

**Site-Specific
Health & Safety Plan for
Baseline Assessment**

**Chevron Station # 9-5980
801 West Olympic Blvd.
Montebello, CA**

Prepared for:

**Chevron Products Company
145 S. State College Blvd.
Brea, CA**

Prepared by:



S E C O R

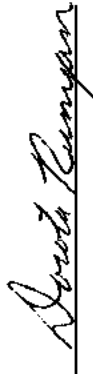
**25864-F Business Center Drive
Redlands, CA 92374
(October 1, 2004)**

**SECOR
HEALTH AND SAFETY PLAN
REVIEW AND APPROVAL**

CLIENT: Chevron Products Company SITE NAME: Chevron #9-5980
PROJECT NAME: Chevron #9-5980 PROJECT NUMBER: 04CH.95980.00
START DATE: October 7, 2004 END DATE: 10-14-04

PLAN EXPIRATION DATE: April 7, 2005
(Last day of expected fieldwork or no longer than 6 months).

Dorota Runyan
Project Manager

Signature: 

Date: 10/5/04

H.D. Pouncey
SECOR Office Health and Safety Coordinator

Signature: 

Date: 10/5/04

Simon Chang
Site Health and Safety Officer

Signature: 

Date: 10/5/04

Bryan Murray
Site Health and Safety Officer

Signature: 

Date: 10-5-04

Date: _____

This Health and Safety Plan has been written for the use of SECOR and its employees. It may also be used as a guidance document by properly trained and experienced SECOR subcontractors and clients.

It is the intent of this document to address our risks. The health and safety guidelines in this Plan were prepared specifically for this site, its conditions, purposes, dates and personnel and must be amended if conditions change. This Plan must not be used on any other site without prior research by trained health and safety specialists.

SECOR claims no responsibility for its use by others for purposes unrelated to this project. This Plan will provide useful information to subcontractors and will assist them in developing their own HASP. Subcontractors should sign this plan (See **Attachment 7**) as an acknowledgement of hazard information and notice that they must ensure that the risks posed by work on this site are addressed. SECOR is readily available to assist subcontractors in identifying and addressing their employees' risks.

ATTACHMENTS

- ATTACHMENT 1 CLIENT'S SAFETY PROCEDURES**
- ATTACHMENT 2 SITE PLAN(S)**
- ATTACHMENT 3 INCIDENT INVESTIGATION FORM & ROOT CAUSE ANALYSIS FLOW CHART**
- ATTACHMENT 4 UTILITY CLEARANCE LOGS**
- ATTACHMENT 5a AIR MONITORING EQUIPMENT CALIBRATION/CHECK LOG**
- ATTACHMENT 5b AIR MONITORING LOG**
- ATTACHMENT 6 DAILY PRODUCTION HEALTH & SAFETY BRIEFING**
- ATTACHMENT 7 ACKNOWLEDGEMENT & AGREEMENT FORM**
- ATTACHMENT 8 SUBCONTRACTOR'S HEALTH AND SAFETY PLAN**

2.0 OBJECTIVES AND GOALS OF THIS HASP

The purpose of this HASP is to:

- ◆ Document a proactive, scientific exposure assessment, which identifies and helps us understand our risks.
- ◆ Document proactive precautions we are going to take to avoid the risks.

Our goal is to:

- ◆ Complete our work on this site without any incidents at all; no injuries, no illnesses, no impacts to the environment or to property and equipment. **NONE!** We have zero tolerance for incidents of any type. We expect all subcontractors and other project participants to share this goal.

3.0 SCOPE OF WORK

The purpose of this project is to:

- ◆ Identify the type and measure the concentration of soil contamination.

This HASP was prepared for the use of SECOR personnel while performing the following tasks:

- Task 1: Conducting a Geophysical Survey.
- Task 2: Coring and clearing borings prior to drilling.
- Task 3: Drilling and soil sampling.

The above stated tasks will be conducted in a manner consistent with the methods and assumptions outlined in the Work Plan Proposal for *Chevron Baseline Assessment* dated September 28, 2004. All work plans referenced in this HASP will be available with SECOR personnel onsite.

4.0 EMERGENCY RESPONSE

The **Site Health & Safety Officer (SHSO)** must be familiar with the directions to the hospital given in **Section 1**.

Injury or Illness

If an injury or illness occurs, take the following action:

- Diagnosis
- Date he/she is able to return to work, regular or light duty
- Date he/she is to return to doctor for follow-up appointment, if necessary
- Signature and address of doctor

If the injured employee is unable to return to the jobsite the same day, the employee who transported him should bring this information back to the jobsite and report it to Mary Harris in Human Resources at (619) 718-9429 and the Director of Industrial Hygiene and Health & Safety, Philip Platow at (617) 232-7355.

Emergency Cases Requiring Ambulance Services

- ◆ Medical cases requiring ambulance services would be such cases as severe head injuries, amputations, heart attacks, etc.
- ◆ Should ambulance service be necessary, the following procedures should be taken immediately.
 - Contact necessary ambulance service and company emergency services by dialing **911** and notify the **SHSO** for the site.
 - Administer first aid until ambulance service arrives.
 - While the injured employee is being transported, the **SHSO** should contact the medical facility to be utilized.
 - One designated representative should accompany the injured employee to the medical facility and remain at the facility until final diagnosis and other relevant information is obtained.

Death of an Individual or Hospitalization of Three or More Employees

The procedure as outlined in "First Aid and Medical Cases", above, should be followed. If the injured person dies, then SECOR Human Resources Department, local officials and coroner must be notified ***immediately***. SECOR Human Resources will notify the **local OSHA office within 8 hours of the incident or fatality** in the event of fatality or hospitalization of three or more employees.

Response to Spills or Cut Lines

Prevent problems by documenting the location of underground lines (e.g., product, sewer, telephone, fiber optic) before starting site work. If a line or tank is drilled through, or another leak occurs, document the event as soon as possible using the Incident Investigation Report in **Attachment 3**. **Notification of the event must be made to SECOR Human Resources within 24 hours**. Include dates, times, actions taken, agreements reached, and

The Subcontractor/Contractor shall instruct its employees that in the event of an emergency such as a fire, release, or accident involving injuries, they are required to dial **911**. The reporting employee is to state the problem clearly and fully and remain on the line until dismissed by the operator.

SECOR staff and Subcontractor/Contractors working in an area where an emergency exists shall evacuate to a safe location, preferably upwind, away from the area and take attendance. The gathering location will be determined by the SHSO upon his/her arrival on site. It is the responsibility of the SHSO to annotate the Site Plan with the Gathering Location and to disseminate its position during the Daily Production Safety Meeting.

(If the emergency causes the route to a gate surrounding the site to be closed, the SECOR staff and Subcontractor/Contractors shall move to an open area upwind of the hazard area, and remain there until instructed by emergency response personnel (i.e., police, fire, ambulance, paramedics, etc.) to do otherwise.)

Subcontractor/Contractor has the responsibility to account for its own employees and to provide such information immediately to emergency response personnel upon request.

SECOR staff and Subcontractor/Contractor may not reenter the emergency site without specific approval from emergency response personnel.

In the event of fire ignition in close proximity to SECOR staff and Subcontractor/Contractor's employees, those persons shall evacuate the area and notify emergency personnel unless the fire is readily extinguished with portable dry chemical equipment on-hand. **When in doubt, emergency response personnel shall be notified.**

6.0 BACKGROUND INFORMATION ON THE PROJECT SITE

The Site is located at 801 West Olympic Blvd, at the west corner of West Olympic Blvd. and Montebello Blvd, in Montebello, California. The property is roughly rectangular in shape. The location is an active retail gasoline station.

The most current map of the Site provided by CEMC is a Ground and Grade Plan dated January 6, 1988, and revised on September 12, 1995 (Chevron Southwest Region, 1988). The Ground and Grade Plan shows the presence of three 10,000-gallon double wall F/G Xerxes underground gasoline storage tanks (USTs), four fuel dispenser islands, a 1,000-gallon double wall F/G Xerxes used oil UST, and a rectangular single-story building with a sales/cashier area and an automotive repair center with three hydraulic hoists.

A Site Plan dated January 25, 1994, showed all fueling structures located at the same general locations and orientations as the structures shown on the more recent maps discussed above (Chevron Southwest Region, 1994). The plan appears to show a former pump island located at the northeast end of the Site, parallel to Olympic Boulevard.

A Site Plan and Grading Plan, dated June 27, 1986 and July 7, 1986, respectively, show planned improvements for the Site. The plans were last revised July 11, 1986. The plans include UST upgrades to fiberglass double wall 10,000-gallon fuel USTs and a 1,000-gallon used oil UST. The plans show a

7.0 CLIENT SAFETY PROCEDURES

See Attachment 1.

8.0 SITE PLAN

Site Plans are included in Attachment 2.

9.0 GOVERNMENT AND LINE LOCATOR CONTACT NAMES AND PHONE NUMBERS

AGENCY or LINE LOCATOR	NAME	TELEPHONE NO.
Office of Emergency Services		(800) 852-7550
National Response Center		(800) 424-8802
Underground service Alert		1-800-422-4133/1-800-227-2600

SECOR Director of Industrial Hygiene	Philip Platcow, CIH	(617) 232-7355 Office (617) 899-5403 Cell (617) 739-1224 Home	Respond with corporate resources to all incidents as appropriate. Assist in H-ASP review. Assist in incident investigation.	01/13/95	04/10/03	12/00	08/26/02
SECOR Human Resources Director	Marguerite Shuffelton	(619) 718-9430 (619) 925-8365 Cell (760) 749-9603 Home	Assist with incident review, recordkeeping	N/A	N/A	N/A	N/A

11.0 MAXIMUM CONCENTRATIONS OF CONTAMINANTS IDENTIFIED ONSITE/

Listed below are the maximum concentrations of contaminants in the soil/groundwater that are expected to be encountered at the site.

Substance	Date of Sample	Media	Sample Concentration
TPHG	April 6 & 15, 1999	Soil: 80 to 95 ft Water: 90 to 95 ft	Not detected 1020 µg/L
Benzene			Not Detected Not detected
Toluene			30.2 mg/kg 50 µg/L
Ethylbenzene			0.1 mg/kg 30 µg/L
Total xylenes			0.8 mg/kg 170 µg/L
MtBE			16 mg/kg 1020 µg/L
Total Lead			

Methyl tertiary butyl ether (MTBE)	Cal/OSHA PEL 40 ppm Fed/OSHA PEL None Established TLV 40 ppm	AIHA WEL 100 ppm	Flammable liquid with a distinctive, disagreeable odor	Inhalation, dermal, ingestion	Irritated nose, throat, headache, dizziness, nausea, sleepiness	CNS, liver, kidney, gastrointestinal damage, potential carcinogen
Benzene (1910 1028)	Cal/Fed/OSHA PEL 1.0 ppm TLV 0.5.0 ppm (skin)	Cal/OSHA & Fed/OSHA STEL 5.0 ppm NIOSH REL 0.1 ppm IDLH 500 ppm	Characteristic benzene odor	Inhalation, Dermal, ingestion, eyes	Skin (dermatitis), eye, respiratory tract irritant, headache, dizziness, nausea.	Carcinogen, CNS, eye damage, bone marrow, blood, skin, leukemia.
Toluene	Cal/OSHA PEL 50 ppm Fed/OSHA PEL 200 ppm TLV 50 ppm	NIOSH REL 100 ppm TWA, 150 ppm STEL ILDH 500 ppm Cal/OSHA C 500 ppm Cal/OSHA STEL 150 ppm	Sweet, pungent, benzene-like odor	Inhalation, dermal, ingestion, eyes	Skin (dermatitis) eye, respiratory tract irritant, headache, dizziness, weakness, and fatigue.	CNS, liver, kidneys, skin.
Ethylbenzene	Cal/Fed/OSHA PEL 100 ppm TLV 100 ppm	PEL-STEL 125 ppm TLV STEL 125 ppm NIOSH REL 100 ppm; REL-STEL 125 ppm IDLH 800 ppm Cal/OSHA STEL 125 ppm	Pungent aromatic odor	Inhalation, dermal, ingestion, eyes	Skin/eye/mucous membrane irritant, headache, dizziness, drowsiness	Eyes, respiratory tract, skin, CNS, blood, kidneys, liver.
Xylenes	Cal/Fed/OSHA PEL 100 ppm TLV 100 ppm	TLV STEL 500 ppm NIOSH REL 100 ppm REL STEL 100 ppm IDLH 900 ppm Cal/OSHA C 300 ppm Cal/OSHA STEL 150 ppm	Aromatic odor	Inhalation, dermal, ingestion, eyes	Throat and skin irritant (dermatitis), headache, nausea, drowsiness, fatigue	CNS, liver, kidneys, skin, gastrointestinal damage, eye damage

Action Level Table For Air Quality Monitoring

(Add or delete contaminant from the following table as appropriate for the site).

- *The level for respirator use indicated below is that concentration at which a respirator must be put on. It does not require the job to stop. The respirator is a tool to be used while determining why the exposure has reached that concentration. Take action to reduce the concentration by engineering controls such as water mist, spray foam, plastic cover, etc.*
- *The level for work stoppage indicated below is that concentration at which work on the job must stop. Determine why exposures have reached that concentration and how they can be reduced. Site evacuation is not necessary at this level. It does not mean that stopping operations should reduce the likelihood that the concentration will continue to rise. Implement engineering controls to reduce the concentration, then resume work.*
- *These values can be modified with particular knowledge of contaminants and site conditions. Contact Director of Industrial Hygiene & Health and Safety, Philip Platcow to discuss (617) 232-7355.*

CHEMICAL (OR CLASS)	MONITORING EQUIPMENT	TASK	MONITORING FREQUENCY/ LOCATION	LEVEL FOR RESPIRATOR USE	LEVEL FOR WORK STOPPAGE
Volatile Organic Vapors	FID/PID as appropriate for chemicals of concern. Read manual to determine.	From start of mobilization to completion and demobilization	Sampling should be continuous during the project while disturbing potentially contaminated soil or uncovering/removing tanks and piping, or during drilling. At least every 15 minutes in the breathing zone. Sample at the exclusion zone boundaries every 30 minutes Continuously sample during each soil and groundwater sampling interval.	Respirator to be used will be full-face piece respirator with organic vapor/P 100 combination cartridges. The level for respirator use will be 5ppm on the PID/FID. At donning respirator level, determine cause of exposure and implement engineering controls to reduce concentrations	Stop work at 25 ppm on the PID/FID. Continuously attempt to determine cause of exposure and engineering controls to attempt to never reach the stop work level

Task 1. The following table addresses the generic concerns of soil sampling.

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered.

1 Job Steps	2 Personal Protective Equipment	3 Potential Hazard	4 Critical Actions
Clear drilling locations.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety glasses with side shields, and leather gloves as necessary.	Traffic hazards, overhead and underground installations, product releases, property damage, dealer inconvenience.	<ul style="list-style-type: none"> ● Reference Utility Clearance Review form (Attachment 4). ● Coordinate with Site Manger (or designee) to minimize potential conflicts. ● Review proposed locations against available construction drawings and known utilities, tanks, product lines, etc. ● Mark out the proposed borehole locations. ● Call underground utility locating service for public line location clearance and get list of utilities being contacted. If necessary, coordinate private line locator for private property. ● Develop a traffic guidance and control plan with the client and local agencies as applicable. Plan may include use of delineators, barricades, barrier tape, jersey barriers, etc. (Refer to Attachment 2) ● It is the responsibility of the SHSO to annotate the Site Plan with the Traffic Guidance and Control configuration if a formally developed Traffic Guidance and Control Plan is not available. Ensure that you challenge any "Traffic Guidance and Control Plan" developed by an outside "expert".
Obtain sub-contractor equipment maintenance records prior to commencing work	Gather necessary PPE. Reflective vest for traffic, steel toed and shank shoes, hard hat, safety glasses with side shields, ear plugs/muffs, leather gloves as necessary. Wear an air purifying respirator with combination organic vapor/ P-100 cartridges, and other PPE as needed. (Use a North 7600 series full face respirator or its equivalent Ansell Edmont brand nitrile gloves or their equivalent Howard Leigh Max foam earplugs with an NRR of 33 or their equivalent Tyvek, poly coated chemical resistant suit or its equivalent)	Improper equipment maintenance, which can cause equipment failure and possible personal injury Vehicle accident. Lifting hazards. Delay or improper performance of work due to improper equipment onsite.	<ul style="list-style-type: none"> ● Verify records in possession are for equipment on site. ● Verify maintenance is current. ● Start project with Production Safety Meeting (Attachment 6). ● Follow safe driving procedures. ● Employ safe lifting procedures ● Make sure sub-contractors are aware of their responsibilities for labor, equipment and supplies. ● Review permit conditions.
Visually clear proposed drilling locations.	Wear reflective vest for traffic, steel toed and shank shoes, hardhat, safety	Underground and overhead installations.	<ul style="list-style-type: none"> ● Complete Subsurface Clearance Log form (Attachment 4) and adjust drilling

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. Plan, Prevent, Execute (PPE) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered.

Job Steps	Personal Protective Equipment	Potential Hazard	Critical Actions
Commence drilling operation.	7600 series full face respirator or its equivalent. Ansell Edmont brand nitrile gloves or their equivalent Howard Leight Max foam earplugs with an NRR of 33 or their equivalent Tyvek poly coated suit or it's equivalent	Cross-contamination from previous hole. Back strain, heat or cold, eye injury, noise, exposure to chemical hazards, hitting an underground utility, slips, trips and falls, equipment failure.	UNNECESSARY EXPOSURE. <ul style="list-style-type: none"> ● Use proper lifting techniques and tools ● Check the Subsurface Clearance Log form. ● Avoid twisting back during the operation; Decontaminate equipment after use. Decontamination will be accomplished by an Alconox wash with tap water rinse followed by a de-ionized or distilled water rinse. Collect rinse water in 5 gallon buckets and transfer to 55-gallon drums and stage drums in an area to be determined in the field. ● Decontaminate sampling after collecting a sample and decontaminate drilling equipment after each borehole. ● Use proper lifting techniques. ● Conduct air monitoring as outlined in Section 12. ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available. ● Monitor drilling progress. ● Keep work area clear of tripping or slipping hazards. ● Perform periodic visual inspections of drilling. ● Evaluate any soil samples inside a Ziploc bag at arm's length. DO NOT EVALUATE THE SAMPLE WITH THE BAG OPEN. THIS WILL AVOID UNNECESSARY EXPOSURE.
Collect samples in accordance with sampling plan.	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work as necessary. Wear appropriate air purifying respirator with combination organic vapor/ P-100 cartridges if needed. Wear chemical resistant gloves if needed.	Cross-contamination, improper labeling or storage, exposure to site contaminants.	<ul style="list-style-type: none"> ● Decontaminate sampling equipment between each sampling run. Label samples in accordance with sampling plan. ● Keep samples stored in proper containers, at correct temperature, and away from work area. ● Conduct air monitoring as outlined in Section 12. ● Have appropriate respirator with combination organic vapor/P-100 cartridges within 3-5 feet of work area, readily available ● Have proper storage containment and labeling available onsite. Place materials in isolated location away from traffic and other site functions. (See <i>next section for Waste Description</i>) ● Do not attempt to lift, push or move drums without the proper tools and equipment. ● Conduct air monitoring as outlined in Section 12. ● Have appropriate respirator with combination organic vapor/ P-100 cartridges within 3-5 feet of work area, readily available.
Cuttings will be temporarily stored, shoveled and placed directly in 55-gallon drums	Steel toed and shank shoes, hardhat, safety glasses with side shields, hearing protection, reflective safety vest, and leather gloves for the non-chemical aspects of work as necessary. If you suspect that equipment is contaminated, wear chemical resistant gloves. Wear appropriate air purifying respirator with combination organic	Exposure to public. Traffic hazard or obstruction/inconvenience to station operation. Improper storage or disposal. Back strain.	

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). A tailgate safety meeting must be performed and documented at the beginning of each workday. *Plan, Prevent, Execute (PPE) procedures must be used throughout the project. Weather conditions (heat, cold, rain, lightning) must also be considered.*

1 Job Steps	2 Personal Protective Equipment	3 Potential Hazard	4 Critical Actions
<p>Typical work.</p>		Heat Stress	<p>fingers or toes, drowsiness or irritability. The onset of any of these signs is indications for immediate return to a heated shelter.</p> <ul style="list-style-type: none"> ● Refer to ACGIH TLV Booklet for section on Cold Stress. ● Discuss health effects and symptoms during daily production meetings. ● Drink water regularly, i.e., at least one cup every 20-30 minutes depending upon level of effort and PPE worn. ● Refer to ACGIH TLV booklet for heat stress guidance, especially regarding PPE, type of work and frequency of breaks. ● Breaks should be taken in an area cooler than the work area. ● Monitor temperature and relative humidity using WBGT meter.
<p>No eating, drinking, or smoking on-site.</p>			
<p>No contact lenses on-site.</p>			
<p>No facial hair that would interfere with respirator fit. A safety meeting will be held each day, even if there is only one person working on the project on any given day.</p>			<ul style="list-style-type: none"> ● Topics will always include the work scheduled for the day and restatement of the hazards and means to avoid them. Other topics may include sampling in general and advances in technology and how it may be applied to the project. Use Attachment 7 for logging the topics discussed.

ATTACHMENT 1

CLIENT'S SAFETY PROCEDURES

Follow Chevron's Loss Prevention System (LPS)

Acknowledgment Signatures for Injuries/Illnesses		
Title	Signature	Date
Director of HR: Marguerite Shuffelton		
Director of IH/H&S: Philip Platcow		
NAM:		
Regional Managers:		
Frank Aceto		
Oren Gottlieb		
Jim Grasty		
Russ Hamblin		
Sr. Vice President: David Childs		
Chief Operating Officer: Steve Locke		
CEO SEACOR Canada: Faramarz Bogzaran		
Chief Executive Officer: Jim Vais		

Contact information.

Call Human Resources and Corporate H&S Immediately.

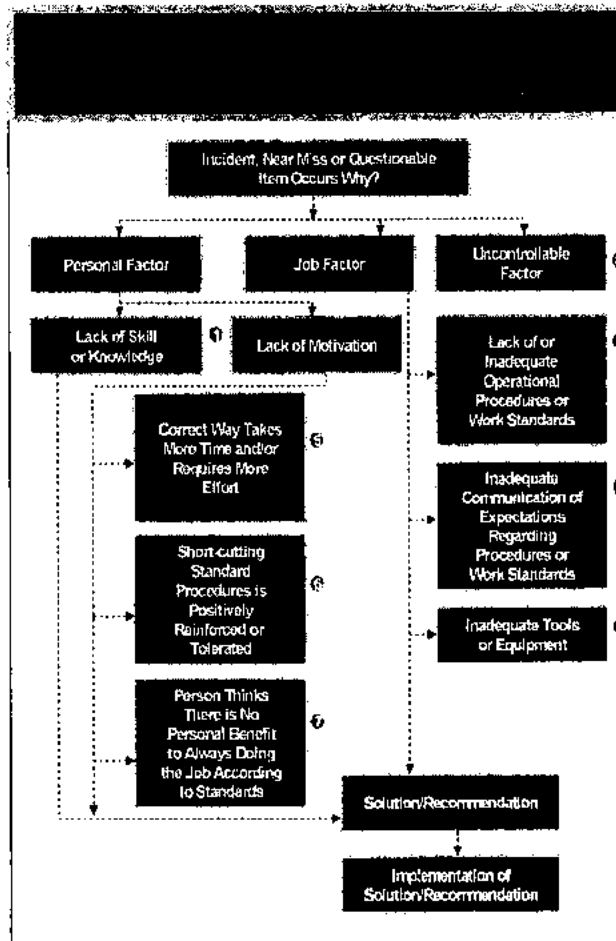
HR: Mary Harris Phone: 619-718-9429, Fax: 619-296-2006, E-Mail: mbarris@secor.com. After hours or weekends, please call Marguerite Shuffelton Cell: 619-925-8365 or Home 760-749-9603.

Health & Safety: Call Philip Platcow and Michael Philipp

Philip Platcow: 617-232-7355; fax 801-340-8657 Email: pplatcow@secor.com. After hours or weekends, cell: 617-899-5403 or Home 617-739-1224

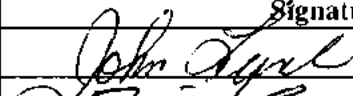

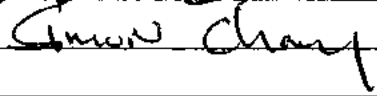
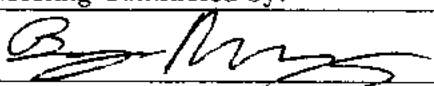
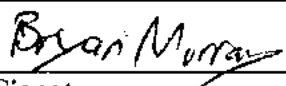
and Mike Philipp 619-296-6195; fax 619-296-6199 Email: mphilipp@secor.com. After hours or weekends, cell: (619) 985-4340

Fax report to all three.



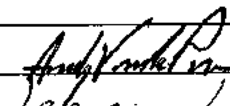
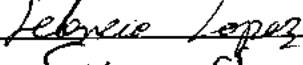
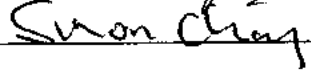
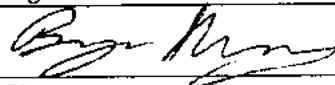
ATTACHMENT 6

DAILY PRODUCTION HEALTH AND SAFETY BRIEFING LOG

Date: 10-7-04	
Start Time: 9:15	
Issues Discussed:	
1. PPE	6.
2. Hospital	7.
3. Booms	8.
4.	9.
5.	10.
Attendees	
Print Name and Company	Signature
John Lynch Cal Pac	
Rick Mann cal Pac	
Chris Chry SECOR	
Meeting Conducted by:	Signature:
	
Name (Site Health and Safety Coordinator):	Signature:

ATTACHMENT 6

DAILY PRODUCTION HEALTH AND SAFETY BRIEFING LOG

Date: 10-11-04	
Start Time: 8:30	
Issues Discussed:	
1. Hospital Directions	6.
2. PPE	7.
3. Station Safety	8.
4. Traffic + Barrier Setup	9.
5.	10.
Attendees	
Print Name and Company	Signature
Andy VandePoore - CAL PAC Drilling	
Leoncio Lopez Cal Pac	
Simon Owen Sgeon	
Meeting Conducted by:	Signature:
Bryan Murray	
Name (Site Health and Safety Coordinator):	Signature:

ATTACHMENT 7

HEALTH AND SAFETY PLAN ACKNOWLEDGMENT AND AGREEMENT FORM





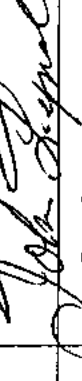

(All SECOR and subcontractor personnel must sign.)

"Zero Tolerance for Incident of ANY Kind. Work Together to Ensure A SAFE and High Quality Project"

This Health and Safety Plan has been developed for the purpose of informing SECOR employees of the hazards they are likely to encounter on the project site, and the precautions they should take to avoid those hazards. Sub-contractors and other contractors at the site must develop their own Health and Safety Plan to address the hazards faced by their own employees. SECOR has provided a copy of this Plan to contractors in the interest of full disclosure of hazards of which we may be aware, and to satisfy SECOR's responsibilities under the Occupational Safety and Health Administration (OSHA) Hazard Communication standard. Similarly, contractors are required to inform SECOR of any hazards of which they are aware or that the contractor's work on site might possibly pose to SECOR employees, including (but not limited to) the Material Safety Data Sheets for chemicals the contractor may bring on-site. This plan should NOT be understood by contractors to provide information on all of the hazards to which a contractor's employees may be exposed as a result of their work.

I further certify that I have received training and medical surveillance according to the Health and Safety Plan and the OSHA Standard on Hazardous Waste Operations and Emergency Response (29 CFR 1910.120):

All parties conducting site activities are required to coordinate their activities and practices with the project Site Health and Safety Officer. Your signature below confirms that you have read and understand the hazards discussed in this Plan, and understand that sub-contractors and contractors must develop their own Health and Safety Plan for their employees. You also understand you could be prohibited by the Site Health and Safety Officer or other SECOR personnel from working on this project for not complying with any aspect of this Health and Safety Plan.

Name	Title	Signature	Company	Date
John Swarthy	Pk. Mgr.		Spectrum Geol	10-6-04
Nathan Williams	Tech		Spectrum	10/4/04
Eric Olson	STAFF		Secor	10/6/04
Byron King	Geologist		Secor	10-6-04
John Lynch	Operator		Cal Pac	10-7-04
Rick Mason	Helper		Cal Pac	10-7-04

ATTACHMENT 8
SUBCONTRACTOR'S HEALTH AND SAFETY PLAN

(Instructions to Project Manager and Subcontractor: Please ensure that all subcontractors provide their own site-specific HASP for their portion of the work. This should be attached behind this page so that it blends smoothly with the SECOR portion of the HASP. The subcontractor's HASP must be site-specific and discuss all of the hazards to which their employees may be exposed, and the appropriate means they will follow to avoid the exposure to the extent possible. SECOR's HASP can be used as a guide for developing the subcontractor's HASP, but cannot be used exclusively since the subcontractor's employees may face exposures and risks not covered by the SECOR HASP.)

Subcontractors must understand that our team goal is zero incidents of all types. If the subcontractor has any questions, he/she may contact Philip Platcow, SECOR's Director of Health and Safety at (617) 232-7355 for guidance and direction. Cooperation on this requirement is greatly appreciated.)

**APPENDIX C
BORING CLEARANCE FORM**

BOREHOLE CLEARANCE REVIEW (specific for Property Transfer Assessments)

Chevron Site #: 9-5980.0 Project #: 0424. 95980.00

Borehole #s Reviewed: BA1 Date: 10/20/04

Clearance Inspected by: SC/SM Reviewed by: DR
(Consultant Rep.) (Consultant PM Initial) (RBU PM Initial)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevrons building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a <u>minimum depth of 5 feet below grade</u> before using the drill rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? |

Questions 1 thru 10 must be answered prior to mobilizing a drilling rig to the site. Questions 11 thru 13 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 11, or 12 or answered YES to questions 5, 8, 9, 10, or 13. Contact the consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

BOREHOLE CLEARANCE REVIEW (specific for Property Transfer Assessments)

Chevron Site #: 95980 Project #: 0424 95980.00

Borehole #s Reviewed: BA-2 Date: 10/3/04

Clearance Inspected by: SC/BM Reviewed by DR
(Consultant Rep.) (Consultant PM Initial) (RBU PM Initial)

Yes No

- | | | | |
|-------------------------------------|-------------------------------------|-----|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. | Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevrons building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. | Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. | Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. | Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. | Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. | Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. | Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. | Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to <u>a minimum depth of 5 feet below grade</u> before using the drill rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. | Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. | Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? |

Questions 1 thru 10 must be answered prior to mobilizing a drilling rig to the site. Questions 11 thru 13 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 11, or 12 or answered YES to questions 5, 8, 9, 10, or 13. Contact the consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

BOREHOLE CLEARANCE REVIEW (specific for Property Transfer Assessments)

Chevron Site #: 4-5930 Project #: 04CH.95930.00

Borehole #s Reviewed: BA 4 Date: 10/8/04

Clearance Inspected by: SC/CM Reviewed by: DR
(Consultant Rep.) (Consultant PM Initial) (RBU PM Initial)

Yes No

- | | | | |
|-------------------------------------|-------------------------------------|-----|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. | Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevrans building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. | Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. | Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. | Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. | Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. | Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. | Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. | Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to <u>a minimum depth of 5 feet below grade</u> before using the drill rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. | Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. | Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? |

Questions 1 thru 10 must be answered prior to mobilizing a drilling rig to the site. Questions 11 thru 13 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 11, or 12 or answered YES to questions 5, 8, 9, 10, or 13. Contact the consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

BOREHOLE CLEARANCE REVIEW (specific for Property Transfer Assessments)

Chevron Site #: 9-5980 Project #: 04CH 95980.00

Borehole #s Reviewed: BA-S Date: 10/2/04

Clearance Inspected by: SC/CM Reviewed by: AR
(Consultant Rep.) (Consultant PM Initial) (RBU PM Initial)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevrans building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a <u>minimum depth of 5 feet below grade</u> before using the drill rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? |

Questions 1 thru 10 must be answered prior to mobilizing a drilling rig to the site. Questions 11 thru 13 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 11, or 12 or answered YES to questions 5, 8, 9, 10, or 13. Contact the consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

BOREHOLE CLEARANCE REVIEW (specific for Property Transfer Assessments)

Chevron Site #: 95980 Project #: 04CH.95980.00

Borehole #s Reviewed: BA 6 Date: 10/3/04

Clearance Inspected by: SC/DM Reviewed by: DR
(Consultant Rep.) (Consultant PM Initial) (RBU PM Initial)

Yes No

- | | | | |
|-------------------------------------|-------------------------------------|-----|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. | Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevrans building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. | Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. | Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. | Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. | Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. | Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. | Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. | Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. | Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a <u>minimum depth of 5 feet below grade</u> before using the drill rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. | Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. | Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? |

Questions 1 thru 10 must be answered prior to mobilizing a drilling rig to the site. Questions 11 thru 13 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 11, or 12 or answered YES to questions 5, 8, 9, 10, or 13. Contact the consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.

BOREHOLE CLEARANCE REVIEW (specific for Property Transfer Assessments)

Chevron Site #: 9-S980 Project #: 04CA 95980.00

Borehole #s Reviewed: BA-7 Date: 10/2/04






Clearance Inspected by: CC/DM Reviewed by: AR
(Consultant Rep.) (Consultant PM Initial) (RBU PM Initial)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is a scaled site plan showing the proposed borehole locations attached to this form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities (including product lines) shown on Chevrons building plans? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Are all of the proposed borehole locations at least 7 feet from the pad surrounding the underground storage tanks (USTs) shown on Chevron's building plans? |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities shown on public right-of-way street improvement plans?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. Does the station manager have any knowledge of any subsurface utilities within 5 feet of the proposed borehole locations? (Review locations with the station manager). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Are all of the proposed borehole locations at least 5 feet from any subsurface utilities identified during a geophysical survey?
PM to check here <input type="checkbox"/> if applicable to this job. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. Have all underground service alert providers notified by USA marked out their facilities in the vicinity of the borehole locations or otherwise notified consultant that they do not have any facilities near the proposed borehole locations? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Do any of the proposed borehole locations lie on a line connecting two similar looking manhole covers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Do any of the proposed borehole locations lie on a line perpendicular to the street from the water, gas, and electrical meter? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Has the pavement in the vicinity of any of the proposed borehole locations subsided or does it give the appearance it may be covering a former trench? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. Have you carefully cleared the hole (using an air knife, hand auger, or other mechanical methods) to a <u>minimum depth of 5 feet below grade</u> before using the drill rig? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Is the diameter of the hand cleared hole greater than the outer diameter of the drilling tools you will be using? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. Does the soil you encountered in the cleared hole consist of clean gravel, clean sand, aggregate base (gravelly sand with ~10% fines), or non-native looking material? |

Questions 1 thru 10 must be answered prior to mobilizing a drilling rig to the site. Questions 11 thru 13 should be answered prior to drilling by the field staff. **DO NOT DRILL**, if you answered NO to questions 1, 2, 3, 4, 6, 7, 11, or 12 or answered YES to questions 5, 8, 9, 10, or 13. Contact the consultant project manager for instructions prior to drilling and describe the conflict on the back of this form.



SECOR

Logged By: BM	Date Drilled: 10/8/04	Drilling Contractor: Cal Pac	Project Name: Chevron Site 9-5980 Montebello, CA	Method/Equipment: Geo Probe	Boring Number: BA-4B		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 1 1/2	Surface Elev.(ft.):	Groundwater Depth (ft.): Not Encountered	Total Depth (ft.): 2.0	Drive wt.(lbs.): 140	Drop Dist.(in.): N/A
Boring Abandonment	Depth, (ft.)	Sample Interval	Description				
 Cement Cap			 Asphalt: 4"				
 Backfilled with Hydrated Bentonite Chips			 Base: 2"				
			 Pea Gravel				
	5		Encountered Pea Gravel, Abandoned Boring				
	10						
	15						
	20						
The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.							

Project No. 04CH.95980.00 Date 10/7/04

Log of Boring

\\ACHEVRON\TEXACO\9-5980\9-5980.GPJ
LOG OF BOREHOLE

Figure

(sheet 1 of 1)



SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:		
BM	10/11/04	Cal Pac	Chevron Site 9-5980 Montebello, CA	Geo Probe	BA-5		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 1 1/2	Surface Elev.(ft.):	Groundwater Depth (ft.): Not Encountered	Total Depth (ft.): 20.0	Drive wt.(lbs.): 140	Drop Dist.(in.): N/A
Boring Abandonment	Depth, (ft.)	Sample Interval	Description	PID Readings	Laboratory Analysis	Sample ID	
Cement Cap	0		Concrete: 6" Base: 4"				
	0		NATIVE/FILL: Sandy CLAY (CL) - Dark yellowish brown (10YR 3/4), slightly moist, low to medium plasticity, 40% fine to medium grained Sand, subangular to subrounded, concrete fragments to 3 feet, no HCO				
	5		NATIVE: Sandy CLAY (CL) - Dark yellowish brown (10YR 3/4), slightly moist, low to medium plasticity, brown mottles, 40% fine to medium grained Sand, subangular to subrounded, no HCO	0.0		BA5-5	
	10		Sandy CLAY (CL) - Same as above	0.0		BA5-10	
	15		Sandy CLAY (CL) - Same as above	0.0	8260B	BA5-15	
Backfilled with Hydrated Bentonite Chips	20		Sandy CLAY (CL) - Same as above	0.0	8260B	BA5-20	
	Total Depth = 20 feet bgs Groundwater not encountered Refusal @ 20 feet bgs Note: Boring drilled 30 degrees from vertical, directed southeast toward the southern fuel dispenser						
The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.							

