	1,800	1,400	3,200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.8 J	ND<0.5	ND<2	–
MW-6	12/4/2008	3-23	15.60	7.11	0.00	8.49	16.73		150	1,500	1,300	2,800	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<2	–
MW-6	3/3/2009	3-23	15.60	5.97	0.00	9.63	16.75		42 J	270	420 J	700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	Odor
MW-6	5/18/2009	3-23	15.60	6.36	0.00	9.24	16.71		180	1,900	1,900	3,700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.8 J	ND<0.5	ND<2	–
MW-6	12/9/2009	3-23	15.60	7.24	0.00	8.36	16.85		140	2,500	3,300	5,800	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.5 J	ND<0.5	ND<2	–
MW-6	6/3/2010	3-23	15.60	5.90	0.00	9.70	16.72		84	840	720	1600	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	Methane= 4,800 µg/L
MW-6	12/2/2010	3-23	15.60	6.46	0.00	9.14	16.78		92	ND<470	ND<470	ND<470	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	0.57	ND<0.50	ND<10	–
MW-7	1/27/1998	4-24	15.58	6.36	0.00	9.22	–		ND<3,000	2,400	–	–	2,700	200	180	240	ND<800[5]	–	–	–	–	–
MW-7	4/10/1998	4-24	15.58	5.33	0.00	10.25	–		26,800	6,200	–	–	3,470	153	233	274	–	–	–	–	–	–
MW-7	10/14/1999	4-24	15.58	8.30	0.00	7.28	–		8,900	1,300	–	–	2,200	110	210	260	–	–	–	–	–	–
MW-7	6/25/2001	4-24	15.58	6.50	0.00	9.08	–		4,300	900	–	–	690	27	41	23	–	–	–	–	–	–
MW-7	3/16/2004	4-24	15.58	8.00	0.00	7.58	17.68		13,000	2,800	–	–	1300	130	220	220	ND<40	ND<40	ND<40	ND<40	ND<200	Odor
MW-7	6/23/2004	4-24	15.58	9.54	0.00	6.04	17.64		16,000	2,300	–	–	15200	120	190	200	ND<40	ND<40	ND<40	ND<40	ND<200	–
MW-7	9/14/2004	4-24	15.58	9.82	0.00	5.76	17.63		7,000	280	ND<250	330 J	14100	140	260	260	ND<40	ND<40	ND<40	ND<40	ND<200	Odor
MW-7	11/5/2004	4-24	15.58	9.03	0.00	6.55	17.70		9,600	280	ND<250	290 J	750	110	210	210	ND<40	ND<40	ND<40	ND<40	ND<200	–
MW-7	3/10/2005	4-24	15.58	6.19	0.00	9.39	17.49		9,800	ND<250	ND<250	140 J	650	120	230	310	ND<20	ND<20	ND<20	ND<20	ND<100	–
MW-7	6/8/2005	4-24	15.58	6.64	0.00	8.94	17.64		14,000	290	ND<250	300 J	1200	85	190	210	ND<20	ND<20	ND<20	ND<20	ND<100	–
MW-7	9/21/2005	4-24	15.58	7.05	0.00	8.53	17.68		11,000	320	350	670	280	71	160	180	ND<10	ND<10	ND<10	ND<10	ND<50	–
MW-7	12/15/2005	4-24	15.58	7.28	0.00	8.3	17.40		12,000	160 J	ND<42	170 J	330	85	200	220	ND<3.2	ND<2.8	ND<2.5	ND<3.3	ND<31	–
MW-7	3/8/2006	4-24	15.58	6.75	0.00	8.83	17.62		13,000	760	300	1,100	210	69	170	190	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<5	–
MW-7	6/21/2006	4-24	15.58	6.85	0.00	8.73	17.68		13,000	990	ND<950	990	210	70	170	190	ND<0.5	ND<0.5	0.9 J	ND<0.5	ND<5	Sheen; odor
MW-7	9/13/2006	4-24	15.58	7.19	0.00	8.39	17.61		15,000	1,000	400 J	1,400	200	73	160	220	ND<0.5	ND<0.5	1 J	ND<0.5	ND<5	–
MW-7	12/1/2006	4-24	15.58	7.93	0.00	7.65	17.63		19,000	1,800	380 J	1,400	170	69	180	200	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<5	–

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EHH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-7	3/22/2007	4-24	15.58	8.50	0.00	7.08	17.63		11,000	810	260 J	1,100	160	64	170	180	ND<0.5	ND<0.5	0.6 J	ND<0.5	6	--
MW-7	6/7/2007	4-24	15.58	8.64	0.00	6.94	17.61		12,000	670	ND<960	670	150	55	140	160	ND<0.5	ND<0.5	0.7 J	ND<0.5	2 J	Odor
MW-7	9/13/2007	4-24	15.58	8.68	0.00	6.9	17.61		9,000	840	450 J	1,300	140	46	140	130	ND<0.5	ND<0.5	0.6 J	ND<0.5	3 J	--
MW-7	12/6/2007	4-24	15.58	8.57	0.00	7.01	17.60		15,000	1,400	780 J	2,200	140	45	130	130	ND<0.5	ND<0.5	0.7 J	ND<0.5	3 J	--
MW-7	3/13/2008	4-24	15.58	8.00	0.00	7.58	17.68		11,000	860	730 J	1,600	110	37	120	110	ND<0.5	ND<0.5	0.7 J	ND<0.5	ND<2	--
MW-7	5/8/2008	4-24	15.58	7.84	0.00	7.74	17.50		11,000	590	250 J	840	110	41	120	130	ND<1	ND<1	ND<1	ND<1	ND<4	--
MW-7	9/11/2008	4-24	15.58	7.94	0.00	7.64	17.66		*13,000*	*710*	*410 J*	*1,100*	100	43	*130*	*160*	*ND<3*	*ND<3*	*ND<3*	*ND<3*	*ND<10*	--
MW-7	12/4/2008	4-24	15.58	8.37	0.00	7.21	17.69		14,000	570	ND<190	570	89	40	130	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	Odor/Sheen
MW-7	3/3/2009	4-24	15.58	8.00	0.00	7.58	17.78		12,000	940	1,300	2,300	90	31	110	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-7	5/18/2009	4-24	15.58	7.98	0.00	7.60	17.68		15,000	530	530 J	1,100	87	35	110	130	ND<1	ND<1	ND<1	ND<1	ND<4	--
MW-7	12/9/2009	4-24	15.58	7.97	0.00	7.61	17.79		16,000	840	670	1,500	70	28	99	140	ND<1	ND<1	ND<1	ND<1	ND<4	--
MW-7	6/3/2010	4-24	15.58	7.20	0.00	8.38	17.74		12,000	ND<470	ND<470	570	62	27	110	150	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<20	Methane= 200 µg/L
MW-7	12/2/2010	4-24	15.58	7.26	0.00	8.32	17.75		11,000	ND<480	ND<480	ND<480	55	24	93	130	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--
MW-8	1/27/1998	5-25	15.26	6.77	0.00	8.49	--		1,300	3,900	--	--	1200	1700	150	120	310	--	--	--	--	--
MW-8	4/10/1998	5-25	15.26	5.18	0.00	10.08	--		19,100	6,500	--	--	734	141	114	77	--	--	--	--	--	--
MW-8	10/14/1999	5-25	15.26	7.85	0.00	7.41	--		6,800	1,300	--	--	420	93	94	95	--	--	--	--	--	--
MW-8	3/16/2004	5-25	15.26	8.96	0.00	6.3	23.83		6,900	2,400	--	--	540	92	68	67	24 J	ND<20	ND<20	ND<20	ND<100	Odor
MW-8	6/23/2004	5-25	15.26	10.32	0.00	4.94	23.99		13,000	1,700	--	--	710	110	120	83	28 J	ND<20	ND<20	ND<20	ND<100	--
MW-8	9/14/2004	5-25	15.26	10.69	0.00	4.57	23.99		7,600	ND<250	ND<250	250 J	1200	150	170	110	28 J	ND<20	29 J	ND<20	ND<100	Odor
MW-8	11/5/2004	5-25	15.26	10.40	0.00	4.86	24.05		7,500	ND<250	ND<250	150 J	810	120	88	81	22 J	ND<20	ND<20	ND<20	ND<100	Odor
MW-8	3/10/2005	5-25	15.26	6.63	0.00	8.63	24.00		8,200	ND<250	ND<250	91 J	800	120	73	96	26 J	ND<20	ND<20	ND<20	ND<100	--
MW-8	*6/8/2005*	*5-25*	*15.26*	*7.10*	*0.00*	*8.16*	*24.02*		*18,000*	*ND<250*	*ND<250*	*200 J*	550	92	*59*	*64*	*ND<20*	*ND<20*	*ND<20*	*ND<20*	*ND<100*	--
MW-8	9/21/2005	5-25	15.26	7.66	0.00	7.6	24.08		13,000	310	200 J	510	540	110	73	78	20 J	ND<20	ND<20	ND<20	ND<100	--
MW-8	12/15/2005	5-25	15.26	7.86	0.00	7.4	23.85		10,000	180 J	ND<42	200 J	760	130	76	83	16 J	ND<1.4	17 J	ND<1.6	ND<16	--
MW-8	3/8/2006	5-25	15.26	7.48	0.00	7.78	23.83		14,000	880	460	1,300	600	87	76	63	13 J	ND<3	18 J	ND<3	ND<25	--
MW-8	6/21/2006	5-25	15.26	7.50	0.00	7.76	24.00		11,000	1,100	1,100 J	2,300	690	93	52	62	15	ND<0.5	19	ND<0.5	8 J	Sheen; odor
MW-8	9/13/2006	5-25	15.26	7.98	0.00	7.28	24.14		14,000	1,200	780 J	2,000	590	87	49	60	12	ND<1	21	ND<1	ND<10	Odor
MW-8	12/1/2006	5-25	15.26	8.74	0.00	6.52	23.98		14,000	1,600	960	2,500	780	110	77	81	10	ND<0.5	30	ND<0.5	7 J	Odor
MW-8	3/22/2007	5-25	15.26	9.45	0.00	5.81	24.10		8,800	1,200	670 J	1,900	1,000	120	110	86	8	ND<1	36	ND<1	23	--
MW-8	6/7/2007	5-25	15.26	9.71	0.00	5.55	24.13		12,000	1,400	890 J	2,300	1400	130	130	95	8	ND<3	41	ND<3	12 J	Odor/ Sheen
MW-8	9/13/2007	5-25	15.26	9.61	0.00	5.65	24.11		14,000	1,300	930	2,200	1000	100	89	77	6	ND<3	28	ND<3	13 J	--
MW-8	12/6/2007	5-25	15.26	9.83	0.00	5.43	24.17		11,000	1,700	1,100 J	2,800	1,300	120	110	83	7	ND<1	40	ND<1	12 J	--
MW-8	3/13/2008	5-25	15.26	8.40	0.00	6.86	24.17		15,000	1,900	1,700	3,700	940	160	180	100	8	ND<3	46	ND<3	15 J	--
MW-8	5/8/2008	5-25	15.26	8.38	0.00	6.88	23.95		14,000	1,000	420 J	1,400	910	94	72	67	6	ND<2	33	ND<2	17 J	Odor
MW-8	9/11/2008	5-25	15.26	8.77	0.00	6.49	24.23		11,000	1,200	910	2,100	1400	97	62	70	7	ND<1	36	ND<1	10 J	--
MW-8	12/4/2008	5-25	15.26	9.05	0.00	6.21	24.18		13,000	1,200	610	1,800	1100	87	52	58	6	ND<1	26	ND<1	12	Odor
MW-8	3/3/2009	5-25	15.26	8.05	0.00	7.21	24.38		14,000	1,300	520 J	1,800	920	100	48	62	6	ND<0.5	30	0.6 J	6	Odor/Sheen
MW-8	*5/18/2009*	*5-25*	*15.26*	*8.06*	*0.00*	*7.20*	*24.19*		*12,000*	*1,500*	*1,200*	*2,700*	790	77	29	*49*	*6*	*ND<1*	25	*ND<1*	9 J	Odor
MW-8	12/9/2009	5-25	15.26	8.81	0.00	6.45	24.23		9,800	1,300	1,100	2,400	900	95	68	63	4	ND<1	25	ND<1	10	--
MW-8	6/3/2010	5-25	15.26	7.28	0.00	7.98	24.25		11,000	1,600	1,100	2,700	610	120	110	89	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	Methane= 5,100 µg/L
MW-8	12/2/2010	5-25	15.26	7.95	0.00	7.31	24.24		8,800	620	ND<480	890	400	72	27	47	ND<5.0	ND<5.0	24	ND<5.0	ND<100	--
MW-9	1/29/1998	5-25	15.15	8.79	0.00	6.36	--		96,000	1,950,000	--	--	17,000	4200	1400	3,900	ND<3,000	--	--	--	--	--
MW-9	4/10/1998	5-25	15.15	5.62	0.00	9.53	--		31,000	16,100	--	--	2,690	1,040	465	1,450	--	--	--	--	--	--
MW-9	10/14/1999	5-25	15.15	9.20	0.00	5.95	--		370,000	3,300	--	--	3,400	1200	1700	3,700	--	--	--	--	--	--
MW-9	6/25/2001	5-25	15.15	8.51	0.00	6.64	--		17,000	4,800	--	--	2,800	200	230	490	--	--	--	--	--	--
MW-9	3/16/2004	5-25	15.15	8.10	0.00	7.05	24.69		9,100	31,000	--	--	750	79	140	150	ND<20	ND<20	44 J	ND<20	ND<100	Sheen; odor
MW-9	6/23/2004	5-25	15.15	9.19	0.00	5.96	24.70		31,000	25,000	--	--	1,300	200	250	320	ND<20	ND<20	64	ND<20	ND<100	Sheen; odor
MW-9	9/14/2004	5-25	15.15	9.08	0.00	6.07	24.70		33,000	11,000	6,400	17,000	1,200	230	330	410	ND<20	ND<20	57	ND<20	ND<100	Sheen; odor
MW-9	11/5/2004	5-25	15.15	9.07	0.00	6.08	24.70		18,000	3,400	2,100	5,600	510	44 J	100	110	ND<20	ND<20	29 J	ND<20	ND<100	Odor

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-9	3/10/2005	5-25	15.15	5.65	0.00	9.5	24.70		13,000	2,300	1,500	3,800	870	160	260	260	ND<20	ND<20	37 J	ND<20	ND<100	–
MW-9	6/8/2005	5-25	15.15	6.02	0.00	9.13	24.70		2,200	270	ND<250	470 J	63	10	9.3	11	ND<2	ND<2	10	ND<2	ND<10	Sheen; odor
MW-9	9/21/2005	5-25	15.15	6.02	0.00	9.13	24.78		23,000	25,000	17,000	42,000	380	74	160	170	ND<10	ND<10	28	ND<10	ND<50	Sheen
MW-9	12/15/2005	5-25	15.15	6.32	0.00	8.83	24.71		11,000	20,000	12,000	32,000	280	68	140	140	ND<3.2	ND<2.8	18 J	ND<3.3	ND<31	Sheen; odor
MW-9	3/8/2006	5-25	15.15	6.35	0.00	8.8	24.67		10,000	3,200	2,800	6,000	250	49	97	95	2 J	ND<1	19	ND<1	11 J	Sheen; odor
MW-9	6/21/2006	5-25	15.15	6.45	0.00	8.7	22.69		11,000	17,000	16,000	33,000	320	71	130	130	4 J	ND<0.5	27	ND<0.5	14 J	Sheen; odor
MW-9	9/13/2006	5-25	15.15	6.90	0.00	8.25	24.71		9,100	4,000	4,100 J	8,100	220	53	110	110	3 J	ND<0.5	23	ND<0.5	13 J	–
MW-9	12/1/2006	5-25	15.15	7.56	0.00	7.59	24.71		12,000	9,900	8,000	18,000	350	85	140	140	4	ND<0.5	33	ND<0.5	29	Odor
MW-9	3/22/2007	5-25	15.15	8.20	0.00	6.95	24.71		12,000	3,600	2,900 J	6,500	530	150	190	190	4	ND<0.5	45	ND<0.5	54	–
MW-9	6/7/2007	5-25	15.15	7.72	0.00	7.43	24.63		26,000	27,000	24,000	51,000	1400	340	600	600	ND<5	ND<5	58	ND<5	ND<20	Odor/ Sheen
MW-9	9/13/2007	5-25	15.15	8.13	0.00	7.02	24.69		16,000	44,000	36,000	80,000	1200	240	320	300	ND<3	ND<3	48	ND<3	35	–
MW-9	12/6/2007	5-25	15.15	8.33	0.00	6.82	24.70		19,000	120,000	100,000	230,000	1600	310	380	360	3 J	ND<3	69	ND<3	22 J	–
MW-9	3/13/2008	5-25	15.15	7.05	0.00	8.1	24.67		15,000	27,000	21,000 J	48,000	610	150	240	220	2 J	ND<1	40	ND<1	15	Odor
MW-9	5/8/2008	5-25	15.15	7.29	0.00	7.86	24.63		17,000	9,200	8,000	17,000	790	190	220	260	2	ND<0.5	45	0.7 J	16	Odor/ Sheen
MW-9	9/11/2008	5-25	15.15	7.27	0.00	7.88	24.66		7,000	9,800	11,000	20,000	340	29	75	74	2	ND<0.5	18	ND<0.5	9	Sheen
MW-9	12/4/2008	5-25	15.15	7.20	0.00	7.95	24.64		20,000	17,000	16,000	33,000	1400	230	330	300	2 J	ND<1	42	ND<1	13	Odor/Sheen
MW-9	3/3/2009	5-25	15.15	6.95	0.00	8.20	24.77		11,000	5,600	4,600 J	10,000	520	67	120	110	1 J	ND<1	24	ND<1	7 J	–
MW-9	5/18/2009	5-25	15.15	6.62	0.00	8.53	24.65		17,000	9,300	12,000	21,000	280	85	140	120	1	ND<0.5	24	ND<0.5	12	Odor/Sheen
MW-9	12/9/2009	5-25	15.15	7.23	0.00	7.92	24.75		36,000	48,000	37,000 J	85,000	1600	230	330	310	ND<3	ND<3	46	ND<3	16 J	Heavy Sheen
MW-9	6/4/2010	5-25	15.15	5.83	0.03	9.34	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-9	8/27/2010	5-25	15.15	6.58	0.00	8.57	24.75		11,000	7,600	5,400	13,000	440	100	150	150	ND<2.5	ND<2.5	19	ND<2.5	ND<50	Sheen
MW-9	12/2/2010	5-25	15.15	6.80	0.03	8.37	24.70		15,000	11,000	8,000	19,000	980	190	300	230	ND<5.0	ND<5.0	37	ND<5.0	ND<100	Sheen
MW-10	1/27/1998	5-25	15.32	9.35	0.00	5.97	–		4,400	2,500	–	–	52	ND<2	18	15	ND<200[5]	–	–	–	–	–
MW-10	4/10/1998	5-25	15.32	5.98	0.00	9.34	–		4,990	2,400	–	–	35	11	15	25	–	–	–	–	–	–
MW-10	10/14/1999	5-25	15.32	11.13	0.00	4.19	–		3,300	2,000	–	–	69	16	30	40	–	–	–	–	–	–
MW-10	3/16/2004	5-25	15.32	8.22	0.00	7.1	23.15		3,000	1,500	–	–	380	31	38	39	ND<10	ND<10	38	ND<10	ND<50	Odor
MW-10	6/23/2004	5-25	15.32	9.96	0.00	5.36	23.12		5,300	1,400	–	–	340	41	69	75	ND<10	ND<10	25	ND<10	ND<50	–
MW-10	9/14/2004	5-25	15.32	10.05	0.00	5.27	23.05		6,300	260	ND<250	340 J	380	53	97	98	ND<10	ND<10	38	ND<10	ND<50	Odor
MW-10	11/5/2004	5-25	15.32	9.95	0.00	5.37	23.30		3,400	330	ND<250	340 J	370	32	44	50	ND<10	ND<10	37	ND<10	ND<50	Odor
MW-10	3/10/2005	5-25	15.32	5.39	0.00	9.93	23.18		2,700	ND<250	ND<250	280 J	130	14	12	16	ND<2	ND<2	17	ND<2	ND<10	–
MW-10	6/8/2005	5-25	15.32	5.75	0.00	9.57	23.17		15,000	5,700	3,700	9,300	500	91	150	150	ND<10	ND<10	25	ND<10	ND<50	Odor
MW-10	9/21/2005	5-25	15.32	5.87	0.00	9.45	23.07		2,100	310	140 J	450 J	53	11	10	12	ND<2	ND<2	13	ND<2	ND<10	–
MW-10	12/15/2005	5-25	15.32	6.04	0.00	9.28	23.10		2,400	110 J	ND<42	140 J	52	7.2	8.2	8.9	ND<0.32	ND<0.28	5.5	ND<0.33	ND<3.1	Odor
MW-10	3/8/2006	5-25	15.32	5.82	0.00	9.5	23.11		2,500	740	370	1,100	24	7	11	10	ND<0.5	ND<0.5	6	ND<0.5	ND<5	Odor
MW-10	6/21/2006	5-25	15.32	6.18	0.00	9.14	23.26		2,300	1,200	980 J	2,200	30	6	9	8	ND<0.5	ND<0.5	5	ND<0.5	ND<5	Odor
MW-10	9/13/2006	5-25	15.32	6.33	0.00	8.99	23.20		2,100	700	550 J	1,300	42	4	7	7	ND<0.5	ND<0.5	7	ND<0.5	ND<5	–
MW-10	12/1/2006	5-25	15.32	7.83	0.00	7.49	23.06		2,400	890	490 J	1,400	100	8	10	11	ND<0.5	ND<0.5	11	ND<0.5	ND<5	Odor
MW-10	3/22/2007	5-25	15.32	7.88	0.00	7.44	23.19		2,800	770	380 J	1,100	190	10	10	12	ND<0.5	ND<0.5	25	ND<0.5	ND<2	–
MW-10	6/7/2007	5-25	15.32	7.48	0.00	7.84	23.08		2,700	890	610 J	1,500	200	11	8	10	ND<0.5	ND<0.5	22	ND<0.5	ND<2	Odor
MW-10	9/13/2007	5-25	15.32	8.29	0.00	7.03	23.14		3,300	920	580	1,500	60	7	8	7	ND<0.5	ND<0.5	9	ND<0.5	ND<2	–
MW-10	12/6/2007	5-25	15.32	7.56	0.00	7.76	23.10		2,500	1,100	1,500	2,500	280	7	9	10	ND<0.5	ND<0.5	24	ND<0.5	ND<2	–
MW-10	3/13/2008	5-25	15.32	5.90	0.00	9.42	23.10		1,900	600	1,000 J	1,600	36	3	6	6	ND<0.5	ND<0.5	4	ND<0.5	ND<2	Odor
MW-10	5/8/2008	5-25	15.32	6.04	0.00	9.28	23.18		2,400	550	390 J	940	28	3	7	4	ND<0.5	ND<0.5	4	ND<0.5	ND<2	Odor
MW-10	9/11/2008	5-25	15.32	6.64	0.00	8.68	23.15		2,100	810	670	1,500	58	3	5	6	ND<0.5	ND<0.5	10	ND<0.5	ND<2	–
MW-10	12/4/2008	5-25	15.32	6.27	0.00	9.05	23.14		2,300	560	340 J	900	22	2	4	3	ND<0.5	ND<0.5	3	ND<0.5	ND<2	Odor
MW-10	3/3/2009	5-25	15.32	6.05	0.00	9.27	23.22		1,500	660	680	1,300	11	3	8	5	ND<0.5	ND<0.5	2	ND<0.5	ND<2	–
MW-10	5/18/2009	5-25	15.32	6.58	0.00	8.74	23.24		1,800	510	1,900 J	2,400	11	1	4	3	ND<0.5	ND<0.5	8	ND<0.5	ND<2	–
MW-10	12/9/2009	5-25	15.32	7.17	0.00	8.15	23.14		2,900	740	990	1,700	5	1	5	3	ND<0.5	ND<0.5	2	ND<0.5	ND<2	–
MW-10	6/3/2010	5-25	15.32	5.62	0.00	9.70	23.19		1,900	ND<470	ND<470	ND<470	7.0	2.0	6.6	3.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	Methane= 56 µg/L
MW-10	12/2/2010	5-25	15.32	6.75	0.00	8.57	23.21		1,500	ND<480	ND<480	670	4.9	1.5	3.6	2.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	–