Project No. 04CH.95980.00 Date 10/7/04

Log of Boring



ACHEVRON TEXACO\9-5980\9-5980.GPJ
LOG OF BOREHOLE

Figure

(sheet 1 of 1)



SECOR

Logged By: BM	Date Drilled: 10/7/04	Drilling Contractor: Cal Pac	Project Name: Chevron Site 9-5980 Montebello, CA	Method/Equipment: Geo Probe	Boring Number: BA-5A		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 1 1/2	Surface Elev.(ft.):	Groundwater Depth (ft.): Not Encountered	Total Depth (ft.): 2.0	Drive wt.(lbs.): 140	Drop Dist.(in.): N/A
Boring Abandonment	Depth, (ft.)	Sample Interval	Description				
	Cement Cap		Concrete: 6"				
	Backfilled with Hydrated Bentonite Chips		Base: 4"				
			Pea Gravel				
			Encountered Pea Gravel, Abandoned Boring				
	5						
	10						
	15						
	20						
<p>The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.</p>							

Project No. 04CH.95980.00 Date 10/7/04

Log of Boring

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LOG OF BOREHOLE

Figure

(sheet 1 of 1)



SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:		
BM	10/13/04	Cal Pac	Chevron Site 9-5980 Montebello, CA	Geo Probe	BA-7		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam. (in.):	Surface Elev. (ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt. (lbs.):	Drop Dist. (in.):
		1 1/2		Not Encountered	30.0	140	N/A
Boring Abandonment	Depth, (ft.)	Sample Interval	Description	PID Readings	Laboratory Analysis	Sample ID	
Cement Cap	0		Asphalt: 4" Base: 2"				
	0		NATIVE/FILL: Sandy CLAY (CL) - Dark yellowish brown (10YR 3/4), slightly moist, low to medium plasticity, 40% fine to medium grained Sand, subangular to subrounded, concrete fragments to 5 feet, no HCO				
	5		NATIVE: Clayey SAND (SC) - Dark yellowish brown (10YR 4/5), slightly moist, fine to coarse grained, subangular to subrounded, 40% fines, brown mottles, no HCO	0.0		BA7-5	
	10		Clayey SAND (SC) - Dark yellowish brown (10YR 4/4), slightly moist, fine to coarse grained, subangular to subrounded, micaceous, 25-30% fines no HCO	0.0		BA7-10	
	15		Poorly Graded SAND with SILT (SP-SM) - Yellow brown (10YR 5/8), fine to medium grained, subangular to subrounded, 10-15% fines, no HCO	0.0	8260B	BA7-15	
Backfilled with Hydrated Bentonite Chips	20		Well Graded SAND (SW) - Light yellowish gray (2.5Y 6/2), slightly moist, fine to coarse grained, subangular to subrounded, <5% fines, micaceous, no HCO	0.0		BA7-20	
			CLAY with Sand (CL) - Dark yellowish brown (10YR 4/4), slightly				

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. 04CH.95980.00 Date 10/7/04

Log of Boring

\\CHEVRON\TEXACO\9-5980\9-5980.GPJ
LOG OF BOREHOLE

Figure



SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:			
BM	10/13/04	Cal Pac	Chevron Site 9-5980 Montebello, CA	Geo Probe	BA-7			
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam. (in.): 1 1/2	Surface Elev. (ft.):	Groundwater Depth (ft.): Not Encountered	Total Depth (ft.): 30.0	Drive wt. (lbs.): 140	Drop Dist. (in.): N/A	
Boring Abandonment	Depth, (ft.)	Sample Interval	Description			PID Readings	Laboratory Analysis	Sample ID
Backfilled with Hydrated Bentonite Chips	30		moist, medium plasticity, 15-20% fine to medium grained Sand, <2% fine Gravel, no HCO			0.0		BA7-25
			CLAY with Sand (CL) - Same as above			0.0	8260B	BA7-30
			Total Depth = 30 feet bgs Groundwater not encountered					
	35							
	40							
	45							
<p>The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.</p>								

Project No. 04CH.95980.00 Date 10/7/04

Log of Boring

I:\CHEVRON TEXACO\9-5980\9-5980.GPJ
LOG OF BOREHOLE

Figure

(sheet 2 of 2)



SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:		
BM	10/13/04	Cal Pac	Chevron Site 9-5980 Montebello, CA	Geo Probe	BA-8		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 1 1/2	Surface Elev.(ft.):	Groundwater Depth (ft.): Not Encountered	Total Depth (ft.): 10.0	Drive wt.(lbs.): 140	Drop Dist.(in.): N/A
Boring Abandonment	Depth, (ft.)	Sample Interval	Description	PID Readings	Laboratory Analysis	Sample ID	
Cement Cap			Asphalt: 6" Base: 1"				
Backfilled with Hydrated Bentonite Chips	5		NATIVE/FILL: Sandy CLAY (CL) - Dark yellowish brown (10YR 4/4), slightly moist, low to medium plasticity, 40-45% fine to medium grained Sand, subangular to subrounded, concrete fragments to 3 feet, no HCO	0.0	8260B	BA8-5	
	10		NATIVE: Sandy CLAY (CL) - Dark yellowish brown (10YR 4/4), slightly moist, low to medium plasticity, brown mottles, 40-45% fine to medium grained Sand, subangular to subrounded, no HCO	0.0	8260B	BA8-10	
			Clayey SAND (SC) - Dark yellowish brown (10YR 4/4), slightly moist, fine to medium grained, subangular to subrounded, 40% fines, no HCO				
			Total Depth = 10 feet bgs Groundwater not encountered				
<p>The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.</p>							

Project No. 04CH.95980.00 Date 10/7/04

Log of Boring

1\ACHEVRON TEXACO\9-5980\9-5980.GPJ
LOG OF BOREHOLE

Figure

(sheet 1 of 1)



SECOR

Logged By:	Date Drilled:	Drilling Contractor	Project Name:	Method/Equipment:	Boring Number:		
BM	10/14/04	Cal Pac	Chevron Site 9-5980 Montebello, CA	Geo Probe	BA-9		
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.):	Surface Elev.(ft.):	Groundwater Depth (ft.):	Total Depth (ft.):	Drive wt.(lbs.):	Drop Dist.(in.):
		1 1/2		Not Encountered	24.0	140	N/A
Boring Abandonment	Depth, (ft.)	Sample Interval	Description	PID Readings	Laboratory Analysis	Sample ID	
			Asphalt: 4" Base: 2"				
			NATIVE/FILL: Sandy CLAY (CL) - Dark yellowish brown (10YR 3/4), slightly moist, low to medium plasticity, 40% fine to medium grained Sand, subangular to subrounded, no HCO				
	5		NATIVE: Sandy CLAY (CL) - Dark brown (7.5YR 3/4), slightly moist, low to medium plasticity, brown mottles, 40-45% fine to medium grained Sand, subangular to subrounded, no HCO	0.0		BA9-5	
			Sandy CLAY (CL) - Same as above				
	10			0.0		BA9-10	
			Clayey SAND (SC) - Yellowish brown (10YR 3/4), slightly moist, fine to medium grained, subangular to subrounded, 30-40% fines, no HCO				
	15			0.0		BA9-15	
			Clayey SAND (SC) - Same as above				
	20			4.2	8015M 8260B 8082	BA9-20	
			Poorly Graded SAND (SP) - Yellowish brown (10YR 5/8), slightly moist, fine to medium grained, 5-10% fines, no HCO		Title 22 metals		
				0.0	8015M	BA9-24	
	25		Total Depth = 24 feet bgs Groundwater not encountered Refusal @ 24 feet bgs Note: Boring drilled 30 degrees from vertical, directed northeast toward the used oil UST				

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. 04CH.95980.00 Date 10/7/04

Log of Boring



\\CHEVRON\TEXACO\9-5980\9-5980.GPJ
LOG OF BOREHOLE

Figure

(sheet 1 of 1)



SECOR

Logged By: CHL	Date Drilled: 6/17/04	Drilling Contractor: Cal Pac	Project Name: Chevron Site 9-5980 Montebello, CA	Method/Equipment: HSA GeoProbe	Boring Number: Legend			
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 1.5/8	Surface Elev.(ft.): ∇	Groundwater Depth (ft.): 10.5	Total Depth (ft.): 22.0	Drive wt.(lbs.):	Drop Dist.(in.):	
Soil Boring	Depth, (ft.)	Sample Interval	Description			PID Readings	Laboratory Analysis	Sample ID
 Concrete Cap  Backfilled with Hydrated Bentonite Granules	0		Driven Sample					
			Sample Location, 5 ft sample using a glass jar, hollow stem auger sampler using 1.5" diameter x 6" length brass ring, and geoprobe sampler using 1" diameter x 6" length brass ring					
			Photoionization Device Readings			0.0		
			Laboratory Testing Program includes 8015B and 8260B				8260B 8015	
			Sample ID					BA# #
			Sample Soil Types					
		5		Well Graded SAND (SW)				
		10		Poorly Graded SAND (SP)				
		15		Silty SAND (SM)				
		20		Poorly Graded SAND with Silt (SP-SM)				
			Clayey SAND (SC)					
			Lean CLAY (CL)					
<p>The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.</p>								

Project No. **04CH.95980.00** Date **10/7/04**

Log of Boring

INCHEVRON TEXACO\9-5980\9-5980.GPJ
LOG OF BOREHOLE

Figure

(sheet 1 of 1)

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions			Symbols	Typical Description	Criteria
Coarse Grained Soils More than 50% retained on No.200 sieve	Gravels 50% or more of coarse fraction retained on No. 4 sieve	Clean Gravels	GW	Well-graded gravels and gravel-sand mixtures, little or no fines	Sands and Gravels Standard Penetration Test Penetration Resistance, N (blows/ft) Relative Density <hr/> 0-4 Very Loose 4-10 Loose 10-30 Medium, Dense 30-50 Dense > 50 Very Dense
			GP	Poorly graded gravels and gravel-sand mixtures, little or no fines	
		Gravels with fines	GM	Silty gravels, gravel-sand-silt mixtures	
			GC	Clayey Gravels, gravel-sand-clay mixtures	
	Sands More than 50% of coarse fraction passes No. 4 sieve	Clean Sands	SW	Well-graded sands and gravelly sands little or no fines	
			SP	Poorly graded sands, gravelly sands little or no fines	
		Sands with fines	SM	Silty sand, sand-silt mixtures	
			SC	Clayey sands, sand-clay mixtures	
Fine-Grained Soils 50% or more pass No. 200 sieve	Sils and Clays Liquid Limit 50% or less	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands	Sils and Clays Standard Penetration Test Penetration Resistance, N (blows/ft) Relative Density <hr/> <2 Very Soft 2-4 Soft 4-8 Medium, Firm 8-15 Stiff 15-30 Very Stiff >30 Hard	
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays		
		OL	Organic silts and organic silty clays of low plasticity		
	Sils and Clays Liquid Limit Greater than 50%	MH	Inorganic silts, micaceous or diatomaceous fine sands or silts elastic silts		
		CH	Inorganic clays of high plasticity fat clays		
		OH	Organic clays of medium to high plasticity		
		Highly Organic Soils			PT

		3"	3/4"	#4	#10	#40	#200	U.S. Standard Sieve
Unified Soil Classif	Cobbles	Gravel		Sand			Silt or Clay	
		coarse	fine	coarse	medium	fine		

Moisture Conditions		Material Quantity		Other Symbols
Dry	absence of moisture; dusty, dry to the touch	trace	0 - < 5 %	C core sample
Slightly Moist	below optimum moisture content for compaction	few	5 - 10 %	S SPT sample
Moist	near optimum moisture content	little	15 - 25 %	B Bulk sample
Very Moist	above optimum moisture content	some	30 - 45 %	— Ground Water
Wet	visible free water, below water table	mostly	50 - 100 %	

Basic Log format:

Group name, Group Symbol, Color, Moisture, Consistency or relative density, Grain Size

Additional comments: plasticity, dry strength, toughness, dilatancy, odor, roots, mica, gypsum, coarse grained particles, etc

Example:

P. G SAND (SP), . brown, moist, loose, fine grained, trace Silt, trace fine Gravel, trace cobbles up to 4" in size

**APPENDIX E
LABORATORY REPORT AND
CHAIN-OF-CUSTODY DOCUMENTATION**



ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o SECOR Int.
25864-F Business Center Drive
Redlands CA 92374

909-335-6116

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 915931. Samples arrived at the laboratory on Tuesday, October 12, 2004. The PO# for this group is 99011184 and the release number is DOROTA RUNYAN.


<u>Client Description</u>			<u>Lancaster Labs Number</u>
BA1-30-S-31-041011	NA	Soil	4375321
BA1-75-S-74.5-041011	NA	Soil	4375322
BA5-15-S-15.5-041011	NA	Soil	4375323
BA5-20-S-19.5-041011	NA	Soil	4375324

1 COPY TO ChevronTexaco c/o SECOR Int.

Attn: Dorota Runyan

Questions? Contact your Client Services Representative
Teresa L. Cunningham at (717) 656-2300.

Respectfully Submitted,


ROBIN C. RUNKLE
SENIOR CHEMIST





Lancaster Laboratories Sample No. SW 4375321

BA1-30-S-31-041011 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA1-30
 Collected:10/11/2004 09:35 by BM

Account Number: 11647

Submitted: 10/12/2004 09:10
 Reported: 11/01/2004 at 19:53
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA130

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.88
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.88
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.88
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.88
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.88
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.88
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.88
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.88
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.88
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.88
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.88
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.88
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.88

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/14/2004 16:01	Roy R Mellott Jr	0.88
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/14/2004 16:01	Roy R Mellott Jr	0.88
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/14/2004 16:01	Roy R Mellott Jr	0.88

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656 2681



Lancaster Laboratories Sample No. SW 4375322

BA1-75-S-74.5-041011 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA1-75
 Collected:10/11/2004 10:20 by BM

Account Number: 11647

Submitted: 10/12/2004 09:10
 Reported: 11/01/2004 at 19:53
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

75BA1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	1.05
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	1.05
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	1.05
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	1.05
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	1.05
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	1.05
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	1.05
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	1.05
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	1.05
05460	Benzene	71-43-2	N.D.	2.	ug/kg	1.05
05466	Toluene	108-88-3	N.D.	2.	ug/kg	1.05
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	1.05
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	1.05

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/14/2004 16:53	Roy R Mellott Jr	1.05
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/14/2004 16:53	Roy R Mellott Jr	1.05
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/14/2004 16:53	Roy R Mellott Jr	1.05

#- Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
 PO Box 12475
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. SW 4375323

BA5-15-S-15.5-041011 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA5-15
 Collected: 10/11/2004 13:35 by BM

Account Number: 11647

Submitted: 10/12/2004 09:10
 Reported: 11/01/2004 at 19:53
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA515

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.88
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.88
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.88
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.88
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.88
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.88
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.88
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.88
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.88
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.88
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.88
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.88
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.88

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/14/2004 17:19	Roy R Mellott Jr	0.88
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/14/2004 17:19	Roy R Mellott Jr	0.88
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/14/2004 17:19	Roy R Mellott Jr	0.88

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



MEMBER
 Lancaster Laboratories, Inc.
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. SW 4375324

BA5-20-S-19.5-041011 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA5-20
 Collected:10/11/2004 13:45 by BM

Account Number: 11647

Submitted: 10/12/2004 09:10
 Reported: 11/01/2004 at 19:53
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA520

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.9
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.9
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.9
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.9
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.9
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.9
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.9
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.9
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.9
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.9
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.9
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.9
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.9

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/14/2004 17:45	Roy R Mellott Jr	0.9
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/14/2004 17:45	Roy R Mellott Jr	0.9
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/14/2004 17:45	Roy R Mellott Jr	0.9

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax. 717-656-2681



Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 11/01/04 at 07:53 PM

Group Number: 915931

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: X042881AA Sample number(s): 4375321-4375324								
Methyl Tertiary Butyl Ether	N.D.	5.	ug/kg	98	96	75-125	2	30
di-Isopropyl ether	N.D.	5.	ug/kg	98	96	70-129	3	30
Ethyl t-butyl ether	N.D.	5.	ug/kg	98	96	71-124	2	30
t-Amyl methyl ether	N.D.	5.	ug/kg	101	98	63-129	2	30
t-Butyl alcohol	N.D.	100.	ug/kg	81	82	51-160	1	30
Benzene	N.D.	2.	ug/kg	102	100	77-119	2	30
Toluene	N.D.	2.	ug/kg	101	98	81-116	2	30
Ethylbenzene	N.D.	2.	ug/kg	100	98	82-115	3	30
m+p-Xylene	N.D.	2.	ug/kg	101	98	82-117	3	30
o-Xylene	N.D.	2.	ug/kg	99	96	82-117	3	30
Ethanol	N.D.	300.	ug/kg	60	59	37-170	1	30
Xylene (Total)	N.D.	4.0	ug/kg	100	97	82-117	3	30
C6-C12-TPH-GRO	N.D.	100.	ug/kg	104	101	70-130	3	30

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: X042881AA Sample number(s): 4375321-4375324									
Methyl Tertiary Butyl Ether	99		49-140						
di-Isopropyl ether	98		55-132						
Ethyl t-butyl ether	98		65-123						
t-Amyl methyl ether	99		58-126						
t-Butyl alcohol	99		46-148						
Benzene	103		58-126						
Toluene	102		55-125						
Ethylbenzene	103		50-127						
m+p-Xylene	104		53-124						
o-Xylene	99		55-124						
Ethanol	72		19-177						
Xylene (Total)	102		54-123						

*- Outside of specification

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



Account # 11647 Group # 915931 CHEIN OF CUSTODY FORM Sample # 4375321 - 24 COC 1 of 3
 Chevron Environmental Management Company • 145 S. State College Boulevard • Brea, CA 92822-2292

CHEIN OF CUSTODY FORM

CHEVRON CONSULTANT: Secor International Inc.
 Address: 25884 E Business Center Drive, Redlands, CA
 Consultant Contact: Pete Bergando
 Consultant Phone No. (909) 385-6116
 Consultant Project No. 04CH-95180.00
 Sampling Company: Secor International Inc.
 Sampled By (Print): Brian Murray
 Sampler Signature: *[Signature]*

ANALYSES REQUIRED

<input type="checkbox"/> EPA 8015a TPH-G	<input type="checkbox"/> EPA 8021a BTEX	<input type="checkbox"/> EPA 8280a TPH-G	<input type="checkbox"/> EPA 6010 CA, Fe, K, Mg, Mn, Na	<input type="checkbox"/> EPA 6010/7000 TMTL 22 METALS	<input type="checkbox"/> EPA 310.1 ALKALINITY	<input type="checkbox"/> EPA 2510a SPECIFIC CONDUCTIVITY	<input type="checkbox"/> EPA 418.1 TRPH	<input type="checkbox"/> EPA 413.1 OIL/GREASES	Special Instructions For entire site, 11/11/04 > 10 mg/kg, run total lead by 6010
<input type="checkbox"/> HYDROCARBON SCREEN	<input type="checkbox"/> TPH-D	<input type="checkbox"/> BTEX	<input type="checkbox"/> MTRB	<input type="checkbox"/> MTRB	<input type="checkbox"/> MTRB	<input type="checkbox"/> MTRB	<input type="checkbox"/> MTRB	<input type="checkbox"/> MTRB	Temp. Blank Check Time _____ Temp. _____

Del Mar Analytical
 Irvine, CA
 Colton, CA
 Lab Contact: Chris Roberts
 Phone No.: (949) 261-1022
 (909) 370-4667

Lancaster Laboratories
 Lancaster, PA
 Lab Contact: Teresa Cunningham
 Phone No.: (717) 650-2300

EDF Required?
 Yes
 No

NOTE:
 THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Field Point Name	Matrix	Top Depth	Date (yy/mm/dd)	Sample Time	Container Type	# of Containers	Preservation
BA-1-5	Soil	5	04/007	950	91g jar	1	ice
-10		11	04/10/11	915	ring		
-15		16		920			
-20		21		925			
-25		26		930			
-30		31		935	ring/comp	4	
-35		36		940	ring	1	
-40		41		945			
-45		46		950			
-50		51		955			

Relinquished By: *[Signature]* Secor Company
 Date/Time: 10/11/04 1445
 Requiring To: *[Signature]* Company
 Date/Time: 10/11/04 1445

Relinquished By: *[Signature]* Company
 Date/Time: _____
 Requiring To: *[Signature]* Company
 Date/Time: _____

Relinquished By: *[Signature]* Company
 Date/Time: _____
 Requiring To: *[Signature]* Company
 Date/Time: _____

Turnaround Time:
 24 Hours Standard
 48 hours Other

Sample Integrity: (Check by lab on arrival)
 Intact: On Ice: Temp: 48°C

CHAIN OF CUSTODY FORM, 08/25/03

Relinquished To: *[Signature]* Company
 Date/Time: 10/12/04 0910



Lancaster Laboratories Sample No. SW 4378817

BA9-20-S-041014 NA Soil NA
Facility# 95980
801 W Olympic-Montbello NA BA9-20
Collected:10/14/2004 10:10 by SC

Account Number: 11647

Submitted: 10/15/2004 09:05
Reported: 11/01/2004 at 19:56
Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
25864-F Business Center Drive
Redlands CA 92374

BA920

05711	SW SW846 Hg Digest	SW-846 7471A modified	1	10/26/2004 10:40	Denise K Conners	1
06130	5 g HL Encore Soil Prep Dp 25	SW-846 5035	1	10/15/2004 16:44	Medina A Long	n.a.
07004	Extraction - DRO (Soils)	TPH by CA LUFT	2	10/21/2004 14:35	Jason A Heisey	1
08389	Low/High Encore Prep Tracking	SW-846 5035	1	10/15/2004 17:25	Medina A Long	n.a.
08389	Low/High Encore Prep Tracking	SW-846 5035	2	10/15/2004 17:26	Medina A Long	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. SW 4378819

BA2-15-S-041014 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA2-15
 Collected:10/14/2004 11:05 by SC

Account Number: 11647

Submitted: 10/15/2004 09:05
 Reported: 11/01/2004 at 19:56
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA215

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.84
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.84
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.84
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.84
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.84
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.84
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.84
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.84
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.84
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.84
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.84
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.84
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.84

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/19/2004 20:13	Roy R Mellott Jr	0.84
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/19/2004 20:13	Roy R Mellott Jr	0.84
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/19/2004 20:13	Roy R Mellott Jr	0.84

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
 PO Box 12425
 Lancaster, CA 93505-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. SW 4378820

BA2-20-S-041014 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA2-20
 Collected:10/14/2004 11:10 by SC

Account Number: 11647

Submitted: 10/15/2004 09:05
 Reported: 11/01/2004 at 19:57
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.9
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.9
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.9
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.9
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.9
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.9
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.9
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.9
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.9
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.9
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.9
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.9
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.9

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/19/2004 20:38	Roy R Mellott Jr	0.9
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/19/2004 20:38	Roy R Mellott Jr	0.9
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/19/2004 20:38	Roy R Mellott Jr	0.9

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories, Inc.
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 fax: 717-656-2681



Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 11/01/04 at 07:57 PM

Group Number: 916468

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 042890017A	Sample number(s): 4378818							
Total TPH	N.D.	10.	mg/kg	79	84	77-126	6	20
C13-C22	N.D.	10.	mg/kg					
C23-C40	N.D.	10.	mg/kg					
Batch number: 04293A34A	Sample number(s): 4378817-4378818							
TPH - GRO, CA LUFT (Soils)	N.D.	0.2	mg/kg	84		67-119		
Batch number: 042950004A	Sample number(s): 4378817							
Total TPH	N.D.	10.	mg/kg	111		77-126		
C13-C22	N.D.	10.	mg/kg					
C23-C40	N.D.	10.	mg/kg					
Batch number: 043005708002	Sample number(s): 4378817							
Thallium	N.D.	10.	mg/kg	102		96-112		
Arsenic	N.D.	2.	mg/kg	92		90-110		
Selenium	N.D.	2.	mg/kg	103		94-114		
Antimony	N.D.	10.	mg/kg	83		28-144		
Barium	N.D.	1.	mg/kg	100		96-117		
Beryllium	N.D.	0.5	mg/kg	95		89-111		
Cadmium	N.D.	0.5	mg/kg	93		88-106		
Chromium	N.D.	1.	mg/kg	93		92-114		
Cobalt	N.D.	1.	mg/kg	92		88-107		
Copper	N.D.	2.	mg/kg	98		90-111		
Lead	N.D.	2.	mg/kg	92		86-109		
Molybdenum	N.D.	2.	mg/kg	94		90-110		
Nickel	N.D.	2.	mg/kg	92		89-107		
Silver	N.D.	1.	mg/kg	123		84-166		
Vanadium	N.D.	1.	mg/kg	106		83-146		
Zinc	N.D.	5.	mg/kg	92		91-110		
Batch number: 043005711002	Sample number(s): 4378817							
Mercury	N.D.	0.02	mg/kg	87		73-103		
Batch number: 043010001A	Sample number(s): 4378817							
PCB-1016	N.D.	50.	ug/kg	99		72-120		
PCB-1221	N.D.	50.	ug/kg					

*- Outside of specification

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





Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 11/01/04 at 07:57 PM

Group Number: 916468

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
1,2-Dichloropropane	N.D.	2.	ug/kg	95		78-119		
Dibromomethane	N.D.	2.	ug/kg	100		75-123		
Bromodichloromethane	N.D.	2.	ug/kg	96		77-116		
Toluene	N.D.	2.	ug/kg	98		81-116		
1,1,2-Trichloroethane	N.D.	2.	ug/kg	92		74-117		
Tetrachloroethene	N.D.	2.	ug/kg	108		73-127		
1,3-Dichloropropane	N.D.	2.	ug/kg	91		74-119		
Dibromochloromethane	N.D.	2.	ug/kg	93		73-116		
1,2-Dibromoethane	N.D.	2.	ug/kg	92		77-114		
Chlorobenzene	N.D.	2.	ug/kg	97		81-112		
1,1,1,2-Tetrachloroethane	N.D.	5.	ug/kg	96		78-115		
Ethylbenzene	N.D.	2.	ug/kg	96		82-115		
m+p-Xylene	N.D.	2.	ug/kg	97		82-117		
o-Xylene	N.D.	2.	ug/kg	96		82-117		
Styrene	N.D.	2.	ug/kg	95		79-116		
Bromoform	N.D.	5.	ug/kg	91		64-125		
Isopropylbenzene	N.D.	2.	ug/kg	98		79-117		
1,1,2,2-Tetrachloroethane	N.D.	2.	ug/kg	77		64-121		
Bromobenzene	N.D.	5.	ug/kg	93		77-113		
1,2,3-Trichloropropane	N.D.	10.	ug/kg	82		67-126		
n-Propylbenzene	N.D.	2.	ug/kg	92		74-113		
2-Chlorotoluene	N.D.	5.	ug/kg	93		73-114		
1,3,5-Trimethylbenzene	N.D.	2.	ug/kg	92		74-112		
4-Chlorotoluene	N.D.	5.	ug/kg	92		75-110		
tert-Butylbenzene	N.D.	5.	ug/kg	92		72-113		
1,2,4-Trimethylbenzene	N.D.	2.	ug/kg	92		74-117		
sec-Butylbenzene	N.D.	5.	ug/kg	91		72-112		
p-Isopropyltoluene	N.D.	2.	ug/kg	93		72-113		
1,3-Dichlorobenzene	N.D.	2.	ug/kg	93		76-112		
1,4-Dichlorobenzene	N.D.	2.	ug/kg	92		78-108		
n-Butylbenzene	N.D.	5.	ug/kg	91		68-116		
1,2-Dichlorobenzene	N.D.	2.	ug/kg	91		81-114		
1,2-Dibromo-3-chloropropane	N.D.	5.	ug/kg	67		49-127		
1,2,4-Trichlorobenzene	N.D.	5.	ug/kg	92		69-111		
Hexachlorobutadiene	N.D.	5.	ug/kg	92		57-122		
Naphthalene	N.D.	5.	ug/kg	72		58-114		
1,2,3-Trichlorobenzene	N.D.	5.	ug/kg	84		69-111		
Ethanol	N.D.	300.	ug/kg	45		37-170		
trans-1,3-Dichloropropene	N.D.	2.	ug/kg	95		72-119		
cis-1,3-Dichloropropene	N.D.	2.	ug/kg	96		72-117		
Xylene (Total)	N.D.	4.0	ug/kg	97		82-117		

Sample Matrix Quality Control

MS MSD MS/MSD RPD BKG DUP DUP Dup RPD

*- Outside of specification

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



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 11/01/04 at 07:57 PM

Group Number: 916468

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
t-Amyl methyl ether	124	126	58-126	5	30				
t-Butyl alcohol	107	104	46-148	1	30				
Dichlorodifluoromethane	136	134	37-157	3	30				
Chloromethane	100	98	51-134	2	30				
Vinyl Chloride	105	104	51-131	3	30				
Bromomethane	106	105	38-122	4	30				
Chloroethane	99	99	53-122	4	30				
Trichlorofluoromethane	126	124	42-143	3	30				
1,1-Dichloroethene	118	119	56-141	4	30				
Methylene Chloride	102	103	59-135	5	30				
trans-1,2-Dichloroethene	111	112	54-135	5	30				
1,1-Dichloroethane	107	108	65-125	5	30				
2,2-Dichloropropane	109	109	60-130	5	30				
cis-1,2-Dichloroethene	111	112	63-125	6	30				
Chloroform	111	111	65-126	4	30				
Bromochloromethane	109	111	42-129	6	30				
1,1,1-Trichloroethane	113	118	59-134	8	30				
Carbon Tetrachloride	118	120	53-130	5	30				
1,1-Dichloropropene	112	117	57-130	8	30				
Benzene	108	110	58-126	5	30				
1,2-Dichloroethane	108	110	62-130	5	30				
Trichloroethene	113	113	47-140	4	30				
1,2-Dichloropropane	104	105	64-120	5	30				
Dibromomethane	107	110	61-123	6	30				
Bromodichloromethane	104	106	57-126	6	30				
Toluene	105	106	55-125	5	30				
1,1,2-Trichloroethane	98	100	62-122	6	30				
Tetrachloroethene	122	122	39-160	4	30				
1,3-Dichloropropane	98	99	62-119	5	30				
Dibromochloromethane	101	102	62-120	5	30				
1,2-Dibromoethane	99	100	62-116	5	30				
Chlorobenzene	105	104	59-125	4	30				
1,1,1,2-Tetrachloroethane	103	105	62-122	5	30				
Ethylbenzene	105	105	50-127	4	30				
m+p-Xylene	106	106	53-124	4	30				
o-Xylene	103	103	55-124	4	30				
Styrene	44*	51	50-119	17	30				
Bromoform	97	97	52-123	4	30				
Isopropylbenzene	107	109	48-124	5	30				
1,1,2,2-Tetrachloroethane	79	83	37-142	9	30				
Bromobenzene	101	101	52-131	4	30				
1,2,3-Trichloropropane	84	90	47-144	11	30				
n-Propylbenzene	102	102	31-151	4	30				
2-Chlorotoluene	100	101	51-124	5	30				
1,3,5-Trimethylbenzene	100	101	47-130	5	30				
4-Chlorotoluene	99	99	51-125	4	30				
tert-Butylbenzene	105	105	47-130	4	30				

*- Outside of specification

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





Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 11/01/04 at 07:57 PM

Group Number: 916468

Surrogate Quality Control

Batch number: 042950004A

	Chlorobenzene	Orthoterphenyl
4378817	72	71
Blank	81	84
LCS	88	78
MS	84	75
MSD	77	66
Limits:	37-153	50-158

Analysis Name: PCBs in Solids

Batch number: 043010001A

	Tetrachloro-m-xylene	Decachlorobiphenyl
4378817	97	110
Blank	95	101
LCS	107	111
MS	91	111
MSD	102	116
Limits:	53-139	41-132

Analysis Name: EPA SW 846/8260 - Soil

Batch number: X042881AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4378819	97	96	90	88
4378820	97	97	91	89
Blank	96	93	92	87
LCS	94	93	94	89
LCSD	93	93	94	89
MS	95	92	94	87
Limits:	70-129	70-121	70-130	70-128

Analysis Name: EPA SW 846/8260 - Soil

Batch number: X043001AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4378817	97	92	92	86
Blank	96	96	92	86
LCS	96	94	94	88
MS	97	92	93	87
MSD	97	94	92	87
Limits:	70-129	70-121	70-130	70-128

*- Outside of specification

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





Lancaster Laboratories Sample No. SW 4377800

BA6-15-S-15.5-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA6-15
 Collected:10/13/2004 09:20 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:54
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA615

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method Detection Limit		
06955	Lead	7439-92-1	2.44	2.00	mg/kg	1
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.91
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.91
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	5.	2.	ug/kg	0.91
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.91
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.91
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.91
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.91
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.91
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.91
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.91
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.91
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.91
06301	Xylene (Total)	1330-20-7	6.	4.	ug/kg	0.91

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06955	Lead	SW-846 6010B	1	10/28/2004 17:48	John P Hook	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 12:34	Roy R Mellott Jr	0.91
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 12:34	Roy R Mellott Jr	0.91

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. SW 4377801

BA6-20-S-20-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA6-20
 Collected: 10/13/2004 09:30 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:54
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA620

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.85
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.85
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.85
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.85
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.85
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.85
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.85
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.85
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.85
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.85
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.85
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.85
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.85

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 12:08	Roy R Mellott Jr	0.85
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 12:08	Roy R Mellott Jr	0.85
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/17/2004 12:08	Roy R Mellott Jr	0.85

#-Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. SW 4377802

BA8-5-S-6.5-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA8-5
 Collected:10/13/2004 10:25 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:54
 Discard: 12/02/2004

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 25864-F Business Center Drive
 Redlands CA 92374

BA8-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.89
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.89
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.89
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.89
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.89
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.89
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.89
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.89
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.89
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.89
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.89
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.89
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.89

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 11:42	Roy R Mellott Jr	0.89
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 11:42	Roy R Mellott Jr	0.89
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/17/2004 11:42	Roy R Mellott Jr	0.89

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. SW 4377803

BA8-10-S-9.5-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA8-10
 Collected:10/13/2004 10:35 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:54
 Discard: 12/02/2004

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 Redlands CA 92374

BA810

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.88
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.88
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.88
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.88
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.88
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.88
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.88
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.88
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.88
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.88
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.88
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.88
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.88

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 11:17	Roy R Mellott Jr	0.88
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 11:17	Roy R Mellott Jr	0.88
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/17/2004 11:17	Roy R Mellott Jr	0.88

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. SW 4377804

BA4-15-S-15.5-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA4-15
 Collected:10/13/2004 11:40 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:54
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
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 Redlands CA 92374

BA415

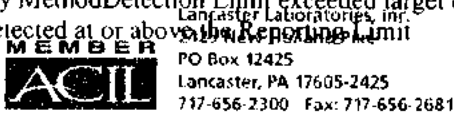
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.96
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.96
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.96
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.96
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.96
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.96
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.96
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.96

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 10:51	Roy R Mellott Jr	0.96
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 10:51	Roy R Mellott Jr	0.96
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/17/2004 10:51	Roy R Mellott Jr	0.96

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit





Lancaster Laboratories Sample No. SW 4377805

BA4-20-S-18-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA4-20
 Collected:10/13/2004 11:50 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:54
 Discard: 12/02/2004

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BA4-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.81
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.81
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.81
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.81
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.81
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.81
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.81
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.81
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.81
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.81
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.81
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.81
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.81

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 10:25	Roy R Mellott Jr	0.81
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 10:25	Roy R Mellott Jr	0.81
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/17/2004 10:25	Roy R Mellott Jr	0.81

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. SW 4377806

BA7-15-S-15.5-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA7-15
 Collected:10/13/2004 13:40 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:54
 Discard: 12/02/2004

ChevronTexaco c/o SECOR Int.
 25864-F Business Center Drive
 Redlands CA 92374

BA715

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	0.93
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	0.93
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	0.93
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	0.93
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	0.93
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	0.93
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	0.93
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	0.93
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	0.93
05460	Benzene	71-43-2	N.D.	2.	ug/kg	0.93
05466	Toluene	108-88-3	N.D.	2.	ug/kg	0.93
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	0.93
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	0.93

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 10:00	Roy R Mellott Jr	0.93
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 10:00	Roy R Mellott Jr	0.93
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/17/2004 10:00	Roy R Mellott Jr	0.93

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



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Lancaster Laboratories Sample No. SW 4377807

BA7-30-S-29.5-041013 NA Soil
 Facility# 95980 NA
 801 W Olympic-Montbello NA BA7-30
 Collected:10/13/2004 14:10 by BM

Account Number: 11647

Submitted: 10/14/2004 08:55
 Reported: 11/01/2004 at 19:55
 Discard: 12/02/2004

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 Redlands CA 92374

BA730

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03983	EPA SW 846/8260 - Soil					
06089	Ethanol	64-17-5	N.D.	300.	ug/kg	1
06185	TPH GRO in soil by 8260B					
06385	C6-C12-TPH-GRO	n.a.	N.D.	100.	ug/kg	1
06373	8260 Special Cmpds for Soils					
05475	m+p-Xylene	1330-20-7	N.D.	2.	ug/kg	1
05476	o-Xylene	95-47-6	N.D.	2.	ug/kg	1
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5.	ug/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	5.	ug/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	5.	ug/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	5.	ug/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	100.	ug/kg	1
05460	Benzene	71-43-2	N.D.	2.	ug/kg	1
05466	Toluene	108-88-3	N.D.	2.	ug/kg	1
05474	Ethylbenzene	100-41-4	N.D.	2.	ug/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	4.	ug/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	10/17/2004 09:34	Roy R Mellott Jr	1
06185	TPH GRO in soil by 8260B	SW-846 8260B	1	10/17/2004 09:34	Roy R Mellott Jr	1
06373	8260 Special Cmpds for Soils	SW-846 8260B	1	10/17/2004 09:34	Roy R Mellott Jr	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



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 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Quality Control Summary

Client Name: ChevronTexaco c/o SECOR Int.
 Reported: 11/01/04 at 07:55 PM

Group Number: 916309

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 043025708001	Sample number(s): 4377800							
Lead	N.D.	2.	mg/kg	96		86-109		
Batch number: X042881AB	Sample number(s): 4377800-4377807							
Methyl Tertiary Butyl Ether	N.D.	5.	ug/kg	98	96	75-125	2	30
di-Isopropyl ether	N.D.	5.	ug/kg	98	96	70-129	3	30
Ethyl t-butyl ether	N.D.	5.	ug/kg	98	96	71-124	2	30
t-Amyl methyl ether	N.D.	5.	ug/kg	101	98	63-129	2	30
t-Butyl alcohol	N.D.	100.	ug/kg	81	82	51-160	1	30
Benzene	N.D.	2.	ug/kg	102	100	77-119	2	30
Toluene	N.D.	2.	ug/kg	101	98	81-116	2	30
Ethylbenzene	N.D.	2.	ug/kg	100	98	82-115	3	30
m+p-Xylene	N.D.	2.	ug/kg	101	98	82-117	3	30
o-Xylene	N.D.	2.	ug/kg	99	96	82-117	3	30
Ethanol	N.D.	300.	ug/kg	60	59	37-170	1	30
Xylene (Total)	N.D.	4.0	ug/kg	100	97	82-117	3	30
C6-C12-TPH-GRO	N.D.	100.	ug/kg	104	101	70-130	3	30

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 043025708001	Sample number(s): 4377800								
Lead	116	117	75-125	1	20	3.62	3.88	7 (1)	20
Batch number: X042881AB	Sample number(s): 4377800-4377807								
Methyl Tertiary Butyl Ether	99		49-140						
di-Isopropyl ether	98		55-132						
Ethyl t-butyl ether	98		65-123						
t-Amyl methyl ether	99		58-126						
t-Butyl alcohol	99		46-148						
Benzene	103		58-126						
Toluene	102		55-125						
Ethylbenzene	103		50-127						

*- Outside of specification

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



Account# 11647 Group# 9163 Chain of Custody Form Sample# 4377800 - 867 of Z
 Chevron Environmental Management Company # 145 S. State College Boulevard # Brea, CA 92822-2292 COC I of Z

Chevron Site Global ID: _____
 Chevron Site Number: 9-5990
 Chevron Site Address: 801 W. Olympic Blvd
Montebello, CA 90640
 Chevron PM: ~~Montebello~~ Blanker, Ron
 Chevron PM Phone No.: (714) 671-2980
3248
 Chevron Service Order No.: _____
 Chevron Line Item: _____
 Chevron Service Code:
 Construction/Field Job or
 Retail and Terminal Business Unit (RTBU) Job
 NOTE:
 THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT
 CORRECTLY AND COMPLETELY.

Chevron Consultant: Secor International, Inc.
 Address: 2564-F Business Center Drive, Redlands, CA
 Consultant Contact: Pete Benson
 Consultant Phone No. (800) 335-6118
 Consultant Project No. 04CH. 95190.00
 Sampling Company: Secor International, Inc.
 Sampled By (Print): Bryan Murray
 Sampler Signature: [Signature]

Del Mar Analytical
 Irvine, CA
 Cotton, CA
 Roberts
 Phone No.: _____
 (949) 261-1022
 (909) 370-4687
 Lancaester Laboratories
 Lancaester, PA
 Lab Contact
 Lab Contact: _____
 Cunnigham
 Phone No.: _____
 (717) 656-2300

Field Point Name	Matrix	Top Depth	Date (yy/mm/dd)	Sample Time	Container Type	# of Containers	Preservation	ANALYSES REQUIRED										Special Instructions	
								EPA 8015B TPH-G	EPA 8018B BTEX	EPA 8260B TPH-G	EPA 8010 CA, FE, K, MG, MN, NA	EPA 6010/7000 TITLE 22 METALS	EPA 310.1 ALKALINITY	SM 2510B SPECIFIC CONDUCTIVITY	EPA 418.1 THPH	EPA 413.1OM/GREASES	Temp. Blank Check Time		Notes/Comments
BA-6-10	Soil	10.5	04/10/13	910	ring	1	ICC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For Highest TPTHy entire site >10mg/kg. Am total lead by 600
-15		15.5		920	ring/enclave	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-20		20		930		4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BA-8-5		6.5		1025		4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-10		9.5		1035		4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BA-4-10		10.5		1130	ring	1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-15		15.5		1140	ring/enclave	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-20		18		1150		4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BA-7-10		10.5		1330	ring	1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
-15		15.5		1340	ring/enclave	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Relinquished By: [Signature] Company: Secor Date/Time: 10/13/04 1430
 Relinquished To: [Signature] Company: FedEx Date/Time: 8488 7915 8490
 Relinquished By: [Signature] Company: ULI Date/Time: 10-14-04
 Sample Integrity: (Check by lab on arrival) Intact: y On Ice: y Temp: 4.0
 Turnaround Time: 24 hours 48 hours Standard Other

APPENDIX F
INVESTIGATION DERIVED WASTE
TRANSPORTATION AND DISPOSAL DOCUMENTATION
(TO BE PROVIDED UNDER SEPARATE COVER)



Appendix C5
City of Montebello School District – EDR Map Code 44

DRAFT

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

MONTEBELLO UNIFIED SCHOOL DIST (T0603705219) - [\(MAP\)](#)

[SIGN UP FOR EMAIL ALERTS](#)

505 GREENWOOD AVE S
 MONTEBELLO, CA 90640
 LOS ANGELES COUNTY
LUST CLEANUP SITE

[PRINTABLE CASE SUMMARY](#) / [CSM REPORT](#)

CLEANUP OVERSIGHT AGENCIES

LOS ANGELES COUNTY (**LEAD**)

CASEWORKER: [JOHN AWUJO](#)

LOS ANGELES RWQCB (REGION 4) - CASE #: R-14124

CASEWORKER: [YUE RONG](#)

Regulatory Profile

CLEANUP STATUS - [DEFINITIONS](#)

COMPLETED - CASE CLOSED AS OF 5/6/1991 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

GASOLINE

POTENTIAL MEDIA AFFECTED

SOIL

FILE LOCATION

BENEFICIAL USE

NONE SPECIFIED

DWR GROUNDWATER SUB-BASIN NAME

Coastal Plain Of Los Angeles - Central (4-11.04)

RB WATERSHED NAME

Los Angeles River - Los Angeles (412.10)

Site History

No site history available

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Appendix C6

Chevron Montebello Terminal – EDR Map Code 45

DRAFT

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CHEVRON MONTEBELLO TERMINAL (SL377462479) - [\(MAP\)](#)

[SIGN UP FOR EMAIL ALERTS](#)

601 VAIL AVE
 MONTEBELLO, CA
 LOS ANGELES COUNTY
 CLEANUP PROGRAM SITE

[PRINTABLE CASE SUMMARY / CSM REPORT](#)

CLEANUP OVERSIGHT AGENCIES

LOS ANGELES RWQCB (REGION 4) (**LEAD**) - CASE #. 0328

CASEWORKER: [GREGG CRANDALL](#)

Regulatory Profile

CLEANUP STATUS - [DEFINITIONS](#)

OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION AS OF 3/29/2010 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

ARSENIC, BENZENE, DIESEL, GASOLINE,
 OTHER PETROLEUM, TOLUENE, XYLENE

POTENTIAL MEDIA AFFECTED

AQUIFER USED FOR DRINKING WATER
 SUPPLY, INDOOR AIR, SOIL, SOIL VAPOR

FILE LOCATION

REGIONAL BOARD

BENEFICIAL USE

NONE SPECIFIED

DWR GROUNDWATER SUB-BASIN NAME

Coastal Plain Of Los Angeles - Central (4-11.04)

RB WATERSHED NAME

Los Angeles River - Los Angeles (412.10)

Site History

Located at 601 S Vail Street in Montebello. Original site comprised of 43 acres, of which 30 acres were divested in the 1990s and redeveloped to commercial/light industrial and regional transit station. Remaining 13 acres include present gasoline, diesel and fuel storage ASTs with above-ground pipelines to the truck fueling racks. Was the site of petroleum storage and transfer activities since 1915.

TPH and BTEX in soil and GW discovered beneath the site in 1990 at two primary source areas located at the fueling racks and a production well. Horizontal SVE system was installed beneath the existing ASTs at the site to remediate TPH and BTEX in soils. Several vertical extraction wells were installed in the fueling rack area to determine feasibility of in-situ remediation but were never fully operated. The soil, soil vapor and groundwater plumes appear stable, but additional assessment is needed to characterize the full extents.

To date, over 1.6 million pounds of hydrocarbon have been removed by the horizontal SVE system; however, groundwater contamination has not been directly remediated. 8000 cubic yards of petroleum contaminated soil was initially removed from several areas identified in the original assessments, primarily in divested portions of the property prior to redevelopment.

Currently there are 15 total groundwater monitoring wells at the site and 3 off-site. Depth to groundwater is presently approximately 100 feet bgs; however there have historically been groundwater elevation fluctuations of over 25 feet. Groundwater flows primarily to the southwest, with minor fluctuations due to fluctuating groundwater levels. The current maximum benzene concentration is 580 ug/L in well RW-1; benzene is below detection limits in 11 wells. Maximum MTBE concentration is 3 ug/L. The current maximum TPH as gasoline concentration is 3200 ug/L in well RW-1.

September 14, 2015



Mr. Gregg Crandall
California Regional Water Quality Control Board
Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, California 90013

**Subject: Request for Groundwater Monitoring Well Sampling Reduction
Chevron Montebello Terminal No. 100-1654**
601 South Vail Avenue, Montebello, California
SCP No. 0328, Site ID No. 2040102, CAO No. R4-2014-0194

Dear Mr. Crandall:

On behalf of Chevron Environmental Management Company (EMC), Leidos Engineering, LLC (hereafter, Leidos) is documenting the September 8, 2015 e-mail communication between Dr. Stephen Edelman of Leidos and Mr. Greg Crandall of the Los Angeles Regional Water Quality Control Board (Regional Board) regarding the groundwater monitoring program for Chevron Terminal No. 100-1654, located at 601 S. Vail Avenue, Montebello, California.

During the previous two groundwater monitoring and sampling events (conducted in the third quarter 2014 and the first quarter 2015), all wells (MW-01, MW-03 through MW-10, MW-12 through MW-16, MW-19 through MW-24, RW-1, RW-2A, and RW-3 through RW-5) were dry. Additionally, during the recent drilling of deeper wells MW-25 through MW-29, groundwater was estimated to be at a depth of 150 feet, 20 feet deeper than the 130-foot depth of the deepest of the earlier wells. Therefore, there seems little value in gauging wells that are now vadose wells. In the e-mail communication on September 8, 2015, the Regional Board approved the following modification to the groundwater monitoring program for the third quarter 2015 monitoring event. If the five newly installed groundwater monitoring wells (MW-25 through MW-29) have depth to water levels around 150 feet below ground surface (bgs) or deeper, as expected, and representative wells RW-2A, RW-3, and MW-19 (all screened to 130 feet bgs) are dry, then it will be assumed that all other wells (also screened to a maximum of 130 feet bgs) are dry, and the wells will no longer be gauged during groundwater events until water levels rise to the 130-foot depth level.

If you have any questions, please contact me at (909) 747-4793 or the EMC Project Manager, Mr. Mike Bauer, at (714) 671-3207.

Sincerely,
Leidos Engineering, LLC

A handwritten signature in black ink, appearing to read "Stephen Edelman", written over a horizontal line.

Dr. Stephen Edelman, PG, CHG
Project Manager

cc: Mr. Mike Bauer, EMC
Mr. Ken Millman – Property Owner (CD-ROM)
Mr. Russ Binggeli-RREEF America Reit II Corp. KKKK (CD-ROM)
Mr. Elias Muniz – Bimbo Bakery
Mr. Jesse Hernandez - Loomis
Leidos Project File



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

June 19, 2015

Mr. Mike Bauer
Chevron Environmental Management Company
145 South State College Blvd, Suite 400
Brea, CA 92821-5818

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7012 3460 0002 9486 3254

SUBJECT: APPROVAL OF SITE ASSESSMENT WORK PLAN, PURSUANT TO CLEANUP AND ABATEMENT ORDER NO. R4-2014-0194

SITE/CASE: CHEVRON MONTEBELLO TERMINAL NO. 100-1654, 601 SOUTH VAIL AVENUE, MONTEBELLO, CA (SCP NO. 0328, SITE ID NO. 2040102)

Dear Mr. Bauer:

Los Angeles Regional Water Quality Control Board (Regional Board) staff reviewed the April 10, 2015, *Site Assessment Work Plan* (Work Plan), submitted on behalf of Chevron Environmental Management Company (CEMC) by Leidos Engineering, LLC (Leidos) for the referenced site. The Work Plan proposes the following scope of work at the site.

- Install two soil vapor extraction (SVE) observation wells for SVE pilot testing;
- Conduct SVE pilot testing to determine SVE radius of influence (ROI);
- Install step-out borings for source area delineation using the pilot test ROI to determine step-out boring spacing; and,
- Install SVE wells at those soil borings where petroleum hydrocarbons are detected at elevated concentrations.

The Work Plan is in response to Cleanup and Abatement Order (CAO) No. R4-2014-0194 issued by the Regional Board on September 30, 2014, requiring a work plan to delineate the horizontal and vertical extent of petroleum hydrocarbons, gasoline additives, and other waste constituents in the soil matrix, soil vapor, and groundwater at and in the vicinity of the site.

Regional Board staff have also reviewed the additional information presented in the technical discussion meeting held among CEMC, Leidos, and Regional Board Staff on May 20, 2015, including hypothetical soil boring/SVE well locations, and identified inaccessible areas of the site.

Based on the review of the information submitted, you are authorized to implement the Work Plan, with the following comments and additions:

1. The proposed scope of work is considered to be part of a phased approach to adequately define the extent of source area contamination, and perform source area remediation at the site. Based on the results obtained during this phase of investigation, additional soil assessment may be required in the future to adequately define the extent of soil contamination to background concentrations.

CHARLES SIBINGO, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | www.waterboards.ca.gov/losangeles

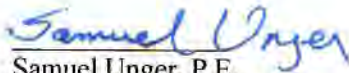
2. SVE well installation and pilot testing is deemed to be part of an interim removal action to reduce contaminant mass in the source area; a final remediation strategy for the site will be developed in the future.
3. The Work Plan indicates that SVE pilot testing wells will be screened from 70-130 feet bgs at the site. SVE pilot testing shall also be performed within the upper vadose zone between 0-70 feet bgs, and a network of shallow SVE wells shall be installed with appropriate screened intervals to effectively remove source area contamination throughout the upper vadose zone at the site.
4. An adequate number of deep soil borings shall be advanced to the water table to collect grab groundwater samples for laboratory analysis. Adequate sample locations shall be selected to result in a maximum 200 feet spacing between sampling points across the entire site footprint. Grab samples are necessary as a screening tool to aid in the location and design of additional groundwater monitoring wells necessary to adequately assess current and expected future groundwater quality conditions at the site.
5. At least one additional nested groundwater monitoring well, completed with shallow and deep screened intervals, shall be installed in the intermediate area between existing monitoring wells RW-1 (in the northern source area) and MW-19 (near the southwestern property boundary).
6. Because soil cleanup goals have not been established, a threshold OVA headspace reading of 100 ppm (corresponding to approximately 100 mg/kg TPHg), should be used to define the extent of source area soil impacts to be addressed by interim SVE remediation at the site.
7. The Work Plan proposes to perform two SVE pilot tests whereby vacuum is applied to a single SVE well; however, because multiple SVE wells will eventually be installed and operated concurrently, competition for the available pore air in the subsurface will exist between the SVE wells, reducing the measured ER and ROI for each SVE well due to interference. Therefore, a three-dimensional air flow simulation shall be performed as part of the system design (using the American Petroleum Institute [API] AIR3D computer model, or comparable model) to verify that the proposed SVE system will provide adequate air velocities (and pore volume exchange rates) throughout all subsurface intervals where SVE wells are to be screened.
8. If SVE pilot test results indicate the ROI or RE of the proposed SVE wells does not extend to the center of either of the inaccessible source areas located beneath the footprint of the Current Loading Rack and/or Current AST Farm areas, an appropriate number of horizontal and/or angle soil borings shall be installed and completed as SVE wells as necessary to effectively remediate source area contamination to the greatest degree practicable beneath these inaccessible areas.
9. Pursuant to CAO No. R4-2014-0194, you are required to submit an interim report for soil assessment, SVE well installation, SVE pilot testing, groundwater monitoring well installation, and groundwater sampling results to the Regional Board via GeoTracker by **October 15, 2015**. The interim report shall include proposed SVE well locations the calculated ROI and RE for the proposed SVE well system, and SVE well screened intervals, for our review and approval prior to SVE well installation.

The required technical report, as specified in item 9 above, pertains to requirement 2a in Attachment B (Time Schedule) of CAO No. R4-2014-0194; therefore Attachment B has been revised to reflect the technical report submittal due date.

The revision of Attachment B (Time Schedule) of the CAO constitutes an amendment to the existing CAO No. R4-2014-0194 issued by the Regional Board on September 30, 2014. All other aspects of the CAO issued September 30, 2014 remain in full force and effect. Pursuant to section 13350 of the California Water Code, failure to submit the required technical report by the specified due date may result in imposition or civil liabilities administratively by the Regional Board in an amount up to five thousand dollars (\$5,000) per day for each day the technical report is not received, and the matter may be referred to the Attorney General for further enforcement. The Regional Board reserves its right to take any further enforcement action authorized by law.

If you have any questions, please contact the project manager, Mr. Gregg Crandall, at (213) 576-6701 or Gregg.crandall@waterboards.ca.gov.

Sincerely,



Samuel Unger, P.E.
Executive Officer

Enclosure: Attachment B: Revised Time Schedule

cc: Steve Targanyan, Leidos
Montebello City, 1600 W Beverly Blvd, Montebello, CA 90640
Kenneth Millman, 2200 Flotilla LLC, 1880 Century Park E #607, Los Angeles, CA 90067
Montebello Management LLC, 153 Bauer Dr, Oakland, NJ 07436
RREEF America REIT II Corp KKKK, PO Box 4900, Scottsdale, AZ 85261

ATTACHMENT B: TIME SCHEDULE

DIRECTIVE		DUE DATE
1.	Develop a Site Conceptual Model:	
1a	Prepare and submit a Site Conceptual Model which provides details on and illustrates waste discharge scenario, geology and hydrogeology, waste constituent fate and transport in soil, soil gas and groundwater, distribution of waste constituents, exposure pathways, sensitive receptors and other relevant information.	Submitted on January 31, 2014.
1b	The Regional Board may require revisions and updates to the Site Conceptual Model	Within 60 days of receiving directives from the Regional Board
2.	Complete Assessment and Delineation of Waste Discharge:	
2a	Prepare and submit a Site Assessment Work plan including a schedule for adequately assessing and delineation of the horizontal and vertical extent of wastes, including petroleum hydrocarbons, gasoline additives, and other waste constituents in the soil matrix, soil vapor, and groundwater onsite and offsite.	April 15, 2015
	Implement the Site Assessment Work Plan according to the approved schedule.	June 19, 2015
	Upon completion of implementation of the approved Site Assessment Work plan, submit a Site Assessment Report.	October 15, 2015
2b	Multiple Site Assessment Work Plans and Reports may be required to complete assessment of and adequately delineate waste discharge	According to the schedules specified by Executive Officer

3.	Conduct Remedial Action:	
3a	<p>Submit a Remedial Action Plan (RAP) or interim RAP for cleanup of wastes in soil, soil vapor and groundwater that includes a time schedule for implementation.</p> <p>Implement the RAP</p> <p>Upon completion of implementation of the RAP or reaching the limits of approved remedial actions, submit Remedial Action Confirmation Work Plans/Reports, or a Remediation Completion Report.</p>	<p>August 15, 2016</p> <p>According to the schedule approved or specified by Executive Officer</p> <p>According to the schedule approved or specified by Executive Officer</p>
3b	<p>Multiple RAPs and Confirmation Work Plans/Reports and Remediation Completion Reports may be required to implement multiple remedial measures to achieve all site cleanup goals.</p>	<p>According to the schedules specified by Executive Officer</p>
4.	Develop a Public Participation Plan	
4a	<p>Submit a public participation plan which includes the scope of work to comply with section 13307.5 of the California Water Code, and prepare for future potential public participation activities during the investigation, remediation, and monitoring at the site and in the vicinity.</p>	<p>April 15, 2015</p>
4b	<p>Implement the public participation plan – to inform the public of the status of the site investigation and remediation, and get the public involved in the Regional Board’s decision-making process.</p>	<p>According to the schedule approved or specified by Executive Officer</p>

Revised: June 19, 2015

April 15, 2015



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

**Subject: First Quarter 2015 Semi-Annual Groundwater Monitoring Report
Chevron Montebello Terminal No. 100-1654
601 South Vail Avenue, Montebello, California
SCP No. 0328, Site ID No. 2040102**

Dear Mr. Crandall:

On behalf of Chevron Environmental Management Company (EMC), Leidos Engineering, LLC (Leidos), submits this Groundwater Monitoring Report for the above-referenced site. Work conducted during this period included groundwater monitoring performed by Blaine Tech Services, Inc.

During this reporting period, groundwater elevations remained below the bottom of the well screens and as a result, samples could not be collected from any of the groundwater monitoring wells. All accessible wells that are part of the groundwater monitoring network were dry. Twenty-four of the twenty-five groundwater monitoring wells were accessible during this sampling event. The property owner at the location of well MW-23 did not allow access since the property is under new ownership. Chevron is currently pursuing to establish site access and will attempt to sample the well during the next groundwater monitoring event. A table of the well identification and related information is included in Attachment 1. A site plan showing the locations of the wells is included as in Attachment 2. Electronic Deliverable Format (EDF) files were not uploaded to the State Water Resources Board GeoTracker website since groundwater samples were not collected or analyzed.

If you have any questions, please contact Mr. Steve Targanyan, the Leidos Project Manager, at (714) 257-6407, or Mr. Mike Bauer, the Chevron EMC Project Manager, at (714) 671-3207.

Respectfully submitted,
Leidos Engineering, LLC

A handwritten signature in blue ink, appearing to read "Steve Targanyan".

Steve Targanyan
Project Manager

A handwritten signature in blue ink, appearing to read "Stephen Edelman".

Dr. Stephen Edelman
Professional Geologist No. 5117



- Attachment 1 – Table
- Attachment 2 – Figures
- Attachment 3 – Groundwater Sampling Procedures and Field Sheets
- Attachment 4 – Perjury Statement Letter

cc: Mr. Mike Bauer, EMC
Mr. Ken Millman – Property Owner (CD-ROM)
Mr. Russ Binggeli – RREEF America Reit II Corp. KKKK
Mr. Elias Muniz – Bimbo Bakery
Leidos Project File

REPORT LIMITATIONS

- This technical document was prepared on behalf of EMC and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by Leidos. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and that Leidos Engineering, LLC (Leidos) shall have no responsibility or liability for the consequences thereof.
- Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from EMC and others. Leidos has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.
- Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.
- Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of Leidos's site visits or site work and cannot be applied to conditions and features of which Leidos is unaware and has not had the opportunity to evaluate.
- All sources of information on which Leidos has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied upon by Leidos in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.

ATTACHMENT 1

TABLES

Table 1. Current Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPHd (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments
MW-01	2/13/2015	187.77	DRY	0	--	124.55	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-03	2/13/2015	182.11	DRY	0	--	118.10	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-04	2/13/2015	178.47	DRY	0	--	119.38	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	2/13/2015	188.26	DRY	0	--	118.86	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-06	2/13/2015	184.28	DRY	0	--	125.15	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-07	2/13/2015	187.53	DRY	0	--	124.71	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-08	2/13/2015	186.70	DRY	0	--	123.12	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-09	2/13/2015	189.36	DRY	0	--	118.05	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-10	2/13/2015	177.57	DRY	0	--	118.66	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-12	2/13/2015	190.45	DRY	0	--	115.91	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-13	2/13/2015	189.48	DRY	0	--	122.88	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-14	2/13/2015	187.64	DRY	0	--	122.38	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-15	2/13/2015	181.43	DRY	0	--	114.50	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-16	2/13/2015	190.75	DRY	0	--	117.34	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-19	2/13/2015	185.83	DRY	0	--	130.91	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-20	2/13/2015	187.25	DRY	0	--	129.29	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-21	2/13/2015	189.16	DRY	0	--	130.61	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-22	2/13/2015	184.76	DRY	0	--	130.33	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-23	2/13/2015	188.50	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Access Well
MW-24	2/13/2015	191.23	DRY	0	--	123.72	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-1	2/13/2015	190.01	DRY	0	--	127.43	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-2A	2/13/2015	190.98	DRY	0	--	130.52	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-3	2/13/2015	188.94	DRY	0	--	129.78	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-4	2/13/2015	188.14	DRY	0	--	129.62	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-5	2/13/2015	191.30	DRY	0	--	127.16	--	--	--	--	--	--	--	--	--	--	--	--	DRY

Notes: ug/L = Micrograms per liter
 ND = Not detected
 NAPL = Non-aqueous phase liquid
 TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B
 TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
 MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
 ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
 DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
 TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
 TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
 TPHd with Silica Gel = TPHd analyzed using silica gel cleanup and by EPA Method 8015B
 J = denotes value between method detection limit and detection limit for reporting purposes
 Benzene, toluene, ethylbenzene, and total xylenes (collectively termed BTEX) analyzed by EPA Method 8260B
 ft bgs = feet below ground surface
 ft MSL = feet above mean sea level
 Detected concentrations are shown in bold type
 DRY = No water detected in well or water in end cap not representative of groundwater levels and with insufficient water to sample.
 Wells MW-04, MW-05, MW-06, and MW-13 were resurveyed on August 9, 2011 by Johnson-Frank & Associates, Inc. to North American Vertical Datum of 1988 (NAVD88).
 Wells MW-01, MW-03, MW-07, MW-08, MW-09, MW-12, MW-14, MW-15, MW-16, and RW-1 were resurveyed on December 13, 2011 by Johnson-Frank & Associates, Inc. to NAVD88.
 Well MW-10 was resurveyed on March 1, 2012 by Johnson-Frank & Associates, Inc. to NAVD88.
 Wells MW-23, MW-24, RW-2A, RW-3, RW-4, and RW-5 were surveyed on January 29, 2013 by Johnson-Frank & Associates, Inc. to NAVD88.

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-01	12/5/1989	184.06	--	--	--	--	ND	170	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	12/8/1989	184.06	100.00	--	84.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01	4/29/1991	184.06	91.25	--	92.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01	9/18/1991	184.06	92.59	--	91.47	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	12/2/1992	184.06	84.43	--	99.63	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	7/22/1993	184.06	76.34	--	107.72	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	12/16/1993	184.06	76.22	--	107.84	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	2/17/1994	184.06	74.62	--	109.44	--	ND	--	--	0.8	0.8	ND	1.0	--	--	--	--	--	--	--	--	--
MW-01	5/4/1994	184.06	72.31	--	111.75	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	8/1/1994	184.06	73.33	--	110.73	--	ND	--	--	2.2	0.6	ND	0.7	--	--	--	--	--	--	--	--	--
MW-01	11/22/1994	184.06	83.10	--	100.96	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	8/29/1995	184.06	78.57	--	105.49	--	ND	ND	--	30	10	ND	2.0	--	--	--	--	--	--	--	--	--
MW-01	11/27/1995	184.06	82.63	--	101.43	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	5/20/1996	184.06	74.43	--	109.63	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-01	8/26/1996	184.06	76.67	--	107.39	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-01	11/11/1996	184.06	77.76	--	106.30	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-01	1/22/1997	184.06	76.52	--	107.54	--	ND	ND	--	1.8	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-01	4/24/1997	184.06	72.25	--	111.81	--	ND	--	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-01	6/9/1998	184.06	74.28	--	109.78	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-01	12/16/1998	184.06	81.65	--	102.41	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-01	3/12/1999	184.06	82.62	--	101.44	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	27	--	--	--	--	--	--	--	--
MW-01	6/29/1999	184.06	83.81	--	100.25	--	ND<500	ND<1,000	--	0.4	ND<0.3	2.0	4.0	ND<10	--	--	--	--	--	--	--	--
MW-01	9/14/1999	184.06	88.65	--	95.41	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-01	12/8/1999	184.06	92.16	--	91.90	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-01	2/15/2000	184.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-01	3/17/2000	184.06	90.83	--	93.23	--	ND<500	ND<500	--	2.0	1.0	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-01	4/24/2000	184.06	88.08	--	95.98	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-01	7/14/2000	184.06	86.58	--	97.48	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-01	10/11/2000	184.06	90.91	--	93.15	--	70 J	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-01	1/9/2001	184.06	92.96	--	91.10	--	79 J	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	6.0	--	--	--	--	--	--	--	--
MW-01	5/1/2001	184.06	89.22	--	94.84	124.55	ND<100	ND<500	--	4.9 J	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-01	7/9/2001	184.06	90.72	--	93.34	124.26	114	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-01	10/23/2001	184.06	96.60	--	87.46	124.30	110	ND<1,000	--	2.7	7.3	ND<5	14	--	3.7	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-01	1/9/2002	184.06	99.53	--	84.53	124.60	105	ND<1,000	--	1.3	ND<5	ND<5	6.7	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-01	4/3/2002	188.13	97.66	--	90.47	124.60	ND<100	--	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-01	7/25/2002	188.13	97.20	--	90.93	124.61	67 J	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-01	1/28/2003	184.25	96.67	--	87.58	106.65	64 J	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-01	7/28/2003	184.25	95.50	--	88.75	124.50	ND<50	280 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-01	2/5/2004	184.25	100.86	--	83.39	113.45	61 J	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-01	7/20/2004	184.25	102.00	0	82.25	113.57	100	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	Gauged w/stinger in well
MW-01	1/25/2005	184.25	103.93	0	80.32	113.42	53 J	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	41	--	Gauged w/stinger in well
MW-01	7/13/2005	184.25	92.53	0	91.72	111.79	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-01	3/2/2006	184.25	100.07	0	84.18	124.35	27 J	57 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<0.5	ND<5	--	--
MW-01	7/20/2006	184.25	93.55	0	90.70	124.54	21 J	81 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<0.5	ND<5	--	--
MW-01	1/31/2007	184.25	91.79	0	92.46	124.52	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-01	7/31/2007	184.25	93.22	0	91.03	124.74	36 J	ND<58	--	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<0.5	14	--	--
MW-01	2/7/2008	184.25	103.39	0	80.86	124.68	100	63 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<0.5	23	--	--
MW-01	7/23/2008	184.25	99.80	0	84.45	109.73	26 J	50 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<0.5	ND<2	--	--
MW-01	3/19/2009	184.25	109.81	0	74.44	124.76	83	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<0.5	27	--	--
MW-01	7/30/2009	184.25	114.57	0	69.68	124.24	57	110	--	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<0.5	15	--	--
MW-01	2/4/2010	184.25	119.74	0	64.51	124.69	24 J	ND<50	--	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<0.5	9	--	--
MW-01	8/10/2010	184.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-01	2/2/2011	184.25	108.50	0	75.75	124.79	ND<20	120	--	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<0.5	ND<2	--	--
MW-01	8/11/2011	184.25	100.63	0	83.62	124.81	30 J	ND<47	--	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<0.5	ND<2	--	--
MW-01	3/1/2012	187.77	99.53	0	88.24	124.75	56	ND<50	--	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<0.5	ND<2	--	--
MW-01	7/2/2012	187.77	100.26	0	87.51	124.97	ND<20	ND<50	--	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<0.5	3 J	--	--
MW-01	1/3/2013	187.77	108.07	0	79.70	124.68	40 J	ND<50	--	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<0.5	6	--	--
MW-01	7/1/2013	187.77	115.47	0	72.30	124.66	29 J	ND<50	--	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<0.5	5 J	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments
MW-01	2/12/2014	187.77	DRY	0	--	124.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-01	7/1/2014	187.77	DRY	0	--	124.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-01	2/13/2015	187.77	DRY	0	--	124.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-02	12/5/1989	183.36	--	--	--	--	360	1,200	--	48	3.8	ND	ND	--	--	--	--	--	--	--	--
MW-02	12/8/1989	183.36	101.55	--	81.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02	4/29/1991	183.36	--	--	94.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02	9/18/1991	183.36	95.77	--	87.59	--	1,800	ND	--	190	90	7.0	98	--	--	--	--	--	--	--	--
MW-02	12/2/1992	183.36	87.56	--	95.80	--	1,800	ND	--	460	110	2.8	63	--	--	--	--	--	--	--	--
MW-02	7/22/1993	183.36	--	--	104.28	--	15,000	--	--	3,000	2,400	270	1,100	--	--	--	--	--	--	--	--
MW-02	12/16/1993	183.36	78.88	--	104.48	--	10,000	--	--	2,600	2,700	270	1,200	--	--	--	--	--	--	--	--
MW-02	2/16/1994	183.34	77.05	--	106.29	--	27,000	--	--	6,300	6,200	730	2,800	--	--	--	--	--	--	--	Resurveyed
MW-02	5/4/1994	183.34	--	--	--	--	8,000	--	--	1,600	1,900	150	780	--	--	--	--	--	--	--	--
MW-02	8/1/1994	183.34	76.06	--	107.28	--	92,000	--	--	14,000	26,000	2,000	12,000	--	--	--	--	--	--	--	--
MW-02	11/22/1994	183.34	84.62	--	98.72	--	46,000	2,200	--	1,100	800	140	590	--	--	--	--	--	--	--	--
MW-02	8/29/1995	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-02	11/27/1995	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-02	5/20/1996	183.34	77.11	--	106.23	--	4,300	1,500	--	1,200	610	140	360	--	--	--	--	--	--	--	--
MW-02	8/26/1996	183.34	80.04	--	103.30	--	25,000	7,200	--	8,300	960	810	2,300	54	--	--	--	--	--	--	--
MW-02	11/11/1996	183.34	80.30	--	103.04	--	710	570	--	250	10	ND	24	ND	--	--	--	--	--	--	--
MW-02	1/22/1997	183.34	71.96	--	111.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-02	4/24/1997	183.34	74.85	--	108.49	--	210	--	--	38	2.4	1.9	3.0	22	--	--	--	--	--	--	--
MW-02	6/10/1998	183.34	77.20	--	106.14	--	3,300	2,400	--	1,200	270	180	490	ND	--	--	--	--	--	--	--
MW-02	12/16/1998	183.34	84.32	--	99.02	--	9,980	ND<500	--	2,160	83	45	260	ND<500	--	--	--	--	--	--	--
MW-02	3/12/1999	183.34	85.14	--	98.20	--	2,240	ND<500	--	505	10	34	20	36	ND<20	--	--	--	--	--	--
MW-02	6/29/1999	183.34	86.30	--	97.04	--	6,400	ND<1000	--	1,400	150	195	460	ND<1,000	--	--	--	--	--	--	--
MW-02	9/14/1999	183.34	90.61	--	92.73	44.46	ND<500	ND<500	--	13	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-02	12/8/1999	183.34	95.04	--	88.30	44.92	ND<500	ND<500	--	375	2.8	2.0	2.5	18	--	--	--	--	--	--	--
MW-02	2/15/2000	183.34	--	--	44.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-02	3/17/2000	183.34	91.88	--	91.46	44.49	ND<5,000	ND<500	--	20	8.0	3.0	11	ND<50	--	--	--	--	--	--	--
MW-02	4/24/2000	183.34	88.60	--	94.74	44.42	457	ND<500	--	15	1.0	ND<0.6	3.0	57	--	--	--	--	--	--	--
MW-02	7/14/2000	183.34	88.71	--	94.63	44.47	ND<500	ND<500	--	2	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--
MW-02	10/11/2000	183.34	93.98	--	89.36	44.45	590	ND<500	--	13	4.0	ND<0.3	30	ND<5	--	--	--	--	--	--	--
MW-02	1/9/2001	183.34	94.63	--	88.71	44.42	188	ND<500	--	20	2.0	ND<0.3	3.0	ND<5	--	--	--	--	--	--	--
MW-02	5/1/2001	183.34	89.59	--	93.75	121.50	80 J	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-02	7/9/2001	183.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well destroyed 2001
MW-03	12/5/1989	183.79	--	--	--	--	680	560	--	22	ND	ND	ND	--	--	--	--	--	--	--	--
MW-03	12/8/1989	183.79	104.41	--	79.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	4/29/1991	183.79	96.34	--	87.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	9/19/1991	183.79	98.74	--	85.05	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-03	12/2/1992	183.79	90.03	--	93.76	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-03	7/22/1993	183.79	82.68	--	101.11	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-03	12/16/1993	183.79	80.89	--	102.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	2/16/1994	183.75	80.34	--	103.41	--	ND	--	--	0.7	0.7	ND	1.0	--	--	--	--	--	--	--	Resurveyed
MW-03	5/4/1994	183.75	78.08	--	105.67	--	ND	--	--	0.6	0.7	ND	ND	--	--	--	--	--	--	--	--
MW-03	8/1/1994	183.75	79.56	--	104.19	--	490	--	--	12	ND	ND	ND	--	--	--	--	--	--	--	--
MW-03	11/21/1994	183.75	86.65	--	97.10	--	290	--	--	100	0.9	ND	ND	--	--	--	--	--	--	--	--
MW-03	8/29/1995	183.75	84.41	--	99.34	--	ND	--	--	30	1.0	ND	0.7	--	--	--	--	--	--	--	--
MW-03	11/27/1995	183.75	87.38	--	96.37	--	620	--	--	21	0.96	ND	2.6	--	--	--	--	--	--	--	--
MW-03	5/20/1996	183.75	80.46	--	103.29	--	1,300	--	--	140	320	43	180	--	--	--	--	--	--	--	--
MW-03	8/26/1996	183.75	83.10	--	100.65	--	ND	ND	--	1.5	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-03	11/11/1996	183.75	83.14	--	100.61	--	71	ND	--	3.0	ND	ND	ND	12	--	--	--	--	--	--	--
MW-03	1/22/1997	183.75	81.81	--	101.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-03	4/24/1997	183.75	77.90	--	105.85	--	ND	--	--	1.7	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-03	8/14/1997	183.75	81.85	--	101.90	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-03	1/2/1998	183.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-03	3/5/1998	183.75	82.55	--	101.20	--	1,000	ND	--	70	1.0	2.8	5.0	200	--	--	--	--	--	--	--



Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-03	6/10/1998	183.75	80.34	--	103.41	--	140	ND	--	79	2.1	ND	20	ND	--	--	--	--	--	--	--	--
MW-03	9/11/1998	183.75	83.95	--	99.80	--	1,000	--	--	120	1.9	ND	5.8	97	--	--	--	--	--	--	--	--
MW-03	12/16/1998	183.75	86.97	--	96.78	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-03	3/12/1999	183.75	87.95	--	95.80	--	ND<500	ND<500	--	1.5	ND<0.3	ND<0.3	ND<0.6	32	--	--	--	--	--	--	--	--
MW-03	6/29/1999	183.75	88.97	--	94.78	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-03	9/14/1999	183.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-03	9/30/1999	183.75	95.31	--	88.44	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-03	12/8/1999	183.75	96.40	--	87.35	--	ND<500	ND<500	--	8.0	1.0	0.5	1.0	26	ND<5.0	--	--	--	--	--	--	--
MW-03	2/15/2000	183.75	--	--	35.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-03	3/17/2000	183.75	94.82	--	88.93	ND<10,000	ND<500	--	22	10	ND<6.0	13	ND<100	--	--	--	--	--	--	--	--	--
MW-03	4/24/2000	183.75	91.93	--	91.82	34.95	160	ND<500	--	8.0	5	1.0	5	ND<10	--	--	--	--	--	--	--	--
MW-03	7/14/2000	183.75	91.64	--	92.11	35.04	80	ND<500	--	236	5	7.0	17	80	--	--	--	--	--	--	--	--
MW-03	10/11/2000	183.75	95.65	--	88.10	34.95	226 J	ND<500	--	15	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-03	1/9/2001	183.75	94.36	--	89.39	35.01	153	ND<500	--	11	2.0	ND<0.3	1.0	12	--	--	--	--	--	--	--	--
MW-03	5/1/2001	183.75	93.08	--	90.67	120.33	1,220	ND<500	--	58	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	90	--	
MW-03	7/9/2001	183.75	95.99	--	87.76	120.55	352	ND<1,000	--	17	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-03	10/24/2001	183.75	100.35	--	83.40	121.10	682	ND<1,000	--	15	80	24	172	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-03	1/9/2002	183.75	97.95	--	85.80	117.50	422	ND<1,000	--	8.6	12	8.1	45	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-03	4/4/2002	182.42	96.35	--	86.07	117.50	203	ND<1,000	--	1.4	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-03	7/25/2002	182.42	--	--	117.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-03	1/28/2003	181.88	--	--	117.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-03	2/18/2003	181.88	--	--	117.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-03	7/29/2003	181.88	94.58	--	87.30	117.52	510	110 J	--	5.0	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	63	--	
MW-03	2/5/2004	181.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate well
MW-03	7/20/2004	181.88	104.70	0	77.18	117.71	140	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-03	1/25/2005	181.88	108.10	0	73.78	117.55	110	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	96	--	
MW-03	7/13/2005	181.88	95.31	0	86.57	117.36	120	ND<82	--	1.3 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-03	3/2/2006	181.88	99.43	0	82.45	117.48	130	ND<50	--	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<0.5	5 J	--	
MW-03	7/20/2006	181.88	93.21	0	88.67	117.45	82	91 J	--	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<0.5	ND<5	--	
MW-03	1/31/2007	181.88	91.85	0	90.03	117.55	51	56 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.5 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	
MW-03	8/1/2007	181.88	92.84	0	89.04	117.48	27 J	ND<58	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2 J	--	
MW-03	2/7/2008	181.88	102.61	0	79.27	117.63	60	59 J*	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3 J	--	
MW-03	7/23/2008	181.88	103.47	0	78.41	117.64	62	74 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<0.5	9	--	
MW-03	3/19/2009	181.88	110.13	0	71.75	117.60	120	ND<50	--	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<0.5	ND<2	--	
MW-03	7/30/2009	181.88	110.87	0	71.01	117.68	110	79 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<0.5	39	--	
MW-03	2/4/2010	181.88	114.26	0	67.62	117.95	43 J	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<0.5	16	--	
MW-03	8/10/2010	181.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-03	2/2/2011	181.88	113.75	0	68.13	117.77	52	150	--	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<0.5	8	--	
MW-03	8/11/2011	181.88	103.85	0	78.03	117.76	27 J	ND<55	--	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<0.5	ND<2	--	
MW-03	3/1/2012	182.11	99.35	0	82.76	117.79	21 J	ND<50	--	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<0.5	ND<2	--	
MW-03	7/2/2012	182.11	100.00	0	82.11	117.86	97	ND<50	--	ND<0.5	0.6 J	ND<0.5	28	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	
MW-03	1/3/2013	182.11	106.27	0	75.84	117.86	22 J	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	
MW-03	7/1/2013	182.11	110.30	0	71.81	118.29	44 J	91 J	--	0.7 J	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	
MW-03	2/13/2014	182.11	115.44	0	66.67	118.05	23 J	1,900	ND<160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	
MW-03	7/1/2014	182.11	DRY	0	--	118.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-03	2/13/2015	182.11	DRY	0	--	118.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-04	12/1/1989	182.05	--	--	--	--	37	820	--	1.0	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	12/8/1989	182.05	103.55	--	78.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	4/29/1991	182.05	93.83	--	88.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	9/18/1991	182.05	97.59	--	84.46	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	12/2/1992	182.05	88.02	--	94.03	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	7/22/1993	182.05	80.62	--	101.43	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	12/16/1993	182.05	79.80	--	102.25	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	2/16/1994	184.54	78.26	--	106.28	--	ND	--	--	0.3	0.6	ND	0.8	--	--	--	--	--	--	--	--	Resurveyed
MW-04	5/4/1994	184.54	79.27	--	105.27	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	8/1/1994	184.54	81.05	--	103.49	--	ND	--	--	0.4	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	11/21/1994	184.54	88.22	--	96.32	--	12	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPH (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-04	8/29/1995	184.54	86.76	--	97.78	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	11/27/1995	184.54	88.61	--	95.93	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-04	5/20/1996	184.54	81.32	--	103.22	--	390	--	--	35	85	19	75	--	--	--	--	--	--	--	--	--
MW-04	1/22/1997	184.54	82.14	--	102.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-04	8/14/1997	184.54	83.58	--	100.96	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-04	1/2/1998	184.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-04	3/5/1998	183.43	81.95	--	101.48	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-04	6/9/1998	183.43	80.74	--	102.69	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
MW-04	9/11/1998	183.43	85.07	--	98.36	--	ND	ND	--	0.35	1.7	0.64	3.5	ND	ND	--	--	--	--	--	--	--
MW-04	12/16/1998	183.43	87.75	--	95.68	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-04	3/12/1999	183.43	88.31	--	95.12	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	ND<10	--	--	--	--	--	--	--
MW-04	6/29/1999	183.43	89.87	--	93.56	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	ND<10	--	--	--	--	--	--	--
MW-04	9/14/1999	183.43	94.75	--	88.68	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	ND<10	--	--	--	--	--	--	--
MW-04	12/8/1999	183.43	97.67	--	85.76	35.35	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	ND<5	--	--	--	--	--	--	--
MW-04	2/15/2000	184.54	--	--	--	35.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-04	3/17/2000	183.43	94.10	--	89.33	35.30	ND<500	ND<500	--	3.0	ND<0.3	ND<0.3	ND<0.6	ND<5	ND<5	--	--	--	--	--	--	--
MW-04	4/24/2000	183.43	91.04	--	92.39	35.37	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	ND<5	--	--	--	--	--	--	--
MW-04	7/14/2000	183.43	91.91	--	91.52	35.18	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	ND<5	--	--	--	--	--	--	--
MW-04	10/11/2000	183.43	96.80	--	86.63	35.25	134 J	ND<500	--	4.0	ND<0.3	ND<0.3	ND<0.6	ND<5	ND<5	--	--	--	--	--	--	--
MW-04	1/9/2001	183.43	97.28	--	86.15	35.24	96 J	ND<500	--	3.0	3.0	ND<0.3	1.0	ND<5	ND<5	--	--	--	--	--	--	--
MW-04	5/1/2001	183.43	92.55	--	90.88	126.55	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-04	7/9/2001	183.43	95.92	--	87.51	126.75	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-04	10/23/2001	183.43	102.19	0	81.24	126.80	ND<100	ND<1,000	--	2.5	1.4	ND<5	27	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-04	1/9/2002	183.43	101.71	--	81.72	126.80	ND<100	ND<1,000	--	2.5	2.9J	ND<5	8.2	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-04	4/3/2002	185.81	99.79	--	86.02	126.80	ND<100	ND<1,000	--	7.2	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-04	7/25/2002	185.81	96.71	--	89.10	123.20	110	ND<500	--	1.8 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-04	1/28/2003	185.81	99.88	--	--	123.20	ND<50	180 J	--	1.6 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-04	7/28/2003	185.81	91.36	--	94.45	119.56	180	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-04	2/5/2004	185.81	102.76	--	83.05	119.70	ND<50	98 J	--	2.3 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-04	7/20/2004	185.81	102.07	0	83.74	119.53	630	120 J	--	45	ND<1	ND<1	1.0 J	--	ND<2	ND<2	ND<2	ND<2	ND<2	12 J	ND<10	--
MW-04	1/25/2005	185.81	104.05	0	81.76	119.55	930	ND<82	--	1.2 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	21 J	ND<10	--
MW-04	7/13/2005	185.81	89.98	0	95.83	120.00	ND<50	110 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-04	3/2/2006	185.81	96.90	0	88.91	119.40	25 J	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<0.5	ND<0.5	ND<5	--
MW-04	7/20/2006	185.81	88.78	0	97.03	119.60	ND<20	140	--	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<0.5	ND<0.5	ND<5	--
MW-04	1/31/2007	185.81	87.89	0	97.92	119.44	ND<20	ND<50	--	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<0.5	ND<0.5	ND<2	--
MW-04	7/31/2007	185.81	89.20	0	96.61	119.20	ND<20	ND<59	--	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<0.5	ND<0.5	ND<2	--
MW-04	2/7/2008	185.81	100.55	0	85.26	119.29	ND<20	ND<50	--	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<0.5	ND<0.5	ND<2	--
MW-04	7/23/2008	185.81	101.90	0	83.91	119.68	ND<20	160	--	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<0.5	ND<0.5	ND<2	--
MW-04	3/19/2009	185.81	107.28	0	78.53	119.65	82	100	--	1 J	ND<0.5	ND<0.5	ND<0.5	--	7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-04	7/30/2009	185.81	108.91	0	76.90	119.65	100	120	--	3	ND<0.5	ND<0.5	ND<0.5	--	9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2 J	ND<2	--
MW-04	2/4/2010	185.81	113.77	0	72.04	119.72	35 J	100 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-04	8/10/2010	185.81	107.59	0	78.22	119.76	ND<20	130	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-04	2/2/2011	185.81	110.07	0	75.74	119.73	ND<20	52 J	--	ND<0.5	ND<0.5	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-04	8/11/2011	178.47	98.15	0	80.32	120.00	ND<20	ND<47	--	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<0.5	ND<0.5	ND<2	--
MW-04	3/1/2012	178.47	95.88	0	82.59	119.63	ND<20	ND<50	--	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<0.5	ND<0.5	ND<2	--
MW-04	7/2/2012	178.47	96.54	0	81.93	119.66	34 J	ND<50	--	ND<0.5	ND<0.5	ND<0.5	11	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-04	1/3/2013	178.47	105.22	0	73.25	119.58	ND<20	ND<50	--	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<0.5	ND<0.5	ND<2	--
MW-04	7/1/2013	178.47	109.58	0	68.89	119.60	ND<20	ND<50	--	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<0.5	ND<0.5	ND<2	--
MW-04	2/12/2014	178.47	DRY	0	--	119.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-04	7/1/2014	178.47	DRY	0	--	119.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-04	2/13/2015	178.47	DRY	0	--	119.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	12/1/1989	187.64	--	--	--	--	17	1,300	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-05	12/8/1989	187.64	108.95	--	78.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	4/29/1991	187.64	98.14	--	89.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	9/19/1991	187.64	92.46	--	95.18	--	ND	ND	--	6.0	1.0	ND	1.0	--	--	--	--	--	--	--	--	--
MW-05	12/2/1992	187.64	92.42	--	95.22	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-05	7/22/1993	187.64	85.21	--	102.43	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPH (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-05	12/16/1993	187.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	2/16/1994	187.63	82.65	--	104.98	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	Resurveyed
MW-05	5/4/1994	187.63	80.45	--	107.18	--	ND	--	--	ND	1.0	ND	ND	--	--	--	--	--	--	--	--	--
MW-05	8/1/1994	187.63	83.42	--	104.21	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-05	11/21/1994	187.63	90.45	--	97.18	28.05	12	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-05	8/29/1995	187.63	89.41	--	98.22	28.00	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-05	11/27/1995	187.63	90.97	--	96.66	28.05	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-05	5/20/1996	187.63	83.48	--	104.15	28.00	1,100	--	--	120	280	37	160	--	--	--	--	--	--	--	--	--
MW-05	8/26/1996	187.63	87.21	--	100.42	28.14	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-05	11/11/1996	187.63	86.70	--	100.93	28.03	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-05	1/22/1997	187.63	84.16	--	103.47	28.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-05	4/24/1997	187.63	80.40	--	107.23	28.02	ND	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-05	6/9/1998	187.63	82.88	--	104.75	28.05	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-05	12/16/1998	187.63	90.03	--	97.60	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-05	3/12/1999	187.63	90.46	--	97.17	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-05	6/29/1999	187.63	92.00	--	95.63	--	ND<500	ND<1000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-05	9/14/1999	187.63	97.25	--	90.38	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-05	12/8/1999	187.63	98.25	--	89.38	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-05	2/15/2000	187.63	98.60	--	89.03	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-05	4/24/2000	187.63	93.08	--	94.55	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-05	7/14/2000	187.63	93.98	--	93.65	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-05	10/11/2000	187.63	99.24	--	88.39	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-05	1/9/2001	187.63	99.34	--	88.29	--	ND<100	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-05	5/1/2001	187.63	94.66	--	92.97	118.61	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-05	7/9/2001	187.63	98.09	--	89.54	118.76	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-05	10/23/2001	187.63	105.25	--	82.38	118.80	ND<100	ND<1,000	--	3.2	20	5.2	40	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-05	1/9/2002	187.63	103.47	--	84.16	118.80	195	ND<1,000	--	13	15	5.9	34	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-05	4/3/2002	187.63	101.51	--	86.12	118.80	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-05	7/25/2002	187.63	102.30	--	85.33	118.55	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-05	1/28/2003	188.00	104.53	--	83.47	118.75	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-05	7/28/2003	188.00	100.83	--	87.17	118.86	190	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-05	2/5/2004	188.00	113.26	--	74.74	118.89	ND<50	220 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-05	7/20/2004	188.00	111.70	0	76.30	118.95	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-05	1/25/2005	188.00	111.29	0	76.71	118.65	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-05	7/13/2005	188.00	97.93	0	90.07	118.74	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-05	3/2/2006	188.00	106.40	0	81.60	118.84	ND<20	51 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<0.5	ND<5	--	--
MW-05	7/20/2006	188.00	97.24	0	90.76	118.92	ND<20	190	--	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<0.5	ND<5	--	--
MW-05	1/31/2007	188.00	96.88	0	91.12	118.90	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-05	7/31/2007	188.00	99.66	0	88.34	118.83	ND<20	ND<58	--	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<0.5	ND<2	--	--
MW-05	2/7/2008	188.00	109.92	0	78.08	118.86	ND<20	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<0.5	ND<2	--	--
MW-05	7/23/2008	188.00	112.29	0	75.71	118.79	ND<20	100 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<0.5	ND<2	--	--
MW-05	3/19/2009	188.00	115.54	0	72.46	118.69	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-05	7/30/2009	188.00	DRY	0	--	118.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	2/4/2010	188.00	DRY	0	--	118.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	8/10/2010	188.00	DRY	0	--	118.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	2/2/2011	188.00	DRY	0	--	118.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	8/11/2011	188.26	109.80	0	78.46	118.75	ND<20	ND<47	--	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<0.5	ND<2	--	--
MW-05	3/1/2012	188.26	104.85	0	83.41	118.95	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-05	7/2/2012	188.26	105.84	0	82.42	118.96	ND<20	ND<50	--	ND<0.5	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-05	1/3/2013	188.26	115.70	0	72.56	118.72	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-05	7/1/2013	188.26	DRY	0	--	118.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	2/12/2014	188.26	DRY	0	--	118.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	7/1/2014	188.26	DRY	0	--	118.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-05	2/13/2015	188.26	DRY	0	--	118.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-06	12/1/1989	186.06	--	--	--	--	680	560	--	22	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	12/8/1989	186.06	105.40	--	80.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	4/29/1991	186.06	94.50	--	91.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-06	9/21/1991	186.06	98.67	--	87.39	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	12/2/1992	186.06	82.63	--	103.43	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	7/22/1993	186.06	81.44	--	104.62	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	12/16/1993	186.06	80.80	--	105.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-06	2/16/1994	186.06	80.11	--	105.95	--	ND	--	--	1.0	1.0	ND	1.0	--	--	--	--	--	--	--	--	--
MW-06	5/4/1994	186.06	77.83	--	108.23	--	ND	--	--	1.0	1.0	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	8/1/1994	186.06	80.60	--	105.46	--	490	--	--	12	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	11/21/1994	186.06	88.19	--	97.87	--	290	--	--	100	1.0	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	8/29/1995	186.06	86.86	--	99.20	--	ND	--	--	30	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	11/27/1995	186.06	88.61	--	97.45	--	93	--	--	2.0	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	5/20/1996	186.06	80.78	--	105.28	--	360	--	--	20	68	13	58	--	--	--	--	--	--	--	--	--
MW-06	8/26/1996	186.06	84.43	--	101.63	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	11/11/1996	186.06	84.29	--	101.77	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	1/22/1997	186.06	81.98	--	104.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-06	4/24/1997	186.06	77.84	--	108.22	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	6/9/1998	188.71	84.23	--	104.48	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-06	12/16/1998	188.71	91.63	--	97.08	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-06	3/12/1999	188.71	92.08	--	96.63	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-06	6/29/1999	188.71	93.83	--	94.88	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-06	9/14/1999	188.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-06	9/30/1999	188.71	100.00	--	88.71	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-06	12/8/1999	188.71	98.01	--	90.70	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-06	2/15/2000	188.71	100.58	--	88.13	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-06	4/24/2000	188.71	94.29	--	94.42	--	169	ND<500	--	26	ND<0.6	ND<0.6	3.0	9.0	--	--	--	--	--	--	--	--
MW-06	7/14/2000	188.71	95.51	--	93.20	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-06	10/11/2000	188.71	100.98	--	87.73	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-06	1/9/2001	188.71	101.27	--	87.44	--	ND<100	ND<500	--	3.0	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-06	5/1/2001	188.71	96.08	--	92.63	131.85	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-06	7/9/2001	188.71	99.87	--	88.84	131.95	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-06	10/23/2001	188.71	107.00	--	81.71	132.03	ND<100	ND<1,000	--	1.0	5.9	ND<5	11	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-06	1/9/2002	188.71	105.34	--	83.37	132.03	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	4.3J	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-06	4/3/2002	191.09	103.30	--	87.79	132.03	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-06	7/25/2002	191.09	99.06	--	92.03	125.99	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-06	1/28/2003	191.09	100.40	--	--	125.72	ND<50	91 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-06	7/28/2003	191.09	95.97	--	95.12	125.05	100	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-06	2/5/2004	191.09	108.29	--	82.80	126.37	940	430 J	--	270	3.1 J	ND<1	17	--	5.6	ND<2	ND<2	ND<2	ND<2	31	--	--
MW-06	7/20/2004	191.09	106.80	0	84.29	125.40	ND<50	ND<82	--	2.4 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-06	1/25/2005	191.09	106.25	0	84.84	125.24	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-06	7/13/2005	191.09	92.60	0	98.49	125.26	ND<50	130 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-06	3/2/2006	191.09	101.51	0	89.58	125.18	ND<20	ND<50	--	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<0.5	ND<5	--	--
MW-06	7/20/2006	191.09	91.94	0	99.15	125.02	ND<20	110	--	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<0.5	ND<5	--	--
MW-06	1/31/2007	191.09	91.70	0	99.39	125.50	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-06	7/31/2007	191.09	92.80	0	98.29	125.30	ND<20	62 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<0.5	ND<2	--	--
MW-06	2/7/2008	191.09	105.10	0	85.99	125.21	ND<20	62 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<0.5	ND<2	--	--
MW-06	7/23/2008	191.09	107.37	0	83.72	125.48	ND<20	170	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.6 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-06	3/19/2009	191.09	110.63	0	80.46	125.37	ND<20	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-06	7/30/2009	191.09	114.62	0	76.47	125.29	ND<20	55 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-06	2/4/2010	191.09	119.52	0	71.57	125.43	100	180	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-06	8/10/2010	191.09	110.40	0	80.69	125.41	ND<20	470	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.5 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-06	2/2/2011	191.09	109.99	0	81.10	125.39	ND<20	290	--	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<0.5	ND<2	--	--
MW-06	8/11/2011	184.28	99.79	0	84.49	125.29	34 J	ND<48	--	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<0.5	ND<2	--	--
MW-06	3/1/2012	184.28	99.72	0	84.56	125.36	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-06	7/2/2012	184.28	100.72	0	83.56	125.33	ND<20	ND<50	--	ND<0.5	0.5 J	ND<0.5	1	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-06	1/3/2013	184.28	111.12	0	73.16	124.88	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-06	7/1/2013	184.28	116.08	0	68.20	125.40	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-06	2/12/2014	184.28	DRY	0	--	125.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-06	7/1/2014	184.28	DRY	0	--	125.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-06	2/13/2015	184.28	DRY	0	--	125.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments		
MW-07	12/5/1989	185.65	--	--	--	--	4,300	1,100	--	200	240	75	280	--	--	--	--	--	--	--	--	--	
MW-07	12/8/1989	185.65	103.35	--	82.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	4/29/1991	185.65	92.73	--	92.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	9/21/1991	185.65	94.62	--	91.03	--	1,100	ND	--	98	190	28	180	--	--	--	--	--	--	--	--	--	
MW-07	11/15/1991	185.65	--	--	--	--	130	--	--	4.0	17	1.1	32	--	--	--	--	--	--	--	--	--	
MW-07	7/22/1993	185.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	12/16/1993	185.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	2/17/1994	185.65	75.85	--	109.80	--	8,400	ND	--	670	1,600	69	1,000	--	--	--	--	--	--	--	--	--	
MW-07	5/4/1994	185.65	74.14	--	111.51	--	3,600	ND	--	110	160	41	380	--	--	--	--	--	--	--	--	--	
MW-07	8/1/1994	185.65	75.66	--	109.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	11/21/1994	185.65	84.04	--	101.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	8/29/1995	185.65	81.49	--	104.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	11/27/1995	185.65	85.04	--	100.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	5/20/1996	185.65	76.46	--	109.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	8/26/1996	185.65	80.50	0.25	105.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	11/11/1996	185.65	79.98	--	105.67	--	--	--	--	--	--	--	--	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	
MW-07	1/22/1997	185.65	78.03	--	107.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	4/24/1997	185.65	74.60	--	111.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	6/9/1998	185.65	76.43	0.01	109.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	12/16/1998	185.65	85.16	1.31	100.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	3/12/1999	185.65	86.07	1.23	99.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	6/29/1999	185.65	87.12	1.26	98.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	9/14/1999	185.65	91.62	1.41	94.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	12/8/1999	185.65	95.87	1.23	89.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	2/15/2000	185.65	94.69	0.05	90.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	4/24/2000	185.65	91.58	0.22	94.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-07	7/14/2000	185.65	88.38	--	97.27	--	51,000	2,200	--	736	2,120	410	6,010	ND<500	--	--	--	--	--	--	--	--	
MW-07	10/11/2000	185.65	93.02	--	92.63	--	26,500	ND<500	--	55	217	405	2,440	115	ND<1	--	--	--	--	--	--	--	
MW-07	1/9/2001	185.65	94.84	--	90.81	--	669	ND<500	--	13	3.0	3.0	11	11	--	--	--	--	--	--	--	--	
MW-07	5/1/2001	185.65	90.40	--	95.25	126.45	819	ND<500	--	ND<5	ND<5	ND<5	21	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--	
MW-07	7/9/2001	185.65	92.90	--	92.75	124.84	2,320	ND<1,000	--	103	72	ND<5	66	--	ND<1	ND<1	ND<1	ND<1	ND<1	12	--	Hydrocarbon odor	
MW-07	10/24/2001	185.65	98.13	--	87.52	124.95	6,180	3,700	--	91	344	185	1,060	--	ND<10	ND<10	ND<10	ND<10	ND<100	--	--	Hydrocarbon odor	
MW-07	1/9/2002	185.65	99.25	--	86.40	124.95	5,950	ND<1,000	--	464	74	147	382	--	ND<1	ND<1	ND<1	ND<1	ND<10	--	--	Hydrocarbon odor	
MW-07	4/3/2002	185.65	96.76	--	88.89	124.95	7,790	ND<1,000	--	500	184	114	308	--	ND<1	ND<1	ND<1	ND<1	17	--	--	--	
MW-07	7/25/2002	185.65	--	--	--	124.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-07	1/28/2003	183.26	99.28	--	83.98	125.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-07	2/18/2003	183.26	98.62	--	84.64	124.99	84 J	--	--	3.2 J	ND<1	ND<1	3.3 J	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	--	--	
MW-07	7/29/2003	183.26	95.79	--	87.47	125.00	490	380 J	--	130	54	2.1 J	78	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	--	--	
MW-07	2/5/2004	183.26	103.89	--	79.37	123.01	650	130 J	--	65	6.3	6.3	32	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	--	--	
MW-07	7/20/2004	183.26	106.02	0	77.24	124.85	680	170 J	--	140	22	ND<1	16	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	--	--	
MW-07	1/25/2005	183.26	104.10	0	79.16	124.90	3,300	750	--	360	330	92	340	--	ND<8	ND<8	ND<8	ND<8	ND<40	--	--	--	
MW-07	7/13/2005	183.26	93.86	0	89.40	124.77	1,900	550	--	99	95	61	310	--	ND<5	ND<5	ND<5	ND<5	ND<25	--	--	--	
MW-07	3/2/2006	183.26	100.18	0	83.08	125.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled; fumes in Tank Farm
MW-07	7/20/2006	183.26	92.03	0	91.23	124.97	210	73 J	--	7	2 J	0.6 J	5.0	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--	--	--	
MW-07	1/31/2007	183.26	90.58	0	92.68	124.88	1,500	ND<50	--	71	58	12	49	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3 J	--	--	--	
MW-07	7/31/2007	183.26	93.38	0	89.88	124.88	77	ND<59	--	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-07	2/7/2008	183.26	102.77	0	80.49	124.85	4,500	65 J*	--	550	280	82	340	--	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	7/23/2008	183.26	105.87	0	77.39	124.84	850	60 J	--	14	3	0.8 J	5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	3/19/2009	183.26	109.07	0	74.19	124.81	2,900	67 J	--	59	2	52	77	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	7/30/2009	183.26	118.54	0	64.72	124.74	1,000	ND<150	--	91	98	13	88	--	0.5 J	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	2/4/2010	183.26	118.56	0	64.70	125.21	410	ND<50	--	36	6	6	14	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	8/10/2010	183.26	109.47	0	73.79	124.95	310	410	--	39	0.8 J	5	5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	2/2/2011	183.26	107.31	0	75.95	124.89	77	360	--	11	ND<0.5	ND<0.5	0.8 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	8/11/2011	183.26	100.49	0	82.77	124.78	93	52 J	--	4	1	1	3	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	3/1/2012	187.53	99.00	0	88.53	124.68	190	ND<50	--	14	2	0.6 J	3	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	7/2/2012	187.53	99.93	0	87.60	124.97	490	490	--	36	27	1	9	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	--	
MW-07	1/3/2013	187.53	109.91	0	77.62	124.85	950	ND<50	--	100	43	6	37	--	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 Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-07	7/1/2013	187.53	115.85	0	71.68	124.91	27 J	ND<50	--	1	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-07	7/1/2013	187.53	115.85	0	71.68	124.91	46 J	320	--	2	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	--	Duplicate Sample
MW-07	2/12/2014	187.53	DRY	0	--	124.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-07	7/1/2014	187.53	DRY	0	--	124.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-07	2/13/2015	187.53	DRY	0	--	124.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-08	12/5/1989	186.99	--	--	--	--	710	550	--	21	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	12/8/1989	186.99	103.00	--	83.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08	4/29/1991	186.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08	9/21/1991	186.99	95.26	--	91.73	--	750	ND	--	29	ND	1.1	1.0	--	--	--	--	--	--	--	--	--
MW-08	12/2/1992	186.99	86.26	--	100.73	--	360	ND	--	7.7	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	7/22/1993	186.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08	12/16/1993	186.99	78.31	--	108.68	--	860	--	--	6.0	1.0	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	2/16/1994	184.80	74.38	--	110.42	--	750	--	--	4.0	1.0	ND	ND	--	--	--	--	--	--	--	--	Resurveyed
MW-08	5/4/1994	184.80	72.19	--	112.61	--	310	--	--	1.6	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	8/1/1994	184.80	74.40	--	110.40	--	1,500	--	--	20	2.3	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	11/21/1994	184.80	82.63	--	102.17	--	120	--	--	0.66	0.85	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	8/29/1995	184.80	80.43	--	104.37	--	770	--	--	80	1.0	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	11/27/1995	184.80	83.10	--	101.70	--	110	--	--	1.0	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-08	5/20/1996	184.80	74.65	--	110.15	--	290	--	--	12	45	10	44	--	--	--	--	--	--	--	--	--
MW-08	8/26/1996	184.80	78.08	--	106.72	--	ND	ND	--	2.8	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-08	11/11/1996	184.80	78.52	--	106.28	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-08	1/22/1997	184.80	75.73	--	109.07	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-08	8/14/1997	184.80	76.95	--	107.85	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-08	1/2/1998	184.80	81.18	--	103.62	--	ND	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-08	3/5/1998	184.80	76.92	--	107.88	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-08	6/9/1998	184.80	75.20	--	109.60	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-08	9/11/1998	184.80	79.91	--	104.89	--	ND	ND	--	1.4	1.6	0.63	4.1	ND	--	--	--	--	--	--	--	--
MW-08	12/16/1998	184.80	82.30	--	102.50	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-08	3/12/1999	184.80	83.08	--	101.72	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-08	6/29/1999	184.80	84.40	--	100.40	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-08	9/14/1999	184.80	90.25	--	94.55	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-08	12/8/1999	184.80	94.06	--	90.74	--	ND<500	2,500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-08	2/15/2000	184.80	92.75	--	92.05	--	691	ND<500	--	11	2.0	0.8	12	61	ND<5.0	--	--	--	--	--	--	--
MW-08	4/24/2000	184.80	86.51	--	98.29	--	177	ND<500	--	1.0	9.0	3.0	23	2.0	--	--	--	--	--	--	--	--
MW-08	7/14/2000	184.80	86.56	--	98.24	--	ND<500	ND<500	--	7.0	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-08	10/11/2000	184.80	92.59	--	92.21	--	290 J	ND<500	--	20	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-08	1/9/2001	184.80	93.35	--	91.45	--	736	ND<500	--	4.0	3.0	2.0	3.0	55	ND<1	--	--	--	--	--	--	--
MW-08	5/1/2001	184.80	87.97	--	96.83	122.90	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-08	7/9/2001	184.80	91.19	--	93.61	122.52	162	ND<1,000	--	5.7	ND<5	ND<5	ND<5	--	3.8	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-08	10/24/2001	184.80	99.18	--	85.62	123.30	179	ND<1,000	--	4.4	27	8.8	68	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-08	1/9/2002	184.80	97.61	--	87.19	123.30	993	ND<1,000	--	19	6.0	2.7J	20	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-08	4/3/2002	184.80	95.07	--	89.73	123.30	644	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-08	7/25/2002	184.80	95.30	--	89.50	122.95	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-08	1/28/2003	182.44	97.94	--	84.50	123.01	480	86 J	--	41.0	ND<1	ND<1	1.7 J	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-08	7/29/2003	182.44	93.97	--	88.47	123.00	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-08	2/5/2004	182.44	107.24	--	75.20	123.42	260	120 J	--	29	1.2 J	ND<1	2.0 J	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-08	7/20/2004	182.44	104.85	0	77.59	123.46	78 J	ND<82	--	7.3	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-08	1/25/2005	182.44	104.05	0	78.39	123.29	190	94 J	--	4.3 J	8.9	4.1 J	18	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-08	7/13/2005	182.44	89.77	0	92.67	123.40	120	110 J	--	1.1 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-08	3/2/2006	182.44	99.67	0	82.77	123.41	79	67 J	--	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<0.5	ND<5	--	--
MW-08	7/20/2006	182.44	89.58	0	92.86	123.43	32 J	60 J	--	1 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-08	1/31/2007	182.44	89.00	0	93.44	123.14	23 J	ND<50	--	ND<0.5	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-08	7/31/2007	182.44	92.30	0	90.14	124.10	ND<20	ND<59	--	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<0.5	ND<2	--	--
MW-08	2/7/2008	182.44	103.66	0	78.78	123.32	190	65 J*	--	2	ND<0.5	ND<0.5	0.6 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4 J	--	--
MW-08	7/23/2008	182.44	105.65	0	76.79	123.51	180	22 J	--	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<0.5	ND<2	--	--
MW-08	3/19/2009	182.44	108.88	0	73.56	123.50	1,300	110	--	2	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-08	7/30/2009	182.44	113.44	0	69.00	123.23	ND<20	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<0.5	ND<2	--	--



Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments
MW-08	2/4/2010	182.44	117.34	0	65.10	123.33	1,700	100 J	--	2	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-08	8/10/2010	182.44	108.14	0	74.30	123.54	59	230	--	3	1	ND<0.5	2	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-08	2/2/2011	182.44	107.85	0	74.59	123.50	ND<20	150	--	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<0.5	ND<2	--
MW-08	8/11/2011	182.44	97.52	0	84.92	123.88	ND<20	ND<47	--	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<0.5	ND<2	--
MW-08	3/1/2012	186.70	96.88	0	89.82	123.72	220	ND<50	--	9	20	6	25	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--
MW-08	7/2/2012	186.70	98.20	0	88.50	123.38	ND<20	ND<50	--	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<0.5	ND<2	--
MW-08	1/3/2013	186.70	109.35	0	77.35	123.41	ND<20	55 J	--	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<0.5	4 J	--
MW-08	7/1/2013	186.70	114.44	0	72.26	123.37	270	140	--	61	4	7	17	--	0.9 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	--
MW-08	2/12/2014	186.70	DRY	0	--	123.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-08	7/1/2014	186.70	DRY	0	--	123.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-08	2/13/2015	186.70	DRY	0	--	123.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-09	12/5/1989	187.52	--	--	--	--	2,400	70	--	74	2.4	ND	1.1	--	--	--	--	--	--	--	--
MW-09	12/8/1989	187.52	100.87	--	86.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09	4/29/1991	187.52	87.81	--	99.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09	9/23/1991	187.52	91.37	--	96.15	--	ND	ND	--	0.7	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	12/2/1992	187.52	82.84	--	104.68	--	490	ND	--	8.3	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	7/22/1993	187.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09	12/16/1993	187.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09	2/16/1994	187.48	73.41	--	114.07	--	ND	--	--	0.4	0.4	ND	0.7	--	--	--	--	--	--	--	Resurveyed
MW-09	5/5/1994	187.48	71.37	--	116.11	--	260	--	--	3.5	1.6	ND	1.6	--	--	--	--	--	--	--	--
MW-09	8/1/1994	187.48	73.20	--	114.28	--	670	--	--	12	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	11/21/1994	187.48	82.50	--	104.98	--	210	--	--	6.7	0.69	ND	ND	--	--	--	--	--	--	--	--
MW-09	8/29/1995	187.48	79.64	--	107.84	--	ND	--	--	80	2.0	ND	1.0	--	--	--	--	--	--	--	--
MW-09	11/27/1995	187.48	82.74	--	104.74	--	650	--	--	64	61	8.5	33	--	--	--	--	--	--	--	--
MW-09	5/20/1996	187.48	73.52	--	113.96	--	67	--	--	6.7	7.2	0.77	3.6	--	--	--	--	--	--	--	--
MW-09	8/26/1996	187.48	76.74	--	110.74	--	99	ND	--	5.8	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	11/11/1996	187.48	77.99	--	109.49	--	71	ND	--	3.6	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	1/22/1997	187.48	74.80	--	112.68	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	4/24/1997	187.48	71.40	--	116.08	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	8/14/1997	187.48	75.70	--	111.78	--	ND	ND	--	1.6	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	1/2/1998	187.48	80.71	--	106.71	--	ND	--	--	0.4	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	3/5/1998	187.48	76.00	--	111.48	--	ND	ND	--	0.8	1.8	0.61	3.1	ND	--	--	--	--	--	--	--
MW-09	6/10/1998	187.48	74.01	--	113.47	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-09	9/11/1998	187.48	78.92	--	108.56	--	150	ND	--	2.6	22	9.1	52	ND	--	--	--	--	--	--	--
MW-09	12/16/1998	187.48	82.02	--	105.46	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-09	3/12/1999	187.48	82.28	--	105.20	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-09	6/29/1999	187.48	84.00	--	103.48	--	ND<500	ND<1000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-09	9/14/1999	187.48	89.61	--	97.87	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-09	12/8/1999	187.48	94.52	--	92.96	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--
MW-09	2/15/2000	187.48	92.47	--	95.01	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--
MW-09	4/24/2000	187.48	85.40	--	102.08	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--
MW-09	7/14/2000	187.48	86.28	--	101.20	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--
MW-09	10/11/2000	187.48	93.57	--	93.91	--	64 J	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--
MW-09	1/9/2001	187.48	93.34	--	94.14	--	ND<100	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--
MW-09	5/1/2001	187.48	87.45	--	100.03	117.80	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-09	7/9/2001	187.48	92.05	--	95.43	117.85	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-09	10/23/2001	187.48	100.76	--	86.72	117.80	120	--	--	2.3	17	ND<5	28	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	TPHd sample not received
MW-09	1/9/2002	187.48	96.96	--	90.52	117.80	ND<100	ND<1,000	--	1.1	ND<5	ND<5	5.4	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-09	4/3/2002	187.48	94.34	--	93.14	117.80	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-09	7/25/2002	187.48	95.02	--	92.46	118.01	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-09	1/28/2003	185.09	96.34	--	88.75	118.24	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-09	7/28/2003	185.09	94.14	--	90.95	118.07	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-09	2/5/2004	185.09	108.12	--	76.97	118.11	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-09	7/20/2004	185.09	105.23	0	79.86	118.21	52 J	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-09	1/25/2005	185.09	101.53	0	83.56	118.06	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-09	7/13/2005	185.09	87.58	0	97.51	117.97	75 J	140 J	--	2.7 J	3.2 J	3.2 J	19	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-09	3/2/2006	185.09	99.70	0	85.39	118.17	ND<20	ND<50	--	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<0.5	ND<5	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH (Diesel)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments		
MW-09	7/20/2006	185.09	87.56	0	97.53	118.19	ND<20	75 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<0.5	ND<0.5	--	--	
MW-09	1/31/2007	185.09	87.94	0	97.15	118.10	ND<20	ND<50	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	7/31/2007	185.09	92.10	0	92.99	118.10	51	80 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<0.5	ND<0.5	ND<2	--	--
MW-09	2/7/2008	185.09	102.81	0	82.28	117.72	61	63 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<0.5	ND<0.5	ND<2	--	--
MW-09	7/23/2008	185.09	107.05	0	78.04	118.25	56	160	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	3/19/2009	185.09	107.61	0	77.48	118.20	ND<20	73 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<0.5	ND<0.5	ND<2	--	--
MW-09	7/30/2009	185.09	114.53	0	70.56	118.24	23 J	120	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	2/4/2010	185.09	116.59	0	68.50	118.17	220	510	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	8/10/2010	185.09	108.32	0	76.77	117.92	ND<20	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<0.5	ND<0.5	ND<2	--	--
MW-09	2/2/2011	185.09	104.93	0	80.16	118.20	ND<20	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<0.5	ND<0.5	ND<2	--	--
MW-09	8/11/2011	185.09	95.77	0	89.32	118.20	ND<20	150	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	3/1/2012	189.36	96.79	0	92.57	117.99	26 J	ND<50	--	0.6 J	0.9 J	ND<0.5	0.8 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-09	7/2/2012	189.36	98.22	0	91.14	118.20	ND<20	ND<50	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	1/3/2013	189.36	109.82	0	79.54	117.98	23 J	ND<50	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	7/1/2013	189.36	115.82	0	73.54	118.05	28 J	ND<50	--	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<0.5	ND<0.5	ND<2	--	--
MW-09	2/12/2014	189.36	DRY	0	--	117.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-09	7/1/2014	189.36	DRY	0	--	118.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-09	2/13/2015	189.36	DRY	0	--	118.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-10	4/9/1991	175.65	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	4/29/1991	175.65	88.94	--	86.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	9/23/1991	175.65	92.92	--	82.73	--	ND	ND	--	ND	0.6	ND	0.9	--	--	--	--	--	--	--	--	--	--
MW-10	12/2/1992	175.65	83.62	--	92.03	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	7/22/1993	175.65	75.83	--	99.82	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	12/16/1993	175.65	74.84	--	100.81	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	2/17/1994	175.65	73.15	--	102.50	--	ND	ND	--	1.0	4.0	0.6	4.0	--	--	--	--	--	--	--	--	--	--
MW-10	5/5/1994	175.65	70.84	--	104.81	--	ND	ND	--	0.4	0.9	ND	1.1	--	--	--	--	--	--	--	--	--	--
MW-10	8/2/1994	175.65	73.64	--	102.01	--	ND	ND	--	ND	0.5	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	11/22/1994	175.65	80.34	--	95.31	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	8/29/1995	175.65	79.31	--	96.34	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	11/27/1995	175.65	80.85	--	94.80	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	5/20/1996	175.65	73.82	--	101.83	--	260	--	--	11	20	14	56	--	--	--	--	--	--	--	--	--	--
MW-10	8/26/1996	175.65	77.46	--	98.19	--	900	ND	--	1.2	21	15	110	ND	--	--	--	--	--	--	--	--	--
MW-10	11/11/1996	175.65	76.70	--	98.95	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	1/22/1997	175.65	74.59	--	101.06	--	570	ND	--	82	240	15	78	ND	--	--	--	--	--	--	--	--	--
MW-10	4/24/1997	175.65	70.85	--	104.80	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-10	6/9/1998	175.65	74.24	--	101.41	--	ND	ND	--	0.64	2.0	0.63	2.6	ND	--	--	--	--	--	--	--	--	--
MW-10	12/16/1998	175.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-10	3/12/1999	175.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-10	6/29/1999	175.65	83.20	--	92.45	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--	--
MW-10	9/14/1999	175.65	88.16	--	87.49	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--	--
MW-10	9/30/1999	175.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/8/1999	175.95	80.76	--	95.19	--	ND<500	ND<500	--	ND<0.3	6.0	1.5	11	ND<5.0	--	--	--	--	--	--	--	--	--
MW-10	2/15/2000	175.95	89.69	--	86.26	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--	--
MW-10	4/24/2000	175.95	84.03	--	91.92	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--	--
MW-10	7/14/2000	175.95	86.29	--	89.66	--	ND<500	ND<500	--	36	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--	--
MW-10	10/11/2000	175.95	90.18	--	85.77	--	54 J	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--	--
MW-10	1/9/2001	175.95	90.08	--	85.87	--	ND<100	ND<500	--	2.0	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--	--
MW-10	5/1/2001	175.95	85.69	--	90.26	120.22	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-10	7/9/2001	175.95	89.33	--	86.62	120.23	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-10	10/23/2001	175.95	95.30	--	80.65	120.25	170	ND<1,000	--	3.8	32	9.7	74	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-10	1/9/2002	175.95	94.53	--	81.42	120.25	165	ND<1,000	--	5.9	9.7	5.6	30	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-10	4/3/2002	175.95	92.95	--	83.00	120.25	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-10	7/25/2002	175.95	93.55	--	82.40	120.25	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-10	1/28/2003	177.35	96.37	--	80.98	120.10	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-10	7/28/2003	177.35	92.00	--	85.35	120.04	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-10	2/5/2004	177.35	102.87	--	74.48	120.07	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-10	7/20/2004	177.35	102.36	0	74.99	120.05	ND<50	140 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-10	1/25/2005	177.35	104.20	0	73.15	118.80	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-10	7/13/2005	177.35	90.55	0	86.80	118.80	54 J	180 J	--	1.4 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-10	3/2/2006	177.35	97.22	0	80.13	119.98	ND<20	ND<50	--	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<0.5	ND<5	--	--
MW-10	7/20/2006	177.35	89.15	0	88.20	118.79	ND<20	ND<50	--	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<0.5	ND<5	--	--
MW-10	1/31/2007	177.35	89.19	0	88.16	118.63	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-10	7/31/2007	177.35	90.92	0	86.43	118.81	ND<20	ND<58	--	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<0.5	ND<2	--	--
MW-10	2/7/2008	177.35	100.81	0	76.54	120.03	ND<20	100 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<0.5	ND<2	--	--
MW-10	7/23/2008	177.35	102.08	0	75.27	120.03	ND<20	72 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<0.5	ND<2	--	--
MW-10	3/19/2009	177.35	107.04	0	70.31	120.03	ND<20	85 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<0.5	ND<2	--	--
MW-10	7/30/2009	177.35	108.74	0	68.61	120.10	ND<20	120	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-10	2/4/2010	177.35	113.29	0	64.06	120.17	ND<20	1,400	--	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<0.5	ND<2	--	--
MW-10	8/10/2010	177.35	107.71	0	69.64	120.15	ND<20	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<0.5	ND<2	--	--
MW-10	2/2/2011	177.35	109.55	0	67.80	119.93	ND<20	480 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<0.5	ND<2	--	--
MW-10	8/11/2011	177.35	98.65	0	78.70	119.95	ND<20	ND<240	--	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<0.5	ND<2	--	--
MW-10	3/1/2012	177.57	96.49	0	81.08	118.79	ND<20	160 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<0.5	ND<2	--	--
MW-10	7/2/2012	177.57	97.15	0	80.42	118.80	48 J	260	--	ND<0.5	ND<0.5	ND<0.5	11	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-10	1/3/2013	177.57	104.99	0	72.58	119.00	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-10	7/1/2013	177.57	109.51	0	68.06	118.47	ND<20	170	--	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<0.5	ND<2	--	--
MW-10	2/12/2014	177.57	117.04	0	60.53	118.40	ND<20	15,000	ND<3,200	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<0.5	ND<2	--	--
MW-10	7/1/2014	177.57	DRY	0	--	118.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-10	2/13/2015	177.57	DRY	0	--	118.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-11	4/9/1991	186.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	4/29/1991	186.20	93.69	--	92.51	--	350	ND	--	1.4	0.5	ND	ND	--	--	--	--	--	--	--	--	--
MW-11	9/24/1991	186.20	97.75	--	88.45	--	360	ND	--	35	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-11	12/2/1992	186.20	88.45	--	97.75	--	190	--	--	6.8	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-11	7/22/1993	186.20	80.67	--	105.53	--	260	--	--	2.5	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-11	12/16/1993	186.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	2/16/1994	186.73	78.89	--	107.84	--	1,900	--	--	15	12	2.0	45	--	--	--	--	--	--	--	--	Resurveyed
MW-11	5/4/1994	186.73	76.78	--	109.95	--	190	--	--	1.2	0.4	ND	ND	--	--	--	--	--	--	--	--	--
MW-11	8/1/1994	186.73	79.54	--	107.19	--	190	--	--	1.2	0.4	ND	ND	--	--	--	--	--	--	--	--	--
MW-11	11/21/1994	186.73	87.15	--	99.58	--	85	--	--	2.0	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-11	8/29/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-11	11/27/1995	186.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-11	5/20/1996	186.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-11	11/11/1996	186.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-11	1/22/1997	186.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-11	6/9/1998	186.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-11	12/16/1998	186.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-11	3/12/1999	186.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
MW-12	4/9/1991	189.86	--	--	--	--	2,300	ND	--	130	3.1	ND	21	--	--	--	--	--	--	--	--	--
MW-12	4/29/1991	189.86	92.96	--	96.90	--	3,900	ND	--	170	5.8	ND	30	--	--	--	--	--	--	--	--	--
MW-12	9/23/1991	189.86	96.36	--	93.50	--	2,400	ND	--	150	2.9	ND	4.6	--	--	--	--	--	--	--	--	--
MW-12	12/2/1992	189.86	87.64	--	102.22	--	230	ND	--	46	ND	ND	1.1	--	--	--	--	--	--	--	--	--
MW-12	7/22/1993	189.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	12/16/1993	189.86	78.51	--	111.35	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-12	2/16/1994	188.56	76.70	--	111.86	--	ND	ND	--	0.9	0.4	ND	ND	--	--	--	--	--	--	--	--	Resurveyed
MW-12	5/4/1994	188.56	74.59	--	113.97	--	ND	ND	--	0.4	1.8	ND	0.8	--	--	--	--	--	--	--	--	--
MW-12	8/1/1994	188.56	76.70	--	111.86	--	370	--	--	77	0.7	ND	2.1	--	--	--	--	--	--	--	--	--
MW-12	11/21/1994	188.56	85.16	--	103.40	--	28	ND	--	2.3	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-12	8/29/1995	188.56	82.89	--	105.67	--	ND	ND	--	10	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-12	11/27/1995	188.56	85.53	--	103.03	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-12	5/20/1996	188.56	76.93	--	111.63	--	350	--	--	20	53	13	67	--	--	--	--	--	--	--	--	--
MW-12	8/26/1996	188.56	80.20	--	108.36	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-12	11/11/1996	188.56	80.99	--	107.57	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-12	1/22/1997	188.56	78.25	--	110.31	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-12	4/24/1997	188.56	74.55	--	114.01	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-12	6/9/1998	188.56	77.50	--	111.06	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-12	12/16/1998	188.56	85.10	--	103.46	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-12	3/12/1999	188.56	85.38	--	103.18	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-12	6/29/1999	188.56	86.95	--	101.61	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-12	9/14/1999	188.56	92.82	--	95.74	--	ND<500	ND<500	--	0.6	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-12	12/8/1999	188.56	96.96	--	91.60	--	ND<500	ND<500	--	0.7	1.0	ND<0.3	1.0	ND<5.0	--	--	--	--	--	--	--	--
MW-12	2/15/2000	188.56	95.29	--	93.27	--	ND<500	ND<500	--	17	0.8	ND<0.3	1.0	ND<5.0	--	--	--	--	--	--	--	--
MW-12	4/24/2000	188.56	88.85	--	99.71	--	2,400	ND<500	--	270	84	52	242	270	--	--	--	--	--	--	--	--
MW-12	7/14/2000	188.56	89.07	--	99.49	--	893	ND<500	--	34	ND<0.3	ND<0.3	1.0	143	--	--	--	--	--	--	--	--
MW-12	10/11/2000	188.56	95.55	--	93.01	--	122 J	ND<500	--	10	ND<0.3	ND<0.3	1.0	7.0	--	--	--	--	--	--	--	--
MW-12	1/9/2001	188.56	95.88	--	92.68	--	69 J	ND<500	--	6.0	ND<0.3	ND<0.3	2.0	9.0	--	--	--	--	--	--	--	--
MW-12	5/1/2001	188.56	90.39	--	98.17	114.41	756	ND<500	--	65	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	20	--	
MW-12	7/9/2001	188.56	94.07	--	94.49	115.40	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-12	10/24/2001	188.56	102.05	--	86.51	116.31	141	2,700	--	8.0	11	ND<5	31	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-12	1/9/2002	188.56	99.87	--	88.69	116.31	ND<100	ND<1,000	--	1.1	ND<5	ND<5	4.1 J	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-12	4/3/2002	188.56	97.32	--	91.24	116.31	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	
MW-12	7/25/2002	188.56	98.69	--	89.87	115.75	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-12	1/28/2003	186.18	99.99	--	86.19	115.90	370	110 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-12	7/28/2003	186.18	96.20	--	89.98	115.83	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-12	2/5/2004	186.18	109.83	--	76.35	116.19	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-12	7/20/2004	186.18	107.36	0	78.82	115.90	190	ND<82	--	20	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-12	1/25/2005	186.18	105.88	0	80.30	115.95	1,100	140 J	--	26	ND<1	ND<1	1.1 J	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	
MW-12	7/13/2005	186.18	91.54	0	94.64	115.74	81 J	110 J	--	ND<1	1.2 J	1.8 J	12	--	ND<2	ND<2	ND<2	ND<2	ND<2	22 J	--	
MW-12	3/2/2006	186.18	101.98	0	84.20	116.00	37 J	94 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<0.5	ND<5	--	
MW-12	7/20/2006	186.18	91.35	0	94.83	116.10	ND<20	170	--	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<0.5	ND<5	--	
MW-12	1/31/2007	186.18	91.22	0	94.96	115.89	ND<20	ND<50	--	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<0.5	2 J	--	
MW-12	7/31/2007	186.18	92.30	0	93.88	116.00	ND<20	93 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<0.5	ND<2	--	
MW-12	2/7/2008	186.18	105.78	0	80.40	115.99	61	82 J*	--	3	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-12	7/23/2008	186.18	108.28	0	77.90	116.16	110	90 J	--	14	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-12	3/19/2009	186.18	110.88	0	75.30	116.13	210	63 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<0.5	4 J	--	
MW-12	7/30/2009	186.18	DRY	0	--	116.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-12	2/4/2010	186.18	DRY	0	--	115.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-12	8/10/2010	186.18	110.20	0	75.98	116.06	3,300	210	--	24	ND<0.5	ND<0.5	1	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2 J	--	
MW-12	2/2/2011	186.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible	
MW-12	8/11/2011	186.18	99.03	0	87.15	116.18	130	ND<51	--	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<0.5	ND<2	--	
MW-12	3/1/2012	190.45	99.03	0	91.42	115.90	ND<20	ND<50	--	ND<0.5	0.7 J	ND<0.5	0.7 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	
MW-12	7/2/2012	190.45	100.31	0	90.14	116.11	ND<20	ND<50	--	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<0.5	ND<2	--	
MW-12	1/3/2013	190.45	111.54	0	78.91	116.05	43 J	ND<50	--	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<0.5	ND<2	--	
MW-12	7/1/2013	190.45	DRY	0	--	116.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-12	2/12/2014	190.45	DRY	0	--	115.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-12	7/1/2014	190.45	DRY	0	--	116.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-12	2/13/2015	190.45	DRY	0	--	115.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-13	4/9/1991	187.62	--	--	--	--	230	ND	--	2.0	ND	ND	ND	--	--	--	--	--	--	--	--	
MW-13	4/29/1991	187.62	87.09	--	100.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-13	9/23/1991	187.62	90.25	--	97.37	--	1,100	ND	--	17	0.8	ND	1.3	--	--	--	--	--	--	--	--	
MW-13	12/2/1992	187.62	82.00	--	105.62	--	310	ND	--	19	ND	ND	0.7	--	--	--	--	--	--	--	--	
MW-13	7/22/1993	187.62	74.41	--	113.21	--	130	--	--	3.3	ND	ND	ND	--	--	--	--	--	--	--	--	
MW-13	12/15/1993	187.62	74.49	--	113.13	--	ND	--	--	6.0	0.4	ND	ND	--	--	--	--	--	--	--	--	
MW-13	2/17/1994	187.62	72.65	--	114.97	--	590	--	--	58	16	1.0	17	--	--	--	--	--	--	--	--	
MW-13	5/5/1994	187.62	70.13	--	117.49	--	360	--	--	24	1.4	0.3	2.8	--	--	--	--	--	--	--	--	
MW-13	8/2/1994	187.62	72.62	--	115.00	--	370	--	--	77	0.7	ND	2.1	--	--	--	--	--	--	--	--	
MW-13	11/22/1994	187.62	81.81	--	105.81	--	37	--	--	1.1	ND	ND	ND	--	--	--	--	--	--	--	--	
MW-13	8/29/1995	187.62	78.90	--	108.72	--	ND	--	--	26	ND	ND	ND	--	--	--	--	--	--	--	--	
MW-13	11/27/1995	187.62	81.86	--	105.76	--	110	--	--	18	ND	ND	ND	--	--	--	--	--	--	--	--	
MW-13	5/20/1996	187.62	72.66	--	114.96	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	
MW-13	8/26/1996	187.62	75.95	--	111.67	--	69	ND	--	11	ND	ND	ND	ND	--	--	--	--	--	--	--	
MW-13	11/11/1996	187.62	77.22	--	110.40	--	ND	ND	--	1.1	ND	ND	ND	ND	--	--	--	--	--	--	--	

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-13	1/22/1997	187.62	74.12	--	113.50	--	ND	ND	--	1.9	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-13	4/24/1997	187.62	70.60	--	117.02	--	ND	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-13	6/9/1998	187.62	73.23	--	114.39	--	ND	550	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-13	12/16/1998	187.62	81.20	--	106.42	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-13	3/12/1999	187.62	81.45	--	106.17	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-13	6/29/1999	187.62	83.25	--	104.37	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-13	9/14/1999	187.62	89.59	--	98.03	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-13	12/8/1999	187.62	94.13	--	93.49	--	ND<500	ND<500	--	8.9	1.3	ND<0.3	1.2	ND<5.0	--	--	--	--	--	--	--	--
MW-13	2/15/2000	187.62	91.55	--	96.07	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-13	4/24/2000	187.62	84.84	--	102.78	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-13	7/14/2000	187.62	85.27	--	102.35	--	ND<500	ND<500	--	2.0	4.0	5.0	16	ND<5.0	--	--	--	--	--	--	--	--
MW-13	10/11/2000	187.62	92.45	--	95.17	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-13	1/9/2001	187.62	92.52	--	95.10	--	ND<100	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-13	5/1/2001	187.62	86.61	--	101.01	122.90	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-13	7/9/2001	187.62	90.75	--	96.87	122.97	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-13	10/23/2001	187.62	99.59	--	88.03	123.08	210	ND<1,000	--	2.6	15	ND<5	32	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-13	1/9/2002	187.62	96.30	--	91.32	123.08	ND<100	ND<1,000	--	2.4	4.8J	2.6J	17	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-13	4/3/2002	187.62	93.45	--	94.17	123.08	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	--	--
MW-13	7/25/2002	187.62	93.90	--	93.72	122.87	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-13	1/28/2003	185.25	95.59	--	89.66	122.80	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-13	7/28/2003	185.25	92.80	--	92.45	122.83	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-13	2/5/2004	185.25	106.65	--	78.60	123.10	ND<50	190 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-13	7/20/2004	185.25	104.05	0	81.20	122.92	ND<50	170 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-13	1/25/2005	185.25	100.96	0	84.29	122.90	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-13	7/13/2005	185.25	86.73	0	98.52	122.72	ND<50	140 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-13	3/2/2006	185.25	98.56	0	86.69	123.14	ND<20	110	--	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<0.5	ND<5	--	--
MW-13	7/20/2006	185.25	86.92	0	98.33	122.91	ND<20	57 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<0.5	ND<5	--	--
MW-13	1/31/2007	185.25	87.00	0	98.25	122.62	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-13	8/1/2007	185.25	91.44	0	93.81	122.73	ND<20	ND<58	--	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<0.5	ND<2	--	--
MW-13	2/7/2008	185.25	101.91	0	83.34	122.76	ND<20	70 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<0.5	2 J	--	--
MW-13	7/23/2008	185.25	105.68	0	79.57	122.41	ND<20	60 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<0.5	ND<2	--	--
MW-13	3/19/2009	185.25	106.81	0	78.44	122.37	ND<20	130	--	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<0.5	ND<2	--	--
MW-13	7/30/2009	185.25	113.76	0	71.49	122.91	ND<20	77 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<0.5	3 J	--	--
MW-13	2/4/2010	185.25	115.23	0	70.02	122.78	ND<20	120	--	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<0.5	3 J	--	--
MW-13	8/10/2010	185.25	107.13	0	78.12	122.96	ND<20	2,200	--	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<0.5	ND<2	--	--
MW-13	2/2/2011	185.25	104.08	0	81.17	122.95	ND<20	290	--	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<0.5	ND<2	--	--
MW-13	8/11/2011	189.48	94.64	0	94.84	123.14	ND<20	72 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<0.5	ND<2	--	--
MW-13	3/1/2012	189.48	94.00	0	95.48	123.19	ND<20	ND<50	--	ND<0.5	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-13	7/2/2012	189.48	96.77	0	92.71	122.92	ND<20	240	--	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<0.5	ND<2	--	--
MW-13	1/3/2013	189.48	108.55	0	80.93	122.84	ND<20	ND<50	--	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<0.5	ND<2	--	--
MW-13	7/1/2013	189.48	113.97	0	75.51	122.89	ND<20	ND<50	--	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<0.5	2 J	--	--
MW-13	2/12/2014	189.48	DRY	0	--	122.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-13	7/1/2014	189.48	DRY	0	--	122.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-13	2/13/2015	189.48	DRY	0	--	122.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-14	4/9/1991	185.77	--	--	--	--	ND	ND	--	0.4	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	4/29/1991	185.77	89.98	--	95.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	9/25/1991	185.77	90.78	--	94.99	--	110	--	--	13	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	12/2/1992	185.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	7/22/1993	185.77	74.63	--	111.14	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	12/15/1993	185.77	74.70	--	111.07	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	2/17/1994	185.78	74.61	--	111.17	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	Resurveyed
MW-14	5/5/1994	185.78	70.70	--	115.08	--	ND	--	--	0.5	0.9	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	8/2/1994	185.78	72.80	--	112.98	--	ND	--	--	0.8	1.0	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	11/22/1994	185.78	81.59	--	104.19	--	190	--	--	3.6	2.2	ND	2.0	--	--	--	--	--	--	--	--	--
MW-14	8/29/1995	185.78	78.68	--	107.10	--	ND	--	--	5.0	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	11/27/1995	185.78	82.09	--	103.69	--	150	--	--	1.2	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-14	5/20/1996	185.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-14	8/26/1996	185.78	76.16	--	109.62	--	110	ND	--	1.6	0.46	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	11/11/1996	185.78	77.56	--	108.22	--	70	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	1/22/1997	185.78	73.74	--	112.04	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	4/24/1997	185.78	71.34	--	114.44	--	ND	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	6/9/1998	185.78	73.44	--	112.34	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-14	12/16/1998	185.78	81.74	--	104.04	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-14	3/12/1999	185.78	82.10	--	103.68	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-14	6/29/1999	185.78	84.25	--	101.53	--	ND<500	ND<1,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-14	9/14/1999	185.78	90.51	--	95.27	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-14	12/8/1999	185.78	93.96	--	91.82	--	ND<500	ND<500	--	1.0	1.4	ND<0.3	1.0	ND<5.0	--	--	--	--	--	--	--	--
MW-14	2/15/2000	185.78	91.40	--	94.38	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-14	4/24/2000	185.78	86.60	--	99.18	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-14	7/14/2000	185.78	86.03	--	99.75	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-14	10/11/2000	185.78	93.04	--	92.74	--	92 J	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-14	1/9/2001	185.78	92.61	--	93.17	--	ND<100	ND<500	--	2.0	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-14	5/1/2001	185.78	87.06	--	98.72	122.42	ND<100	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-14	7/9/2001	185.78	91.64	--	94.14	122.74	ND<100	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-14	10/23/2001	185.78	99.93	--	85.85	122.80	300	ND<1,000	--	4.6	33	9.6	72	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-14	1/9/2002	185.78	96.21	--	89.57	122.80	232	ND<1,000	--	7.5	7.2	6.9	25	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-14	4/3/2002	185.78	94.38	--	91.40	122.80	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-14	7/25/2002	185.78	94.56	--	91.22	122.52	ND<50	ND<500	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-14	1/28/2003	183.41	95.60	--	87.81	122.80	ND<50	130 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-14	7/28/2003	183.41	93.70	--	89.71	122.54	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-14	2/5/2004	183.41	106.43	--	76.98	122.75	ND<50	190 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-14	7/20/2004	183.41	104.62	0	78.79	122.70	110	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-14	1/25/2005	183.41	100.87	0	82.54	122.51	ND<50	590	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-14	7/13/2005	183.41	88.88	0	94.53	122.51	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-14	3/2/2006	183.41	98.93	0	84.48	122.85	59	ND<50	--	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<0.5	ND<5	--	--
MW-14	7/20/2006	183.41	87.41	0	96.00	122.30	ND<20	ND<50	--	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<0.5	5 J	--	--
MW-14	1/31/2007	183.41	86.95	0	96.46	122.18	ND<20	ND<50	--	ND<0.5	ND<0.5	ND<0.5	0.8 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
MW-14	7/31/2007	183.41	92.41	0	91.00	122.41	40 J	ND<58	--	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<0.5	6	--	--
MW-14	2/7/2008	183.41	101.72	0	81.69	122.40	170	56 J*	--	1	1	0.5 J	3	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	22	--	--
MW-14	7/23/2008	183.41	106.18	0	77.23	122.63	190	79 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<0.5	12	--	--
MW-14	3/19/2009	183.41	107.03	0	76.38	122.59	54	120	--	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<0.5	5 J	--	--
MW-14	7/30/2009	183.41	113.99	0	69.42	122.61	120	160	--	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<0.5	15	--	--
MW-14	2/4/2010	183.41	115.81	0	67.60	122.65	45 J	51 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<0.5	6	--	--
MW-14	8/10/2010	183.41	107.67	0	75.74	122.48	86	130	--	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<0.5	ND<2	--	--
MW-14	2/2/2011	183.41	104.76	0	78.65	122.63	ND<20	100 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<0.5	ND<2	--	--
MW-14	8/11/2011	183.41	96.10	0	87.31	123.10	20 J	ND<48	--	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<0.5	ND<2	--	--
MW-14	3/1/2012	187.64	96.60	0	91.04	122.65	ND<20	ND<50	--	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<0.5	4 J	--	--
MW-14	7/2/2012	187.64	97.98	0	89.66	122.69	180	ND<50	--	0.6 J	1	ND<0.5	48	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5 J	--	--
MW-14	1/3/2013	187.64	109.49	0	78.15	122.57	160	ND<50	--	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<0.5	ND<2	--	--
MW-14	7/1/2013	187.64	114.82	0	72.82	122.45	130	ND<50	--	0.5 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	25	--	--
MW-14	2/12/2014	187.64	DRY	0	--	122.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-14	7/1/2014	187.64	DRY	0	--	122.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-14	2/13/2015	187.64	DRY	0	--	122.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-15	4/9/1991	182.99	--	--	--	--	680	ND	--	2.5	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-15	4/29/1991	182.99	95.65	--	87.34	--	740	ND	--	1.0	0.6	ND	ND	--	--	--	--	--	--	--	--	--
MW-15	9/24/1991	182.99	97.12	--	85.87	--	270	ND	--	1.0	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-15	12/2/1992	182.99	89.75	--	93.24	--	180	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-15	7/22/1993	182.99	81.45	--	101.54	--	150	--	--	2.0	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-15	12/16/1993	182.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	2/17/1994	182.99	79.25	--	103.74	--	410	--	--	15	7.0	1.0	5.0	--	--	--	--	--	--	--	--	--
MW-15	5/5/1994	182.99	76.96	--	106.03	--	330	--	--	16	2.6	0.7	5.4	--	--	--	--	--	--	--	--	--
MW-15	8/2/1994	182.99	77.87	--	105.12	--	390	--	--	11	0.6	ND	ND	--	--	--	--	--	--	--	--	--
MW-15	11/22/1994	182.99	84.60	--	98.39	--	280	--	--	3.5	1.0	ND	1.0	--	--	--	--	--	--	--	--	--
MW-15	8/29/1995	182.99	82.27	--	100.72	--	ND	--	--	17	2.0	ND	1.0	--	--	--	--	--	--	--	--	--



Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-15	11/27/1995	182.99	85.91	--	97.08	--	330	ND	--	10	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-15	5/20/1996	182.99	79.15	--	103.84	--	110	ND	--	22	2.2	0.87	2.6	--	--	--	--	--	--	--	--	--
MW-15	8/26/1996	182.99	81.20	--	101.79	--	75	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	11/11/1996	182.99	81.72	--	101.27	--	270	ND	--	1.8	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	1/22/1997	182.99	81.03	--	101.96	--	ND	ND	--	0.6	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	4/24/1997	182.99	76.72	--	106.27	--	80	--	--	3.2	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	8/14/1997	182.99	79.95	--	103.04	--	70	ND	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	1/2/1998	182.99	84.00	--	98.99	--	57	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	3/5/1998	182.99	81.55	--	101.44	--	72	ND	--	0.69	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	6/9/1998	182.99	78.74	--	104.25	--	110	ND	--	9.9	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-15	9/11/1998	182.99	81.80	--	101.19	--	280	ND	--	2.8	8.8	4.3	24	16	--	--	--	--	--	--	--	--
MW-15	12/16/1998	182.99	85.15	--	97.84	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-15	3/12/1999	182.99	86.16	--	96.83	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	35	--	--	--	--	--	--	--	--
MW-15	6/29/1999	182.99	87.15	--	95.84	--	ND<500	9,000	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-15	9/14/1999	182.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-15	9/30/1999	182.99	94.81	--	88.18	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
MW-15	12/8/1999	182.99	94.31	--	88.68	--	ND<500	ND<500	--	2.4	5.0	1.3	4.0	ND<5.0	--	--	--	--	--	--	--	--
MW-15	2/15/2000	182.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-15	3/17/2000	182.99	93.94	--	89.05	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-15	4/24/2000	182.99	91.39	--	91.60	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-15	7/14/2000	182.99	90.25	--	92.74	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
MW-15	10/11/2000	182.99	93.65	--	89.34	--	191 J	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-15	1/9/2001	182.99	95.30	--	87.69	--	196	ND<500	--	2.0	2.0	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
MW-15	5/1/2001	182.99	92.29	--	90.70	118.25	160	ND<500	--	ND<5	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-15	7/9/2001	182.99	93.40	--	89.59	118.05	280	ND<1,000	--	ND<5	ND<5	ND<5	ND<5	--	1.2	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-15	10/24/2001	182.99	98.38	--	84.61	118.25	273	ND<1,000	--	3.3	14	ND<5	31	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-15	1/9/2002	182.99	96.40	--	86.59	114.80	355	ND<1,000	--	1.8	ND<5	ND<5	6.8	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-15	4/4/2002	181.67	95.14	--	86.53	114.80	152	ND<1,000	--	1.1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
MW-15	7/25/2002	181.67	--	--	114.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	1/28/2003	181.11	--	--	114.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	2/18/2003	181.11	--	--	114.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-15	7/29/2003	181.11	93.16	--	87.95	114.53	59 J	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	2.8 J	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-15	2/5/2004	181.11	103.64	--	77.47	114.74	ND<50	92 J	--	1.2 J	ND<1	ND<1	ND<1	--	7.6	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-15	7/20/2004	181.11	102.92	0	78.19	114.83	100	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-15	1/25/2005	181.11	106.27	0	74.84	114.66	75 J	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-15	7/13/2005	181.11	95.36	0	85.75	114.46	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
MW-15	3/2/2006	181.11	97.83	0	83.28	114.55	67	99 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	7.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9 J	--	--
MW-15	7/20/2006	181.11	92.40	0	88.71	114.64	74	87 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.8 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17 J	--	--
MW-15	1/31/2007	181.11	90.49	0	90.62	97.89	100	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30	--	--
MW-15	8/1/2007	181.11	91.10	0	90.01	114.64	63	ND<58	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	22	--	--
MW-15	2/7/2008	181.11	100.31	0	80.80	114.78	67	61 J*	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	29	--	--
MW-15	7/23/2008	181.11	101.44	0	79.67	114.16	110	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	23	--	--
MW-15	3/19/2009	181.11	107.98	0	73.13	114.13	86	ND<50	--	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<0.5	28	--	--
MW-15	7/30/2009	181.11	108.86	0	72.25	114.21	97	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<0.5	41	--	--
MW-15	2/4/2010	181.11	112.03	0	69.08	114.23	130	310	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17	--	--
MW-15	8/10/2010	181.11	110.68	0	70.43	114.78	93	480	--	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<0.5	6	--	--
MW-15	2/2/2011	181.11	110.14	0	70.97	114.75	20 J	240	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5 J	--	--
MW-15	8/11/2011	181.11	103.74	0	77.37	114.69	ND<20	ND<48	--	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<0.5	3 J	--	--
MW-15	3/1/2012	181.43	97.96	0	83.47	114.77	28 J	100 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4 J	--	--
MW-15	7/2/2012	181.43	98.36	0	83.07	114.88	39 J	2,400	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4 J	--	--
MW-15	1/3/2013	181.43	103.84	0	77.59	114.72	35 J	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2 J	--	--
MW-15	7/1/2013	181.43	107.88	0	73.55	114.78	37 J	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.7 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5	--	--
MW-15	2/12/2014	181.43	DRY	0	--	114.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-15	7/1/2014	181.43	DRY	0	--	114.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-15	2/13/2015	181.43	DRY	0	--	114.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-16	9/24/1991	188.97	95.36	--	93.61	--	2,200	ND	--	45	0.9	ND	7.5	--	--	--	--	--	--	--	--	--
MW-16	12/2/1992	188.97	86.56	--	102.41	--	2,400	ND	--	ND	ND	ND	0.8	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments
MW-16	7/22/1993	188.97	78.89	--	110.08	--	1,500	--	--	4.4	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	12/15/1993	188.97	78.80	--	110.17	--	ND	--	--	0.5	0.4	ND	ND	--	--	--	--	--	--	--	--
MW-16	2/17/1994	188.97	76.84	--	112.13	--	930	ND	--	5.0	10	0.6	8.0	--	--	--	--	--	--	--	--
MW-16	5/5/1994	188.97	74.16	--	114.81	--	200	--	--	1.4	1.2	ND	1.3	--	--	--	--	--	--	--	--
MW-16	8/2/1994	188.97	77.06	--	111.91	--	500	--	--	1.4	0.9	ND	ND	--	--	--	--	--	--	--	--
MW-16	11/22/1994	188.97	85.68	--	103.29	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	8/29/1995	188.97	83.31	--	105.66	--	ND	--	--	9.0	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	11/27/1995	188.97	85.77	--	103.20	--	69	--	--	3.2	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	5/20/1996	188.97	77.20	--	111.77	--	ND	--	--	1.5	0.48	ND	0.84	--	--	--	--	--	--	--	--
MW-16	8/26/1996	188.97	80.54	--	108.43	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	11/11/1996	188.97	81.25	--	107.72	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	1/22/1997	188.97	78.20	--	110.77	--	ND	ND	--	1.5	0.31	ND	ND	--	--	--	--	--	--	--	--
MW-16	4/24/1997	188.97	74.92	--	114.05	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	6/9/1998	188.97	77.81	--	111.16	--	ND	ND	--	0.38	ND	ND	ND	--	--	--	--	--	--	--	--
MW-16	12/16/1998	188.97	85.25	--	103.72	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-16	3/12/1999	188.97	85.61	--	103.36	--	ND<500	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-16	6/29/1999	188.97	87.41	--	101.56	--	ND<500	ND<1,000	--	2.0	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-16	9/14/1999	188.97	93.26	--	95.71	--	ND<500	ND<500	--	2.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--
MW-16	12/8/1999	188.97	97.28	--	91.69	--	ND<500	ND<500	--	2.5	2.3	ND<0.3	1.1	ND<5.0	--	--	--	--	--	--	--
MW-16	2/15/2000	188.97	95.30	--	93.67	--	ND<1,000	ND<500	--	3	1.0	0.7	2.0	20	--	--	--	--	--	--	--
MW-16	4/24/2000	188.97	88.82	--	100.15	--	900	ND<500	--	25	ND<3.0	ND<3.0	ND<6.0	310	ND<50	--	--	--	--	--	--
MW-16	7/14/2000	188.97	89.57	--	99.40	--	1,420	ND<500	--	37	ND<0.6	ND<0.6	3.0	211	ND<10	--	--	--	--	--	--
MW-16	10/11/2000	188.97	95.35	--	93.62	--	658	ND<500	--	58	2.0	ND<0.3	3.0	ND<5	--	--	--	--	--	--	--
MW-16	1/9/2001	188.97	96.12	--	92.85	--	144	ND<500	--	14	ND<0.3	ND<0.3	3.0	ND<5	--	--	--	--	--	--	--
MW-16	5/1/2001	188.97	90.51	--	98.46	117.05	1,160	ND<500	--	55	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-16	7/9/2001	188.97	94.38	--	94.59	117.42	1,800	ND<1,000	--	34	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	21	ND<10	--
MW-16	10/24/2001	188.97	102.58	--	86.39	117.55	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-16	1/9/2002	188.97	100.25	--	88.72	117.55	ND<100	ND<1,000	--	ND<1	ND<5	ND<5	3.5J	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-16	4/4/2002	188.97	97.62	--	91.35	117.55	149	ND<1,000	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--
MW-16	7/25/2002	188.97	99.04	--	89.93	117.26	290	ND<500	--	1.8 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-16	1/28/2003	186.55	100.11	--	86.44	117.43	370	95 J	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-16	7/29/2003	186.55	96.91	--	89.64	117.45	310	ND<82	--	3.0 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-16	2/5/2004	186.55	109.95	--	76.60	115.90	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-16	7/20/2004	186.55	107.60	0	78.95	117.42	580	ND<82	--	6.6	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-16	1/25/2005	186.55	106.26	0	80.29	117.19	1,000	ND<82	--	9.2	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	Odor
MW-16	7/13/2005	186.55	91.83	0	94.72	117.13	ND<50	ND<82	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--
MW-16	3/2/2006	186.55	102.30	0	84.25	116.20	39 J	ND<50	--	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<0.5	ND<5	--
MW-16	7/20/2006	186.55	91.70	0	94.85	117.11	ND<20	120	--	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<0.5	ND<5	--
MW-16	1/31/2007	186.55	91.68	0	94.87	117.01	ND<20	ND<50	--	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<0.5	ND<2	--
MW-16	7/31/2007	186.55	92.20	0	94.35	116.90	ND<20	ND<58	--	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<0.5	ND<2	--
MW-16	2/7/2008	186.55	105.86	0	80.69	116.94	ND<20	52 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<0.5	ND<2	--
MW-16	7/23/2008	186.55	108.79	0	77.76	117.45	ND<20	52 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<0.5	ND<2	--
MW-16	3/19/2009	186.55	111.23	0	75.32	117.39	590	150	--	4	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17	ND<0.5	--
MW-16	7/30/2009	186.55	DRY	0	--	117.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-16	2/4/2010	186.55	DRY	0	--	117.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-16	8/10/2010	186.55	110.84	0	75.71	117.21	730	99 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<0.5	ND<2	--
MW-16	2/2/2011	186.55	109.44	0	77.11	117.26	ND<20	280	--	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<0.5	ND<2	--
MW-16	8/11/2011	186.55	99.34	0	87.21	117.64	ND<20	ND<47	--	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<0.5	ND<2	--
MW-16	3/1/2012	190.75	99.64	0	91.11	117.45	ND<20	ND<50	--	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<0.5	ND<2	--
MW-16	7/2/2012	190.75	100.85	0	89.90	117.34	ND<20	ND<50	--	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<0.5	ND<2	--
MW-16	1/3/2013	190.75	111.87	0	78.88	117.30	ND<20	ND<50	--	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<0.5	ND<2	--
MW-16	7/1/2013	190.75	DRY	0	--	117.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-16	2/12/2014	190.75	DRY	0	--	117.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-16	7/1/2014	190.75	DRY	0	--	117.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-16	2/13/2015	190.75	DRY	0	--	117.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-17	5/4/1994	183.59	74.53	--	109.06	--	97,000	--	--	17,000	2,900	1,900	12,000	--	--	--	--	--	--	--	--
MW-17	8/1/1994	183.59	75.94	--	107.65	--	71,000	--	--	14,000	22,000	1,600	9,800	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-17	11/22/1994	183.59	83.31	--	100.28	--	22,000	5,600	--	6,800	3,400	660	3,200	--	--	--	--	--	--	--	--	--
MW-17	8/29/1995	183.59	81.15	--	102.44	--	45,900	ND	--	28,000	14,600	1,200	4,300	--	--	--	--	--	--	--	--	--
MW-17	11/27/1995	183.59	84.62	--	98.97	--	74,000	7,600	--	15,000	19,000	1,600	8,000	--	--	--	--	--	--	--	--	--
MW-17	5/20/1996	183.59	76.90	--	106.69	--	100,000	41,000	--	17,000	30,000	1,800	9,600	--	--	--	--	--	--	--	--	--
MW-17	8/26/1996	183.59	79.82	--	103.77	--	110,000	30,000	--	23,000	36,000	2,800	9,300	ND	--	--	--	--	--	--	--	--
MW-17	11/11/1996	183.59	80.04	--	103.55	--	150,000	34,000	--	22,000	40,000	2,800	18,000	ND	--	--	--	--	--	--	--	--
MW-17	1/22/1997	183.59	78.50	--	105.09	--	90,000	35,000	--	13,000	36,000	3,100	15,000	260	--	--	--	--	--	--	--	--
MW-17	8/14/1997	183.59	78.35	--	105.24	--	110,000	ND	--	20,000	31,000	2,200	12,000	ND	--	--	--	--	--	--	--	--
MW-17	1/2/1998	183.59	82.72	--	100.87	--	110,000	ND	--	18,000	30,000	2,600	15,000	ND	--	--	--	--	--	--	--	--
MW-17	3/5/1998	183.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-17	6/9/1998	183.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-17	9/11/1998	183.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-18	5/4/1994	187.10	79.90	--	107.20	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-18	8/1/1994	187.10	82.19	--	104.91	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-18	11/21/1994	187.10	89.30	--	97.80	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
MW-18	8/29/1995	187.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-18	11/27/1995	187.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-18	5/20/1996	187.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-18	11/11/1996	187.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-18	1/22/1997	187.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-18	6/9/1998	187.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-19	7/1/2010	185.83	107.56	0	78.27	131.10	54	100	--	0.6 J	2	0.5 J	0.9 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<50	Well Development	
MW-19	8/10/2010	185.83	109.84	0	75.99	130.95	460	250	--	1	ND<0.5	2	38	--	7	ND<0.5	ND<0.5	ND<0.5	14	--	--	
MW-19	2/2/2011	185.83	108.01	0	77.82	130.84	91	84 J	--	0.9 J	ND<0.5	12	15	--	2	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-19	8/11/2011	185.83	102.81	0	83.02	130.78	69	ND<49	--	ND<0.5	ND<0.5	ND<0.5	0.8 J	--	1	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-19	3/1/2012	185.83	99.37	0	86.46	130.55	ND<20	ND<50	--	ND<0.5	0.8 J	ND<0.5	0.8 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-19	7/2/2012	185.83	100.38	0	85.45	130.62	5,900	860	--	140	130	19	2,400	--	16	ND<0.5	ND<0.5	ND<0.5	30	--	--	
MW-19	1/3/2013	185.83	109.09	0	76.74	130.75	43,000	1,600	--	1,900	1,800	1,900	15,000	--	38	ND<5	ND<5	ND<5	35 J	--	--	
MW-19	3/4/2013	185.83	109.70	0	76.13	130.79	36,000	1,000	--	2,700	2,000	1,800	10,000	--	32	ND<5	ND<5	ND<5	54	--	Well was resampled	
MW-19	7/1/2013	185.83	114.93	0	70.90	130.85	3,300	920	--	450	12	100	390	--	35	ND<0.5	ND<0.5	1	62	--	--	
MW-19	2/13/2014	185.83	128.50	0	57.33	130.80	ND<20	ND<160	ND<160	0.9 J	ND<0.5	ND<0.5	ND<0.5	--	0.6 J	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-19	7/1/2014	185.83	DRY	0	--	130.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-19	2/13/2015	185.83	DRY	0	--	130.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-20	7/1/2010	187.25	108.35	0	78.90	130.04	31 J	69 J	--	ND<0.5	2	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<50	Well Development	
MW-20	8/10/2010	187.25	110.36	0	76.89	129.73	ND<20	82 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-20	2/2/2011	187.25	108.42	0	78.83	129.95	ND<20	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<2	--	--	
MW-20	8/11/2011	187.25	102.80	0	84.45	129.93	ND<20	ND<47	--	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-20	3/1/2012	187.25	99.50	0	87.75	129.57	ND<20	100 J	--	0.7 J	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4 J	--	--	
MW-20	7/2/2012	187.25	100.48	0	86.77	129.87	550	530	--	9	0.6 J	ND<0.5	0.9 J	--	0.6 J	ND<0.5	ND<0.5	ND<0.5	15	--	--	
MW-20	1/3/2013	187.25	108.49	0	78.76	129.89	730	1,500	--	16	1	ND<0.5	4	--	7	ND<0.5	ND<0.5	ND<0.5	42	--	--	
MW-20	7/1/2013	187.25	114.48	0	72.77	129.93	840	710	--	86	5	9	26	--	13	ND<0.5	ND<0.5	ND<0.5	28	--	--	
MW-20	2/13/2014	187.25	128.67	0	58.58	129.83	1,400	1,600	ND<50	220	10	3	120	--	4	ND<0.5	ND<0.5	ND<0.5	9	--	--	
MW-20	7/1/2014	187.25	DRY	0	--	129.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-20	2/13/2015	187.25	DRY	0	--	129.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-21	6/30/2010	188.80	106.37	0	82.43	130.95	3,800	320	--	96	340	140	570	--	2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<50	Well Development	
MW-21	8/10/2010	188.80	109.57	0	79.23	130.80	2,700	5,700	--	180	12	0.9 J	51	--	11	ND<0.5	ND<0.5	ND<0.5	60	--	--	
MW-21	2/2/2011	188.80	106.61	0	82.19	130.67	2,300	11,000	--	190	3	22	6	--	19	ND<0.5	ND<0.5	ND<0.5	120	--	--	
MW-21	8/11/2011	188.80	97.47	0	91.33	130.65	270	58 J	--	46	0.7 J	ND<0.5	1	--	1	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-21	3/1/2012	189.16	98.28	0	90.88	130.60	490	320	--	31	1	3	4	--	14	ND<0.5	ND<0.5	ND<0.5	7	--	--	
MW-21	7/2/2012	189.16	99.88	0	89.28	130.64	210	90 J	--	27	0.9 J	0.7 J	5	--	18	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-21	1/3/2013	189.16	110.22	0	78.94	130.61	4,700	1,600	--	820	28	130	180	--	40	ND<5	ND<5	ND<5	25 J	--	--	
MW-21	7/1/2013	189.16	116.17	0	72.99	130.81	ND<20	66 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.5 J	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-21	2/13/2014	189.16	129.19	0	59.97	130.68	ND<20	110	ND<50	1.0	ND<0.5	ND<0.5	ND<0.5	--	1	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--	
MW-21	7/1/2014	189.16	DRY	0	--	130.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
MW-21	2/13/2015	189.16	DRY	0	--	130.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-22	6/30/2010	184.76	109.54	0	75.22	130.58	ND<22	50 J	--	ND<0.5	7	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<50	Well Development	
MW-22	8/10/2010	184.76	111.71	0	73.05	130.32	ND<20	61 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	ND<2	--	
MW-22	2/2/2011	184.76	111.15	0	73.61	130.29	ND<20	63 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	ND<2	--	
MW-22	8/11/2011	184.76	101.98	0	82.78	130.28	ND<20	ND<50	--	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	ND<2	--	
MW-22	3/1/2012	184.76	100.94	0	83.82	130.50	ND<20	ND<50	--	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	ND<2	--	
MW-22	7/2/2012	184.76	101.68	0	83.08	130.38	41 J	ND<50	--	ND<0.5	ND<0.5	ND<0.5	8	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2	--	
MW-22	1/3/2013	184.76	111.81	0	72.95	130.86	ND<20	ND<50	--	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	ND<2	--	
MW-22	7/1/2013	184.76	117.19	0	67.57	130.47	ND<20	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	0.9 J	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2	--	
MW-22	2/13/2014	184.76	128.90	0	55.86	130.41	ND<20	ND<160	ND<50	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	ND<2	--	
MW-22	7/1/2014	184.76	DRY	0	--	130.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-22	2/13/2015	184.76	DRY	0	--	130.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-23	2/6/2013	188.50	108.80	0	79.70	129.44	ND<20	360	--	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	ND<2	--	
MW-23	7/1/2013	188.50	113.46	0	75.04	129.62	ND<20	ND<50	--	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	ND<2	--	
MW-23	2/13/2014	188.50	126.59	0	61.91	129.65	ND<20	ND<160	ND<50	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	ND<2	--	
MW-23	7/1/2014	188.50	DRY	0	--	129.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-23	2/13/2015	188.50	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Access Well
MW-24	2/6/2013	191.23	114.45	0	76.78	123.46	ND<20	140	--	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	ND<2	--	
MW-24	7/1/2013	191.23	119.34	0	71.89	128.86	ND<20	ND<50	--	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	ND<2	--	
MW-24	2/12/2014	191.23	DRY	0	--	123.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY	
MW-24	2/12/2014	191.23	DRY	0	--	123.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-24	7/1/2014	191.23	DRY	0	--	123.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
MW-24	2/13/2015	191.23	DRY	0	--	123.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-1	11/15/1991	--	--	--	--	--	28,000	--	--	2,300	5,500	800	5,300	--	--	--	--	--	--	--	--	
RW-1	1/21/1992	--	--	--	--	--	1,800	--	--	71	52	4.9	450	--	--	--	--	--	--	--	--	
RW-1	12/16/1993	188.10	83.34	--	104.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	2/16/1994	188.10	78.05	--	110.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/4/1994	188.10	74.01	--	114.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/2/1994	188.10	75.39	--	112.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/21/1994	188.10	84.04	--	104.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/29/1995	188.10	85.77	4.48	102.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/27/1995	188.10	84.43	0.05	103.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/20/1996	188.10	79.70	5.57	108.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	8/26/1996	188.10	84.72	7.83	103.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	11/11/1996	188.10	84.90	--	103.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	1/22/1997	188.10	81.60	6.40	106.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	12/16/1998	188.10	84.96	0.51	103.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RW-1	5/1/2001	188.10	89.24	--	98.86	126.30	895	ND<500	--	23	18	32	86	--	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	--	
RW-1	7/9/2001	188.10	92.86	--	95.24	126.79	337	ND<1,000	--	54	18	12	36	--	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	--	
RW-1	10/24/2001	188.10	100.78	--	87.32	126.80	401	ND<1,000	--	35	12	ND<5	45	--	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	--	
RW-1	1/9/2002	188.10	98.65	--	89.45	126.80	1,840	ND<1,000	--	14	12	85	93	--	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	--	
RW-1	4/3/2002	188.10	95.89	--	92.21	126.80	647	ND<1,000	--	10	2.1 J	9.4	29	--	ND<1	ND<1	ND<1	ND<1	ND<10	ND<10	--	
RW-1	7/25/2002	188.10	96.35	--	91.75	127.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible	
RW-1	1/28/2003	185.72	98.52	--	87.20	127.30	1,600	790	--	41	6.3	21	44	--	ND<2	ND<2	ND<2	ND<2	ND<10	ND<10	--	
RW-1	7/28/2003	185.72	94.91	--	90.81	126.68	680	180 J	--	470	24 J	ND<5	7.4 J	--	ND<10	ND<10	ND<10	ND<10	ND<50	ND<50	--	
RW-1	2/5/2004	185.72	108.65	--	77.07	126.68	570	280 J	--	5.9	1.1 J	1.8 J	3.0 J	--	ND<2	ND<2	ND<2	ND<2	ND<10	ND<10	--	
RW-1	7/20/2004	185.72	106.03	0	79.69	126.57	340	120 J	--	1.8 J	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	ND<10	--	
RW-1	1/25/2005	185.72	103.95	0	81.77	127.00	1,400	ND<82	--	24.0	3.5 J	3.8 J	18	--	ND<2	ND<2	ND<2	ND<2	ND<10	ND<10	--	
RW-1	7/13/2005	185.72	89.74	0	95.98	126.95	250	170 J	--	54	12	3.2 J	20	--	ND<2	ND<2	ND<2	ND<2	ND<10	ND<10	--	
RW-1	3/2/2006	185.72	100.64	0	85.08	126.94	42 J	150	--	2 J	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<5	Odor	
RW-1	7/20/2006	185.72	89.65	0	96.07	127.02	160	120	--	21	2 J	0.7 J	2 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<5	--	
RW-1	1/31/2007	185.72	89.74	0	95.98	127.14	27 J	ND<50	--	2	ND<0.5	ND<0.5	0.5 J	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<2	--	
RW-1	7/31/2007	185.72	93.51	0	92.21	126.91	1,500	110 J	--	470	4.0	54.0	100.0	--	ND<1	ND<1	ND<1	ND<1	ND<4	ND<4	--	
RW-1	2/7/2008	185.72	104.14	0	81.58	126.84	3,400	380*	--	610	55	270	110	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	7	--	

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments
RW-1	7/23/2008	185.72	102.04	0	83.68	126.93	3,200	290	--	580	60	19	75	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	--	--
RW-1	3/19/2009	185.72	109.15	0	76.57	126.89	8,200	300	--	1,500	35	140	65	--	ND<3	ND<3	ND<3	ND<3	14 J	--	Pre-Purge
RW-1	3/19/2009	185.72	109.15	0	76.57	126.89	7,300	220	--	920	14	49	210	--	ND<3	ND<3	ND<3	ND<3	30	--	Post-Purge
RW-1	7/30/2009	185.72	114.82	0	70.90	126.87	5,000	130	--	650	200	71	290	--	0.6 J	ND<0.5	ND<0.5	ND<0.5	6	--	--
RW-1	2/4/2010	185.72	118.25	0	67.47	126.93	15,000	250	--	2,100	930	310	930	--	ND<3	ND<3	ND<3	ND<3	18 J	--	--
RW-1	8/10/2010	185.72	108.88	0	76.84	126.99	35,000	710	--	2,300	5,600	660	4,800	--	ND<5	ND<5	ND<5	ND<5	28 J	--	--
RW-1	2/2/2011	185.72	107.99	0	77.73	127.02	17,000	860	--	3,300	750	1,100	2,000	--	ND<5	ND<5	ND<5	ND<5	23 J	--	--
RW-1	8/11/2011	185.72	97.36	0	88.36	126.89	5,300	510	--	300	290	300	540	--	0.6 J	ND<0.5	ND<0.5	ND<0.5	12	--	--
RW-1	3/1/2012	190.01	97.71	0	92.30	127.69	8,400	370	--	2,200	330	160	390	--	ND<3	ND<3	ND<3	ND<3	24 J	--	--
RW-1	7/2/2012	190.01	99.05	0	90.96	126.90	24,000	830	--	1,700	3,000	650	3,800	--	ND<3	ND<3	ND<3	ND<3	34	--	--
RW-1	1/3/2013	190.01	110.38	0	79.63	126.91	18,000	1,100	--	6,100	240	690	800	--	ND<5	ND<5	ND<5	ND<5	ND<20	--	--
RW-1	7/1/2013	190.01	115.69	0	74.32	127.17	14,000	1,900	--	5,700	170	150	190	--	3 J	ND<3	ND<3	ND<3	59	--	--
RW-1	7/1/2013	190.01	115.69	0	74.32	127.17	11,000	1,100	--	4,900	120	100	120	--	ND<3	ND<3	ND<3	ND<3	35	--	Duplicate sample
RW-1	2/13/2014	190.01	125.62	0	64.39	127.06	15,000	--	--	2,700	460	130	560	--	77	11	ND<5	ND<5	310	--	--
RW-1	7/1/2014	190.01	DRY	0	--	127.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-1	2/13/2015	190.01	DRY	0	--	127.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-2	7/22/1993	--	--	--	--	--	1,800	--	--	50	12	2.6	11	--	--	--	--	--	--	--	--
RW-2	12/16/1993	183.75	80.49	--	103.26	--	8,500	--	--	2,300	1,300	360	630	--	--	--	--	--	--	--	--
RW-2	2/16/1994	183.75	78.90	--	104.85	--	5,000	--	--	1,900	320	310	180	--	--	--	--	--	--	--	--
RW-2	5/4/1994	183.75	75.77	--	107.98	--	3,200	--	--	910	370	120	210	--	--	--	--	--	--	--	--
RW-2	8/1/1994	183.75	77.10	--	106.65	--	6,800	--	--	2,500	620	260	390	--	--	--	--	--	--	--	--
RW-2	11/21/1994	183.75	85.41	--	98.34	--	23,000	11,000	--	5,700	4,800	980	4,200	--	--	--	--	--	--	--	--
RW-2	8/29/1995	183.75	82.10	--	101.65	--	22,000	ND	--	11,600	940	1,020	1,350	--	ND	--	--	--	--	--	--
RW-2	11/27/1995	183.75	85.55	--	98.20	--	33,000	7,000	--	7,400	3,900	1100	3,200	--	--	--	--	--	--	--	--
RW-2	5/20/1996	183.75	78.12	--	105.63	--	6,600	1,500	--	2,400	150	270	290	--	--	--	--	--	--	--	--
RW-2	1/22/1997	183.75	79.80	--	103.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
RW-2	12/16/1998	183.75	84.93	--	98.82	--	30,960	3,700	--	5,320	250	830	1,480	ND<1,000	--	--	--	--	--	--	--
RW-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	destroyed in 2001
RW-2A	2/6/2013	190.98	110.84	0	80.14	130.45	4,600	570	--	420	650	16	840	--	ND<5	ND<5	ND<5	ND<5	ND<20	--	--
RW-2A	7/1/2013	190.98	116.48	0	74.50	130.50	250	ND<50	--	57	15	6	15	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
RW-2A	2/12/2014	190.98	DRY	0	--	130.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-2A	7/1/2014	190.98	DRY	0	--	130.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-2A	2/13/2015	190.98	DRY	0	--	130.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-3	2/6/2013	188.94	110.27	0	78.67	129.81	750	88 J	--	120	10	2	14	--	1	ND<0.5	ND<0.5	ND<0.5	8	--	--
RW-3	7/1/2013	188.94	115.95	0	72.99	129.92	2,800	320	--	660	120	60	61	--	9	1	ND<0.5	ND<0.5	8	--	--
RW-3	2/12/2014	188.94	128.90	0	60.04	129.84	8,800	6100	340	2,100	360	75	390	--	79	12	ND<3	ND<3	ND<10	--	--
RW-3	7/1/2014	188.94	DRY	0	--	129.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-3	2/13/2015	188.94	DRY	0	--	129.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-4	2/6/2013	188.14	109.61	0	78.53	129.56	860	360	--	140	8	1 J	9	--	2	ND<0.5	ND<0.5	ND<0.5	29	--	--
RW-4	7/1/2013	188.14	115.30	0	72.84	129.56	830	390	--	180	2	ND<0.5	5	--	7	0.5 J	ND<0.5	ND<0.5	83	--	--
RW-4	2/12/2014	188.14	128.13	0	60.01	129.39	870	ND<160	ND<50	260	7	4	50	--	2	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
RW-4	7/1/2014	188.14	DRY	0	--	129.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-4	2/13/2015	188.14	DRY	0	--	129.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-5	2/6/2013	191.30	111.84	0	79.46	127.21	91	55 J	--	0.5 J	ND<0.5	ND<0.5	ND<0.5	--	2	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
RW-5	7/1/2013	191.30	117.58	0	73.72	127.29	110	ND<50	--	5	ND<0.5	ND<0.5	ND<0.5	--	32	2	ND<0.5	ND<0.5	4 J	--	--
RW-5	2/12/2014	191.30	DRY	0	--	127.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-5	7/1/2014	191.30	DRY	0	--	127.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
RW-5	2/13/2015	191.30	DRY	0	--	127.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
SW-1	11/15/1991	--	--	--	--	--	120,000	--	--	12,000	23,000	2,000	15,000	--	--	--	--	--	--	--	--
SW-1	1/21/1992	--	--	--	--	--	54,000	--	--	5,400	13,000	1,200	10,000	--	--	--	--	--	--	--	--
SW-1	7/22/1993	--	--	--	--	--	6,400	800	--	110	560	110	770	--	--	--	--	--	--	--	--
SW-1	12/16/1993	187.49	75.90	--	111.59	--	950	ND	--	37	130	47	160	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments	
SW-1	2/17/1994	187.49	74.05	--	113.44	--	2,800	ND		110	220	38	210	--	--	--	--	--	--	--	--	--
SW-1	5/4/1994	187.49	71.90	--	115.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-1	8/2/1994	187.49	73.90	--	113.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-1	11/22/1994	187.49	82.89	--	104.60	--	680	460		112	18	39	99	--	--	--	--	--	--	--	--	--
SW-1	8/29/1995	187.49	80.31	--	107.18	--	880	ND		24	16	5.0	10	--	--	--	--	--	--	--	--	--
SW-1	11/27/1995	187.49	83.03	--	104.46	--	1,600	0.7		19	30	51	46	--	--	--	--	--	--	--	--	--
SW-1	5/20/1996	187.49	74.22	--	113.27	--	1,500	550		9.1	5.6	22	44	--	--	--	--	--	--	--	--	--
SW-1	1/22/1997	187.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
SW-2	2/17/1994	186.77	76.40	--	110.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-2	5/4/1994	186.77	74.19	--	112.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-2	8/1/1994	186.77	75.85	--	110.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-2	11/21/1994	186.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-2	11/27/1995	186.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-2	11/27/1995	186.77	--	--	--	--	51,000	3.2		8,500	14,000	650	3,100	--	--	--	--	--	--	--	--	--
SW-2	5/20/1996	186.77	76.46	--	110.31	--	3100	ND		3,100	340	ND	750	--	--	--	--	--	--	--	--	--
SW-2	1/22/1997	186.77	77.59	--	109.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
SW-3A	12/16/1993	187.16	74.95	--	112.21	--	15,000	--		2,700	2,900	930	3,100	--	--	--	--	--	--	--	--	--
SW-3A	2/17/1994	187.16	74.95	--	112.21	--	5,600	--		870	550	350	970	--	--	--	--	--	--	--	--	--
SW-3A	5/4/1994	187.16	71.76	--	115.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-3A	8/2/1994	187.16	73.70	--	113.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-3A	11/22/1994	187.16	82.71	--	104.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
SW-3B	12/16/1993	187.13	75.72	--	111.41	--	6,000	ND		1,000	910	220	660	--	--	--	--	--	--	--	--	--
SW-3B	2/17/1994	187.13	74.18	--	112.95	--	14,000	ND		2,400	2,300	870	3,200	--	--	--	--	--	--	--	--	--
SW-3B	5/4/1994	187.13	71.91	--	115.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-3B	8/2/1994	187.13	73.70	--	113.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-3B	11/22/1994	187.13	82.71	--	104.42	--	9,200	5,200		1,000	590	880	2,500	--	--	--	--	--	--	--	--	--
SW-3B	8/29/1995	187.13	79.85	--	107.28	--	7,450	ND		840	210	260	660	--	--	--	--	--	--	--	--	--
SW-3B	11/27/1995	187.13	83.21	--	103.92	--	7,400	2,300		470	150	440	1,300	--	--	--	--	--	--	--	--	--
SW-3B	5/20/1996	187.13	74.21	--	112.92	--	17,000	5,100		1,400	340	1,500	2,200	--	--	--	--	--	--	--	--	--
SW-3B	1/22/1997	187.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
V-1	11/15/1991	--	--	--	--	--	9,800	--		680	590	94	1,200	--	--	--	--	--	--	--	--	--
V-1	2/16/1994	188.64	75.60	--	113.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1	5/4/1994	188.64	73.29	--	115.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1	8/2/1994	188.64	74.72	--	113.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1	11/21/1994	188.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1	11/27/1995	188.64	84.51	0.13	104.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1	5/20/1996	188.64	75.53	--	113.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1	1/22/1997	188.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
V-1A	2/16/1994	187.02	80.47	--	106.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1A	5/4/1994	187.02	71.87	--	115.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1A	8/2/1994	187.02	73.69	--	113.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1A	11/21/1994	187.02	82.63	--	104.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1A	8/29/1995	187.02	83.67	5.15	103.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1A	11/27/1995	187.02	83.70	0.90	103.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1A	5/20/1996	187.02	83.09	11.64	103.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1A	1/22/1997	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	6/29/1999	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	9/14/1999	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	12/8/1999	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	2/15/2000	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	4/24/2000	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	7/14/2000	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	10/11/2000	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments
V-1A	1/9/2001	187.02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	5/1/2001	187.02	DRY	--	--	87.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1A	7/9/2001	187.02	DRY	--	--	87.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V1-A	10/23/2001	187.02	DRY	--	--	87.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V1-A	1/9/2002	187.02	DRY	--	--	87.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V1-A	4/3/2002	187.02	DRY	--	--	87.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V1-A	7/25/2002	187.02	DRY	--	--	87.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V1-A	1/28/2003	187.02	DRY	--	--	87.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V1-A	7/28/2003	187.02	DRY	--	--	87.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V1-A	2/5/2004	187.02	DRY	--	--	58.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	DRY
V-1C	2/14/1994	188.58	75.55	--	113.03	--	55,000	--	6,300	5,900	1,100	7,900	--	--	--	--	--	--	--	--	--
V-1C	5/4/1994	188.58	73.38	--	115.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1C	8/2/1994	188.58	75.10	--	113.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-1C	11/21/1994	188.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
V-2B	2/16/1994	188.96	75.56	--	113.40	--	8,500	--	96	10	2.0	17	--	--	--	--	--	--	--	--	--
V-2B	5/5/1994	188.96	73.19	--	115.77	--	2,700	--	91	25	3.4	34	--	--	--	--	--	--	--	--	--
V-2B	8/1/1994	188.96	74.72	--	114.24	--	5,900	--	63	4.7	1.1	7.0	--	--	--	--	--	--	--	--	--
V-2B	11/21/1994	188.96	83.82	--	105.14	--	830	--	37	2.3	ND	4.0	--	--	--	--	--	--	--	--	--
V-2B	8/29/1995	188.96	80.91	--	108.05	--	1,440	--	190	2.0	ND	2.0	--	--	--	--	--	--	--	--	--
V-2B	11/27/1995	188.96	84.51	--	104.45	--	6,000	--	1,300	600	110	300	--	--	--	--	--	--	--	--	--
V-2B	5/20/1996	188.96	75.29	--	113.67	--	1,100	--	83	140	21	97	--	--	--	--	--	--	--	--	--
V-2B	1/22/1997	188.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
V-3	2/16/1994	186.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3	5/4/1994	186.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3	8/1/1994	186.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3	11/21/1994	186.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3	5/20/1996	186.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
V-3C	11/15/1991	185.77	--	--	--	--	--	--	210	290	14	230	--	--	--	--	--	--	--	--	--
V-3C	2/16/1994	185.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3C	5/4/1994	185.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3C	8/1/1994	185.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3C	11/21/1994	185.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-3C	5/20/1996	185.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No longer sampled
Trip Blank	12/16/1998	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
Trip Blank	6/29/1999	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
Trip Blank	9/14/1999	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<10	--	--	--	--	--	--	--	--
Trip Blank	12/8/1999	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
Trip Blank	2/15/2000	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
Trip Blank	3/17/2000	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
Trip Blank	4/24/2000	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
Trip Blank	7/14/2000	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5.0	--	--	--	--	--	--	--	--
Trip Blank	10/11/2000	--	--	--	--	--	ND<500	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
Trip Blank	1/9/2001	--	--	--	--	--	ND<100	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	--
Trip Blank	5/1/2001	--	--	--	--	--	ND<100	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	BTEX by 8021B
Trip Blank	7/9/2001	--	--	--	--	--	ND<100	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<5	--	--	--	--	--	--	--	BTEX by 8021B
Trip Blank	10/23/2001	--	--	--	--	--	ND<100	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
Trip Blank	1/9/2002	--	--	--	--	--	ND<100	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
Trip Blank	4/3/2002	--	--	--	--	--	ND<100	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
Trip Blank	4/4/2002	--	--	--	--	--	ND<100	--	ND<1	ND<5	ND<5	ND<5	--	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	--	--
Trip Blank	7/25/2002	--	--	--	--	--	ND<50	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
Trip Blank	1/28/2003	--	--	--	--	--	ND<50	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
Trip Blank	2/18/2003	--	--	--	--	--	ND<50	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
Trip Blank	7/28/2003	--	--	--	--	--	ND<50	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
Trip Blank	2/5/2004	--	--	--	--	--	ND<50	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	--	--

Table 2. Historical Groundwater Analyses and Gauging Results
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	Top of Casing (ft MSL)	Depth to GW (ft bgs)	NAPL Thickness (feet)	GW Elevation (ft MSL)	Depth of Well (ft bgs)	TPHg (ug/L)	TPH Diesel (ug/L)	TPH with Silica Gel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE 8020/8021 (ug/L)	MTBE 8260 (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	Comments
Trip Blank	7/20/2004	--	--	--	--	--	ND<50	--	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
Trip Blank	1/25/2005	--	--	--	--	--	ND<50	--	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
Trip Blank	7/13/2005	--	--	--	--	--	ND<50	--	--	ND<1	ND<1	ND<1	ND<1	--	ND<2	ND<2	ND<2	ND<2	ND<10	--	--
Trip Blank	3/2/2006	--	--	--	--	--	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	7/20/2006	--	--	--	--	--	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	1/31/2007	--	--	--	--	--	ND<20	--	--	ND<0.5	ND<0.5	ND<0.5	1	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	--	--
Trip Blank	7/31/2007	--	--	--	--	--	ND<20	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	2/7/2008	--	--	--	--	--	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	7/23/2008	--	--	--	--	--	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	3/19/2009	--	--	--	--	--	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	7/30/2009	--	--	--	--	--	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	2/4/2010	--	--	--	--	--	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	6/30/2010	--	--	--	--	--	ND<22	--	--	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	ND<50	Well Development
Trip Blank	7/1/2010	--	--	--	--	--	ND<22	--	--	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	ND<50	Well Development
Trip Blank	8/10/2010	--	--	--	--	--	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	8/11/2011	--	--	--	--	--	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	3/1/2012	--	--	--	--	--	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	1/3/2013	--	--	--	--	--	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	2/6/2013	--	--	--	--	--	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	7/1/2013	--	--	--	--	--	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	2/12/2014	--	--	--	--	--	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	2/13/2014	--	--	--	--	--	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	--	--

Notes: ug/L = Micrograms per liter
ND = Not detected
NAPL = Non-aqueous phase liquid
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B
TPHd = Total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
J = denotes value between method detection limit and detection limit for reporting purposes
Benzene, toluene, ethylbenzene, and total xylenes (collectively termed BTEX) analyzed by EPA Method 8260B except as noted

ft bgs = feet below ground surface
ft MSL = feet above mean sea level
Detected concentrations are shown in bold type

Hydrographs are based on the most recent survey data.

*TPHd was detected in the method blank at a concentration of 45 ug/L. All samples except MW-03 and MW-12 were re-extracted before results from the re-extraction. Results from the re-extraction are within the limits. The hold time had expired prior to the re-extraction so all results are reported from the original extract. Similar results were obtained in both extracts.

DRY = No water detected in well or water in end cap not representative of groundwater levels and with insufficient water to sample.

Wells MW-04, MW-05, MW-06, and MW-13 were resurveyed on August 9, 2011 by Johnson-Frank & Associates, Inc. to North American Vertical Datum of 1988 (NAVD88).

Wells MW-01, MW-03, MW-07, MW-08, MW-09, MW-12, MW-14, MW-15, MW-16, and RW-1 were resurveyed on December 13, 2011 by Johnson-Frank & Associates, Inc. to North American Vertical Datum of 1988 (NAVD88).

Well MW-10 was resurveyed on March 1, 2012 by Johnson-Frank & Associates, Inc. to North American Vertical Datum of 1988 (NAVD88).

Wells MW-23, MW-24, RW-2A, RW-3, RW-4, and RW-5 were surveyed on January 29, 2013 by Johnson-Frank & Associates, Inc. to NAVD88.

Wells MW-23, MW-24, RW-2A, RW-3, RW-4, and RW-5 were initially gauged on January 3, 2013, and sampled on February 6, 2013. Depth to GW shown is 1/3/2013 data.

Table 3. Monitored Natural Attenuation Parameters
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Sampled	DO (mg/L)	ORP (mV)	pH	CO2 (mg/L)	Methane (mg/L)	Ferrous (2+) Iron (mg/L)	Total Iron (mg/L)	Dissolved Iron (mg/L)	Manganese (mg/L)	Nitrate Nitrogen (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Dissolved Sulfate (mg/L)	Comments
MW-01	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient Water
MW-03	2/13/2014	2.82	35.3	6.45	64 J	ND<0.003	0.0	53.5	ND<0.043	8.32	0.370 J	68	329	ND<0.054	--
MW-04	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient Water
MW-06	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient Water
MW-07	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	2/12/2014	0.98	-44	8.10	21	0.190	0.0	1,910	0.126 J	44.5	ND<0.025	36.1	846	ND<0.54	--
MW-12	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient Water
MW-14	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19	2/13/2014	1.43	27.7	6.85	43	0.078	0.0	364	1.12	86.2	0.75	104	272	ND<0.054	--
MW-20	2/13/2014	1.64	-87.3	6.15	120	0.046	0.0	91.8	3.98	9.36	ND<0.25	38.3	466	ND<0.054	--
MW-21	2/13/2014	3.28	30.0	7.05	32	0.017	0.0	135	ND<0.043	10.4	1.2	80.5	284	ND<0.054	--
MW-22	2/13/2014	4.06	27.9	6.70	59	ND<0.003	0.0	48.1	0.292	2.47	5.2	32	266	ND<0.054	--
MW-23	2/13/2014	6.91	72.9	6.55	23	ND<0.003	0.0	62.7	0.0445 J	2.6	6.1	96.6	190	ND<0.054	--
MW-24	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-1	2/12/2014	0.31	-183.0	6.96	150	2.1	0.0	2,050	--	123	ND<0.25	4 J	723	ND<0.054	--
RW-2A	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient Water
RW-3	2/12/2014	2.57	65.0	6.59	87	0.540	0.0	173	3.76	11.5	1.5	64.8	402	ND<0.054	--
RW-4	2/12/2014	2.47	52.0	6.88	50	0.023	0.0	110	6.22	8.84	3.6	85	344	ND<0.054	--
RW-5	2/12/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	2/12/2014	--	--	--	ND<0.02	--	--	ND<0.5	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--

Notes: mg/L = milligrams per liter
mV = millivolts
ND = Not detected
DO = Dissolved Oxygen measured in field
ORP = Oxidation Reduction Potential measured in field
CO2 = Carbon Dioxide analyzed by EPA8015 modified
Methane analyzed by EPA 8015B modified
Ferrous Iron measured in field
Iron, Filtered Iron and Manganese analyzed by EPA Method 6010
Nitrate Nitrogen and Sulfate analyzed by EPA Method 300.0
Total Alkalinity analyzed by EPA Method 2320 B-1997
Dissolved Sulfide analyzed by EPA Method 4500-S2 D-2000
J = denotes value between method detection limit and detection limit for reporting purposes

Table 4. Well Sampling Schedule
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Comments
MW-01	X		X		
MW-03	X		X		
MW-04	X		X		
MW-05	X		X		
MW-06	X		X		
MW-07	X		X		
MW-08	X		X		
MW-09	X		X		
MW-10	X		X		
MW-12	X		X		
MW-13	X		X		
MW-14	X		X		
MW-15	X		X		
MW-16	X		X		
MW-19	X		X		
MW-20	X		X		
MW-21	X		X		
MW-22	X		X		
MW-23	X		X		
MW-24	X		X		
RW-1	X		X		
RW-2A	X		X		
RW-3	X		X		
RW-4	X		X		
RW-5	X		X		

NOTE: Sampling schedule as of first quarter 2015.