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (Feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EPH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[1]					1	150	300	1,750	13					
MW-11	6/4/1998	6-30	16.28	--		--	--		31,500	1,880	--	--	3,450	736	617	791	ND<250[4]	--	--	--	--	--
MW-11	10/15/1999	6-30	16.28	10.05	0.00	6.23	--		12,000	870	--	--	4,800	660	550	520	--	--	--	--	--	--
MW-11	3/16/2004	6-30	16.28	10.15	0.00	6.13	28.96		23,000	3,200	--	--	3,900	1,200	630	840	ND<40	ND<40	ND<40	ND<40	ND<200	Odor
MW-11	6/23/2004	6-30	16.28	*11.28*	*0.00*	*5*	*29.28*		*13,000*	*2,100*	--	--	2,900	430	230	480	ND<40	ND<40	ND<40	ND<40	ND<200	Odor
MW-11	9/14/2004	6-30	16.28	11.78	0.00	4.5	29.15		18,000	280	ND<250	310 J	3,000	670	330	450	ND<40	ND<40	ND<40	ND<40	ND<200	Odor
MW-11	11/5/2004	6-30	16.28	10.70	0.00	5.58	29.35		14,000	380	ND<250	390 J	160	43	23	26	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-11	3/10/2005	6-30	16.28	7.05	0.00	9.23	29.15		16,000	320	ND<250	350 J	3,300	970	460	730	ND<100	ND<100	ND<100	ND<100	ND<500	--
MW-11	6/8/2005	6-30	16.28	7.44	0.00	8.84	29.20		18,000	370	ND<250	400 J	2,700	740	410	550	ND<100	ND<100	ND<100	ND<100	ND<500	--
MW-11	9/21/2005	6-30	16.28	7.98	0.00	8.3	29.07		18,000	570	55 J	630	2,900	810	430	660	ND<80	ND<80	ND<80	ND<80	ND<400	--
MW-11	12/15/2005	6-30	16.28	8.20	0.00	8.08	28.58		14,000	220 J	ND<44	230 J	1,800	670	340	530	ND<3.2	ND<2.8	ND<2.5	ND<3.3	ND<31	--
MW-11	3/8/2006	6-30	16.28	7.57	0.00	8.71	28.90		17,000	1,500	270	1,700	1,800	500	310	460	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-11	6/21/2006	6-30	16.28	8.01	0.00	8.27	29.10		19,000	*2,200*	*ND<950*	*2,200*	*2,600*	640	320	*480*	*ND<5*	*ND<5*	*ND<5*	*ND<5*	*ND<50*	--
MW-11	9/13/2006	6-30	16.28	8.02	0.00	8.26	29.41		22,000	1,300	560 J	1,800	2,700	570	280	430	ND<5	ND<5	ND<5	ND<5	ND<50	Odor
MW-11	12/1/2006	6-30	16.28	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-11	3/22/2007	6-30	16.28	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Site access denied by owner
MW-11	3/28/2007	6-30	16.28	10.05	0.00	6.23	29.30		10,000	1,200	430 J	1,600	1,600	250	130	250	ND<3	ND<3	ND<3	ND<3	ND<10	--
MW-11	6/7/2007	6-30	16.28	8.80	0.00	7.48	29.28		23,000	1,500	330 J	1,800	2,800	690	390	640	ND<5	ND<5	ND<5	ND<5	ND<20	Odor/ Sheen
MW-11	9/13/2007	6-30	16.28	9.46	0.00	6.82	29.32		19,000	2,300	ND<2,000	2,300	2,000	490	240	490	ND<2	ND<2	ND<2	ND<2	ND<8	--
MW-11	12/6/2007	6-30	16.28	9.86	0.00	6.42	29.27		21,000	1,400	ND<190	1,400	2,700	670	380	540	ND<5	ND<5	ND<5	ND<5	ND<20	Odor
MW-11	3/13/2008	6-30	16.28	8.70	0.00	7.58	29.22		31,000	1,700	590 J	2,300	2,600	740	370	630	ND<3	ND<3	ND<3	ND<3	ND<10	--
MW-11	5/8/2008	6-30	16.28	8.75	0.00	7.53	29.25		23,000	880	200 J	1,100	2,800	670	320	590	ND<3	ND<3	ND<3	ND<3	ND<10	--
MW-11	9/11/2008	6-30	16.28	8.89	0.00	7.39	29.24		12,000	1,200	320 J	1,500	2,600	530	240	440	ND<5	ND<5	ND<5	ND<5	ND<20	--
MW-11	12/4/2008	6-30	16.28	9.19	0.00	7.09	29.40		18,000	1,100	ND<190	1,100	2,300	580	280	500	ND<3	ND<3	ND<3	ND<3	16 J	--
MW-11	3/3/2009	6-30	16.28	8.62	0.00	7.66	29.58		24,000	1,600	490 J	2,100	2,200	550	290	500	1 J	ND<1	ND<1	ND<1	7 J	--
MW-11	5/18/2009	6-30	16.28	8.73	0.00	7.55	29.52		17,000	1,400	630	2,000	2,100	500	220	390	ND<3	ND<3	ND<3	ND<3	ND<10	Odor
MW-11	12/9/2009	6-30	16.28	9.21	0.00	7.07	29.46		21,000	840	280 J	1,100	2,100	380	190	330	ND<3	ND<3	ND<3	ND<3	ND<10	--
MW-11	*6/4/2010*	*6-30*	*16.28*	*7.86*	*0.00*	*8.42*	*29.50*		*17,000*	*580*	*ND<470*	*640*	*2,500*	*630*	*330*	*560*	*ND<20*	*ND<20*	*ND<20*	*ND<20*	*ND<400*	*Methane= 650 µg/L*
MW-11	12/2/2010	6-30	16.28	8.55	0.00	7.73	29.34		15,000	ND<480	ND<480	ND<480	2,000	500	260	460	ND<25	ND<25	ND<25	ND<25	ND<500	--
MW-12	6/4/1998	8-28	16.97	--		--	--		1,130	ND<50	--	--	77	4.72	3.39	7.71	ND<10[4]	--	--	--	--	--
MW-12	10/15/1999	8-28	16.97	10.25	0.00	6.72	--		2,100	270	--	--	550	40	42	39	--	--	--	--	--	--
MW-12	3/16/2004	8-28	16.97	10.52	0.00	6.45	28.05		890	680	--	--	46	1.6 J	ND<1	1.8 J	ND<2	ND<2	11	ND<2	ND<10	--
MW-12	6/23/2004	8-28	16.97	11.10	0.00	5.87	28.00		5,600	1,600	--	--	160 E	44	23	33	ND<2	ND<2	11	ND<2	ND<10	Odor
MW-12	9/14/2004	8-28	16.97	11.60	0.00	5.37	27.94		3,500	ND<250	ND<250	180 J	880	44 J	18 J	23 J	ND<20	ND<20	ND<20	ND<20	ND<100	Odor
MW-12	11/5/2004	8-28	16.97	11.55	0.00	5.42	27.98		2,500	*260*	*ND<250*	*280 J*	46	*1.5 J*	ND<1	*1.1 J*	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-12	3/10/2005	8-28	16.97	6.62	0.00	10.35	28.00		3,300	ND<250	ND<250	ND<82	170	29	22	21	ND<4	ND<4	ND<4	ND<4	ND<20	--
MW-12	6/8/2005	8-28	16.97	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-12	9/21/2005	8-28	16.97	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-12	12/15/2005	8-28	16.97	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-12	3/8/2006	8-28	16.97	6.58	0.00	10.39	26.73		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-12	6/21/2006	8-28	16.97	6.28	0.00	10.69	28.12		1,500	260	380 J	630	100	5	4 J	4	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<5	--
MW-12	9/13/2006	8-28	16.97	6.74	0.00	10.23	27.81		2,100	490	240 J	740	200	13	9	12	ND<0.5	ND<0.5	1 J	ND<0.5	ND<5	--
MW-12	12/1/2006	8-28	16.97	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-12	3/22/2007	8-28	16.97	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Site access denied by owner
MW-12	3/28/2007	8-28	16.97	8.31	0.00	8.66	27.84		390	340	ND<190	340	120	6	2	3	ND<0.5	ND<0.5	4	ND<0.5	4 J	--
MW-12	6/7/2007	8-28	16.97	8.23	0.00	8.74	27.40		500	430	210 J	630	120	3	3	3	ND<0.5	ND<0.5	4	ND<0.5	4 J	--
MW-12	9/13/2007	8-28	16.97	8.40	0.00	8.57	27.91		380	270	190 J	470	63	2	1	1 J	ND<0.5	ND<0.5	4	ND<0.5	4 J	--
MW-12	12/6/2007	8-28	16.97	8.41	0.00	8.56	27.90		91	150	ND<190	150	6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-12	3/13/2008	8-28	16.97	6.83	0.00	10.14	28.02		220	ND<48	ND<190	ND<48	6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-12	*5/8/2008*	*8-28*	*16.97*	*7.00*	*0.00*	*9.97*	*27.84*		550	120	ND<200	120	79	4	2	2	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<2	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-12	9/11/2008	8-28	16.97	7.59	0.00	9.38	27.82		640	110	390 J	490	74	3	1	2	ND<0.5	ND<0.5	0.5 J	ND<0.5	ND<2	--
MW-12	12/4/2008	8-28	16.97	7.64	0.00	9.33	29.40		790	110	ND<190	110	95	4	2	3	ND<0.5	ND<0.5	0.6 J	ND<0.5	ND<2	--
MW-12	3/3/2009	8-28	16.97	7.05	0.00	9.92	27.81		360	64 J	210 J	280	29	1	0.5 J	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-12	5/18/2009	8-28	16.97	7.65	0.00	9.32	27.99		500	91 J	360 J	450	50	2	0.8 J	1	ND<0.5	ND<0.5	0.5 J	ND<0.5	ND<2	--
MW-12	12/9/2009	8-28	16.97	8.02	0.00	8.95	27.84		840	78 J	ND<190	78 J	64	2	1	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-12	6/4/2010	8-28	16.97	6.30	0.00	10.67	28.00		130	ND<480	ND<480	ND<480	10	0.69	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	Methane= 2.2 µg/L
MW-12	12/2/2010	8-28	16.97	7.18	0.00	9.79	28.02		110	ND<480	ND<480	ND<480	39	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--
MW-13	6/4/1998	8-28	16.28	--		--	--		3,230	348	--	--	254	46.8	18.2	47.2	ND<20[5]	--	--	--	--	--
MW-13	10/15/1999	8-28	16.28	8.65	0.00	7.63	--		2,200	260	--	--	290	55	67	79	--	--	--	--	--	--
MW-13	3/16/2004	8-28	16.28	8.97	0.00	7.31	27.16		3,200	1,100	--	--	520	48 J	41 J	46 J	ND<20	ND<20	ND<20	ND<20	ND<100	--
MW-13	6/23/2004	8-28	16.28	9.97	0.00	6.31	26.95		3,500	1,400	--	--	1,400	82	39 J	48 J	23 J	ND<20	ND<20	ND<20	ND<100	Odor
MW-13	9/14/2004	8-28	16.28	10.31	0.00	5.97	26.93		4,300	520	ND<250	690	1,800	170	65	80	30 J	ND<20	28 J	ND<20	ND<100	Odor
MW-13	11/5/2004	8-28	16.28	10.20	0.00	6.08	27.08		5,100	470	ND<250	600	2,200	240	92 J	100 J	ND<80	ND<80	ND<80	ND<80	ND<1,000	--
MW-13	3/10/2005	8-28	16.28	5.90	0.00	10.38	26.99		1,200	370	ND<250	480 J	280	24	8.1 J	9.8 J	14	ND<4	12	ND<4	39 J	--
MW-13	6/8/2005	8-28	16.28	6.22	0.00	10.06	26.92		520	630	ND<250	820	83	13	5.1 J	6.0 J	18	ND<4	ND<4	ND<4	ND<20	--
MW-13	9/21/2005	8-28	16.28	7.01	0.00	9.27	26.99		1,200	550	200 J	750	120	18	6.8 J	8.4 J	30	ND<4	ND<4	ND<4	ND<20	--
MW-13	12/15/2005	8-28	16.28	7.19	0.00	9.09	26.49		4,000	450	140 J	590	1,500	190	44 J	67	35 J	ND<2.8	18 J	ND<3.3	ND<31	--
MW-13	3/8/2006	8-28	16.28	6.90	0.00	9.38	26.58		4,400	2,700	2,400	5,200	1,000	150	35	56	37	ND<0.5	15	ND<0.5	8 J	--
MW-13	6/21/2006	8-28	16.28	6.72	0.00	9.56	27.00		610	2,600	3,200	5,900	87	13	4 J	5	19	ND<0.5	2 J	ND<0.5	5 J	--
MW-13	9/13/2006	8-28	16.28	7.12	0.00	9.16	26 82		5,400	1,800	1,200	3,000	810	140	34	50	24	ND<1	7 J	ND<1	ND<10	Odor
MW-13	12/1/2006	8-28	16.28	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-13	3/22/2007	8-28	16.28	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Site access denied by owner
MW-13	3/28/2007	8-28	16.28	9.99	0.00	6.29	27.04		4,800	1,300	1,000	2,300	1,400	190	30	58	35	ND<3	16	ND<3	14 J	--
MW-13	6/7/2007	8-28	16.28	8.72	0.00	7.56	26.90		7,800	1,300	780	2,100	2,300	290	48	94	41	ND<3	22	ND<3	15 J	Strong odor
MW-13	9/13/2007	8-28	16.28	8.78	0.00	7.5	27.10		3,600	2,500	3,000 J	5,500	1,200	140	18	39	29	ND<2	13	ND<2	16 J	--
MW-13	12/6/2007	8-28	16.28	8.33	0.00	7.95	27.07		11,000	1,200	370 J	1,500	1,600	260	44	80	25	ND<3	16	ND<2	17 J	--
MW-13	3/13/2008	8-28	16.28	7.69	0.00	8.59	27.00		10,000	1,100	1,000	2,100	2,100	400	64	120	27	ND<1	15	ND<1	16	--
MW-13	5/8/2008	8-28	16.28	7.67	0.00	8.61	26.94		2,200	950	900	1,900	320	96	16	31	14	ND<0.5	5	ND<0.5	8	--
MW-13	9/11/2008	8-28	16.28	7.91	0.00	8.37	26.91		5,300	980	1,100	2,100	1,700	240	41	81	21	ND<1	9	ND<1	13	--
MW-13	12/4/2008	8-28	16.28	8.41	0.00	7.87	26.96		10,000	870	440 J	1,300	1,900	370	59	120	29	ND<3	11	ND<3	20 J	--
MW-13	3/3/2009	8-28	16.28	7.43	0.00	8.85	27.00		1,400	870	950	1,800	220	46	8	15	15	ND<1	4	ND<1	9 J	Odor
MW-13	5/18/2009	8-28	16.28	7.50	0.00	8.78	27.10		990	1,200	1,400	2,700	150	32	6	11	12	ND<0.5	3	ND<0.5	6	Odor
MW-13	12/9/2009	8-28	16.28	8.22	0.00	8.06	27.08		10,000	770	700	1,500	1,400	260	50	97	24	ND<1	10	ND<1	15	Odor
MW-13	6/4/2010	8-28	16.28	6.80	0.00	9.48	27.10		350	ND<470	ND<470	ND<470	51	16	4.4	7.2	9.9	ND<0.50	1.5	ND<0.50	ND<10	Methane= 110 µg/L
MW-13	12/2/2010	8-28	16.28	7.41	0.00	8.87	27.00		460	ND<470	ND<470	ND<470	45	13	3.6	5.8	5.2	ND<0.50	1.3	ND<0.50	ND<10	--
MW-14	6/4/1998	5-30	16.15	--		--	--		4,930	990	--	--	214	8.62	5.8	21	ND<10[5]	--	--	--	--	--
MW-14	10/15/1999	5-30	16.15	11.25	0.00	4.9	--		3,700	1,100	--	--	75	37	9.0	11	--	--	--	--	--	--
MW-14	3/16/2004	5-30	16.15	9.24	0.00	6.91	26.80		3,800	2,700	--	--	180	59	13 J	12 J	ND<8	ND<8	26	ND<8	ND<40	Sheen; odor
MW-14	6/23/2004	5-30	16.15	10.68	0.00	5.47	26.74		4,800	2,700	--	--	180	64	17 J	21	ND<8	ND<8	21	ND<8	ND<40	Odor
MW-14	9/14/2004	5-30	16.15	10.82	0.00	5.33	26.75		3,900	370	ND<250	410 J	170	64	15	13	ND<2	ND<2	24	ND<2	ND<10	Odor
MW-14	11/5/2004	5-30	16.15	10.90	0.00	5.25	26.85		3,700	490	ND<250	690	240	66	16 J	18 J	ND<8	ND<8	26	ND<8	ND<40	Odor
MW-14	3/10/2005	5-30	16.15	5.30	0.00	10.85	26.82		6,100	ND<250	ND<250	250 J	210	68	15 J	14 J	ND<8	ND<8	27	ND<8	ND<40	--
MW-14	6/8/2005	5-30	16.15	5.68	0.00	10.47	26.78		5,600	460	ND<250	520	150	58	11	11	ND<4	ND<4	21	ND<4	ND<20	Odor
MW-14	9/21/2005	5-30	16.15	6.22	0.00	9.93	26.72		5,300	640	73 J	710	120	54	13	13	ND<4	ND<4	24	ND<4	ND<20	--
MW-14	12/15/2005	5-30	16.15	6.23	0.00	9.92	26.79		4,400	450	ND<42	490	77	31	7.0	6.4	ND<0.32	ND<0.28	10	ND<0.33	ND<3.1	--
MW-14	3/8/2006	5-30	16.15	5.95	0.00	10.2	26.73		4,900	2,800	510	3,300	130	52	13	11	ND<0.5	ND<0.5	19	ND<0.5	ND<5	--
MW-14	6/21/2006	5-30	16.15	5.50	0.00	10.65	26.93		4,100	3,400	ND<950	3,400	120	50	13	10	ND<0.5	ND<0.5	17	ND<0.5	ND<5	--
MW-14	9/13/2006	5-30	16.15	6.49	0.00	9.66	26.69		6,000	1,200	230 J	1,500	130	51	15	11	ND<0.5	ND<0.5	16	ND<0.5	ND<5	--
MW-14	12/1/2006	5-30	16.15	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	EST.[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EPH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-14	3/22/2007	5-30	16.15	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Site access denied by owner
MW-14	3/28/2007	5-30	16.15	8.37	0.00	7.78	26.81		4,400	1,200	ND<190	1,200	82	37	13	8	ND<0.5	ND<0.5	7	ND<0.5	3 J	Odor
MW-14	6/7/2007	5-30	16.15	7.92	0.00	8.23	26.72		4,100	770	230 J	1,000	91	39	17	9	ND<0.5	ND<0.5	7	ND<0.5	3 J	--
MW-14	9/13/2007	5-30	16.15	8.34	0.00	7.81	26.78		5,000	1,100	ND<190	1,100	75	32	15	8	ND<0.5	ND<0.5	3	ND<0.5	2 J	--
MW-14	12/6/2007	5-30	16.15	8.25	0.00	7.9	26.73		3,600	1,000	ND<980	1,000	48	23	11	6	ND<0.5	ND<0.5	2	ND<0.5	3 J	--
MW-14	3/13/2008	5-30	16.15	6.02	0.00	10.13	26.79		3,500	980	500 J	1,500	47	18	10	5	ND<0.5	ND<0.5	2	ND<0.5	5	--
MW-14	5/8/2008	5-30	16.15	6.20	0.00	9.95	26.81		5,200	880	210 J	1,100	49	19	12	6	ND<0.5	ND<0.5	3	ND<0.5	3 J	--
MW-14	9/11/2008	5-30	16.15	7.10	0.00	9.05	26.89		4,700	1,200	370 J	150	43	16	10	5	ND<0.5	ND<0.5	3	ND<0.5	2 J	--
MW-14	12/4/2008	5-30	16.15	6.79	0.00	9.36	26.90		5,000	1,200	ND<190	1,200	29	14	10	4	ND<0.5	ND<0.5	1	ND<0.5	2 J	Odor
MW-14	3/3/2009	5-30	16.15	6.35	0.00	9.80	26.87		4,000	780	ND<190	780	37	17	11	5	ND<0.5	ND<0.5	2	ND<0.5	3 J	Odor
MW-14	5/18/2009	5-30	16.15	7.00	0.00	9.15	26.90		3,700	1,400	520 J	1,900	31	13	9	4	ND<0.5	ND<0.5	2	ND<0.5	2 J	Odor
MW-14	12/9/2009	5-30	16.15	7.55	0.00	8.60	26.90		4,000	930	400 J	1,300	41	16	11	4	ND<0.5	ND<0.5	2	ND<0.5	2 J	--
MW-14	6/4/2010	5-30	16.15	5.83	0.00	10.32	26.93		2,900	530	ND<470	600	26	14	8.7	3.8	ND<0.50	ND<0.50	1.3	ND<0.50	ND<10	Methane= 14 µg/L
MW-14	12/2/2010	5-30	16.15	7.00	0.00	9.15	27.00		2,700	560	ND<470	630	16	9.9	6.2	2.3	ND<0.50	ND<0.50	0.81	ND<0.50	ND<10	--
MW-15	6/4/1998	5-30	16.63	--		--			6,620	878	--	--	343	167	15.9	215	ND<25[5]	--	--	--	--	--
MW-15	10/15/1999	5-30	16.63	11.00	0.00	5.63	--		7,400	1,700	--	--	2,100	680	170	420	--	--	--	--	--	--
MW-15	3/16/2004	5-30	16.63	10.69	0.00	5.94	26.90		9,400	3,800	--	--	1700	720	110	300	ND<20	ND<20	ND<20	ND<20	ND<100	--
MW-15	6/23/2004	5-30	16.63	11.10	0.00	5.53	26.78		12,000	3,500	--	--	1500	610	110	310	ND<20	ND<20	ND<20	ND<20	ND<100	Odor
MW-15	9/14/2004	5-30	16.63	11.53	0.00	5.1	26.78		8,200	660	ND<250	680	1,300	670	100	280	ND<40	ND<40	ND<40	ND<40	ND<200	Odor
MW-15	11/5/2004	5-30	16.63	11.51	0.00	5.12	26.90		9,000	480	ND<250	530	1,700	720	120	330	ND<20	ND<20	ND<20	ND<20	ND<100	--
MW-15	3/10/2005	5-30	16.63	5.69	0.00	10.94	26.94		5,200	320	ND<250	350 J	940	260	48 J	130	ND<20	ND<20	ND<20	ND<20	ND<100	--
MW-15	6/8/2005	5-30	16.63	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	9/21/2005	5-30	16.63	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	12/15/2005	5-30	16.63	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	3/8/2006	5-30	16.63	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	6/21/2006	5-30	16.63	6.16	0.00	10.47	26.96		4,600	4,000	2,000 J	6,000	660	170	26	63	ND<0.5	ND<0.5	5	ND<0.5	ND<5	--
MW-15	9/13/2006	5-30	16.63	6.56	0.00	10.07	26.95		5,900	1,400	ND<1,900	1,400	850	240	33	93	ND<1	ND<1	6 J	ND<0.5	ND<5	--
MW-15	12/1/2006	5-30	16.63	--	0.00	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	3/22/2007	5-30	16.63	--	0.00	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Site access denied by owner
MW-15	3/28/2007	5-30	16.63	8.39	0.00	8.24	26.93		7,700	1,400	1,100 J	2,600	1,100	320	48	130	ND<1	ND<1	7	ND<1	7 J	Odor
MW-15	6/7/2007	5-30	16.63	8.09	0.00	8.54	26.83		7,800	1,200	ND<1,900	1,200	1,300	380	63	180	ND<3	ND<3	7	ND<3	ND<10	--
MW-15	9/13/2007	5-30	16.63	8.22	0.00	8.41	27.00		6,300	5,300	ND<950	5,300	1,100	340	44	120	ND<3	ND<3	6	ND<3	ND<10	--
MW-15	12/6/2007	5-30	16.63	7.89	0.00	8.74	27.00		7,600	1,400	ND<960	1,400	1,200	350	43	120	ND<1	ND<1	6	ND<1	6 J	--
MW-15	3/13/2008	5-30	16.63	6.28	0.00	10.35	26.80		4,200	990	ND<950	990	640	190	22	61	ND<0.5	ND<0.5	3	ND<0.5	2 J	Odor
MW-15	5/8/2008	5-30	16.63	6.40	0.00	10.23	26.81		4,600	1,400	ND<1,000	1,400	510	170	19	52	ND<1	ND<1	4	ND<1	ND<4	Odor
MW-15	9/11/2008	5-30	16.63	7.10	0.00	9.53	26.68		6,000	1,200	ND<950	1,200	1,000	290	34	96	ND<1	ND<1	5	ND<1	ND<4	--
MW-15	12/4/2008	5-30	16.63	7.18	0.00	9.45	26.84		5,700	1,300	ND<1,900	1,300	780	220	36	100	ND<0.5	ND<0.5	3	ND<0.5	3 J	Odor
MW-15	3/3/2009	5-30	16.63	6.66	0.00	9.97	26.91		5,500	1,600	370 J	2,000	810	230	27	70	ND<0.5	ND<0.5	4	ND<0.5	3 J	--
MW-15	5/18/2009	5-30	16.63	7.32	0.00	9.31	26.75		5,600	1,400	490	1,900	770	230	24	64	ND<1	ND<1	4	ND<1	ND<4	Odor
MW-15	12/9/2009	5-30	16.63	7.68	0.00	8.95	26.93		6,500	930	ND<950	930	830	270	33	100	ND<1	ND<1	4	ND<1	ND<4	--
MW-15	6/4/2010	5-30	16.63	6.00	0.00	10.63	26.85		3,800	ND<480	ND<480	ND<480	670	190	23	53	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	Methane= 12 µg/L
MW-15	12/2/2010	5-30	16.63	6.98	0.00	9.65	26.86		3,100	560	ND<470	620	440	160	19	51	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<100	--
MW-16	6/4/1998	5-30	16.12	--		--	--		12,500	999	--	--	1,620	373	ND<50	364	ND<100[5]	--	--	--	--	--
MW-16	10/15/1999	5-30	16.12	8.75	0.00	7.37	--		6,000	900	--	--	2,300	430	120	240	--	--	--	--	--	--
MW-16	3/16/2004	5-30	16.12	8.76	0.00	7.36	29.34		7,300	2,200	--	--	950	150	93	100	ND<10	ND<10	65	ND<10	52 J	Odor
MW-16	6/23/2004	5-30	16.12	9.89	0.00	6.23	29.28		14,000	2,300	--	--	1,700	240	130	94 J	ND<40	ND<40	85 J	ND<40	ND<200	Odor
MW-16	9/14/2004	5-30	16.12	10.10	0.00	6.02	29.20		8,000	1,200	520	1,700	1,300	160	130	100	ND<40	ND<40	100	ND<40	ND<200	Sheen; odor
MW-16	11/5/2004	5-30	16.12	9.94	0.00	6.18	29.35		7,200	970	280	1,300	1,600	290	210	190	ND<20	ND<20	100	ND<20	ND<100	Odor
MW-16	3/10/2005	5-30	16.12	6.06	0.00	10.06	28.80		7,800	ND<250	ND<250	320 J	880	64	84	65	ND<20	ND<20	64	ND<20	ND<100	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EFH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					
MW-16	6/8/2005	5-30	16.12	6.48	0.00	9.64	29.12		10,000	1,000	430	1,400	1,100	150	140	96	ND<20	ND<20	83	ND<20	ND<100	Odor
MW-16	9/21/2005	5-30	16.12	6.84	0.00	9.28	29.19		7,800	480	55 J	530	900	110	99 J	83 J	ND<40	ND<40	120	ND<40	ND<200	Odor
MW-16	12/15/2005	5-30	16.12	7.18	0.00	8.94	29.60		14,000	1,500	760	2,200	1,400	520	160	140	13 J	ND<2.8	100	ND<3.3	ND<31	--
MW-16	3/8/2006	5-30	16.12	6.86	0.00	9.26	28.81		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-16	6/21/2006	5-30	16.12	7.00	0.00	9.12	28.92		6,600	2,400	990 J	3,300	480	78	58	49	9	ND<0.5	64	ND<0.5	15 J	Sheen; odor
MW-16	9/13/2006	5-30	16.12	7.44	0.00	8.68	29.37		16,000	1,400	840 J	2,300	1,200	270	140	130	7 J	ND<1	69	ND<1	12 J	Odor
MW-16	12/1/2006	5-30	16.12	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-16	3/22/2007	5-30	16.12	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	Site access denied by owner
MW-16	3/28/2007	5-30	16.12	9.08	0.00	7.04	29.20		10,000	1,300	1,900 J	2,300	5,000	250	110	100	5	ND<2	74	ND<2	55	Sheen; odor
MW-16	6/7/2007	5-30	16.12	8.74	0.00	7.38	28.97		15,000	1,500	ND<980	1,500	1,400	420	180	170	6	ND<3	95	ND<3	15 J	Odor; Heavy sheen
MW-16	9/13/2007	5-30	16.12	8.87	0.00	7.25	29.17		12,000	11,000	8,900	20,000	10,400	280	100	91	5 J	ND<3	77	ND<3	16 J	--
MW-16	12/6/2007	5-30	16.12	8.52	0.00	7.6	29.15		7,200	1,600	530 J	2,100	520	150	69	67	6	ND<1	65	ND<1	16	--
MW-16	3/13/2008	5-30	16.12	7.71	0.00	8.41	29.04		3,100	1,700	1,600	3,300	450	99	65	63	6	ND<0.5	76	ND<0.5	15	Odor
MW-16	5/8/2008	5-30	16.12	7.80	0.00	8.32	29.12		8,900	890	ND<990	890	1,500	120	68	65	5	ND<1	80	ND<1	17	Odor/ Sheen
MW-16	9/11/2008	5-30	16.12	8.11	0.00	8.01	29.00		6,000	1,200	550 J	1,800	420	92	50	48	5	ND<1	69	ND<1	20	Odor
MW-16	12/4/2008	5-30	16.12	8.31	0.00	7.81	29.07		7,200	1,100	ND<190	1,100	370	97	50	48	6	ND<0.5	65	ND<0.5	10	Odor
MW-16	3/3/2009	5-30	16.12	7.48	0.00	8.64	29.17		5,700	2,000	870	2,800	520	83	46	46	3	ND<1	62	ND<1	12 J	Odor/Sheen
MW-16	5/18/2009	5-30	16.12	7.40	0.00	8.72	29.23		5,400	1,300	410 J	1,700	280	67	37	33	4	ND<0.5	83	ND<0.5	8	Odor
MW-16	12/9/2009	5-30	16.12	8.16	0.00	7.96	29.16		8,600	1,200	640	1,800	350	110	48	45	3	ND<0.5	74	0.9 J	8	Odor/Heavy Sheen
MW-16	6/4/2010	5-30	16.12	6.80	0.00	9.32	29.30		5,900	520	ND<470	570	340	70	44	39	ND<2.5	ND<2.5	48	ND<2.5	ND<50	Methane= 3,500 µg/L
MW-16	12/2/2010	5-30	16.12	7.50	0.00	8.62	29 03		4,800	530	ND<470	590	200	53	30	26	ND<2.5	ND<2.5	40	ND<2.5	ND<50	--
Trip Blank	3/16/2004	--	--	--	--	--	--		ND<50	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
Trip Blank	6/23/2004	--	--	--	--	--	--		ND<50	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
Trip Blank	9/14/2004	--	--	--	--	--	--		ND<50	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
Trip Blank	11/5/2004	--	--	--	--	--	--		--	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
Trip Blank	3/10/2005	--	--	--	--	--	--		ND<50	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
Trip Blank	6/8/2005	--	--	--	--	--	--		ND<50	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
Trip Blank	9/21/2005	--	--	--	--	--	--		ND<50	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<2	ND<2	ND<2	ND<2	ND<10	--
Trip Blank	12/15/2005	--	--	--	--	--	--		ND<50	--	--	--	ND<0.28	ND<0.36	ND<0.25	ND<0.52	ND<0.32	ND<0.28	ND<0.25	ND<0.33	ND<3.1	--
Trip Blank	3/8/2006	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.7	ND<0.8	ND<0.8	ND<0.5	ND<0.8	ND<0.8	ND<0.8	ND<10	--
Trip Blank	6/21/2006	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
Trip Blank	9/13/2006	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
Trip Blank	12/1/2006	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
Trip Blank	3/22/2007	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
Trip Blank	3/28/2007	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
Trip Blank	6/7/2007	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
Trip Blank	9/13/2007	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
Trip Blank	12/6/2007	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	3/13/2008	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	5/8/2008	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	9/11/2008	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	12/4/2008	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	3/3/2009	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	5/18/2009	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	12/9/2009	--	--	--	--	--	--		ND<20	--	--	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
Trip Blank	6/4/2010	--	--	--	--	--	--		ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--
Trip Blank	8/27/2010	--	--	--	--	--	--		ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--
Trip Blank	12/2/2010	--	--	--	--	--	--		ND<50	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Site No. 21-1316, Former Texaco Service Station
1209 East Carson Street, Carson, California

Well ID	Date Sampled	Screen Interval (ft bgs)	TOC (ft MSL)	Depth to GW (ft bTOC)	SPH Thickness (feet)	GW Elevation (ft MSL)	DTB (ft bTOC)	ESL[1]	TPH-g C4-C12 (µg/L)	TPHd (µg/L)	ORO C23-C40 (µg/L)	EPH C13-C40 (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8260 (µg/L)	ETBE (µg/L)	DIPE (µg/L)	TAME (µg/L)	TBA (µg/L)	Comments
								GWSL[2]					1,800	530,000	170,000	160,000	80,000					
								GWSL[3]					540	380,000	170,000	160,000	24,000					
								CA MCL[4]					1	150	300	1,750	13					

Notes:
ft bgs = Feet below ground surface
TOC = Top of casing
ft MSL = feet above mean sea level
GW = Groundwater
ft bTOC = feet below top of casing
SPH = Separate phase hydrocarbons
DTB = Depth to bottom
ESL[1] = Environmental Screening Levels - San Francisco Bay Regional Water Quality Control Board (SFB-RWQCB). 2008. May
GWSL[2] – Groundwater Screening Level for Evaluation of Potential Vapor Intrusion Concerns (Table E-1 Commercial/Industrial Land Use)
GWSL[3] = Groundwater Screening Level for Evaluation of Potential Vapor Intrusion Concerns (Table E-1 Residential Use)
CA MCL[4] = *California Maximum Contaminant Level* - California Department of Public Health 2008
TPH-g = Total petroleum hydrocarbons as gasoline (carbon chain range C4-C12) analyzed by EPA Method 8015B
EPA = Environmental Protection Agency
µg/L = Micrograms per liter
TPH-d C13-C22 = Total petroleum hydrocarbons as diesel (carbon chain range C13-C22) analyzed by EPA Method 8015B
ORO C23-C40 = Oil Range Organics for carbon chain range C23-C40 analyzed by EPA Method 8015B
EPH C13-C40 = Extractable fuel hydrocarbons for carbon chain range C13-C40 analyzed by EPA Method 8015B
MTBE = Methyl tert-butyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tert-butyl ether analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
TAME = Tert-amyl methyl ether analyzed by EPA Method 8260B
TBA = Tert-butanol analyzed by EPA Method 8260B

ND<0.50 = Not detected at or above stated limit
-- Not measured or not applicable
J = Estimated value between method detection limit and reporting limit for reporting purposes
E = the concentration exceeds the calibration and therefore, the result is semi-quantitative
Beginning 06/25/2001, BTEX analyzed by EPA Method 8260B unless noted
Data prior to 03/16/2004 provided by IT Corporation
Top of casing elevations measured by Azimuth Boundary Specialists of Simi Valley on March 26, 1997 for hydropunch and June 8, 1998 for monitoring wells.

Colored shading indicates an exceedance of the stated ESL. Green = >CA MCL; Orange – >GWSL

ARCADIS

Attachment A

Field Data Sheets and Waste Disposal Documentation

WELL GAUGING DATA

27 CO 12/30/10

Project # 100826SR-1 Date 8/26/10 Client Chevron

Site 1209 Carson St., Carson

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-9	0910	4	odor				6.58	24.75	↓	

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 100826JR-1	Station #: 21-1316
Sampler: JR	Date: ~~8/26/10~~ 8/27/10 CO 12/30/10
Weather: Sunny	Ambient Air Temperature: 80's
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 29.75	Depth to Water: 6.58
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.24	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

11.8 (Gals.) X 3 = 35.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1008	25.8	6.9	1379	53	12	Odor / Sheen
1004	24.9	7.0	1569	522	24	
	— Well	dewatered	@ 24 gallons			
1035	25.9	7.1	1662	128	—	

Did well dewater? (Yes) No Gallons actually evacuated: 24

Sampling Date: ~~8/26/10~~ 8/27/10 CO 12/30/10 Sampling Time: 10.35 Depth to Water: 10.04

Sample I.D.: MW-9 Laboratory: (Kiff) Lancaster (Other) TA

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

NON-HAZARDOUS WASTE DATA FORM

P.O. 685267

D150736

P175190

Facility ID # 184138

GENERATOR

Generator's Name and Mailing Address
CHEVRON ENVIRONMENTAL MANAGEMENT CO.
C/O CPDS WASTE DESK
P.O. BOX 5004
SAN RAMON, CA 94583
Attn: Rob Spurr

Generator's Site Address (if different than mailing address)
1709 Carson St. Carson, CA
Chevron # 21-1316

Generator's Phone: 925-842-5831

24-HOUR EMERGENCY PHONE: 800-231-0623

Container type removed from site:
☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck ☐ Other

Container type transported to receiving facility:
☐ Drums ☑ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck ☐ Other

Quantity

Quantity Volume 30 gallons

WASTE DESCRIPTION NON-HAZARDOUS WATER GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	3.		
2. TPH		<1%	4.		

Waste Profile 175190 PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

Generator Printed/Typed Name: Jo Ramos Signature: [signature] Month 8 Day 27 Year 10

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BLAINE TECH SERVICES, INC. Phone#: 310-885-4468 CO 12/30/10

Transporter 1 Printed/Typed Name: Jo Ramos Signature: [signature] Month 8 Day 27/26 Year 10

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC. Phone#: 714-990-6666 CO 12/30/10

Transporter 2 Printed/Typed Name: Roberto Duran Signature: [signature] Month 09 Day 07 Year 10

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address
SIEMENS WATER TECHNOLOGIES CORP.
5375 S. BOYLE AVENUE
VERNON, CA 90058

Phone# 323-277-1500

211316
608710

Printed/Typed Name: Ramos Mendoza Signature: [signature] Month 9 Day 17 Year 10

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

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 8/27/10 CO 12/30/10

Site Address 1209 Carson St., Carson CA

Job Number 100826JR-1 Technician JR

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-9		X	X							X

NOTES:

WELL GAUGING DATA

Project # 101202-CT1 Date 12/2/10 Client CHEVRON

Site 1209 CARSON ST., CARSON

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0900	4					6.00	25.02		
MW-2	0904	4					6.31	18.66		
MW-3	0913	4					5.99	24.40		
MW-4	0908	4					6.90	23.18		
MW-5	0905	4					7.59	24.74		
MW-6	0910	4					6.46	16.78		
MW-7	0915	4					7.26	17.75		
MW-8	0900	4					7.95	24.24		
MW-9	1050	4					6.80	24.70		
MW-10	0938	4					6.75	23.24		
MW-11	0803	4					8.55	29.34		
MW-12	0805	4					7.18	28.02		
MW-13	0807	4					7.41	27.00		
MW-14	0815	4					7.00	27.00		
MW-15	0810	4					6.98	26.86		
MW-16	0800	4					7.50	29.03	↓	

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202 – C11	Station #: 21 – 1316
Sampler: TR	Date: 12/2/10
Weather: CLEAR	Ambient Air Temperature: 60 °F
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 25.02	Depth to Water: 6.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.80	

Purge Method:

Bailer	Waterra
Disposable Bailer	Peristaltic
Positive Air Displacement	Extraction Pump
(Electric Submersible)	Other_____

Sampling Method:

Bailer	
(Disposable Bailer)	
Extraction Port	
Dedicated Tubing	
Other: _____	

12.4 (Gals.) X 3 = 37.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1043	73.3	6.8	2586	11	12.5	
1046	73.5	6.8	3002	8	25.0	
—	WELL DEWATERED @ 25.0 GALS					—
1306	74.0	6.8	3375	10	—	

Did well dewater? (Yes) No Gallons actually evacuated: 25.0

Sampling Date: 12/2/10 Sampling Time: 1300 Depth to Water: 6.14

Sample I.D.: MW-1 Laboratory: Del Mar Lancaster (Other) T-A

Analyzed for: TPH-G BTEX MTBE OXYS (Other:) See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-C11	Station #: 21-1314
Sampler: JK	Date: 12/2/10
Weather: CLEAR	Ambient Air Temperature: 59 F
Well I.D.: ~~18.66~~ MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 18.46	Depth to Water: 6.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.21	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- ~~Extraction Port~~
- Dedicated Tubing
- Other: _____

8.0 (Gals.) X 3 = 24.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1003	72.0	7.4	1310	68	8.0	
—	WELL	DEWATERED	@	10 GALS	—	
1215	73.2	7.6	1320	14	—	

Did well dewater? (Yes) No Gallons actually evacuated: 10.0

Sampling Date: 12/2/10 Sampling Time: 1215 Depth to Water: 7.43

Sample I.D.: MW-2 Laboratory: ~~Lancaster~~ Other T-A

Analyzed for: TPH-G BTEX MTBE OXYS (Other): see COC

Duplicate I.D.: \ Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-C11	Station #: 21-1316
Sampler: TR	Date: 12/2/10
Weather: CLEAR	Ambient Air Temperature: 58 F
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.40	Depth to Water: 5.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.67	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:

- Bailer
- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other:_____

12.0 (Gals.) X 3 = 36.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0945	69.4	6.7	2892	23	12.0	
— WELL DEWATERED @				21.0 GALS	—	
1200	75.2	7.0	2477	18	—	

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 21.0

Sampling Date: 12/2/10 Sampling Time: 1200 Depth to Water: 6.34

Sample I.D.: MW-3 Laboratory: Lancaster (Other) TA

Analyzed for: TPH-G BTEX MTBE OXYS (Other): See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-C11	Station #: 21-1316
Sampler: TM	Date: 12/2/10
Weather: CLEAR	Ambient Air Temperature: 58° F
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 23.18	Depth to Water: 6.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.16	

Purge Method:

Bailer	Waterra
Disposable Bailer	Peristaltic
Positive Air Displacement	Extraction Pump
Electric Submersible	Other_____

Sampling Method: Bailer

(Disposable Bailer)	
Extraction Port	
Dedicated Tubing	
Other: _____	

1 Case Volume	Specified Volumes	Calculated Volume
10.6 (Gals.) X	3	= 31.8 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0928	74.0	7.1	3001	837	11.0	
—	WELL DEWATERED @		14.0 GALS		—	
1150	74.0	7.1	2547	21	—	

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 14.0

Sampling Date: 12/2/10 Sampling Time: 1150 Depth to Water: 7.31

Sample I.D.: MW-4 Laboratory: Lancaster (Other) T.A.

Analyzed for: TPH-G BTEX MTBE OXYS (Other): See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202 - C11	Station #: ~~12~~ 21 - 1316
Sampler: TM	Date: 12/2/10
Weather: CLEAR	Ambient Air Temperature: ~~58~~ F
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.74	Depth to Water: 7.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.02	

Purge Method:

Bailer	Waterra	
Disposable Bailer	Peristaltic	
Positive Air Displacement	Extraction Pump	
Electric Submersible	Other_____	

Sampling Method: Bailer

Disposable Bailer	
Extraction Port	
Dedicated Tubing	
Other: _____	

11.1 (Gals.) X 3 = 33.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0914	73.4	7.1	2862	95	11.5	
— WELL DEWATERED @				17.5 GALS	—	
1135	73.6	7.1	3063	12	—	

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 17.5

Sampling Date: 12/2/10 Sampling Time: 1135 Depth to Water: 7.97

Sample I.D.: MW-5 Laboratory: Lancaster Other T.A.

Analyzed for: TPH-G BTEX MTBE OXYS (Other): See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202 – C11	Station #: 21-1316
Sampler: TR	Date: 12/2/10
Weather: CLEAR	Ambient Air Temperature:
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 16.78	Depth to Water: 6.46
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.52	

Purge Method:

Bailer	Waterra	
Disposable Bailer	Peristaltic	
Positive Air Displacement	Extraction Pump	
Electric Submersible	Other	

Sampling Method:

Bailer	
(Disposable Bailer)	
Extraction Port	
Dedicated Tubing	
Other:	

10.7 (Gals.) X	3	= 20.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1016	72.4	7.3	2338	19	7.0	
—	WELL DEWATERED @		13.0 GALS		—	
1225	78.0	7.3	2222	15	—	

Did well dewater? (Yes) No Gallons actually evacuated: 13.0

Sampling Date: 12/2/10 Sampling Time: 1225 Depth to Water: 7.11

Sample I.D.: MW-6 Laboratory: Lancaster (Other) TA

Analyzed for: TPH-G BTEX MTBE OXYS (Other:) See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

WELL MONITORING DATA SHEET

Project #: 101202-C11	Client: CHEVRON
Sampler: TK	Date: 12/2/10
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 17.75	Depth to Water (DTW): 7.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.36	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other:

6.8 (Gals.) X	3	= 20.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1029	74.0	7.7	1493	24	7.0	
— WELL DEWATERED @ 12.5 GALS —						
1240	73.6	7.7	1568	21	—	

Did well dewater? (Yes) No Gallons actually evacuated: 12.5

Sampling Date: 12/2/10 Sampling Time: 1240 Depth to Water: 8.11

Sample I.D.: MW-7 Laboratory: T.A.

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) (Other) see COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202 - C11	Station #: 21-1316
Sampler: TR	Date: 12/2/10
Weather: CLEAR	Ambient Air Temperature: 60°F
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.24	Depth to Water: 7.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.21	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

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

10.6 (Gals.) X 3 = 31.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0903	71.9	7.0	1998	173	11.0	
— WELL DEWATERED @ 20 GALS —						
1125	72.0	7.1	2416	17	—	

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 20

Sampling Date: 12/2/10 Sampling Time: 1125 Depth to Water: 9.60

Sample I.D.: MW-8 Laboratory: Lancaster (Other) TA

Analyzed for: TPH-G BTEX MTBE OXYS (Other): See COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-CJ1	Station #: 21-1316
Sampler: CK	Date: 12/2/10
Weather: SUNNY	Ambient Air Temperature: 70
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.70	Depth to Water: 6.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.38	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

11.7 (Gals.) X 3 = 35 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1102	75.6	7.58	1138	483	12	SHEEN/ODOR
—	DEWATERED @	22 GAL	—			
1115	77.4	7.08	1510	21	—	

Did well dewater? (Yes) No Gallons actually evacuated: 22

Sampling Date: 12/2/10 Sampling Time: 1115 Depth to Water: 18.39 (TRAFFIC)

Sample I.D.: MW-9 Laboratory: Lancaster Other TA

Analyzed for: TPH-G BTEX MTBE OXYS Other: See Sow

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-CE1	Station #: 21316
Sampler: CF	Date: 12/2/10
Weather: SUNNY	Ambient Air Temperature: 70
Well I.D.: MW-10	Well Diameter: 2 3 4 6 8 ___
Total Well Depth: 23.21	Depth to Water: 6.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.05	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

10.7 (Gals.) X 3 = 32.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0942	75.5	7.16	3453	90	11	
—	DEWATERED @ 19 GAL		—	—		
0955	76.0	7.49	3692	158	—	

Did well dewater? (Yes) No Gallons actually evacuated: 19

Sampling Date: 12/2/10 Sampling Time: 0955 Depth to Water: 19.42 (TRAFFIC)

Sample I.D.: MW-10 Laboratory: (Lancaster) Other TA

Analyzed for: (TPH-G) (BTEX) MTBE (OXYS) Other: See Sow

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-CE1	Station #: 21-1316
Sampler: CF	Date: 12/2/10
Weather: SUNNY	Ambient Air Temperature: 70
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.34	Depth to Water: ~~29.34~~ 8.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.71	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method: Bailer

- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

13.6 (Gals.) X 3 = 40.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1017	75.5	7.57	2737	>1000	14	
—	DEWATERED	@ 21 GAL.	—	—		
1255	73.1	7.30	3844	94		

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 21

Sampling Date: 12/2/10 Sampling Time: 1255 Depth to Water: 12.34

Sample I.D.: MW-11 Laboratory: Lancaster Other TA

Analyzed for: TPH-G BTEX MTBE ~~OXYS~~ Other: See Sow

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-CE1	Station #: 21-1316
Sampler: CE	Date: 12/2/10
Weather: SUNNY	Ambient Air Temperature: 70
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 28.02	Depth to Water: 7.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.35	