Table 5. Well Construction Data
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Construction Completed	Total Depth of Boring (ft bgs)	Borehole Diameter (inches)	Depth of Well (ft bgs)	Screened Interval (ft bgs)		Well Casing Nominal Diameter (inches)	Well Casing Material	Screen Slot Size (inches)	Well Screen Material	Filter Pack Interval (ft bgs)		Filter Pack Material	Cement Bentonite Grout Seal Interval (ft bgs)		Bentonite Seal Interval (ft bgs)	
					top	bottom					top	bottom		top	bottom	top	bottom
MW-01	11/6/1989	130.0	6.5	120.0	70.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	65.0	120.0	Sand	1.0	60.0	60.0	65.0
MW-02	11/27/1989	122.5	NR	120.0	70.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	62.0	120.0	Sand	1.0	60.0	60.0	62.0
MW-03	11/15/1989	123.0	NR	123.0	55.0	123.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	55.0	123.0	Sand	1.0	45.0	45.0	55.0
MW-04	11/14/1989	125.0	NR	125.0	75.0	125.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	71.0	125.0	Sand	1.0	67.0	67.0	71.0
MW-05	11/28/1989	121.0	8	121.0	66.0	121.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	60.0	121.0	Sand	1.0	55.0	55.0	60.0
MW-06	11/16/1989	129.0	NR	128.0	70.0	128.0	4.0	Sch. 40 PVC	NR	Sch. 40 PVC	60.0	128.0	Sand	1.0	55.0	55.0	60.0
MW-07	11/30/1989	125.0	10	125.0	70.0	125.0	4.0	Sch. 40 PVC	NR	Sch. 40 PVC	65.0	125.0	Sand	1.0	60.0	60.0	65.0
MW-08	11/21/1989	130.0	NR	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	65.0	130.0	Sand	1.0	60.0	60.0	65.0
MW-09	11/13/1989	125.0	NR	125.0	70.0	125.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	66.0	125.0	Sand	1.0	62.0	62.0	66.0
MW-10	2/18/1991	120.0	10	120.0	80.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	75.0	120.0	Sand	1.0	73.0	73.0	75.0
MW-11	2/15/1991	120.0	10	120.0	80.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	75.0	120.0	Sand	1.0	73.0	73.0	75.0
MW-12	2/14/1991	120.0	10	120.0	80.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	75.0	120.0	Sand	1.0	73.0	73.0	75.0
MW-13	2/14/1991	122.0	10	122.0	72.0	122.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	67.0	122.0	Sand	1.0	65.0	65.0	67.0
MW-14	2/15/1991	123.0	10	123.0	83.0	123.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	77.0	123.0	Sand	1.0	75.0	75.0	77.0
MW-15	2/18/1991	120.0	10	120.0	80.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	75.0	120.0	Sand	1.0	73.0	73.0	75.0
MW-16	9/3/1991	120.0	4	120.0	80.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	NR	NR	NR	NR	NR	NR	NR
MW-17	3/21/1994	107.0	10	103.0	53.0	103.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	51.0	103.0	Sand	1.0	51.0	---	---
MW-18	3/21/1994	120.0	10	120.0	70.0	120.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	120.0	Sand	1.0	68.0	---	---
MW-19	6/29/2010	130.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	130.0	Sand	2.0	65.0	65.0	68.0
MW-20	6/22/2010	130.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	130.0	Sand	2.0	65.0	65.0	68.0
MW-21	6/28/2010	130.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	130.0	Sand	2.0	65.0	65.0	68.0
MW-22	6/23/2010	130.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	130.0	Sand	2.0	65.0	65.0	68.0
MW-23	11/2/2012	131.5	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	131.5	Sand	1.0	65.0	65.0	68.0
MW-24	11/6/2012	131.5	10	125.0	65.0	125.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	63.0	131.5	Sand	1.0	59.0	59.0	63.0
V1 (Shallow) ¹	2/12/1991	128.0	10	55.0	25.0	55.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	20.0	55.0	Sand	1.0	17.0	17.0	20.0
V1 (Deep) ¹	2/12/1991	128.0	10	128.0	70.0	128.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	66.0	128.0	Sand	1.0	17.0	55.0	66.0
V1A (Shallow) ¹	2/13/1991	90.0	10	60.0	20.0	60.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	17.0	60.0	Sand	1.0	14.0	14.0	17.0
V1A (Deep) ¹	2/13/1991	90.0	10	90.0	70.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	67.0	90.0	Sand	1.0	14.0	60.0	67.0
V1B (Shallow)	2/12/1991	90.0	10	85.0	30.0	35.0	tubing	Sch. 40 PVC	NR	Sch. 40 PVC	25.0	35.0	Sand	20.0	25.0	NR	NR
V1B (Deep)	2/12/1991	90.0	10	85.0	50.0	55.0	tubing	Sch. 40 PVC	NR	Sch. 40 PVC	45.0	55.0	Sand	35.0	45.0	NR	NR
V1C (Deep) ¹	2/12/1991	90.0	10	85.0	80.0	85.0	tubing	Sch. 40 PVC	NR	Sch. 40 PVC	75.0	90.0	Sand	55.0	75.0	NR	NR
V1C (Shallow) ¹	2/14/1991	90.0	10	60.0	20.0	60.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	17.0	60.0	Sand	1.0	14.0	14.0	17.0
V1C (Deep) ¹	2/14/1991	90.0	10	90.0	70.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	67.0	90.0	Sand	1.0	14.0	60.0	67.0
V2 (Shallow) ¹	7/16/1991	90.0	8.25	55.0	5.0	55.0	3.0	Sch. 40 PVC	NR	Sch. 40 PVC	3.0	55.0	Sand	1.0	2.0	2.0	3.0
V2 (Deep) ¹	7/16/1991	90.0	8.25	90.0	80.0	90.0	3.0	Sch. 40 PVC	NR	Sch. 40 PVC	57.0	90.0	Sand	1.0	2.0	55.0	57.0
V2A (Shallow) ¹	7/1/1991	90.0	10	55.0	5.0	55.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	3.0	55.0	Sand	1.0	2.0	2.0	3.0
V2A (Deep) ¹	7/1/1991	90.0	10	90.0	60.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	57.0	90.0	Sand	1.0	2.0	55.0	57.0

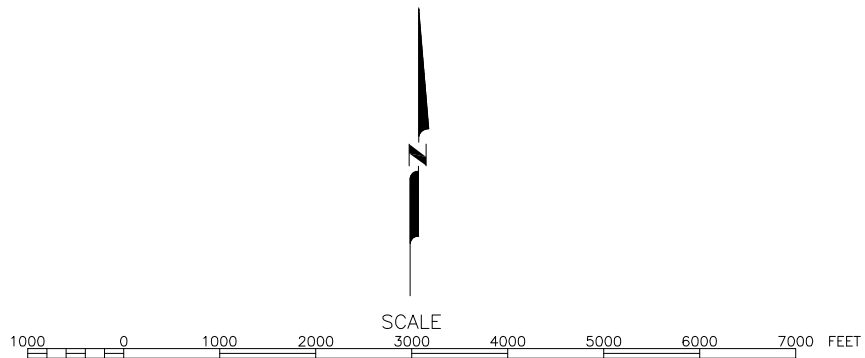
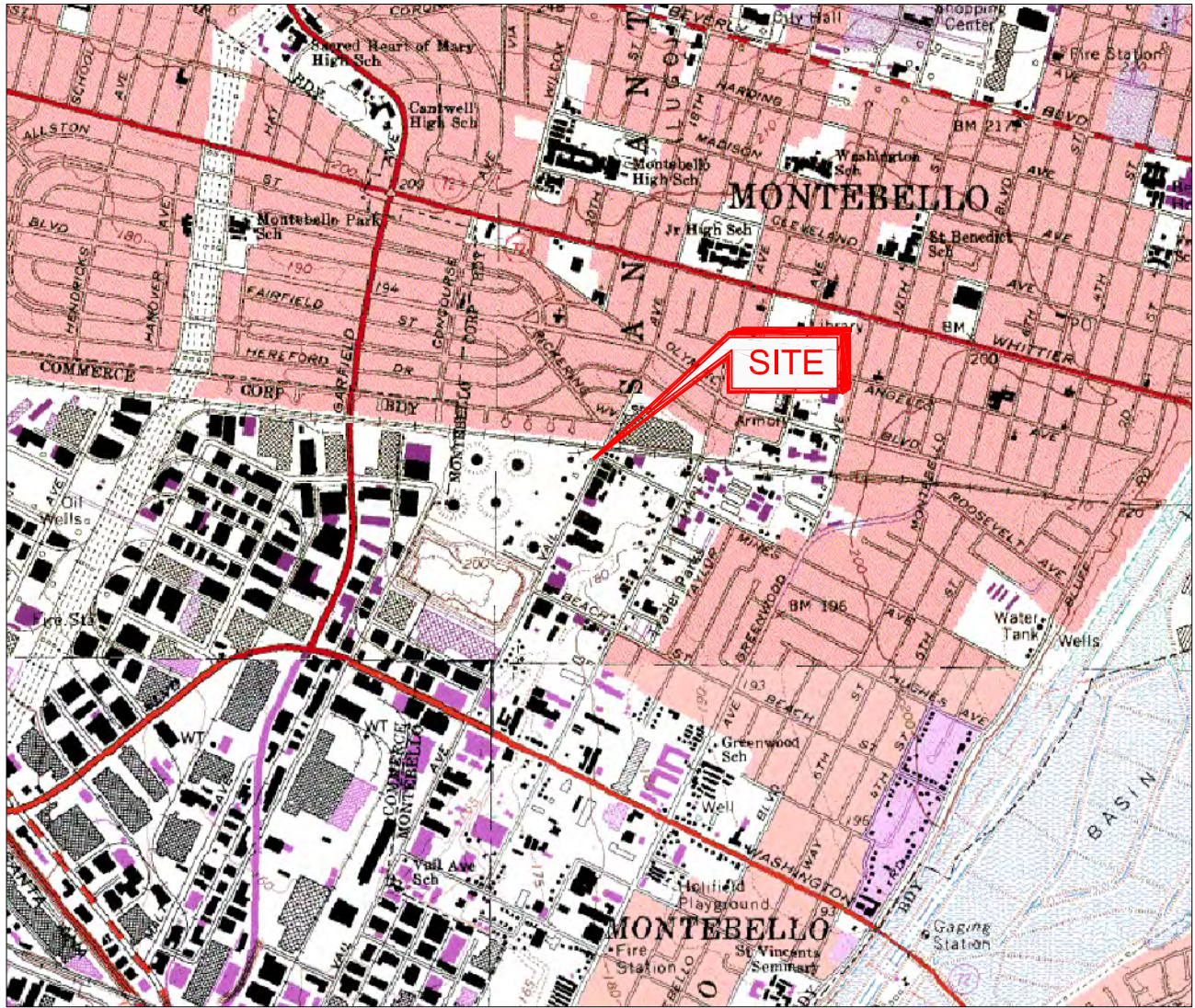
Table 5. Well Construction Data
Chevron Environmental Management Company
Chevron Montebello Terminal (Bulk Storage Facility) No. 100-1654
601 South Vail Avenue, Montebello, California

Well ID	Date Construction Completed	Total Depth of Boring (ft bgs)	Borehole Diameter (inches)	Depth of Well (ft bgs)	Screened Interval (ft bgs)		Well Casing Nominal Diameter (inches)	Well Casing Material	Screen Slot Size (inches)	Well Screen Material	Filter Pack Interval (ft bgs)		Filter Pack Material	Cement Bentonite Grout Seal Interval (ft bgs)		Bentonite Seal Interval (ft bgs)	
					top	bottom					top	bottom		top	bottom	top	bottom
V2B (Shallow) ¹	7/2/1991	90.0	8.25	55.0	5.0	55.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	3.0	55.0	Sand	1.0	2.0	2.0	3.0
V2B (Deep) ¹	7/2/1991	90.0	8.25	90.0	60.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	57.0	90.0	Sand	1.0	2.0	55.0	57.0
V2C (Shallow) ¹	7/3/1991	90.0	8.25	55.0	5.0	55.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	2.0	55.0	Sand	0.5	1.0	1.0	2.0
V2C (Deep) ¹	7/3/1991	90.0	8.25	90.0	60.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	60.0	90.0	Sand	0.5	1.0	55.0	60.0
V3	7/10/1991	50.0	NR	50.0	5.0	50.0	3.0	Sch. 40 PVC	NR	Sch. 40 PVC	NR	NR	NR	NR	NR	NR	NR
V3A (Shallow) ¹	7/5/1991	90.0	10	55.0	5.0	55.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	3.0	55.0	Sand	1.0	2.0	2.0	3.0
V3A (Deep) ¹	7/5/1991	90.0	10	90.0	60.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	57.0	90.0	Sand	1.0	2.0	55.0	57.0
V3B (Shallow) ¹	7/8/1991	90.0	10	55.0	5.0	55.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	3.0	55.0	Sand	1.0	2.0	2.0	3.0
V3B (Deep) ¹	7/8/1991	90.0	10	90.0	60.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	57.0	90.0	Sand	1.0	2.0	55.0	57.0
V3C (Shallow) ¹	7/11/1991	120.0	10	55.0	5.0	55.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	3.0	55.0	Sand	1.0	2.0	2.0	3.0
V3C (Deep) ¹	7/11/1991	120.0	10	90.0	60.0	90.0	3.0	Sch. 40 PVC	0.02	Sch. 40 PVC	57.0	90.0	Sand	1.0	2.0	55.0	57.0
RW-1	11/13/1991	130.0	12	130.0	75.0	125.0	6.0	Stainless Steel	0.02	Machine slotted stainless steel wirewrap	70.0	130.0	#2/16 Sand	2.0	65.0	65.0	70.0
RW-2	11/13/1991	125.0	12	125.0	80.0	120.0	6.0	Stainless Steel	0.02	Machine slotted stainless steel wirewrap	75.0	125.0	#2/16 Sand	2.0	70.0	70.0	75.0
SW-1	11/13/1991	125.5	8	124.0	122.0	124.0	2.0	Stainless Steel	0.02	Machine slotted stainless steel	121.0	125.5	Sand	1.0	111.0	111.0	121.0
SW-2	11/13/1991	125.0	8	119.5	117.5	119.5	2.0	Stainless Steel	0.02	Machine slotted stainless steel	114.0	125.0	Sand	1.0	103.0	103.0	114.0
SW-3 (Shallow) ¹	1/15/1992	130.0	10	100.0	97.0	100.0	3.0	Stainless Steel	0.03	Machine slotted stainless steel	95.0	101.0	Sand	2.0	91.5	91.5	95.0
SW-3 (Deep) ¹	1/15/1992	130.0	10	117.0	114.0	117.0	3.0	Stainless Steel	0.03	Machine slotted stainless steel	109.0	130.0	Sand	2.0	91.5	101.0	109.0
SVW-1	6/28/2011	105.0	10	100.0	90.0	100.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	88.0	101.0	#2/16 Sand	1.0	80.0	80.0	88.0
SVW-2	6/29/2011	100.0	10	70.0	50.0	70.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	48.0	72.0	#2/16 Sand	1.0	45.0	45.0	48.0
SVW-3	6/30/2011	100.0	10	75.0	45.0	75.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	43.0	77.0	#2/16 Sand	1.0	40.0	40.0	43.0
SVW-5	3/30/2012	96.5	10	70.0	50.0	70.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	48.0	71.0	#2/16 Sand	3.0	43.0	43.0	48.0
SVW-6	12/11/2012	115.0	10	58.0	48.0	58.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	46.0	58.0	#2/12 Sand	1.0	36.0	36.0	46.0
RW-2A	12/10/2012	131.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	131.0	Sand	1.0	64.0	64.0	68.0
RW-3	12/6/2012	131.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	131.0	Sand	1.0	65.0	65.0	68.0
RW-4	12/12/2012	131.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	131.0	Sand	1.0	65.0	65.0	68.0
RW-5	10/26/2012	131.0	10	130.0	70.0	130.0	4.0	Sch. 40 PVC	0.02	Sch. 40 PVC	68.0	131.0	Sand	1.0	65.0	65.0	68.0

Notes and Acronyms:
ft bgs = feet below ground surface
NR = not recorded
NA = not applicable
¹ = Double nested well

ATTACHMENT 2

FIGURES



REFERENCE: USGS 7.5-MINUTE QUADRANGLE, EL MONTE, CALIFORNIA

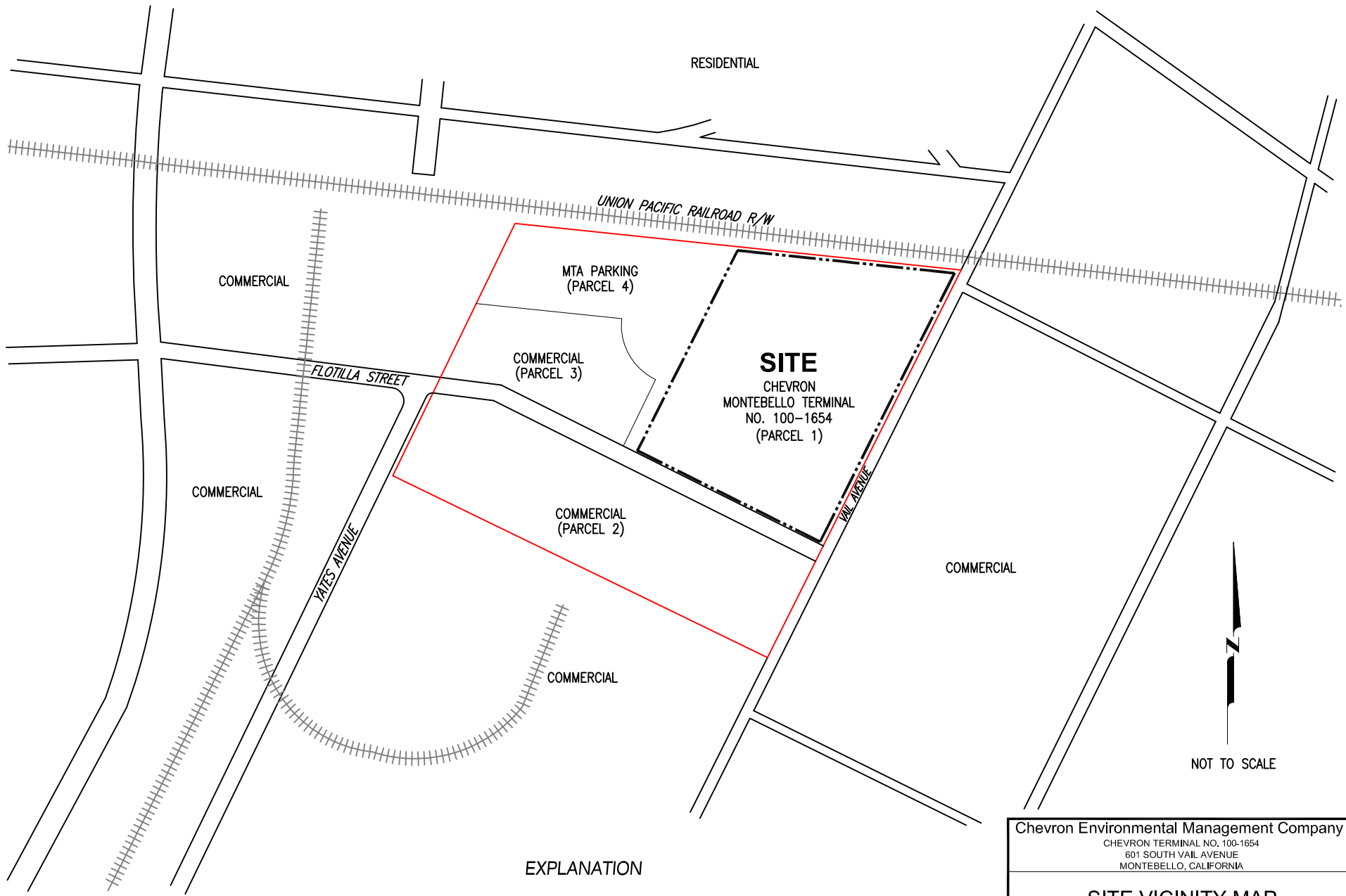
Chevron Environmental Management Company
 CHEVRON TERMINAL NO. 100-1654
 601 SOUTH VAIL AVENUE
 MONTEBELLO, CALIFORNIA

SITE LOCATION MAP

DRAWN	HDS	CHECKED	APPROVED	FIGURE NO.
DATE	10/13	DATE	DATE	1
JOB NO.	26013B085H	FILE NO.	SITE LOCATION MAP	



FILE: P:\EC\1039-BRE\Drafting\100-1654\BASE\SITE VICINITY.dwg [Layout1]



EXPLANATION

- CURRENT SITE BOUNDARY
- FORMER SITE BOUNDARY

Chevron Environmental Management Company
 CHEVRON TERMINAL NO. 100-1654
 601 SOUTH VAIL AVENUE
 MONTEBELLO, CALIFORNIA

SITE VICINITY MAP

DRAWN	HDS	CHECKED	APPROVED	FIGURE NO.
DATE	4/15	DATE	DATE	2
JOB NO.	311888.00.15.B.085B		FILE NO. SITE VICINITY	

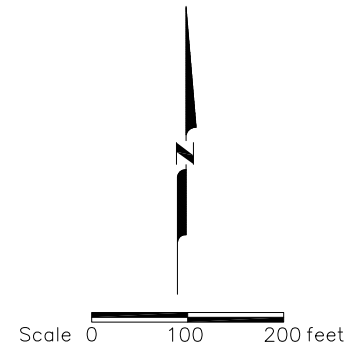


FILE: P:\EC\1039-BRE\Drafting\100-1654\FIGURE\B1654-059.dwg [Layout1]



- EXPLANATION**
- GROUNDWATER MONITORING WELL
 - PAVED GROUNDWATER MONITORING WELL
 - DESTROYED GROUNDWATER MONITORING WELL
 - CURRENT SITE CONFIGURATION
 - HISTORIC SITE CONFIGURATION
 - PARCEL 1 PROPERTY LINE

- NOTES:**
1. WELLS MW-01, MW-03, MW-07, MW-08, MW-09, MW-10, MW-12, MW-14, MW-15, MW-16, AND RW-1 WERE RESURVEYED IN DECEMBER 2011. WELL MW-10 WAS RESURVEYED IN MARCH 2012.
 2. WELLS MW-23, MW-24, MW-2A, MW-3, RW-4, AND RW-5 WERE SURVEYED IN JANUARY 2013.



Chevron Environmental Management Company
 CHEVRON MONTEBELLO TERMINAL FACILITY NO. 100-1654
 601 SOUTH VAIL AVENUE
 MONTEBELLO, CALIFORNIA

**SITE PLAN SHOWING
 GROUNDWATER MONITORING WELLS**

DRAWN	HDS	CHECKED	APPROVED	FIGURE NO.
DATE	4/15	DATE	DATE	3
JOB NO.	311888.00.15.B.085B.9404.0100		FILE NO.	
			B1654-059	



ATTACHMENT 3

GROUNDWATER SAMPLING PROCEDURES AND FIELD SHEETS

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 23, 2015

Chevron Environmental Management Company
Mike Bauer
145 S. State College Blvd
Brea, CA 92821

First Quarter 2015 Monitoring at
Site Number 1001654
601 South Vail Ave.
Montebello, CA

Monitoring performed on 02/13/2015

Blaine Tech Services, Inc. Groundwater Monitoring Event 150213NT-1

This submission covers the routine monitoring of groundwater wells conducted on 02/13/2015 at this location. Twenty-Four monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Zero monitoring wells were sampled. . All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water or oil-water interface detector. All sampled wells were purged of three case volumes or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air-displacement pumps or stainless steel, Teflon or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

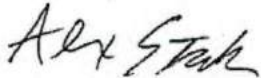
First Quarter 2015 Groundwater Monitoring at Chevron 1001654, 601 South Vail Ave., Montebello, CA

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Thank you,



Alex Stack
Blaine Tech Services, Inc.
Senior Project Manager

attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Wellhead Inspection Form

cc: Leidos
Attn: Steve Targanyan
590 West Central Ave., Suite 1
Brea, CA 92821

First Quarter 2015 Groundwater Monitoring at Chevron 1001654, 601 South Vail Ave., Montebello, CA

WELL GAUGING DATA

Project # 150213-NT1 Date 2/13/15 Client Chevron

Site 601 South Vail Ave., Montebello

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-01	1034	4					124.49	124.55	↓	
MW-03	1052	4				dry	118.10			
MW-04	1122	4				119.36	119.38			
MW-05	1132	4				dry	118.96			
MW-06	1110	4				dry	125.15			
MW-07	1130	4				124.53	124.71			
MW-08	0955	4				dry	123.12			
MW-09	1140	4				dry	118.05			
MW-10	1100	4				dry	118.66			
MW-12	1000	4				dry	115.91			
MW-13	0936	4				122.81	122.88			
MW-14	1213	4				dry	122.38			
MW-15	1044	4				dry	114.50			
MW-16	0945	4				dry	117.34			
MW-19	1107	4				130.81	130.91			
MW-20	1055	4				dry	129.29			
MW-21	1305	4				130.44	130.61			

WELL GAUGING DATA

Project # 150213-NT1 Date 2/13/15 Client Chevron

Site 601 South Vail Ave., Montebello

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-22	1105	4					130.03	130.33	↓	
MW-23			unable to access well due to new property owner							
MW-24	0951	4				dry	123.72			
RW-1	1324	6				127.12	127.43			
RW-2A	1233	4				130.26	130.52			
RW-3	1038	4				129.64	129.78			
RW-4	1015	4	odor			dry	129.62			
RW-5	1155	4				dry	127.16	↓		

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 150213 - NT 1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-01	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 124.55	Depth to Water: 124.49
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: -	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible <input checked="" type="checkbox"/> Watera <input checked="" type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Extraction Pump <input checked="" type="checkbox"/> Other: _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Extraction Port <input checked="" type="checkbox"/> Dedicated Tubing <input checked="" type="checkbox"/> Other: _____
--	--

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150212-NFL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-03	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 118.10	Depth to Water: dry
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]: —	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						well is dry
						no samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-04	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 119.38	Depth to Water: 119.36
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]:	

Purge Method:

- | | |
|---|---|
| <p>Bailer</p> <p>Disposable Bailer</p> <p>Positive Air Displacement</p> <p>Electric Submersible</p> | <p>Waterra</p> <p>Peristaltic</p> <p>Extraction Pump</p> <p>Other _____</p> |
|---|---|

Sampling Method:

- ~~Bailer~~
- ~~Disposable Bailer~~
- ~~Extraction Port~~
- ~~Dedicated Tubing~~

Other: _____

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

	(Gals.) X _____ = _____ Gals.	
1 Case Volume	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
		insufficient water to purge or sample				
		no samples taken				

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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
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CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 150213-NT1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-05	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 118.86	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVS</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Bailer
<input checked="" type="checkbox"/> Disposable Bailer
<input checked="" type="checkbox"/> Positive Air Displacement
<input checked="" type="checkbox"/> Electric Submersible | <input checked="" type="checkbox"/> Waterra
<input checked="" type="checkbox"/> Peristaltic
<input checked="" type="checkbox"/> Extraction Pump
<input type="checkbox"/> Other _____ |
|--|---|

Sampling Method:

- | | |
|--|---------------------------------------|
| <input checked="" type="checkbox"/> Bailer
<input checked="" type="checkbox"/> Disposable Bailer
<input checked="" type="checkbox"/> Extraction Port
<input checked="" type="checkbox"/> Dedicated Tubing | <input type="checkbox"/> Other: _____ |
|--|---------------------------------------|

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

_____ (Gals.) X _____	=	_____ Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						well is dry
						No samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: Sunny	Ambient Air Temperature: 82°F
Well I.D.: MW-06	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 125.15	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>RVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Disposible Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ Waterra ~~Peristaltic~~ Extraction Pump Other _____

Sampling Method: Bailer ~~Disposible Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~ Other: _____

_____ (Gals.) X _____ = _____ 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
		no	samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT 1	Station #: 1001054
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-07	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 124.71	Depth to Water: 124.53
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150212 - NCL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 82°F
Well I.D.: MW-08	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 123.12	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

	(Gals.) X			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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____	Sampling Time: _____	Depth to Water: _____
Sample I.D.: _____	Laboratory: Lancaster	Other: _____
Analyzed for: TPH-G BTEX MTBE OXYS	Other: _____	
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 #: 150213 - NCL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-09	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 118.05	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

_____ (Gals.) X _____ = _____ 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____
 Sample I.D.: _____ Laboratory: Lancaster Other: _____
 Analyzed for: TPH-G BTEX MTBE OXYS Other: _____
 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 #: 150213-N51	Station #: 1001654
Sampler: N	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 28 °F
Well I.D.: MW-10	Well Diameter: 2 3 4 6 8
Total Well Depth: 118.66	Depth to Water: dry
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]:	

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: _____

_____ (Gals.) X _____ = _____ 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150212 - NCL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-12	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 115.91	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

_____ (Gals.) X _____ = _____ 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT1	Station #: 1001654
Sampler: NT	Date: 2/12/15
Weather: sunny	Ambient Air Temperature: 58°F
Well I.D.: MW-13	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 122.88	Depth to Water: 122.81
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

- | | |
|---|--|
| <p>Bailer</p> <p>Disposable Bailer</p> <p>Positive Air Displacement</p> <p>Electric Submersible</p> | <p>Waterra</p> <p>Peristaltic</p> <p>Extraction Pump</p> <p>Other _____</p> |
|---|--|

Sampling Method:

- ~~Bailer~~
- ~~Disposable Bailer~~
- ~~Extraction Port~~
- ~~Dedicated Tubing~~

Other: _____

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

_____ (Gals.) X _____	=	_____ Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
		insufficient water		to purge	or sample	_____
		no samples		taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88 F
Well I.D.: MW-14	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 122.38	Depth to Water: dry
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____	=	_____ Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
		no	samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT 1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 82 °F
Well I.D.: MW-15	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 114.50	Depth to Water: dry
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>RVD</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

_____ (Gals.) X _____ = _____ Gals.
 I 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			no samples taken			

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150212 - NCL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-16	Well Diameter: 2 3 4 6 8
Total Well Depth: 117.34	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT 1	Station #: 1001054
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-19	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 130.91	Depth to Water: 130.81
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer <input checked="" type="checkbox"/> _____ Disposable Bailer <input checked="" type="checkbox"/> _____ Positive Air Displacement <input checked="" type="checkbox"/> _____ Electric Submersible <input checked="" type="checkbox"/> _____	Sampling Method: Bailer <input checked="" type="checkbox"/> _____ Disposable Bailer <input checked="" type="checkbox"/> _____ Extraction Port <input checked="" type="checkbox"/> _____ Dedicated Tubing <input checked="" type="checkbox"/> _____ Other: _____
--	--

(Gals.) X _____ = _____ 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Date: _____	Sampling Time: _____	Depth to Water: _____
Sample I.D.: _____	Laboratory: Lancaster Other _____	
Analyzed for: TPH-G BTEX MTBE OXYS Other: _____		
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 #: 150212 - NEL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 82°F
Well I.D.: MW-20	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 129.29	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

	(Gals.) X _____ = _____ Gals.	
I 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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:

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 150213 - NT1	Station #: 1001054
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-21	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 130.61	Depth to Water: 130.44
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT 1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-22	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 130.33	Depth to Water: 130.03
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

_____ (Gals.) X _____ = _____ 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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:

CHEVRON (SO. CAL) WELL MONITORING DATA SHEET

Project #: 150213-N1	Station #: 1001654
Sampler: M	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: MW-23	Well Diameter: 2 3 4 6 8 _____
Total Well Depth: -	Depth to Water: -
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]:	

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: _____

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

_____ (Gals.) X _____	=	_____ Gals.
I Case Volume	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						unable to access due to new property owner

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150212 - NCL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 98°F
Well I.D.: MW-24	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 123.72	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

	(Gals.) X _____ = _____ Gals.	
1 Case Volume	Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT 1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: RW-1	Well Diameter: 2 3 <u>4</u> <u>6</u> 8
Total Well Depth: 127.43	Depth to Water: 127.12
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT1	Station #: 1001054
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: RW-2A	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 130.52	Depth to Water: 130.26
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150213 - NT1	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: RW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 129.78	Depth to Water: 129.64
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						insufficient water to purge or sample
						No samples taken

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

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 #: 150212 - NCL	Station #: 1001654
Sampler: NT	Date: 2/12/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: RW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 129.62	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 #: 150212 - NCL	Station #: 1001654
Sampler: NT	Date: 2/13/15
Weather: sunny	Ambient Air Temperature: 88°F
Well I.D.: RW-5	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 127.16	Depth to Water: dry
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: _____

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

_____ (Gals.) X _____ = _____ Gals.
 I Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
			well is	dry		
			No samples	taken		

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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 2 / 13 / 15

Site Address 601 South Vail Ave., Montebello

Job Number 150213 - NT 1 Technician NT

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-01	X	X	X							
MW-03	X	X	X							
MW-04	X	X	X							
MW-05	X	X	X							
MW-06	X	X	X							
MW-07	X	X	X							
MW-08	X	X	X							
MW-09	X	X	X							
MW-10	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	X							
MW-19	X	X	X							
MW-20	X	X	X							
MW-21	X	X	X							

NOTES:

ATTACHMENT 4
PERJURY STATEMENT LETTER



Mike Bauer
Project Manager
Logistics West

**Chevron Environmental
Management Company**
Marketing Business Unit
145 S. State College Blvd.
Brea, CA 92821
Tel 714 671 3207
Fax 714 671 3440
mikebauer@chevron.com

VIA U.S. MAIL & EMAIL

April 15, 2015

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

Dear Mr. Crandall:

Attached is the submittal for the *First Quarter 2015 Semi-Annual Groundwater Monitoring Report*, dated April 15, 2015 for the Chevron Montebello Terminal, located at 601 S. Vail Avenue, Montebello, California (Cleanup and Abatement Order No. R4-2014-0194, SCP No. 0328, Site ID 2040102).

I, Mike Bauer, certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

This report was prepared by Leidos Engineering LLC, upon whose assistance and advice I have relied.

If you should have any further questions, please do not hesitate to contact me or the Leidos Project Manager, Mr. Steve Targanyan, at (714) 257-6407.

Very truly yours,

A handwritten signature in blue ink that reads "Mike Bauer".

Mike Bauer

cc: Steve Targanyan (Leidos)

PGT/CLSR

009853-009694



November 17, 2011

Mr. Tim Smith
Los Angeles County Department of Public Works
Environmental Programs Division – UST Unit
900 South Fremont Avenue
Annex Building 3rd Floor
Alhambra, CA 91803-1331

**Subject: Underground Storage Tank Removal Report
 Chevron Terminal No. 100-1654
 601 South Vail Avenue, Montebello, California
 Los Angeles County Department of Public Works Site-File No. 9853-9694**

Mr. Smith:

On behalf of Chevron Environmental Management Company (CEMC), SAIC Energy, Environment & Infrastructure, LLC (hereafter, SAIC), has prepared this report to summarize the results of the underground storage tank (UST) and piping removal activities performed from August 19 to September 23, 2010 and from December 8, 2010 to January 5, 2011 at Chevron Terminal No. 100-1654, located at 601 South Vail Avenue in Montebello, California (Plate 1).

SAIC observed the removal of one drain waste UST and associated piping under the supervision of Inspector Warren Watanabe of the Los Angeles County Department of Public Works (LACDPW). The scope of SAIC's work included:

- Providing South Coast Air Quality Management District (SCAQMD) Rule 1166 monitoring during excavation activities;
- Collecting soil samples during the UST and piping removal activities as directed by Inspector Watanabe;
- Submittal of soil samples for chemical analyses; and
- Preparing this report.

CORR # 699682

SITE DESCRIPTION

The site is located on South Vail Avenue between Flotilla Street and the Los Angeles and Salt Lake Railroad Co. right-of-way (ROW) in Montebello, California, and is an active products terminal. The site consists of an office building, maintenance yard, aboveground storage tanks (ASTs), underground storage tanks (USTs), a loading rack, gasoline additive stations, and associated aboveground and underground piping. The terminal is located on four parcels with an approximate area of 43 acres and has been in operation since approximately 1915. The active terminal is located on Parcel 1, commercial buildings are located on Parcels 2 and 3, and the Montebello Metrolink Station is located on Parcel 4. The terminal became a distributor of gasoline, gasoline additives, and diesel fuel in 1945. An underground crude-oil pipeline right-of-way traverses the terminal through which crude-oil was transferred from the Montebello oil fields to the Chevron refinery in El Segundo. A site vicinity map is provided as Plate 2.

A639624

GEOLOGY

The site is located within the eastern portion of the Montebello Plain of the larger Los Angeles Basin. Structural features in the area include the Rio Hondo Fault, approximately 2 miles east of the site. Geologic units below the site, from shallowest to deepest, include members of the upper Pleistocene Lakewood Formation and the lower Pleistocene San Pedro Formation. The Lakewood Formation is composed primarily of unconsolidated sand, silt, and clay (and mixtures thereof). These sediments unconformably overlie the lower Pleistocene San Pedro Formation composed primarily of coarser-grained sands and gravel along with marine deposits. Within the vicinity of the site, the Lakewood Formation is approximately 100 feet thick and the San Pedro Formation is approximately 625 feet thick (CDWR, 1961).

Soils observed during this investigative effort confirm those of previous site assessment activities. Previous subsurface investigations indicate that the site is underlain by inter layered silts and silty sands from the ground surface to 40 feet below ground surface (bgs), then clayey silts, silty sand, and sand layers to approximately 135 feet bgs.

HYDROGEOLOGY

The site is within the Montebello Forebay area of the larger Los Angeles Groundwater Basin. Within the basin, there are many thin, shallow, and discontinuous semi-perched water-bearing zones encountered within Recent-age sediments, along with regionally extensive aquifers within Pleistocene-age formations. The two major geologic formations within the basin that contain regionally extensive aquifers are the Pleistocene-age Lakewood and San Pedro Formations. Major aquifers within these formations in the vicinity of the site, from shallowest to deepest, include the Exposition and Gage Aquifers in the Lakewood Formation and the Hollydale/Jefferson, Lynwood, Silverado, and Sunnyside Aquifers in the San Pedro Formation. Aquifers within the Lakewood and San Pedro Formation are separated by unnamed aquicludes, except for the Bellflower Aquiclude within the Lakewood Formation.