Purge Method:

Bailer	Waterra
Disposable Bailer	Peristaltic
Positive Air Displacement	Extraction Pump
Electric (Submersible)	Other_____

Sampling Method: Bailer

(Disposable) Bailer	
Extraction Port	
Dedicated Tubing	
Other: _____	

13.6 (Gals.) X 3 = 40.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0839	71.7	7.00	7818	44	14	
—	DEWATERED @		20 GAL	—		
1135	75.4	7.45	7929	33	—	

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 20

Sampling Date: 12/2/10 Sampling Time: 1135 Depth to Water: 7.61

Sample I.D.: MW-12 Laboratory: Lancaster Other TA

Analyzed for: (TPH-G) (BTEX) MTBE (OXYS) Other: See Sow

~~Duplicate~~ I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101262-CT1	Station #: 21-1316
Sampler: CE	Date: 12/2/10
Weather: Sunny	Ambient Air Temperature: 70°
Well I.D.: MW-13	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 27.00	Depth to Water: 7.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.33	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

12.8 (Gals.) X 3 = 38.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1012	78.2	7.30	4059	66	13	
←	DEWATERED @ 18 GAL					
1225	77.5	7.33	4561	46	—	

Did well dewater? (Yes) No Gallons actually evacuated: 18

Sampling Date: 12/2/10 Sampling Time: 1225 Depth to Water: 8.82

Sample I.D.: MW-13 Laboratory: Lancaster Other TA

Analyzed for: (TPH-G) (BTEX) MTBE (OXYS) Other: See Sec

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SQ. CAL) WELL MONITORING DATA SHEET

Project #: 101202-CT1	Station #: S 21-1316
Sampler: CF	Date: 12/2/10
Weather: PARTLY CLOUDY	Ambient Air Temperature: 70
Well I.D.: MW-14	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 27.00	Depth to Water: 7.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.00	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other:

13 (Gals.) X 3 = 39 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1024	77.2	7.42	5425	34	13	
___	DEWATERED @		25 GAL	___		
1240	77.4	7.13	8915	26		

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 25

Sampling Date: 12/2/10 Sampling Time: 1240 Depth to Water: 7.53

Sample I.D.: MW-14 Laboratory: Lancaster Other TA

Analyzed for: TPH-G (BTEX) MTBE (OXYS) Other: SEE SOW

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-CD1	Station #: ~~21~~ 21-1316
Sampler: CE	Date: 12/2/10
Weather: SUNNY	~~Ambient Air Temperature:~~ 70
Well I.D.: MW-15	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 26.86	Depth to Water: 6.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.96	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: Bailer

- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

13 (Gals.) X 3 = 38.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0903	75.5	7.27	8835	25	13	
—	DEWATERED	@	19	GAL	—	
			mS			
1150	78.4	7.03	10 27	41	—	

Did well dewater? (Yes) No Gallons actually evacuated: 19

Sampling Date: 12/2/10 Sampling Time: 1150 Depth to Water: 8.07

Sample I.D.: MW-15 Laboratory: Lancaster Other TA

Analyzed for: TPH-G BTEX MTBE OXYS Other: SEE BELOW

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 101202-CE1	Station #: 21-1316
Sampler: CE	Date: 12/2/10
Weather: Sunny	Ambient Air Temperature: 70
Well I.D.: MW-16	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.03	Depth to Water: 7.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.81	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: ~~Bailer~~

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: ___

14 (Gals.) X 3 = 42 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0924	77.2	7.55	(E) 2988	35	14	
—	DEWATERED @	25 GAL	—			
1205	76.5	7.55	5788	9	—	

Did well ~~dewater~~? (Yes) No Gallons actually evacuated: 25

Sampling Date: 12/2/10 Sampling Time: 1205 Depth to Water: 8.04

Sample I.D.: MW-16 Laboratory: Lancaster Other TA

Analyzed for: ~~TPH-G~~ BTEX ~~MTBE~~ (OXYS) Other: See Sow

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

WELLHEAD INSPECTION CHECKLIST

Client CHEVRON Date 12/2/10

Site Address 1207 CARSON ST, CARSON

Job Number 101202-CT1 Technician CT

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X	X	X							
MW-2		X	X							X
MW-3	X	X	X							
MW-4	X	X	X							
MW-5		X	X							X
MW-6		X	X							X
MW-7		X	X							X
MW-8	X	X	X							
MW-9		X	X	X						X
MW-10		X	X	X						X
MW-11	X	X	X							
MW-12		X	X							X
MW-13	X	X	X							
MW-14		X	X							X
MW-15		X	X							X
MW-16		X	X							

NOTES:

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: CHEVRON Date 12/02/10

Site Address: 1209 CARSON ST, CARSON

Job Number: 101202-CI1 Technician(s): CI

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☐

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	Yes	No
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

	Yes	No
3. Is a Traffic Control Permit required for today's work?	☒	☒
If so is it in the folder?	☒	☐
Is it current?	☒	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☑
2. Route to hospital understood.	☑
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☑
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☑
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☑
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☑
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☑
8. After lunch tailgate safety meeting refresher conducted.	☑

If Checklist Task cannot be completed, explain:

Permit To Work Authority: [signature] PM 8-20-10 1330

Name Title Date Time

BLAINE WELLHEAD REPAIR ORDER / TRACKING SHEET

lient CHEVRON Site Address 1209 CARSON ST, CARSON

Well ID	Job Number	Wellbox Rim Seal Deteriorated or Missing	Casing Condition Prevents Cap Seal	Apron Cracked or Loose	Tab(s) Broken or Stripped	Bolt(s) Missing or Loose	Not Securable by Design (12" or less)	Lid (12" or less) Not Marked "Monitoring Well"	Other (explain below)	REQUIRES CALL-IN: Lid Cracked/Missing or All Tabs or Bolts Broken — WELL NOT SECURE	Traffic Control Required	PROJECT COORDINATOR ONLY: Inspection Scheduled (Initial/Date)	REPAIR TECHNICIAN ONLY: Deficiency Corrected (Initial/Data)
MW-10 MW-6 MW-7 MW-9	101202-CE1									X			
	NOTES: 2 OF 2 TABS STRIPPED												
MW-12, 15, 9, 10		X											
	NOTES:												
MW-10 MW-2						X							
	NOTES:												
MW-5					X								
	NOTES: 1 OF 2 TABS STRIPPED												
	NOTES:												
	NOTES:												
	NOTES:												

ARCADIS

Attachment B

Laboratory Report and Chain-of-Custody Documentation

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project: Chevron - 21-1316
B0060901.1316

Sampled: 08/27/10
Received: 08/30/10
Issued: 10/26/10 18:44

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

SAMPLE CROSS REFERENCE

ADDITIONAL INFORMATION: Please note that Methane by EPA 8260 was specified on the chain of custody, however, analysis was performed by RSK-175.

This report was amended to change the client IDs to match the chain of custody instead of the Chevron format of naming samples.

LABORATORY ID	CLIENT ID	MATRIX
ITH2629-01	MW-9	Water
ITH2629-02	QA	Water

Reviewed By:

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH2629-01 (MW-9 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10I0444	5000	**11000**	100	9/3/2010	9/4/2010	
Surrogate: 4-BFB (FID) (65-140%)				*109 %*				
Sample ID: ITH2629-02 (QA - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10I0136	50	ND	1	9/2/2010	9/3/2010	
Surrogate: 4-BFB (FID) (65-140%)				*83 %*				

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH2629-01 (MW-9 - Water)								
Reporting Units: mg/l								
DRO (C13-C22)	EPA 8015B	10I0386	2.4	7.6	4.81	9/3/2010	9/7/2010	
ORO (C23-C40)	EPA 8015B	10I0386	2.4	5.4	4.81	9/3/2010	9/7/2010	
EFH (C13 - C40)	EPA 8015B	10I0386	2.4	13	4.81	9/3/2010	9/7/2010	
Surrogate: n-Octacosane (45-120%)				*203 %*				*Z3*

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH2629-01 (MW-9 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10I0337	2.5	440	5	9/3/2010	9/4/2010	
Ethylbenzene	EPA 8260B	10I0337	2.5	150	5	9/3/2010	9/4/2010	
Toluene	EPA 8260B	10I0337	2.5	100	5	9/3/2010	9/4/2010	
m,p-Xylenes	EPA 8260B	10I0337	5.0	110	5	9/3/2010	9/4/2010	
o-Xylene	EPA 8260B	10I0337	2.5	41	5	9/3/2010	9/4/2010	
Xylenes, Total	EPA 8260B	10I0337	5.0	150	5	9/3/2010	9/4/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I0337	2.5	19	5	9/3/2010	9/4/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I0337	2.5	ND	5	9/3/2010	9/4/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10I0337	2.5	ND	5	9/3/2010	9/4/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I0337	2.5	ND	5	9/3/2010	9/4/2010	
tert-Butanol (TBA)	EPA 8260B	10I0337	50	ND	5	9/3/2010	9/4/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: ITH2629-02 (QA - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
Ethylbenzene	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
Toluene	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
m,p-Xylenes	EPA 8260B	10I0337	1.0	ND	1	9/3/2010	9/4/2010	
o-Xylene	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
Xylenes, Total	EPA 8260B	10I0337	1.0	ND	1	9/3/2010	9/4/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I0337	0.50	ND	1	9/3/2010	9/4/2010	
tert-Butanol (TBA)	EPA 8260B	10I0337	10	ND	1	9/3/2010	9/4/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

DISSOLVED GASES BY HEADSPACE EQUILIBRIUM (RSK-175 MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITH2629-01 (MW-9 - Water)								
Reporting Units: mg/l								
Methane	RSK-175 MOD.	10I0303	0.0050	**3.1**	5	9/2/2010	9/2/2010	
Sample ID: ITH2629-02 (QA - Water)								
Reporting Units: mg/l								
Methane	RSK-175 MOD.	10I0303	0.0010	ND	1	9/2/2010	9/2/2010	

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0136 Extracted: 09/02/10										
Blank Analyzed: 09/02/2010 (10I0136-BLK1)										
GRO (C4 - C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	*9.99*		*ug/l*	*10.0*		*100*	*65-140*			
LCS Analyzed: 09/02/2010 (10I0136-BS1)										
GRO (C4 - C12)	846	50	ug/l	800		106	80-120			
Surrogate: 4-BFB (FID)	*18.7*		*ug/l*	*10.0*		*187*	*65-140*			*Z2*
Matrix Spike Analyzed: 09/02/2010 (10I0136-MS1)					**Source: ITH2516-03**					
GRO (C4 - C12)	5830	500	ug/l	2200	3330	114	65-140			
Surrogate: 4-BFB (FID)	*142*		*ug/l*	*100*		*142*	*65-140*			*ZX*
Matrix Spike Dup Analyzed: 09/02/2010 (10I0136-MSD1)					**Source: ITH2516-03**					
GRO (C4 - C12)	5600	500	ug/l	2200	3330	103	65-140	4	20	
Surrogate: 4-BFB (FID)	*133*		*ug/l*	*100*		*133*	*65-140*			
Batch: 10I0444 Extracted: 09/03/10										
Blank Analyzed: 09/03/2010 (10I0444-BLK1)										
GRO (C4 - C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	*9.99*		*ug/l*	*10.0*		*100*	*65-140*			
LCS Analyzed: 09/03/2010 (10I0444-BS1)										
GRO (C4 - C12)	857	50	ug/l	800		107	80-120			
Surrogate: 4-BFB (FID)	*20.1*		*ug/l*	*10.0*		*201*	*65-140*			*Z2*
Matrix Spike Analyzed: 09/03/2010 (10I0444-MS1)					**Source: ITH2410-02**					
GRO (C4 - C12)	231	50	ug/l	220	ND	105	65-140			
Surrogate: 4-BFB (FID)	*10.2*		*ug/l*	*10.0*		*102*	*65-140*			

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0444 Extracted: 09/03/10										
Matrix Spike Dup Analyzed: 09/03/2010 (10I0444-MSD1)					**Source: ITH2410-02**					
GRO (C4 - C12)	210	50	ug/l	220	ND	95	65-140	10	20	
Surrogate: 4-BFB (FID)	*10.2*		*ug/l*	*10.0*		*102*	*65-140*			

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0386 Extracted: 09/03/10										
Blank Analyzed: 09/04/2010 (10I0386-BLK1)										
DRO (C13-C22)	ND	0.50	mg/l							
ORO (C23-C40)	ND	0.50	mg/l							
EFH (C13 - C40)	ND	0.50	mg/l							
EFH (C10 - C28)	ND	0.50	mg/l							
Surrogate: n-Octacosone	*0.167*		*mg/l*	*0.200*		*83*	*45-120*			
LCS Analyzed: 09/04/2010 (10I0386-BS1)										MNR1
EFH (C10 - C28)	0.724	0.50	mg/l	1.00		72	40-115			
Surrogate: n-Octacosane	*0.169*		*mg/l*	*0.200*		*85*	*45-120*			
LCS Dup Analyzed: 09/04/2010 (10I0386-BSD1)										
EFH (C10 - C28)	0.797	0.50	mg/l	1.00		80	40-115	10	25	
Surrogate: n-Octacosane	*0.172*		*mg/l*	*0.200*		*86*	*45-120*			

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0337 Extracted: 09/03/10										
Blank Analyzed: 09/03/2010 (10I0337-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	0.50	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	0.50	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*22.7*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
LCS Analyzed: 09/03/2010 (10I0337-BS1)										
Benzene	26.5	0.50	ug/l	25.0		106	70-120			
Ethylbenzene	26.4	0.50	ug/l	25.0		105	75-125			
Toluene	26.7	0.50	ug/l	25.0		107	70-120			
m,p-Xylenes	54.7	1.0	ug/l	50.0		109	75-125			
o-Xylene	27.4	0.50	ug/l	25.0		109	75-125			
Xylenes, Total	82.1	1.0	ug/l	75.0		109	70-125			
Di-isopropyl Ether (DIPE)	24.2	0.50	ug/l	25.0		97	60-135			
Ethyl tert-Butyl Ether (ETBE)	23.6	0.50	ug/l	25.0		94	65-135			
Methyl-tert-butyl Ether (MTBE)	21.9	0.50	ug/l	25.0		87	60-135			
tert-Amyl Methyl Ether (TAME)	23.9	0.50	ug/l	25.0		96	60-135			
tert-Butanol (TBA)	147	10	ug/l	125		118	70-135			
Surrogate: 4-Bromofluorobenzene	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0337 Extracted: 09/03/10										
Matrix Spike Analyzed: 09/03/2010 (10I0337-MS1)					**Source: ITH2638-17**					
Benzene	35.6	0.50	ug/l	25.0	10.8	100	65-125			
Ethylbenzene	33.4	0.50	ug/l	25.0	7.56	103	65-130			
Toluene	26.4	0.50	ug/l	25.0	ND	106	70-125			
m,p-Xylenes	54.4	1.0	ug/l	50.0	ND	109	65-130			
o-Xylene	27.2	0.50	ug/l	25.0	ND	109	65-125			
Xylenes, Total	81.6	1.0	ug/l	75.0	ND	109	60-130			
Di-isopropyl Ether (DIPE)	23.9	0.50	ug/l	25.0	ND	96	60-140			
Ethyl tert-Butyl Ether (ETBE)	23.6	0.50	ug/l	25.0	ND	94	60-135			
Methyl-tert-butyl Ether (MTBE)	22.8	0.50	ug/l	25.0	ND	91	55-145			
tert-Amyl Methyl Ether (TAME)	24.9	0.50	ug/l	25.0	ND	99	60-140			
tert-Butanol (TBA)	138	10	ug/l	125	ND	110	65-140			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 09/03/2010 (10I0337-MSD1)					**Source: ITH2638-17**					
Benzene	36.6	0.50	ug/l	25.0	10.8	103	65-125	3	20	
Ethylbenzene	33.7	0.50	ug/l	25.0	7.56	105	65-130	1	20	
Toluene	26.7	0.50	ug/l	25.0	ND	107	70-125	1	20	
m,p-Xylenes	54.2	1.0	ug/l	50.0	ND	108	65-130	0.4	25	
o-Xylene	26.8	0.50	ug/l	25.0	ND	107	65-125	1	20	
Xylenes, Total	81.0	1.0	ug/l	75.0	ND	108	60-130	0.7	20	
Di-isopropyl Ether (DIPE)	23.9	0.50	ug/l	25.0	ND	96	60-140	0.1	25	
Ethyl tert-Butyl Ether (ETBE)	23.5	0.50	ug/l	25.0	ND	94	60-135	0.2	25	
Methyl-tert-butyl Ether (MTBE)	23.1	0.50	ug/l	25.0	ND	92	55-145	1	25	
tert-Amyl Methyl Ether (TAME)	24.2	0.50	ug/l	25.0	ND	97	60-140	3	30	
tert-Butanol (TBA)	141	10	ug/l	125	ND	113	65-140	3	25	
Surrogate: 4-Bromofluorobenzene	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

METHOD BLANK/QC DATA

DISSOLVED GASES BY HEADSPACE EQUILIBRIUM (RSK-175 MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0303 Extracted: 09/02/10										
Blank Analyzed: 09/02/2010 (10I0303-BLK1)										
Methane	ND	0.0010	mg/l							
LCS Analyzed: 09/02/2010 (10I0303-BS1)										
Methane	0.0130	0.0010	mg/l	0.0136		95	80-120			
Dnplicate Analyzed: 09/02/2010 (10I0303-DUP1)					Source: ITH2479-07					
Methane	3.59	0.0050	mg/l		3.57			0.5	25	

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

DATA QUALIFIERS AND DEFINITIONS

MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.

Z2 Surrogate recovery was above the acceptance limits. Data not impacted.

Z3 The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

ZX Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Lynleigh Lowry

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITH2629

Sampled: 08/27/10
Received: 08/30/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X
RSK-175 MOD.	Water	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Pat Abe For Sushmitha Reddy
Project Manager

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

IT142629

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Lyneigh Lowry	Site Contact:	Date: 8-27-10	COC No:
Arcadis - U.S., Inc. - Los Angeles	Tel/Fax: (714) 755-7257 / (714)444-0117	Lab Contact: Sushmitha Reddy	Carrier:	1 of 1 COCs
3150 Bristol Street, Suite 250	Analysis Turnaround Time			Job No. 100827JR-1
Costa Mesa, CA 92626	Calendar (C) or Work Days (W) ____			
714-755-7257 Phone	TAT if different from Below ____			SDG No.
714-444-0117 FAX	■ 2 weeks			
Project Name: Chevron 21-1316	☐ 1 week			
Site: 1209 Carson St, Carson	☐ 2 days			
P O B0060901.1316 Global ID:	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Samples	GRO, DRO, and ORO (C4-C12) by 8015	BTEX+Oxys+Methane by 8260	GRO by 8015	Ferrous Iron	Sample Specific Notes:
MW-9	8/26	735	Grab	W	8		X	X			
QA		1000	Grab	T	6			X	X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

1,2 | 1,2 | 1,4

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BTS	8/26/10 1100		BTS	8/27 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		8/30/10 1300		TAI	8-30-10 1300
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAI	830 1705	3.8°C 4.4°	TAL	8/30/10 17:05

30V17 30V20

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project: Chevron - 21-1316
B0060901.1316

Sampled: 12/02/10
Received: 12/03/10
Issued: 12/16/10 09:33

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITL0427-01	MW-1	Water
ITL0427-02	MW-2	Water
ITL0427-03	MW-3	Water
ITL0427-04	MW-4	Water
ITL0427-05	MW-5	Water
ITL0427-06	MW-6	Water
ITL0427-07	MW-7	Water
ITL0427-08	MW-8	Water
ITL0427-09	MW-9	Water
ITL0427-10	MW-10	Water
ITL0427-11	MW-11	Water
ITL0427-12	MW-12	Water
ITL0427-13	MW-13	Water
ITL0427-14	MW-14	Water
ITL0427-15	MW-15	Water
ITL0427-16	MW-16	Water
ITL0427-17	QA	Water

Reviewed By:

Sushmitha Reddy

TestAmerica Irvine

Sushmitha Reddy
Project Manager

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-01 (MW-1 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1363	5000	**35000**	100	12/11/2010	12/12/2010	
Surrogate: 4-BFB (FID) (65-140%)				*103 %*				
Sample ID: ITL0427-02 (MW-2 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	50	**62**	1	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*86 %*				
Sample ID: ITL0427-03 (MW-3 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	1000	**2200**	20	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*104 %*				
Sample ID: ITL0427-04 (MW-4 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	50	**89**	1	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*108 %*				
Sample ID: ITL0427-05 (MW-5 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	50	ND	1	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*88 %*				
Sample ID: ITL0427-06 (MW-6 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	50	**92**	1	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*68 %*				
Sample ID: ITL0427-07 (MW-7 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	1000	**11000**	20	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*77 %*				
Sample ID: ITL0427-08 (MW-8 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	1000	**8800**	20	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*74 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-09 (MW-9 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	1000	**15000**	20	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*83 %*				
Sample ID: ITL0427-10 (MW-10 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	250	**1500**	5	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*94 %*				
Sample ID: ITL0427-11 (MW-11 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	2500	**15000**	50	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*79 %*				
Sample ID: ITL0427-12 (MW-12 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	50	**110**	1	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*76 %*				
Sample ID: ITL0427-13 (MW-13 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	250	**460**	5	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*77 %*				
Sample ID: ITL0427-14 (MW-14 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	250	**2700**	5	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*110 %*				
Sample ID: ITL0427-15 (MW-15 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	500	**3100**	10	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*87 %*				
Sample ID: ITL0427-16 (MW-16 - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	500	**4800**	10	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*89 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-17 (QA - Water)								
Reporting Units: ug/l								
GRO (C4 - C12)	EPA 8015B	10L1078	50	ND	1	12/9/2010	12/10/2010	
Surrogate: 4-BFB (FID) (65-140%)				*88 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Reeeived: 12/03/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-01 (MW-1 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	**600**	0.952	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	**700**	0.952	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*81 %*				
Sample ID: ITL0427-02 (MW-2 - Water)								
Reporting Units: ng/l								
DRO (C13-C22)	EPA 8015B	10L0716	470	ND	0.943	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	470	ND	0.943	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	470	ND	0.943	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*83 %*				
Sample ID: ITL0427-03 (MW-3 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*85 %*				
Sample ID: ITL0427-04 (MW-4 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*83 %*				
Sample ID: ITL0427-05 (MW-5 - Water)								RL4
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	520	ND	1.03	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	520	ND	1.03	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	520	ND	1.03	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*81 %*				
Sample ID: ITL0427-06 (MW-6 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	470	ND	0.943	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	470	ND	0.943	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	470	ND	0.943	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*87 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-07 (MW-7 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*87 %*				
Sample ID: ITL0427-08 (MW-8 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	**620**	0.962	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.962	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	**890**	0.962	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*94 %*				
Sample ID: ITL0427-09 (MW-9 - Water)								
Reportiug Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	2400	**11000**	4.81	12/7/2010	12/8/2010	QP1
ORO (C23-C40)	EPA 8015B	10L0716	2400	**8000**	4.81	12/7/2010	12/8/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	2400	**19000**	4.81	12/7/2010	12/8/2010	
Surrogate: n-Octacosane (45-120%)				*171 %*				*Z3*
Sample ID: ITL0427-10 (MW-10 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	**670**	0.952	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*93 %*				
Sample ID: ITL0427-11 (MW-11 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*95 %*				
Sample ID: ITL0427-12 (MW-12 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
ORO (C23-C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
EFH (C13 - C40)	EPA 8015B	10L0716	480	ND	0.952	12/7/2010	12/7/2010	
Surrogate: n-Octacosane (45-120%)				*76 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-13 (MW-13 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0844	470	ND	0.943	12/8/2010	12/8/2010	
ORO (C23-C40)	EPA 8015B	10L0844	470	ND	0.943	12/8/2010	12/8/2010	
EFH (C13 - C40)	EPA 8015B	10L0844	470	ND	0.943	12/8/2010	12/8/2010	
Surrogate: n-Octocosane (45-120%)				*84 %*				
Sample ID: ITL0427-14 (MW-14 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0844	470	**560**	0.943	12/8/2010	12/8/2010	
ORO (C23-C40)	EPA 8015B	10L0844	470	ND	0.943	12/8/2010	12/8/2010	
EFH (C13 - C40)	EPA 8015B	10L0844	470	**630**	0.943	12/8/2010	12/8/2010	
Surrogate: n-Octacosane (45-120%)				*77 %*				
Sample ID: ITL0427-15 (MW-15 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0844	470	**560**	0.943	12/8/2010	12/8/2010	
ORO (C23-C40)	EPA 8015B	10L0844	470	ND	0.943	12/8/2010	12/8/2010	
EFH (C13 - C40)	EPA 8015B	10L0844	470	**620**	0.943	12/8/2010	12/8/2010	
Surrogate: n-Octacosane (45-120%)				*86 %*				
Sample ID: ITL0427-16 (MW-16 - Water)								
Reporting Units: ug/l								
DRO (C13-C22)	EPA 8015B	10L0844	470	**530**	0.943	12/8/2010	12/8/2010	
ORO (C23-C40)	EPA 8015B	10L0844	470	ND	0.943	12/8/2010	12/8/2010	
EFH (C13 - C40)	EPA 8015B	10L0844	470	**590**	0.943	12/8/2010	12/8/2010	
Surrogate: n-Octacosane (45-120%)				*85 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-01 (MW-1 - Water)								
Reporting Units: ug/l								
Ethylbenzene	EPA 8260B	10L0689	25	**1400**	50	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	25	**1500**	50	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	50	**2200**	50	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	25	**220**	50	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	50	**2400**	50	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	25	**46**	50	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	25	ND	50	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	25	ND	50	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	25	ND	50	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	500	ND	50	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Sample ID: ITL0427-01RE1 (MW-1 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0835	100	**12000**	200	12/8/2010	12/9/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*87 %*				
Surrogate: Dibromofluoromethane (80-120%)				*90 %*				
Surrogate: Toluene-d8 (80-120%)				*95 %*				
Sample ID: ITL0427-02 (MW-2 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	10	ND	1	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-03 (MW-3 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	10	ND	1	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*117 %*				
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Sample ID: ITL0427-04 (MW-4 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	10	ND	1	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-05 (MW-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	10	ND	1	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Sample ID: ITL0427-06 (MW-6 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	1.0	ND	1	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	0.50	**0.57**	1	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	10	ND	1	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-07 (MW-7 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0689	0.50	55	1	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	0.50	93	1	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	0.50	24	1	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	1.0	34	1	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	0.50	97	1	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	1.0	130	1	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	0.50	ND	1	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	10	ND	1	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Sample ID: ITL0427-08 (MW-8 - Water)								
Reporting Units: ng/l								
Benzene	EPA 8260B	10L0689	5.0	400	10	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	5.0	27	10	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	5.0	72	10	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	10	34	10	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	5.0	12	10	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	10	47	10	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	5.0	24	10	12/7/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0689	5.0	ND	10	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	5.0	ND	10	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	5.0	ND	10	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	100	ND	10	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-09 (MW-9 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0689	5.0	**980**	10	12/7/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0689	5.0	**300**	10	12/7/2010	12/8/2010	
Toluene	EPA 8260B	10L0689	5.0	**190**	10	12/7/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0689	10	**160**	10	12/7/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0689	5.0	74	10	12/7/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0689	10	**230**	10	12/7/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0689	5.0	**37**	10	12/7/2010	12/8/2010	
Ethyl tert-Bntyl Ether (ETBE)	EPA 8260B	10L0689	5.0	ND	10	12/7/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0689	5.0	ND	10	12/7/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0689	5.0	ND	10	12/7/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0689	100	ND	10	12/7/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Sample ID: ITL0427-10 (MW-10 - Water)								
Reportiug Units: ug/l								
Benzene	EPA 8260B	10L0835	0.50	4.9	1	12/8/2010	12/9/2010	
Ethylbenzene	EPA 8260B	10L0835	0.50	**3.6**	1	12/8/2010	12/9/2010	
Toluene	EPA 8260B	10L0835	0.50	**1.5**	1	12/8/2010	12/9/2010	
m,p-Xylenes	EPA 8260B	10L0835	1.0	**2.0**	1	12/8/2010	12/9/2010	
o-Xylene	EPA 8260B	10L0835	0.50	ND	1	12/8/2010	12/9/2010	
Xylenes, Total	EPA 8260B	10L0835	1.0	**2.4**	1	12/8/2010	12/9/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0835	0.50	ND	1	12/8/2010	12/9/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0835	0.50	ND	1	12/8/2010	12/9/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0835	0.50	ND	1	12/8/2010	12/9/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0835	0.50	ND	1	12/8/2010	12/9/2010	
tert-Butanol (TBA)	EPA 8260B	10L0835	10	ND	1	12/8/2010	12/9/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*89 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-11 (MW-11 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0821	25	**2000**	50	12/8/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0821	25	**260**	50	12/8/2010	12/8/2010	
Toluene	EPA 8260B	10L0821	25	**500**	50	12/8/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0821	50	**280**	50	12/8/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0821	25	**170**	50	12/8/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0821	50	**460**	50	12/8/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0821	25	ND	50	12/8/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0821	25	ND	50	12/8/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0821	25	ND	50	12/8/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0821	25	ND	50	12/8/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0821	500	ND	50	12/8/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Sample ID: ITL0427-12 (MW-12 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0821	0.50	**3.9**	1	12/8/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Toluene	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0821	1.0	ND	1	12/8/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0821	1.0	ND	1	12/8/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0821	10	ND	1	12/8/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*95 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-13 (MW-13 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0821	0.50	**45**	1	12/8/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0821	0.50	**3.6**	1	12/8/2010	12/8/2010	
Toluene	EPA 8260B	10L0821	0.50	**13**	1	12/8/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0821	1.0	**4.8**	1	12/8/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0821	0.50	**1.0**	1	12/8/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0821	1.0	**5.8**	1	12/8/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0821	0.50	**1.3**	1	12/8/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0821	0.50	**5.2**	1	12/8/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0821	10	ND	1	12/8/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Sample ID: ITL0427-14 (MW-14 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L1003	0.50	**16**	1	12/9/2010	12/9/2010	
Ethylbenzene	EPA 8260B	10L1003	0.50	**6.2**	1	12/9/2010	12/9/2010	
Toluene	EPA 8260B	10L1003	0.50	**9.9**	1	12/9/2010	12/9/2010	
m,p-Xylenes	EPA 8260B	10L1003	1.0	**2.0**	1	12/9/2010	12/9/2010	
o-Xylene	EPA 8260B	10L1003	0.50	ND	1	12/9/2010	12/9/2010	
Xylenes, Total	EPA 8260B	10L1003	1.0	**2.3**	1	12/9/2010	12/9/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L1003	0.50	**0.81**	1	12/9/2010	12/9/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L1003	0.50	ND	1	12/9/2010	12/9/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L1003	0.50	ND	1	12/9/2010	12/9/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L1003	0.50	ND	1	12/9/2010	12/9/2010	
tert-Butanol (TBA)	EPA 8260B	10L1003	10	ND	1	12/9/2010	12/9/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*93 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-15 (MW-15 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0821	5.0	**440**	10	12/8/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0821	5.0	**19**	10	12/8/2010	12/8/2010	
Toluene	EPA 8260B	10L0821	5.0	**160**	10	12/8/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0821	10	**38**	10	12/8/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0821	5.0	**13**	10	12/8/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0821	10	**51**	10	12/8/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0821	5.0	ND	10	12/8/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0821	5.0	ND	10	12/8/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0821	5.0	ND	10	12/8/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0821	5.0	ND	10	12/8/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0821	100	ND	10	12/8/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Sample ID: ITL0427-16 (MW-16 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0821	2.5	**200**	5	12/8/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0821	2.5	**30**	5	12/8/2010	12/8/2010	
Toluene	EPA 8260B	10L0821	2.5	**53**	5	12/8/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0821	5.0	**21**	5	12/8/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0821	2.5	**5.4**	5	12/8/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0821	5.0	**26**	5	12/8/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0821	2.5	**40**	5	12/8/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0821	2.5	ND	5	12/8/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0821	2.5	ND	5	12/8/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0821	2.5	ND	5	12/8/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0821	50	ND	5	12/8/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL0427-17 (QA - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Ethylbenzene	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Toluene	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
m,p-Xylenes	EPA 8260B	10L0821	1.0	ND	1	12/8/2010	12/8/2010	
o-Xylene	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Xylenes, Total	EPA 8260B	10L0821	1.0	ND	1	12/8/2010	12/8/2010	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L0821	0.50	ND	1	12/8/2010	12/8/2010	
tert-Butanol (TBA)	EPA 8260B	10L0821	10	ND	1	12/8/2010	12/8/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1078 Extracted: 12/09/10										
Blank Analyzed: 12/10/2010 (10L1078-BLK1)										
GRO (C4 - C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	*9.00*		*ug/l*	*10.0*		*90*	*65-140*			
LCS Analyzed: 12/09/2010 (10L1078-BS1)										
GRO (C4 - C12)	780	50	ug/l	800		97	80-120			
Surrogate: 4-BFB (FID)	*10.9*		*ug/l*	*10.0*		*109*	*65-140*			
Matrix Spike Analyzed: 12/10/2010 (10L1078-MS1)					**Source: ITL0684-03**					
GRO (C4 - C12)	240	50	ug/l	220	ND	109	65-140			
Surrogate: 4-BFB (FID)	*8.79*		*ug/l*	*10.0*		*88*	*65-140*			
Matrix Spike Dup Analyzed: 12/10/2010 (10L1078-MSD1)					**Source: ITL0684-03**					
GRO (C4 - C12)	243	50	ug/l	220	ND	111	65-140	1	20	
Surrogate: 4-BFB (FID)	*9.08*		*ug/l*	*10.0*		*91*	*65-140*			
Batch: 10L1363 Extracted: 12/11/10										
Blank Analyzed: 12/12/2010 (10L1363-BLK1)										
GRO (C4 - C12)	ND	50	ug/l							
Surrogate: 4-BFB (FID)	*9.72*		*ug/l*	*10.0*		*97*	*65-140*			
LCS Analyzed: 12/12/2010 (10L1363-BS1)										
GRO (C4 - C12)	701	50	ug/l	800		88	80-120			
Surrogate: 4-BFB (FID)	*13.1*		*ug/l*	*10.0*		*131*	*65-140*			
Matrix Spike Analyzed: 12/12/2010 (10L1363-MS1)					**Source: ITL0500-03**					
GRO (C4 - C12)	246	50	ug/l	220	ND	112	65-140			
Surrogate: 4-BFB (FID)	*10.7*		*ug/l*	*10.0*		*107*	*65-140*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1363 Extracted: 12/11/10										
Matrix Spike Dup Analyzed: 12/12/2010 (10L1363-MSD1)					Source: ITL0500-03					
GRO (C4 - C12)	252	50	ug/l	220	ND	114	65-140	2	20	
Surrogate: 4-BFB (FID)	*11.0*		*ug/l*	*10.0*		*110*	*65-140*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0716 Extracted: 12/07/10										
Blank Analyzed: 12/07/2010 (10L0716-BLK1)										
DRO (C13-C22)	ND	500	ug/l							
ORO (C23-C40)	ND	500	ug/l							
EFH (C13 - C40)	ND	500	ug/l							
EFH (C10 - C28)	ND	500	ug/l							
Surrogate: n-Octacosane	*141*		*ug/l*	*200*		*71*	*45-120*			
LCS Analyzed: 12/07/2010 (10L0716-BS1)										MNR1
EFH (C10 - C28)	770	500	ug/l	1000		77	40-115			
Surrogate: n-Octacosane	*148*		*ug/l*	*200*		*74*	*45-120*			
LCS Dup Analyzed: 12/07/2010 (10L0716-BSD1)										
EFH (C10 - C28)	769	500	ug/l	1000		77	40-115	0.2	25	
Surrogate: n-Octacosane	*152*		*ug/l*	*200*		*76*	*45-120*			
Batch: 10L0844 Extracted: 12/08/10										
Blank Analyzed: 12/08/2010 (10L0844-BLK1)										
DRO (C13-C22)	ND	500	ug/l							
ORO (C23-C40)	ND	500	ug/l							
EFH (C13 - C40)	ND	500	ug/l							
EFH (C10 - C28)	ND	500	ug/l							
Surrogate: n-Octacosane	*158*		*ug/l*	*200*		*79*	*45-120*			
LCS Analyzed: 12/08/2010 (10L0844-BS1)										
EFH (C10 - C28)	786	500	ug/l	1000		79	40-115			
Surrogate: n-Octacosane	*159*		*ug/l*	*200*		*80*	*45-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0844 Extracted: 12/08/10										
Matrix Spike Analyzed: 12/08/2010 (10L0844-MS1)					**Source: ITL0466-01**					
EFH (C10 - C28)	798	470	ug/l	943	ND	85	40-120			
Surrogate: n-Octacosane	*148*		*ug/l*	*189*		*79*	*45-120*			
Matrix Spike Dup Analyzed: 12/08/2010 (10L0844-MSD1)					**Source: ITL0466-01**					
EFH (C10 - C28)	780	470	ug/l	943	ND	83	40-120	2	30	
Surrogate: n-Octacosane	*156*		*ug/l*	*189*		*83*	*45-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0689 Extracted: 12/07/10										
Blank Analyzed: 12/07/2010 (10L0689-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	0.50	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	0.50	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 12/07/2010 (10L0689-BS1)										
Benzene	22.0	0.50	ug/l	25.0		88	70-120			
Ethylbenzene	25.5	0.50	ug/l	25.0		102	75-125			
Toluene	23.2	0.50	ug/l	25.0		93	70-120			
m,p-Xyleues	46.4	1.0	ug/l	50.0		93	75-125			
o-Xylene	23.4	0.50	ug/l	25.0		93	75-125			
Xylenes, Total	69.8	1.0	ug/l	75.0		93	70-125			
Di-isopropyl Ether (DIPE)	22.7	0.50	ug/l	25.0		91	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.9	0.50	ug/l	25.0		92	65-135			
Methyl-tert-butyl Ether (MTBE)	22.8	0.50	ug/l	25.0		91	60-135			
tert-Amyl Methyl Ether (TAME)	22.4	0.50	ug/l	25.0		90	60-135			
tert-Butanol (TBA)	131	10	ug/l	125		105	70-135			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0689 Extracted: 12/07/10										
Matrix Spike Analyzed: 12/07/2010 (10L0689-MS1)					Source: ITL0253-01					
Benzene	20.7	0.50	ug/l	25.0	ND	83	65-125			
Ethylbenzene	22.9	0.50	ug/l	25.0	ND	92	65-130			
Toluene	21.7	0.50	ug/l	25.0	ND	87	70-125			
m,p-Xylenes	41.2	1.0	ug/l	50.0	ND	82	65-130			
o-Xylene	21.2	0.50	ug/l	25.0	ND	85	65-125			
Xylenes, Total	62.4	1.0	ug/l	75.0	ND	83	60-130			
Di-isopropyl Ether (DIPE)	22.3	0.50	ug/l	25.0	ND	89	60-140			
Ethyl tert-Butyl Ether (ETBE)	22.0	0.50	ug/l	25.0	ND	88	60-135			
Methyl-tert-butyl Ether (MTBE)	22.5	0.50	ug/l	25.0	ND	90	55-145			
tert-Amyl Methyl Ether (TAME)	21.1	0.50	ug/l	25.0	ND	85	60-140			
tert-Butanol (TBA)	121	10	ug/l	125	ND	97	65-140			
Surrogate: 4-Bromofluorobenzene	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*26.4*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 12/07/2010 (10L0689-MSD1)					Source: ITL0253-01					
Benzene	22.1	0.50	ug/l	25.0	ND	88	65-125	7	20	
Ethylbenzene	24.4	0.50	ug/l	25.0	ND	98	65-130	6	20	
Toluene	23.3	0.50	ug/l	25.0	ND	93	70-125	7	20	
m,p-Xylenes	43.3	1.0	ug/l	50.0	ND	87	65-130	5	25	
o-Xylene	22.7	0.50	ug/l	25.0	ND	91	65-125	7	20	
Xylenes, Total	66.0	1.0	ug/l	75.0	ND	88	60-130	6	20	
Di-isopropyl Ether (DIPE)	24.8	0.50	ug/l	25.0	ND	99	60-140	10	25	
Ethyl tert-Butyl Ether (ETBE)	25.8	0.50	ug/l	25.0	ND	103	60-135	16	25	
Methyl-tert-butyl Ether (MTBE)	25.5	0.50	ug/l	25.0	ND	102	55-145	13	25	
tert-Amyl Methyl Ether (TAME)	25.1	0.50	ug/l	25.0	ND	100	60-140	17	30	
tert-Butanol (TBA)	130	10	ug/l	125	ND	104	65-140	7	25	
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*27.5*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0821 Extracted: 12/08/10										
Blank Analyzed: 12/08/2010 (10L0821-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	0.50	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	0.50	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
LCS Analyzed: 12/08/2010 (10L0821-BS1)										
Benzene	24.4	0.50	ug/l	25.0		98	70-120			
Ethylbenzene	26.6	0.50	ug/l	25.0		106	75-125			
Toluene	25.2	0.50	ug/l	25.0		101	70-120			
m,p-Xylenes	55.1	1.0	ug/l	50.0		110	75-125			
o-Xylene	28.5	0.50	ug/l	25.0		114	75-125			
Xylenes, Total	83.6	1.0	ug/l	75.0		111	70-125			
Di-isopropyl Ether (DIPE)	23.4	0.50	ug/l	25.0		93	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.0	0.50	ug/l	25.0		96	65-135			
Methyl-tert-butyl Ether (MTBE)	23.1	0.50	ug/l	25.0		92	60-135			
tert-Amyl Methyl Ether (TAME)	24.9	0.50	ug/l	25.0		100	60-135			
tert-Butanol (TBA)	112	10	ug/l	125		90	70-135			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0821 Extracted: 12/08/10										
Matrix Spike Analyzed: 12/08/2010 (10L0821-MS1)					**Source: ITL0511-03**					
Benzene	23.8	0.50	ug/l	25.0	0.570	93	65-125			
Ethylbenzene	26.3	0.50	ug/l	25.0	0.710	102	65-130			
Toluene	27.3	0.50	ug/l	25.0	4.09	93	70-125			
m,p-Xylenes	54.8	1.0	ug/l	50.0	2.63	104	65-130			
o-Xylene	27.4	0.50	ug/l	25.0	1.13	105	65-125			
Xylenes, Total	82.2	1.0	ug/l	75.0	3.76	105	60-130			
Di-isopropyl Ether (DIPE)	20.5	0.50	ug/l	25.0	ND	82	60-140			
Ethyl tert-Butyl Ether (ETBE)	21.0	0.50	ug/l	25.0	ND	84	60-135			
Methyl-tert-butyl Ether (MTBE)	20.7	0.50	ug/l	25.0	ND	83	55-145			
tert-Amyl Methyl Ether (TAME)	22.0	0.50	ug/l	25.0	ND	88	60-140			
tert-Butanol (TBA)	107	10	ug/l	125	ND	85	65-140			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*27.4*		*ug/l*	*25.0*		*109*	*80-120*			
Matrix Spike Dup Analyzed: 12/08/2010 (10L0821-MSD1)					**Source: ITL0511-03**					
Benzene	23.3	0.50	ug/l	25.0	0.570	91	65-125	2	20	
Ethylbenzene	25.3	0.50	ug/l	25.0	0.710	99	65-130	4	20	
Toluene	27.2	0.50	ug/l	25.0	4.09	92	70-125	0.4	20	
m,p-Xylenes	53.1	1.0	ug/l	50.0	2.63	101	65-130	3	25	
o-Xylene	26.6	0.50	ug/l	25.0	1.13	102	65-125	3	20	
Xylenes, Total	79.7	1.0	ug/l	75.0	3.76	101	60-130	3	20	
Di-isopropyl Ether (DIPE)	19.1	0.50	ug/l	25.0	ND	76	60-140	7	25	
Ethyl tert-Butyl Ether (ETBE)	20.2	0.50	ug/l	25.0	ND	81	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0	ND	80	55-145	3	25	
tert-Amyl Methyl Ether (TAME)	21.4	0.50	ug/l	25.0	ND	86	60-140	3	30	
tert-Butanol (TBA)	107	10	ug/l	125	ND	85	65-140	0	25	
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0835 Extracted: 12/08/10										
Blank Analyzed: 12/08/2010 (10L0835-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	0.50	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	0.50	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*21.1*		*ug/l*	*25.0*		*85*	*80-120*			
Surrogate: Dibromofluoromethane	*22.3*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Toluene-d8	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
LCS Analyzed: 12/08/2010 (10L0835-BS1)										
Benzene	21.8	0.50	ug/l	25.0		87	70-120			
Ethylbenzene	22.6	0.50	ug/l	25.0		90	75-125			
Toluene	21.7	0.50	ug/l	25.0		87	70-120			
m,p-Xylenes	46.5	1.0	ug/l	50.0		93	75-125			
o-Xylene	22.9	0.50	ug/l	25.0		92	75-125			
Xylenes, Total	69.4	1.0	ug/l	75.0		93	70-125			
Di-isopropyl Ether (DIPE)	21.4	0.50	ug/l	25.0		86	60-135			
Ethyl tert-Butyl Ether (ETBE)	23.4	0.50	ug/l	25.0		93	65-135			
Methyl-tert-butyl Ether (MTBE)	19.8	0.50	ug/l	25.0		79	60-135			
tert-Amyl Methyl Ether (TAME)	22.3	0.50	ug/l	25.0		89	60-135			
tert-Butanol (TBA)	128	10	ug/l	125		103	70-135			
Surrogate: 4-Bromofluorobenzene	*22.6*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*22.6*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Snite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L0835 Extracted: 12/08/10										
Matrix Spike Analyzed: 12/08/2010 (10L0835-MS1)					**Source: ITL0500-03**					
Benzene	24.1	0.50	ug/l	25.0	0.460	95	65-125			
Ethylbenzene	24.4	0.50	ug/l	25.0	ND	98	65-130			
Toluene	23.6	0.50	ug/l	25.0	ND	94	70-125			
m,p-Xylenes	51.2	1.0	ug/l	50.0	ND	102	65-130			
o-Xylene	24.7	0.50	ug/l	25.0	ND	99	65-125			
Xylenes, Total	75.9	1.0	ug/l	75.0	ND	101	60-130			
Di-isopropyl Ether (DIPE)	23.0	0.50	ug/l	25.0	ND	92	60-140			
Ethyl tert-Butyl Ether (ETBE)	25.2	0.50	ug/l	25.0	ND	101	60-135			
Methyl-tert-butyl Ether (MTBE)	22.9	0.50	ug/l	25.0	0.920	88	55-145			
tert-Amyl Methyl Ether (TAME)	24.5	0.50	ug/l	25.0	ND	98	60-140			
tert-Butanol (TBA)	135	10	ug/l	125	ND	108	65-140			
Surrogate: 4-Bromofluorobenzene	*22.5*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 12/08/2010 (10L0835-MSD1)					**Source: ITL0500-03**					
Benzene	23.3	0.50	ug/l	25.0	0.460	91	65-125	3	20	
Ethylbenzene	23.6	0.50	ug/l	25.0	ND	94	65-130	3	20	
Toluene	22.9	0.50	ug/l	25.0	ND	92	70-125	3	20	
m,p-Xylenes	48.9	1.0	ug/l	50.0	ND	98	65-130	5	25	
o-Xylene	23.9	0.50	ug/l	25.0	ND	95	65-125	4	20	
Xylenes, Total	72.8	1.0	ug/l	75.0	ND	97	60-130	4	20	
Di-isopropyl Ether (DIPE)	22.1	0.50	ug/l	25.0	ND	88	60-140	4	25	
Ethyl tert-Butyl Ether (ETBE)	24.2	0.50	ug/l	25.0	ND	97	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	0.920	83	55-145	6	25	
tert-Amyl Methyl Ether (TAME)	23.4	0.50	ug/l	25.0	ND	93	60-140	5	30	
tert-Butanol (TBA)	130	10	ug/l	125	ND	104	65-140	3	25	
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*22.7*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1003 Extracted: 12/09/10										
Blank Analyzed: 12/09/2010 (10L1003-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	0.50	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	0.50	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*21.6*		*ug/l*	*25.0*		*87*	*80-120*			
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
LCS Analyzed: 12/09/2010 (10L1003-BS1)										
Benzene	22.0	0.50	ug/l	25.0		88	70-120			
Ethylbenzene	22.7	0.50	ug/l	25.0		91	75-125			
Toluene	23.0	0.50	ug/l	25.0		92	70-120			
m,p-Xylenes	48.0	1.0	ug/l	50.0		96	75-125			
o-Xylene	23.0	0.50	ug/l	25.0		92	75-125			
Xylenes, Total	71.0	1.0	ug/l	75.0		95	70-125			
Di-isopropyl Ether (DIPE)	19.8	0.50	ug/l	25.0		79	60-135			
Ethyl tert-Butyl Ether (ETBE)	19.2	0.50	ug/l	25.0		77	65-135			
Methyl-tert-butyl Ether (MTBE)	18.7	0.50	ug/l	25.0		75	60-135			
tert-Amyl Methyl Ether (TAME)	19.9	0.50	ug/l	25.0		80	60-135			
tert-Butanol (TBA)	113	10	ug/l	125		91	70-135			
Surrogate: 4-Bromofluorobenzene	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1003 Extracted: 12/09/10										
Matrix Spike Analyzed: 12/09/2010 (10L1003-MS1)					Source: ITL0579-12					
Benzene	52.8	0.50	ug/l	25.0	29.4	94	65-125			
Ethylbenzene	27.1	0.50	ug/l	25.0	3.26	95	65-130			
Toluene	24.3	0.50	ug/l	25.0	1.51	91	70-125			
m,p-Xylenes	58.5	1.0	ug/l	50.0	7.37	102	65-130			
o-Xylene	25.6	0.50	ug/l	25.0	1.43	97	65-125			
Xylenes, Total	84.1	1.0	ug/l	75.0	8.80	100	60-130			
Di-isopropyl Ether (DIPE)	20.9	0.50	ug/l	25.0	0.430	82	60-140			
Ethyl tert-Butyl Ether (ETBE)	20.6	0.50	ug/l	25.0	ND	83	60-135			
Methyl-tert-butyl Ether (MTBE)	32.1	0.50	ug/l	25.0	10.3	87	55-145			
tert-Amyl Methyl Ether (TAME)	21.8	0.50	ug/l	25.0	ND	87	60-140			
tert-Butanol (TBA)	185	10	ug/l	125	62.3	98	65-140			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*23.6*		*ug/l*	*25.0*		*94*	*80-120*			
Matrix Spike Dup Analyzed: 12/09/2010 (10L1003-MSD1)					Source: ITL0579-12					
Benzene	54.2	0.50	ug/l	25.0	29.4	99	65-125	3	20	
Ethylbenzene	27.6	0.50	ug/l	25.0	3.26	97	65-130	2	20	
Toluene	25.2	0.50	ug/l	25.0	1.51	95	70-125	4	20	
m,p-Xylenes	59.2	1.0	ug/l	50.0	7.37	104	65-130	1	25	
o-Xylene	26.0	0.50	ug/l	25.0	1.43	98	65-125	1	20	
Xylenes, Total	85.2	1.0	ug/l	75.0	8.80	102	60-130	1	20	
Di-isopropyl Ether (DIPE)	21.8	0.50	ug/l	25.0	0.430	86	60-140	4	25	
Ethyl tert-Butyl Ether (ETBE)	21.6	0.50	ug/l	25.0	ND	86	60-135	5	25	
Methyl-tert-butyl Ether (MTBE)	33.6	0.50	ug/l	25.0	10.3	93	55-145	5	25	
tert-Amyl Methyl Ether (TAME)	22.9	0.50	ug/l	25.0	ND	92	60-140	5	30	
tert-Butanol (TBA)	191	10	ug/l	125	62.3	103	65-140	3	25	
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

DATA QUALIFIERS AND DEFINITIONS

MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.

QP1 Hydrocarbon result partly due to individual peak(s) in quantitation range.

RL4 Reporting limit raised due to insuffieient sample volume.

Z3 The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was redueed to a level where the reeovery calculation does not provide useful iuformation.

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Duc to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Uuless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Arcadis US Inc Costa Mesa
3150 Bristol Street, Suite 250
Costa Mesa, CA 92626
Attention: Christopher Ota

Project ID: Chevron - 21-1316
B0060901.1316
Report Number: ITL0427

Sampled: 12/02/10
Received: 12/03/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

ITL0427

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Chris Ota	Site Contact:	Date:	COC No:
Arcadis - U.S., Inc. - Los Angeles	Tel/Fax: 714.755.7220	Lab Contact: Sushmitha Reddy	Carrier:	1 of 2 COCs
3150 Bristol Street, Suite 250	Analysis Turnaround Time			Job No.
Costa Mesa, CA 92626	Calendar (C) or Work Days (W) _____			
714-755-7257 Phone	TAT if different from Below _____			SDG No.
714-444-0117 FAX	■ 2 weeks			
Project Name: Chevron 21-1316	☐ 1 week			
Site: 1209 Carson St, Carson	☐ 2 days			
P O B0060901.1316 Global ID: T0603722212	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	GRO, DRO, and ORO (C9-C12) by 8015	BTEX+Oxys+Methane by 8260	Nitrate and Sulfate (1,4)	Ferrous Iron	Sample Specific Notes:
MW-1	12/2/10	1300	VOA & AMBER	W	8		x	x			
MW-2		1215		W	8		x	x			
MW-3		1200		W	8		x	x			
MW-4		1150		W	8		x	x			
MW-5		1135		W	8		x	x			
MW-6		1225		W	8		x	x			
MW-7		1240		W	8		x	x			
MW-8		1125		W	8		x	x			
MW-9		1115		W	8		x	x			
MW-10		0955		W	8		x	x			
MW-11		1255		W	8		x	x			
MW-12		1135		W	8		x	x			
							1,2	1,2	1,4		

Lit 12-6-10 12-10-10

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BLAINE	12/2/10 1550		BLAINE	12/2/10 1550
	BFS	12/3/10 1520		TAT	12/3/10 1550
	TAT	12/3/10 1801		TAT	12/3/10 1801

#03AR2 (3) 2-1C

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Chris Ota	Site Contact:	Date:	COC No:
Arcadis - U.S., Inc. - Los Angeles	Tel/Fax: 714.755.7220	Lab Contact: Sushmitha Reddy	Carrier:	2 of 2 COCs
3160 Bristol Street, Suite 250	Analysis Turnaround Time			Job No.
Costa Mesa, CA 92626	Calendar (C) or Work Days (W) _____			
714-755-7257 Phone	TAT if different from Below _____			SDG No.
714-444-0117 FAX	■ 2 weeks			
Project Name: Chevron 21-1316	☐ 1 week			
Site: 1209 Carson St, Carson	☐ 2 days			
P O B0060901.1316 Global ID: T0603722212	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	GRO, DRO, and ORO (C4-C12) by 8015	BTEX+Oxys+Naphthalene by 8260 (1)	GRO by 8015	Ferrous Iron	Sample Specific Notes:
MW-13	12/2/10	1225	VOA & AMBER	W	8	x	x			
MW-14		1240		W	8	x	x			
MW-15		1150		W	8	x	x			
MW-16		1205	↓	W	8	x	x			
QA	↓	0700	VOA	T	3		x	x		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 1,2 1,2 1,4

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	BLAINE	12/2/10 1550		BLAINE	12/2/10 1550
	BTS	12/3/10 1550		TAT	12/3/10 1550
	TAT	12/3/10 1041			

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

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

Submittal Type:	GEO_WELL
Submittal Title:	211316 4Q10 GEO_WELL
Facility Global ID:	T0603722212
Facility Name:	TEXACO SERVICE STATION (FORMER)
File Name:	GEO_WELL.zip
Organization Name:	ARCADIS US
Username:	RKANDRESEN
IP Address:	216.207.98.100
Submittal Date/Time:	1/7/2011 9:08:49 AM
Confirmation Number:	5817789733

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

Submittal Type:	EDF - Monitoring Report - Semi-Annually
Submittal Title:	211316 4Q10 ITL0427
Facility Global ID:	T0603722212
Facility Name:	TEXACO SERVICE STATION (FORMER)
File Name:	ITL0427_RECREATE_EDF12I_16_DEC_10_0933.ZIP
Organization Name:	ARCADIS US
Username:	RKANDRESEN
IP Address:	216.207.98.100
Submittal Date/Time:	1/7/2011 9:10:07 AM
Confirmation Number:	2528458952

VIEW QC REPORT

VIEW DETECTIONS REPORT

AMY E. GAYLORD (SBN 217553)
PILLSBURY WINTHROP SHAW PITTMAN LLP
50 Fremont Street
San Francisco, CA 94105
Telephone: (415) 983-1000
Facsimile: (415) 983-1200
E-mail: amy.gaylord@pillsburylaw.com

Attorneys for Petitioner,
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY

STATE WATER RESOURCES CONTROL BOARD

In the Matter of the California Regional Water Quality Control Board – Los Angeles Region Requirement to Provide a Technical Report on Soil and Groundwater Investigation (California Water Code Section 13267 Order) Directed to "Chevron Environmental Management Company"; Former Texaco Gasoline Station, Chevron Facility No. 21-1316, 1209 E. Carson Street, Carson, California (UST Case No. 21-1316)	**DECLARATION OF AMY E. GAYLORD IN SUPPORT OF CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY'S PETITION FOR REVIEW, REQUEST FOR HEARING, AND REQUEST FOR STAY**

I, Amy E. Gaylord, declare and state as follows:

1. I am a licensed attorney with the law firm Pillsbury Winthrop Shaw Pittman LLP. I am representing Chevron Environmental Management Company ("EMC" or "Petitioner") in the instant action. This declaration is submitted in support of EMC's Petition to the State Board challenging the April 26, 2011 action of the California Regional Water Quality Control Board, Los Angeles Region ("Regional Board") in issuing the order entitled "*Requirement to Provide Technical Report on Soil and Groundwater Investigation (California Water Code Section 13267) Directed To 'Chevron Environmental Management Company' Former Texaco Gasoline Station Chevron Facility no. 21-1316 1209 E. Carson Street, Carson, California (UST Case No. 21-1316)*" (the "Order"). Unless otherwise stated, I have personal knowledge of the matters stated here in and could and would testify competently thereto.

2. A true and correct copy of the Order is attached as Exhibit 1 hereto.

3. After receiving the Order, Petitioner responded to the Board by letter dated May 6, 2007, a copy of which is attached hereto as Exhibit 2.

4. On May 24, 2011, Petitioner received a response from the Regional Board (dated May 23, 2011) indicating, among other things, that the Order to "CEMC regarding the former Texaco Service Station is not rescinded." A true and correct copy of that letter is attached hereto as Exhibit 3.

5. On May 13, 2011, the Regional Board held a meeting in Los Angeles with the Order recipients. I attended on Petitioner's behalf. At the time, a slide presentation was given, and the slides were later uploaded to the Geotracker website. A true and correct copy of the slide presentation is attached hereto as Exhibit 4.

6. On May 17, 2011, the Regional Board issued a Cleanup and Abatement Order to the Los Angeles Department of Public Works, directing it to "assess, monitor, cleanup the waste, and abate the effects of the ongoing discharge of LNAPL and other wastes within the Dominguez Channel, approximately 400 feet south of Carson Street in

Carson, California." A true and correct copy of that order was obtained from the Geotracker website and is attached hereto as Exhibit 5.

I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Dated this 26th day of May, 2011, in San Francisco, California.

By _____
AMY E. GAYLORD
Attorney for Petitioner
CHEVRON ENVIRONMENTAL
MANAGEMENT COMPANY

EXHIBIT 1

California Regional Water Quality Control Board
Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • FAX (213) 576-6640
http://www.waterboards.ca.gov/losangeles

Linda S. Adams
Acting Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

April 26, 2011

Mr. John Crippen
Chevron Pipeline
16301 Trojan Way
La Mirada, CA 90638

SUBJECT: REQUIREMENT FOR TECHNICAL REPORT – PURSUANT TO CALIFORNIA WATER CODE SECTION 13267 ORDER

SITE/CASE: DOMINGUEZ CHANNEL, SOUTH OF CARSON STREET CARSON, CALIFORNIA

Dear Mr. Crippen:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is the public agency with primary responsibility for the protection of groundwater and surface water quality for all beneficial uses within major portions of Los Angeles and Ventura counties, including the referenced Site. To accomplish this, the Regional Board oversees the investigation and cleanup of unregulated discharges adversely affecting the State's water, authorized by the Porter-Cologne Water Quality Control Act (California Water Code [CWC], Division 7).

Since January 2011, light non-aqueous phase liquids (LNAPL) have been appearing within the Dominguez Channel in Carson, California, approximately 400 feet south of Carson Street. The petroleum product has been observed (1) entering into channel waters from sediments within the bottom of the channel and (2) within horizontal, perforated sub-drain pipe systems installed within both the west and east channel levees.

This Regional Board has been working in collaboration with other agencies, under United States Environmental Protection Agency (USEPA) lead, to facilitate the assessment and remedy of the release. As the channel owner and operator, the Los Angeles County Department of Public Works (LADPW) has been performing containment operations using booms and absorbent pads in the channel. In addition to the recovery of released product to channel waters, this Regional Board has requested that LADPW extract LNAPL from the sub-drain piping systems on both sides of the channel.

Samples of product entering channel waters from sediments in the bottom of the channel have been determined to contain primarily gasoline-range hydrocarbons, with smaller fractions of heavier-end (diesel- and oil-range) hydrocarbons. Product examined from the western sub-drain system was observed to be approximately 0.25 inch thick on one occasion with a clear and colorless appearance. Product examined from the eastern sub-drain system was observed to be dark brown to black and translucent. Based upon the variation in the visual appearance of the product, this Regional Board suspects that multiple releases of petroleum may be involved. The sources of the release have not been identified.

We have determined that, to protect the beneficial uses of the waters beneath the Site, an assessment of the full extent of impacts to the subsurface from the identified contaminants of concern is required.

Enclosed is a Regional Board Order requiring, pursuant to section 13267 of the CWC, that you complete assessments of the contaminants of concern impacting soil, soil vapor, and groundwater at the Dominguez Channel and determine the extent to which your facility may have contributed to the release.

Similar Orders are being sent to multiple suspected Responsible Parties in the vicinity of the release, including you. The attached Order includes a table that lists these parties. At your discretion, you may collaborate with some or all of the other parties to satisfy the requirements of the Order.

If you have any questions, please contact Mr. Greg Bishop at (213) 576-6727 or gbishop@waterboards.ca.gov.

Sincerely,

Samuel Unger

Samuel Unger, P.E.
Executive Officer

Enclosure

California Regional Water Quality Control Board
Los Angeles Region

320 West Fourth Street, Suite 200, Los Angeles, California 90013
(213) 576-6600 • FAX (213) 576-6640
http://www.waterboards.ca.gov/losangeles

Linda S. Adams
Acting Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

REQUIREMENT TO PROVIDE A TECHNICAL REPORT ON SOIL AND GROUNDWATER INVESTIGATION (CALIFORNIA WATER CODE SECTION 13267[1])

DIRECTED TO "CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY"

FORMER TEXACO GASOLINE STATION
CHEVRON FACILITY NO. 21-1316
1209 E. CARSON STREET
CARSON, CALIFORNIA
(UST CASE NO. 21-1316)

You are legally obligated to respond to this Order. Please read this carefully.

Since January 2011, light non-aqueous phase liquids (LNAPL) have been appearing within the Dominguez Channel in Carson, California, approximately 400 feet south of Carson Street. The petroleum product has been observed (1) entering into channel waters from sediments within the bottom of the channel and (2) within horizontal, perforated sub-drain pipe systems installed within both the west and east channel levees.

Pursuant to section 13267(b) of the California Water Code (CWC), you are hereby directed to submit the following:

1. By **June 8, 2011,** a work plan to delineate the vertical and lateral extent of petroleum impact in the vicinity of the release. The work plan shall be prepared with the intent of determining (1) the extent of petroleum impact from the Site and (2) if your facility has contributed to the release in the Dominguez Channel. The work plan shall place an emphasis on expedient groundwater delineation but shall also include plans to delineate soil and soil gas impacts. The work plan shall propose initial sampling locations, describe proposed sampling and analytical techniques, provide a proposed timeline for activities, and include provisions for follow-up work in the event the proposed work does not sufficiently define the extent of impact.

[1] California Water Code section 13267 states, in part: (b)(1) In conducting an investigation. . ., the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or, discharging, or who proposes to discharge waste within its region . . .shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.

2. After approval by the Regional Board Executive Officer, implement the work plan and report results in accordance with the approved work plan schedule.

The work plan shall be submitted via e-mail (in portable document format [pdf]) with one paper hard-copy to:

Mr. Greg Bishop, P.G.
Engineering Geologist
Regional Water Quality Control Board – Los Angeles Region
320 W. 4th Street, Los Angeles, CA 90013
(213) 576-6727
gbishop@waterboards.ca.gov

Pursuant to section 13268(b)(1) of the CWC, failure to submit the required technical or monitoring report described in paragraph 1 above may result in the imposition of civil liability penalties by the Regional Board, without further warning, of up to $1,000 per day for each day the report is not received after the due dates.

The Regional Board needs the required information to determine (1) the extent of petroleum impact beneath and near the ongoing release within the Dominguez Channel, approximately 400 feet south of Carson Street in Carson, California and (2) whether your facility has contributed to the petroleum release.

The evidence supporting this requirement is your operation of a petroleum facility near the release site (see the attached table).

We believe that the burdens, including costs, of these reports bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. If you disagree and have information about the burdens, including costs, of complying with these requirements, provide such information to Mr. Greg Bishop within ten days of the date of this letter so that we may reconsider the requirements.

Please note that effective immediately, the Regional Board, under the authority given by California Water Code (CWC) section 13267, subdivision (b)(1), requires you to include a perjury statement in all reports submitted under the 13267 Order. The perjury statement shall be signed by a senior authorized Chevron Company representative (not by a consultant). The perjury statement shall be in the following format:

"I, [NAME], do hereby declare, under penalty of perjury under laws of State of California, that I am [JOB TITLE] for Chevron Company, that I am authorized to attest, that veracity of the information contained in [NAME AND DATE OF THE REPORT] is true and correct, and that this declaration was executed at [PLACE], [STATE],on [DATE]."

The State Water Resources Control Board (State Water Board) adopted regulations requiring the electronic submittals of information over the Internet using the State Water Board GeoTracker data management system. You are required not only to submit hard copy reports required in this Order, but

also to comply by uploading all reports and correspondence prepared to date on to the GeoTracker data management system. The text of the regulations can be found at the URL:

http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal.

Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must *receive* the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at:

http://www.waterboards.ca.gov/public_notices/petitions/water_quality

or will be provided upon request.

SO ORDERED.

Samuel Unger, P.E.
Executive Officer

Enclosure: Recipients of CWC Section 13267 Orders Associated with a Petroleum Release near Carson Street in Dominguez Channel, Carson, California, April 26, 2011

Recipients of CWC Section 13267 Orders
Associated with a Petroleum Release near Carson Street in the Dominguez Channel, Carson, California
April 26, 2011

Recipient	Salutation	First Name	Last Name	Company	Address	City	State	Zip	Phone	E-Mail	Basis for Order	Regional Board Program: Case Number
1	Mr.	John	Crippen	Chevron Pipeline	16301 Trojan Way	La Mirada	CA	90638	714-936-4678	crippj@chevron.com	Former Union Oil pipeline within Perry Street, beneath Active RV, and adjacent to the Dominguez Channel	
2	Ms.	Holly	Quasem	ConocoPhillips Company	3900 Kilroy Airport Way, Suite 210	Long Beach	CA	90806	562-290-1727	holly.quasem@contractor.conocophillips.com	76 Service Station (1025 E. Carson Street) with underground storage tanks operated at the site. Historically, free product (up to 1.28 feet) was identified beneath the site since July 1992. Groundwater samples collected detected TPHg up to 640,000 µg/L, benzene up to 37,000 µg/L, and TBA up to 76,000 µg/L.	UST: I-02903
3	Mr.	Mike	Romley	Crimson Pipeline	2459 Redondo Avenue	Long Beach	CA	90755	562-595-9463	mjromley@crimsonpl.com	Former Union Oil pipeline within Perry Street, beneath Active RV, and adjacent to the Dominguez Channel	
4	Mr.	Eugene	Freed	Shell Oil Products US	20945 S. Wilmington Avenue	Carson	CA	90810-1039	818-991-5356	eugene.freed@shell.com	Former Carson Air Harbor facility	SCP: 0490C
											Pipeline 0367 (water, active; former petroleum, inactive;	
											Pipelines within Perry Street, formerly beneath Active RV and Dominguez Channel	SCP: 0490A/0490B
											Pipeline corridor approximately 400 feet west of I-405 and E. Carson Street	
											Shell Carson Terminal (20945 Wilmington Avenue)	SCP: 0229B
5	Mr.	Daniel	Gabel	Tesoro Corporation	1930 E. Pacific Coast Highway	Wilmington	CA	90744-2911	310-522-8602		Pipeline 0366 (jet fuel, active)	
6	Mr.	Courtland	Prowell	Prowell Family Trust	3997 Mistral Road	Huntington Beach	CA	92649	c/o Mr. Ron Prowell 714-719-1621	c/o Mr. Ron Prowell rcprowell@gmail.com	Former Active RV (1202 E. Carson Street)	SCP: 1110A
											Former Humble Oil Gas Station (1216 E. Carson Street)	SCP: 1110B
7	Mr.	Rob	Speer	Chevron Environmental Management Company	4800 Fourance Pl. #526A	Bellaire	TX	77401	713-432-2142		Former Texaco Gasoline Station (1209 E. Carson Street; Chevron facility 21-1316) with underground storage tanks operated at the site. Historically, a petroleum sheen has been detected at the site since March 2004. LNAPL (0.03 foot) was identified in June 2010. Groundwater samples collected beneath the site detected TPHg up to 370,000 µg/L, TPHd up to 120,000 µg/L benzene up to 14,000 µg/L, MTBE up to 41 µg/L, and TBA up to 54 µg/L.	UST: R-05994
8	Ms.	Donna	Diracho	BP Pipelines	1300 Pier B Street	Long Beach	CA	90813	562-499-2202	donna.dirocco@bp.com	Pipelines north of Carson Street, adjacent to Dominguez Channel (oil and refined product)	
											Pipelines beneath the Dominguez Channel north of Carson Street	
											Pipelines within Recreation Road	

Legend
UST Underground Storage Tank Program
SCP Site Cleanup Program
TPHg Total Petroleum Hydrocarbons (Gasoline Range)
TPHd Total Petroleum Hydrocarbons (Diesel Range)
MTBE Methyl tert-butyl ether
TBA Tert-Butyl Alcohol
LNAPL Light Non-Aqueous Phase Liquids

EXHIBIT 2

Todd Littleworth
Senior Counsel

Environmental Practice Group
Chevron Law Department
Chevron Corporation
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel 925 842 9159
Fax 925 842 8595
tlittleworth@chevron.com

May 6, 2011

Via Email & U.S. Mail

Samuel Unger, P.E.
Executive Officer
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Re: Requirement for Technical Report - Cal. Water Code§13267 Order
Dominquez Channel, Carson, California

Dear Mr. Unger:

I write on behalf of Chevron, Texaco and Unocal in response to the April 26, 2011 order issued under Water Code section 13267 requiring these (and other) entities to prepare and submit a technical report for the investigation of soil and groundwater in the vicinity of the Dominguez Channel in Carson, California (the "Order"). As set forth below, Chevron objects to the issuance of the Order as a violation of the reasonable relationship and full evidence requirements of Water Code section 13267.

Preliminarily, I wish to clarify the entities on behalf of whom Chevron is responding, and to provide you with the proper contact people for each entity. The remediation of the former Texaco service station located at 1209 E. Carson Street is being managed by Chevron Environmental Management Company ("CEMC") and you correctly identified Rob Speer as the point of contact for that site. Chevron Pipe Line Company is identified in the Order as a potentially responsible party ("PRP") for a former Union Oil Pipeline. This is incorrect, although we understand that Chevron may have caused this confusion given that Chevron Pipe Line Company participated in the March meetings on behalf of CEMC. Chevron never operated the pipeline in question. To the extent it may be a Unocal liability—which we dispute, as discussed below—it is a historic liability now managed by Chevron Environmental Management Company. Please direct any future correspondence regarding this pipeline to Ben Terry at CEMC. He may be reached at Chevron Environmental Management Company, 6101 Bollinger Canyon Road, San Ramon, CA 94583. Mr. Terry's telephone number is (925) 790-6240 and his email address is bfterry@chevron.com.

With regard to the merits of the Order, we do not believe it properly complies with Water Code section 13267. The statute requires that the burden, including costs, of any requirement to submit technical or monitoring program reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from them. The Regional Board is further required to provide any party to whom such an order is issued "with a written explanation with regard to the need for the reports and shall identify the evidence that supports requiring that person to provide the reports." Cal. Water Code § 13267(b)(1). This Order does not sufficiently justify the costs of the report demanded nor does it provide adequate evidence for naming the Chevron-related entities.