The site is directly underlain by the Bellflower Aquiclude to approximately 10 feet bgs. The top of the Exposition Aquifer is approximately 10 feet bgs, and this aquifer is approximately 30 feet thick. The top of the Gage Aquifer is approximately 85 feet bgs, and this aquifer is approximately 30 feet thick. These aquifers are considered unimportant as producing aquifers because of their fine-grained nature and historically poor water quality.

The San Pedro Formation unconformably underlies these members of the Lakewood Formation. Within the site vicinity, the Hollydale and Jefferson Aquifers have merged, are approximately 125 feet bgs, and approximately 50 feet thick. The top of the Lynwood Aquifer is approximately 210 feet bgs and this aquifer is approximately 50 feet thick. The top of the Silverado Aquifer is approximately 260 feet bgs and this aquifer is approximately 110 feet thick. The top of the Sunnyside Aquifer is approximately 400 feet bgs and this aquifer is approximately 300 feet thick. Most of the groundwater extracted for beneficial use is pumped from the Sunnyside Aquifer because of its higher transmissivities and superior water quality.

Groundwater monitoring activities were initiated at the site in December 1989; however, quarterly monitoring was not initiated until approximately December 1993. The site is an open environmental case with the Los Angeles Regional Water Quality Control Board (SCP No. 0328, Site ID No. 2040102).

Currently, 19 groundwater monitoring wells (MW-01, MW-03 through MW-10, MW-12 through MW-16, MW-19 through MW-22, and RW-1) are installed onsite and offsite. The average depth to groundwater beneath the site is 100 feet, and the average groundwater elevation as of the 3rd quarter 2011 monitoring event was 84.44 feet above mean sea level. The most recent groundwater data can be found in the *3rd Quarter 2011 Semiannual Groundwater Monitoring and Progress Report* (SAIC, 2011).

UST REMOVAL ACTIVITIES

The UST removal activities were completed in an effort to improve the reliability and capability of the drain collection system, by installing a new replacement UST and associated piping located within the Piping Facilities and Pumps and Filters areas at the above referenced site. SAIC was not on site during the installation of the new replacement UST and associated piping. The removal activities for the UST are summarized in the attached Underground Storage Tank Removal Summary in Attachment A.

The UST and associate piping removal activities were conducted in a phased approach as follow:

- The first phase included the removal of one 12,000-gallon drain waste UST and associated piping within the Pipeline Facilities area of the terminal;
- The second phase included the removal of the open-atmosphere piping within the Pumps and Filters area of the terminal. The function of open-atmosphere piping is to collect hydrocarbon residue that may be released from transfer piping that runs from the above ground storage tanks to the truck fueling area.

UST and Associated Piping Removal

On September 2, 2010, Petro Builders, Inc. began removal of one 12,000-gallon drain waste UST. SAIC collected fourteen soil samples for laboratory analysis as directed by Petro Builders and the LACDPW. Two soil samples were collected from under the bottom of the UST excavation, at a depth of 23 feet bgs (TK-92E and TK-92W); and eight soil samples were collected directly beneath piping from the Pipeline Facilities area at depths of 2 to 5 feet bgs (TK-92-Piping-0, TK-92-Piping-20, TK-92-Piping-40, TK-92-Piping-60, TK-92-Piping-80NE, TK-92-Piping-80, TK-92-Piping-100NE, and TK-92-Piping-100). One additional sample, Sample-1, was collected near a footing in this area. A site plan showing the soil sampling locations is provided in Plate 3.

Open-Atmosphere Piping Removal

On December 8, 2010, Petro Builders began removal of open-atmosphere piping from the Pumps and Filters area. The trench was approximately 18 inches wide and ranged in depth from 2 to almost five feet bgs, in keeping with the grade of the piping. Soil samples were collected at approximately 20-foot intervals. Seven soil samples were collected directly beneath the piping within the Pumps and Filters Area at depths of 4 to 5 feet bgs (P-1 through P-7). A site plan showing the soil sampling locations is provided in Plate 3.

SCAQMD Rule 1166 Air Monitoring

SAIC provided environmental compliance assistance as required by SCAQMD Rule 1166 by conducting air monitoring for volatile organic compounds (VOCs) during the excavation and UST removal activities from August 19 to September 23, 2010 and from December 8, 2010 to January 5, 2011. Air monitoring was performed using a handheld PID calibrated with hexane in accordance with SCAQMD Rule 1166. Other than the two events described below, there were no PID readings above 50 parts per million by volume (ppmv).

On September 21, 2010 a VOC concentration greater than 999 ppmv was detected while excavating around a footing within the Pipeline Facilities area. The affected soil covered an area approximately 18 inches in diameter and was noted as being limited in extent; the depth was not specified. The affected soil was left in place because the piping did not extend in that direction. The SCAQMD was notified within 24 hours.

On December 14, 2010 a VOC concentration of 239 ppmv was detected while excavating the open atmosphere piping within the Pumps and Filters Area. The affected area was located approximately 60 feet from the southern terminus of the open atmosphere piping and was a four-foot long segment of the trench. Approximately one yard of soil was removed from this area. The soil was removed, stockpiled, and covered with plastic sheeting. The SCAQMD was notified within 24 hours. Copies of the SCAQMD Rule 1166 Monitoring Records are provided in Attachment B.

WASTE DISPOSAL AND HAZARDOUS WASTE CERTIFICATION

UST and Piping

One 12,000-gallon UST and associated piping were measured for interior atmospheric flammability and oxygen vapor concentrations and certified to be visually free from product, sludge, scale, rinsate, and debris by certified industrial hygienist Nancy Carraway on September 2, 2010. The UST was destroyed at Ecology Control Industries Inc. on September 2, 2010. A copy of the hazardous waste tank closure certification and the certificate of destruction for the UST are provided in Attachment C.

Soil

Approximately 261 cubic yards of soil were excavated and stockpiled on site during the first phase of activities, and approximately 92 cubic yards were excavated and stockpiled during the second phase of activities. The stockpiles were covered with visquene during their time on site. The soil stockpiles were sampled for waste characterization, removed from the site on July 21, 2011, transported as non-hazardous waste, and disposed of at Soil Safe in Adelanto, California. The soil waste manifests are presented as Attachment D.

Rinsate Water

Approximately 275 gallons of water were generated as rinsate to clean and decontaminate the UST and associated piping. The rinsate water was transported by Adams Services, Inc. (ASI) for disposal at Veolia ES Technical Solutions in Azusa, California. A copy of the rinsate water waste manifest is provided in Attachment E.

SOIL SAMPLING ANALYSES AND RESULTS

The two soil samples collected in the UST excavation and nine soil samples collected in the Pipeline Facilities area were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and the oxygenates methyl tertiary-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tertiary-amyl methyl ether (TAME), and tertiary-butyl alcohol (TBA) by U.S. EPA Method 8260B.

The seven soil samples collected from the associated open-atmosphere piping excavation within the Pumps and Filters area were analyzed for the compounds listed above, and for halogenated volatile organic compounds (HVOCs) by EPA Method 8260B, gasoline range organics (GRO), diesel range

organics (DRO), oil range organics (ORO), and extractable fuel hydrocarbons (EFH) by U.S. EPA Method 8015B.

TestAmerica Laboratories, Inc. (TestAmerica; California ELAP#2706) in Irvine, California, analyzed the soil samples. Chain-of-custody records and certified analytical reports from the laboratories are included as Attachment F.

UST Excavation

Results of laboratory analyses indicated no detectable concentrations of TPHg BTEX, or oxygenates above their respective method detection limits (MDLs) for the two soil samples collected from the UST excavation at a depth of 23 feet bgs.

Pipeline Facilities Area

Seven out of nine soil samples collected from the piping excavation within the Pipeline Facilities area had no detectable concentrations of TPHg, BTEX or oxygenates.

Two of the nine soil samples collected from Pipeline Facilities area had one or more detectable concentrations of petroleum hydrocarbons and halogenated volatile organic compounds. SampleTK-92-Piping-80, collected beneath the piping at a depth of three feet bgs had a single detection concentration of TPHg at 0.1 milligrams per kilogram (mg/kg). Soil sample Sample-1, collected at three feet bgs, had detections of GRO, DRO, ORO, EFH, TPHg, ethylbenzene, total xylenes, sec-butylbenzene, isopropylbenzene, n-isopropylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. The compound with the maximum concentration in Sample-1 was EFH, at 49 mg/kg. The compounds detected in this sample suggest the presence of a weathered gasoline and/or the presence of heavy petroleum hydrocarbons. Sample-1 was collected from the footing area that indicated elevated PID readings on September 21, 2010. The complete results of analyses for these samples are shown on Table 1.

Pumps and Filters Area

Six out of seven soil samples collected from the piping excavation within the Pumps and Filters area had no detectable concentrations of GRO, DRO, ORO, EFH, TPHg, BTEX, oxygenates or HVOCs. Sample P-4 was the only sample in this area that indicated detectable concentrations of GRO, TPHg, BTEX and HVOCs. The compound with the maximum concentration in P-4 was TPHg, at 2.9 mg/kg. Sample P-4 was collected from the open-atmosphere piping trench segment that indicated elevated PID readings on December 14, 2010. The complete results of analyses for these samples are shown on Table 1.

Laboratory results above the method detection limit, but below the detection limit for reporting were flagged with a letter "J" by the laboratory and may not be considered quantitative. Laboratory method blanks associated with the soil samples did not contain GRO, DRO, ORO, EFH, TPHg, BTEX compounds, oxygenates, or HVOC compounds.

SUMMARY

SAIC observed and documented the removal of one 12,000-gallon drain waste UST and associated piping in September through December 2010 at Chevron Terminal No. 100-1654, located at 601 South Vail Avenue in Montebello, California.

- The site is currently an open environmental case with the Los Angeles Regional Water Quality Control Board (SCP No. 0328, Site ID No. 2040102).
- SAIC conducted SCAQMD Rule 1166 vapor monitoring during the removal of the UST and piping. Two vapor exceedances occurred; in both cases SCAQMD was notified within 24 hours and the excavated affected soil was stockpiled and covered until it was removed from the site.
- Petro Builders removed one 12,000-gallon drain waste UST and associated piping. The UST was certified for disposal by an industrial hygienist, and was disposed at Ecology Control Industries in Richmond, California. The piping was disposed at the McKittrick Waste Treatment Site in McKittrick, California, and the tank rinsate was disposed at Veolia Technical Solutions in Azusa, California.
- Soil samples collected from beneath the former UST indicated no detectable concentrations of petroleum hydrocarbons.
- Soil samples collected from the piping trench in the Pipeline Facilities area indicated no detectable concentrations of petroleum hydrocarbons, with two exceptions, samples TK-Piping-80 and Sample-1. The minor TPHg detection in sample TK-Piping-80 is not significant.
- The detections in sample Sample-1 in the Pipeline Facilities area indicate a range of petroleum hydrocarbons and HVOCs possibly indicative of weathered gasoline and heavier petroleum hydrocarbons. Minor releases to shallow soil are not uncommon at active terminal facilities as a result of the operations performed there. The low concentrations detected in this sample do not warrant further investigation.
- Soil samples collected from the open atmosphere piping trench in the Pumps and Filters area indicated no detectable concentrations of petroleum hydrocarbons, with one exception, sample P-4. Sample P-4 indicated minor detections of GRO, TPHg, BTEX and HVOCs. The affected soil in this area was excavated and removed from the site.
- No further investigation is recommended.

The Los Angeles Department of Public Works Closure Report Requirements Form is included as Attachment G.

Mr. Tim Smith
Los Angeles County Department of Public Works
Chevron Terminal No. 100-1654
100-1654 – Underground Storage Tank Removal Report
LACDPW Site-File No. 9853-9694

November 17, 2011
Page 7 of 8


If you have any questions, please contact Ms. Caryl Sheehan, the SAIC Acting Project Manager, at (916) 979-3836, or the CEMC Project Manager, Mr. Daniel Carrier at (714) 671-3371.

Sincerely,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION



Caryl F. Sheehan
Acting Project Manager



T. Michael Pendergrass
Sr. Principal Geologist P.G. 5685



Enclosures

Plate 1 – Site Location Map
Plate 2 – Site Vicinity Map
Plate 3 – Site Plan Showing Limits of Underground Storage Tank Limits and Soil Sampling Locations

Table 1 – Analytical Laboratory Results for Soil Samples

Attachment A – Underground Storage Tank Removal Summary
Attachment B – SCAQMD Rule 1166 Monitoring Records
Attachment C – UST and Piping Waste Manifests, Certificates of Destruction, and Closure Certifications
Attachment D – Soil Waste Manifests
Attachment E – Rinsate Water Waste Manifest
Attachment F – Analytical Laboratory Reports and Chain of Custody Records
Attachment G – The Los Angeles Department of Public Works Closure Report Requirements Form

cc: Mr. Daniel Carrier, CEMC
Mr. John Porsley, Chevron (CD-ROM)
Mr. Fiaz Mohamed, Chevron
Mr. Greg Crandall, LARWQCB
SAIC Project File

LIMITATIONS

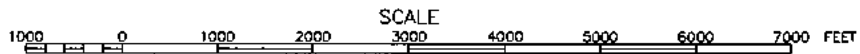
- This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and that SAIC Energy, Environment & Infrastructure, LLC (SAIC) shall have no responsibility or liability for the consequences thereof.
- Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. SAIC has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.
- Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.
- Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of SAIC's site visits or site work and cannot be applied to conditions and features of which SAIC is unaware and has not had the opportunity to evaluate.
- All sources of information on which SAIC has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied upon by SAIC in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.

REFERENCES

California Department of Water Resources. (CDWR). 1961. Bulletin No. 104, Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County. June.

Science Applications International Corporation (SAIC). 2011. *3rd Quarter 2011 Groundwater Monitoring and Progress Report, Chevron Terminal No. 100-1654, 601 South Vail Avenue, Montebello, California, SCP No. 0328, Site ID No. 2040102, September 22.*

PLATES



Chevron Environmental Management Company
 CHEVRON MONTEBELLO TERMINAL NO. 100-1854
 801 SOUTH VAIL AVENUE
 MONTEBELLO, CALIFORNIA

SITE LOCATION MAP

DRAWN	HDS	CHECKED	APPROVED	PLATE NO.
DATE	03/11	DATE	DATE	1
JOB NO.	25011B085A	FILE NO.	SITE LOCATION MAP	

SAIC

REFERENCE: USGS 7.5-MINUTE QUADRANGLE, EL MONTE, CALIFORNIA

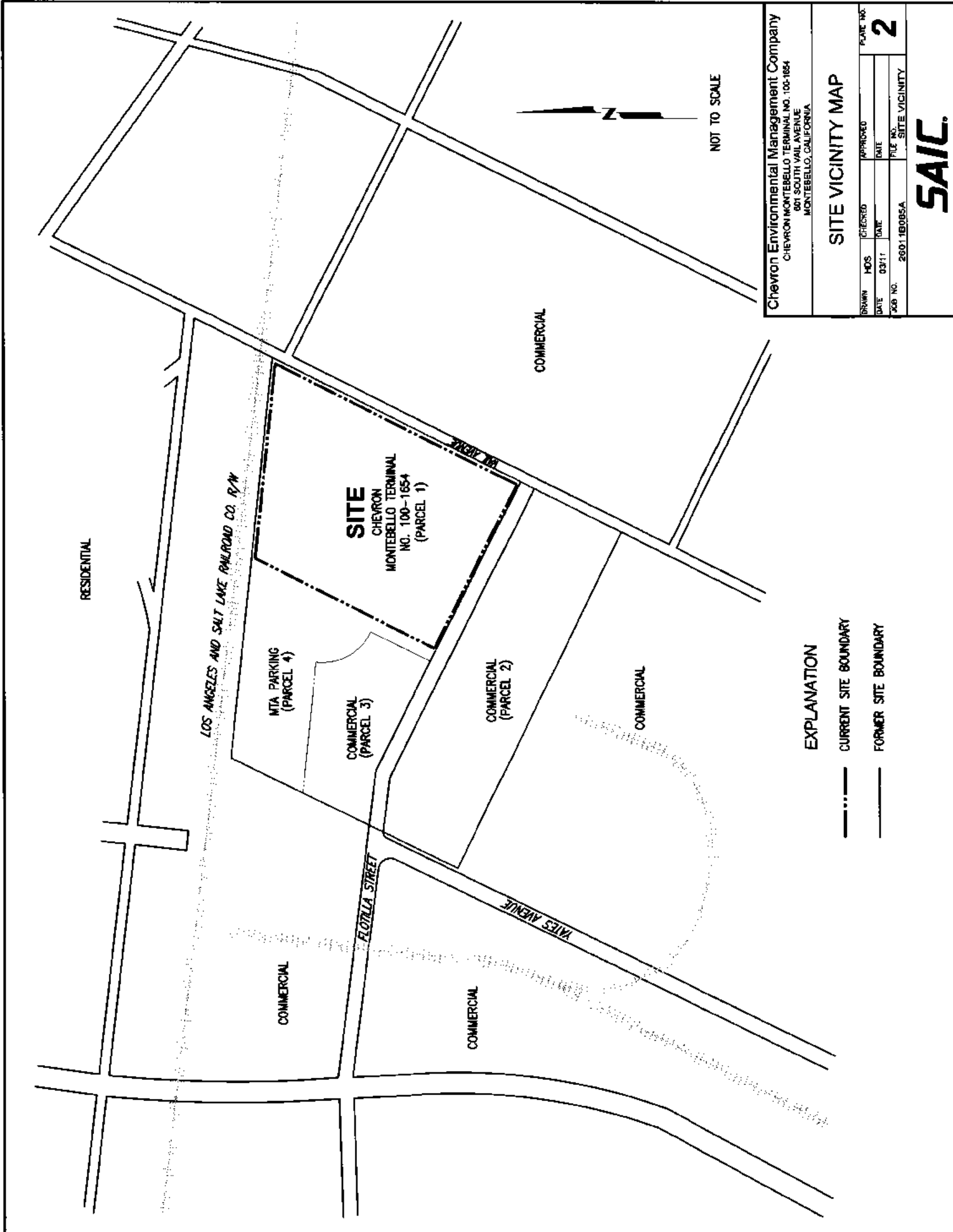
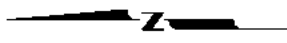
Chevron Environmental Management Company
 CHEVRON MONTEBELLO TERMINAL NO. 100-1654
 901 SOUTH VAIL AVENUE
 MONTEBELLO, CALIFORNIA

SITE VICINITY MAP

DRAWN	HDS	CHECKED	APPROVED	PLANE NO.
DATE	03/11	DATE	DATE	2
JOB NO.	26011B005A	FILE NO.	FILE NO.	



NOT TO SCALE

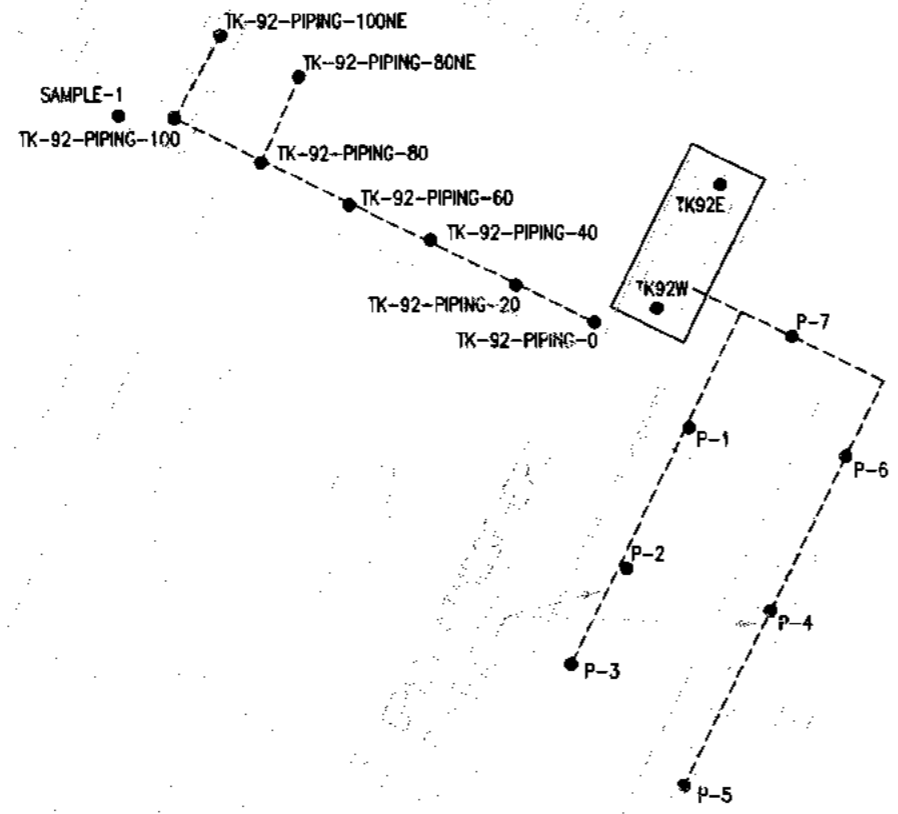


EXPLANATION

- CURRENT SITE BOUNDARY
- _____ FORMER SITE BOUNDARY

FILE: X:\Drafting\100-1654\FIGURE\B1654-027.dwg [Layout]

PARCEL 1



EXPLANATION

- SAMPLE LOCATION
- ▭ UNDERGROUND STORAGE TANK EXCAVATION AREA
- REMOVED PIPING

NOTES:

- 1) TANK PIT SAMPLES TK92E AND TK92W WERE TAKEN AT 23' BELOW GROUND SURFACE (BGS).
- 2) PIPING SAMPLES FROM THE PIPELINE FACILITIES AREA WERE TAKEN AT THE FOLLOWING DEPTH:
 - TK-92-PIPING-0:-(5 FEET BGS.)
 - TK-92-PIPING-20:-(5 FEET BGS.)
 - TK-92-PIPING-40:-(5 FEET BGS.)
 - TK-92-PIPING-60:-(5 FEET BGS.)
 - TK-92-PIPING-80:-(5 FEET BGS.)
 - TK-92-PIPING-100:-(3 FEET BGS.)
 - TK-92-PIPING-80NE:-(5 FEET BGS.)
 - TK-92-PIPING-100NE:-(2 FEET BGS.)
 - SAMPLE-1:-(3 FEET BGS.)
- 3) OPEN-ATMOSPHERE SAMPLES FROM THE PRODUCT PUMP AND FILTER AREA WERE TAKEN AT THE FOLLOWING DEPTH:
 - P1 -(5 FEET BGS.)
 - P2 -(4 FEET BGS.)
 - P3 -(4 FEET BGS.)
 - P4 -(4 FEET BGS.)
 - P5 -(4 FEET BGS.)
 - P6 -(5 FEET BGS.)
 - P7 -(5 FEET BGS.)



Scale 0 25 50 feet

Chevron Environmental Management Company
 CHEVRON MONTEBELLO TERMINAL FACILITY NO. 100-1654
 601 SOUTH VAIL AVENUE
 MONTEBELLO, CALIFORNIA

SITE PLAN SHOWING UNDERGROUND STORAGE TANK AND PIPING EXCAVATION AND SOIL SAMPLING LOCATIONS

DRAWN	HDS	CHECKED	APPROVED	PLATE NO.
DATE	11/11	DATE	DATE	3
JOB NO.	46010BR094-P10-010		FILE NO.	
			B1654-027	



TABLE

Table 1. Analytical Laboratory Results for Soil Samples
Chevron Terminal No. 100-1654
601 South Vail Avenue, Montebello, California

Field Point Name	Date Sampled	Depth (ft bgs)	U.S. EPA Method 8015M (mg/kg)				U.S. EPA Method 8260B (mg/kg)																	
			GRO (C4-C12)	DRO (C13-C22)	ORO (C23-C40)	EFH (C13-C40)	TPHg (C4-C12)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DIPE	ETBE	TAME	TBA	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Isopropylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	
UST Excavation																								
TK-92E	9/2/2010	23	--	--	--	--	ND<0.046	ND<0.00039	ND<0.00039	ND<0.00039	ND<0.0010	ND<0.00077	ND<0.00039	ND<0.00045	ND<0.00049	ND<0.0077	--	--	--	--	--	--	--	--
TK-92W	9/2/2010	23	--	--	--	--	ND<0.051	ND<0.00043	ND<0.00043	ND<0.00043	ND<0.0011	ND<0.00085	ND<0.00043	ND<0.00049	ND<0.00055	ND<0.0085	--	--	--	--	--	--	--	--
Pipeline Facilities Area																								
TK-92-Piping-0	9/14/2010	5	--	--	--	--	ND<0.048	ND<0.00040	ND<0.00040	ND<0.00040	ND<0.001	ND<0.00080	ND<0.00040	ND<0.00047	ND<0.00051	ND<0.080	--	--	--	--	--	--	--	--
TK-92-Piping-20	9/14/2010	5	--	--	--	--	ND<0.068	ND<0.00064	ND<0.00064	ND<0.00064	ND<0.017	ND<0.0013	ND<0.00064	ND<0.00074	ND<0.00081	ND<0.013	--	--	--	--	--	--	--	--
TK-92-Piping-40	9/14/2010	5	--	--	--	--	ND<0.054	ND<0.00045	ND<0.00045	ND<0.00045	ND<0.012	ND<0.00091	ND<0.00045	ND<0.00053	ND<0.00058	ND<0.091	--	--	--	--	--	--	--	--
TK-92-Piping-60	9/14/2010	5	--	--	--	--	ND<0.052	ND<0.00043	ND<0.00043	ND<0.00043	ND<0.011	ND<0.00086	ND<0.00043	ND<0.00050	ND<0.00055	ND<0.086	--	--	--	--	--	--	--	--
TK-92-Piping-80NE	9/15/2010	5	--	--	--	--	ND<0.052	ND<0.00044	ND<0.00044	ND<0.00044	ND<0.011	ND<0.00087	ND<0.00044	ND<0.00051	ND<0.00056	ND<0.087	--	--	--	--	--	--	--	--
TK-92-Piping-80	9/16/2010	3	--	--	--	--	0.1	ND<0.00041	ND<0.00041	ND<0.00041	ND<0.011	ND<0.00083	ND<0.00041	ND<0.00048	ND<0.00053	ND<0.083	--	--	--	--	--	--	--	--
TK-92-Piping-100NE	9/16/2010	2	--	--	--	--	ND<0.057	ND<0.00047	ND<0.00047	ND<0.00047	ND<0.012	ND<0.00095	ND<0.00047	ND<0.00055	ND<0.00061	ND<0.095	--	--	--	--	--	--	--	--
TK-92-Piping-100	9/16/2010	3	--	--	--	--	ND<0.047	ND<0.00039	ND<0.00039	ND<0.00039	ND<0.010	ND<0.00079	ND<0.00039	ND<0.00046	ND<0.00050	ND<0.079	--	--	--	--	--	--	--	--
Sample-1	9/23/2010	3	31	6.0	43	49	40	ND<30	ND<29	0.43	1.07	--	--	--	--	--	0.033 J	0.084 J	ND<0.043	ND<0.072	0.32 J	2.2	0.94	
Pump and Filter Area																								
P-1	12/10/2010	5	ND<0.12	ND<3.5	ND<3.5	ND<3.5	ND<0.053	ND<0.00044	ND<0.00044	ND<0.00044	ND<0.00071	ND<0.00088	ND<0.00044	ND<0.00051	ND<0.00057	ND<0.0088	ND<0.00059	ND<0.00048	ND<0.00064	ND<0.00097	ND<0.00054	ND<0.00069	ND<0.00056	ND<0.00078
P-2	12/10/2010	4	ND<0.13	ND<3.5	ND<3.5	ND<3.5	ND<0.074	ND<0.00062	ND<0.00062	ND<0.00062	ND<0.00099	ND<0.0012	ND<0.00062	ND<0.00071	ND<0.00079	ND<0.012	ND<0.00083	ND<0.00067	ND<0.00089	ND<0.0014	ND<0.00075	ND<0.00096	ND<0.00078	ND<0.00078
P-3	12/10/2010	4	ND<0.13	ND<3.5	ND<3.5	ND<3.5	ND<0.056	ND<0.00046	ND<0.00046	ND<0.00046	ND<0.00074	ND<0.00093	ND<0.00046	ND<0.00054	ND<0.00059	ND<0.0093	ND<0.00062	ND<0.00050	ND<0.00067	ND<0.0010	ND<0.00056	ND<0.00072	ND<0.00058	ND<0.00058
P-4	12/15/2010	4	2	ND<3.5	ND<3.5	ND<3.5	2.9	0.0027	0.0074	0.0016	0.095	ND<0.00079	ND<0.00040	ND<0.00046	ND<0.00051	ND<0.0079	0.0024 J	0.0037	0.0023	0.016	0.0079	0.14	0.0038	ND<0.00048
P-5	12/15/2010	4	ND<0.12	ND<3.5	ND<3.5	ND<3.5	ND<0.046	ND<0.00038	ND<0.00038	ND<0.00038	ND<0.00061	ND<0.00076	ND<0.00038	ND<0.00044	ND<0.00049	ND<0.0076	ND<0.00051	ND<0.00041	ND<0.00055	ND<0.00084	ND<0.00046	ND<0.00059	ND<0.00048	ND<0.00048
P-6	12/15/2010	5	ND<0.11	ND<3.5	ND<3.5	ND<3.5	ND<0.051	ND<0.00042	ND<0.00042	ND<0.00042	ND<0.00068	ND<0.00085	ND<0.00042	ND<0.00049	ND<0.00054	ND<0.0085	ND<0.00057	ND<0.00046	ND<0.00061	ND<0.00093	ND<0.00052	ND<0.00066	ND<0.00053	ND<0.00053
P-7	12/16/2010	5	ND<0.12	ND<3.5	ND<3.5	ND<3.5	ND<0.047	ND<0.00039	ND<0.00039	ND<0.00039	ND<0.001	ND<0.00078	ND<0.00039	ND<0.00045	ND<0.00050	ND<0.0078	ND<0.00052	ND<0.00042	ND<0.00056	ND<0.00086	ND<0.00047	ND<0.00061	ND<0.00049	ND<0.00049

Notes:
Detected concentrations are shown in **BOLD**
All samples were analyzed by Test America Analytical Testing Corporation, Irvine, CA
U.S. EPA - United States Environmental Protection Agency
Not all constituents detected in one or more samples are included in this table. See Appendix C for complete analytical results.
Not all analytical results for disposal purposes are included in this table. See Appendix C for a complete results.
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
ORO - Oil Range Organics
EFH - Extractable Fuel Hydrocarbons
TPHg - Total Petroleum Hydrocarbons as gasoline
MTBE - Methyl tertiary-butyl ether
DIPE - Di-isopropyl ether
ETBE - Ethyl tertiary-butyl ether
TAME - Tertiary amyl-methyl ether
TBA - Tertiary-butyl alcohol
ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
J - Estimated value between the method detection limit (MDL) and the detection limit for reporting
ND< - Not detected above the MDL; value shown is the MDL
the detection limit for reporting
ND< - Not detected above the MDL; value shown is the MDL

ATTACHMENT A

UNDERGROUND STORAGE TANK REMOVAL SUMMARY

UNDERGROUND STORAGE TANK REMOVAL SUMMARY

GENERAL INFORMATION

Site	Chevron Terminal No. 100-1654		
Address	601 South Vail Avenue, Montebello, California		
Status of Site	<input type="checkbox"/> Abandoned	<input checked="" type="checkbox"/> Operating	<input type="checkbox"/> Reconstruction
Removed Facilities	<input type="checkbox"/> Fuel USTs <input type="checkbox"/> Used-Oil UST	<input checked="" type="checkbox"/> Drain Waste UST <input type="checkbox"/> Hoists	<input checked="" type="checkbox"/> Associated Drainage Piping <input type="checkbox"/> Clarifier
Excavation/Sampling Date(s)	9/2/2010, 9/14/2010, 9/15/2010, 9/16/2010, 9/20/2010, 9/23/2010; and 12/10/2010, 9/16/2010, and 1/4/2011		

UST REMOVAL INFORMATION

The USTs and product piping were emptied of their contents. The USTs and product piping were cleaned, and additionally, the USTs were degassed and dry ice was added prior to excavation by Adam Services, Inc. (ASI). The excavated USTs and product piping were transported by ASI to Siemens Water Technologies Corporation, located in Los Angeles, CA.

UST	Removal Date	U.L.#	Composition Material	Capacity (Gallon)	Contents	Condition
TI	9/2/2010	Not Mible	Double-Wall Steel	12,000	Drain Waste	Good
Piping Type	<input checked="" type="checkbox"/> fiberglass <input type="checkbox"/> steel <input type="checkbox"/> double-walled <input type="checkbox"/> single-walled <input type="checkbox"/> not applicable/not removed					
UST Manifest Number(s)	004202917 JJK					
Piping Manifest Number	695253					
Rinsate Manifest Number	694648					
UST/Piping Disposal Location	Ecology Control Industries					
Rinsate Disposal Location	Veolia ES Technical Solutions					

PERSONNEL ONSITE DURING UST/PIPING CLEANING/REMOVAL OPERATIONS

UST Agency	Los Angeles County Department of Public Works
UST Inspector	Inspector Warren Watanabe
UST Cleaning/Transportation Contractor	Adams Service, Inc.
Construction Contractor	Petro Builders, Inc.
Chevron Project Manager	Mr. Daniel Carrier

SOIL SAMPLING INFORMATION

Soil samples were collected by grab method, labeled, sealed, recorded on a chain-of-custody document, placed on ice, and sent to a state of California certified hazardous testing laboratory.

Soil Samples Collected By	Walid Makhlof (SAIC), Ryan Teoxon (SAIC) and Greg Collins (SAIC)		
State Certified Laboratory	TestAmerica Laboratories, Irvine, CA		
Soil Sample Container	<input checked="" type="checkbox"/> Encore Sampling aliquots <input checked="" type="checkbox"/> Glass Jars/Teflon sheets		
# of Soil Samples Collected:	Soil Samples Analyzed for:		EPA Method
2	UST	<input checked="" type="checkbox"/> Gasoline range organics (GRO), diesel range organics (DRO), oil range organics (ORO)	8015M
9	Associated Drainage Piping	<input checked="" type="checkbox"/> Extractable fuel hydrocarbons (EFH)	8015M
7	Associated Open-Atmosphere Drainage Piping	<input checked="" type="checkbox"/> Total petroleum hydrocarbons, as gasoline (TPHg), Benzene, toluene, ethyl benzene, total xylenes(BTEX)	8260B
3	Soil Stockpiles (for disposal only) (September 2010)	<input checked="" type="checkbox"/> Methyl tertiary-butyl ether (MTBE), other fuel oxygenates, halogenated volatile organic compounds (HOCs)	8260B
2	Soil Stockpiles (for disposal only) (January 2011)	<input checked="" type="checkbox"/> Title 22 metals, total threshold limit concentration (TTLC), soluble threshold limit concentration (STLC), and CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay	8260B
23	Total		

ATTACHMENT B

SCAQMD RULE 1166 MONITORING RECORDS

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS INC.	Site Name / Station No. CHEVRON TERMINAL 100-1654	Sheet 1 of
Mitigation Plan No: 511254	Address 601 S. VAIL AVE. City MONTEBELLO, CA	Date 8/19/10
MONITORING PERSONNEL	OVA MODEL/TYPE	COVERED STOCKPILE INSPECTION
Name RYAN TEOXON	Brand / Model MINIRAE 2000	Not Applicable ___ Intact ___ Repaired ___
Phone (626) 393-2858	Type P.I.D.	
SCAQMD REFERENCE NUMBERS	CALIBRATION INFORMATION	EXCAVATION SUMMARY
SCAQMD Contract CONTRACTOR ID # 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) ~ 15
Chevron Contract	Date / Time 8/17/10 1700	Estimated Total Cubic Yards (to date) ~ 15
Reference Number 250901	Calibration By ASHTEND RENTALS	Estimated Total Cubic Yards Removed (to date) ~ 15 stacked - on site

VOC Concentration (PPMV) @ Excavated Load				Comment	VOC Concentration (PPMV) @ Excavated Load				Comment
TIME	Reading	Hexane Factor	Adjusted Reading		TIME	Reading	Hexane Factor	Adjusted Reading	
Every 15 min.					Every 15 min.				
0745	0.0	-	0.0	SE CORNER PIT	1415	0.0	-	0.0	" STOP EXCAV.
0800	0.0	-	0.0	SOUTH SIDE PIT					
0815	0.0	-	0.0	" STOP EXCAV.					
0845	0.0	-	0.0	RESUME @ SOUTH SIDE PIT					
0900	0.0	-	0.0	"					
0915	0.0	-	0.0	"					
0930	0.0	-	0.0	"					
0945	0.0	-	0.0	" STOP EXCAV.					
1000	0.0	-	0.0	"					
1015	0.0	-	0.0	" STOP EXCAV.					
1145	0.0	-	0.0	RESUME @ SOUTH SIDE PIT					
1200	0.0	-	0.0	"					
1215	0.0	-	0.0	SW CORNER PIT					
1230	0.0	-	0.0	"					
1245	0.0	-	0.0	"					
1300	0.0	-	0.0	" STOP EXCAV.					
1400	0.0	-	0.0	RESUME @ SW CORNER PIT					

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: RT

DATE: 8/19/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS INC.	Site Name / Station No. CHEVRON TERMINAL 100-1654	Sheet 1 of 1
Mitigation Plan No: 511254	Address 601 S VAIL AVE.	City MONTEBELLO CA
Date 8/23/10		
MONITORING PERSONNEL	NOVA MODEL / TYPE	COVERED STOCKPILE INSPECTION
Name JEVEE TAGARAO	Brand / Model MINIRAE 2000	Not Applicable ___ Intact ___ Repaired ___
Phone (714) 292-7474	Type PID	
SCAQMD REFERENCE NUMBERS	CALIBRATION INFORMATION	EXCAVATION SUMMARY
SCAQMD Contract CONTRACTOR ID # 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) ~50
Chevron Contract	Date / Time 8/23/10 7:30	Estimated Total Cubic Yards (to date) ~85
Reference Number 250901	Calibration By LIGHTHEAD RENTALS	Estimated Total Cubic Yards Removed (to date) ~85

Stock Piled on site

TIME		VOC Concentration (PPMV) @ Excavated Load			TIME		VOC Concentration (PPMV) @ Excavated Load		
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
7:30	0.0	-	0.0	SE OF PIT	13:00	0.0	-	0.0	SW OF PIT
7:45	0.0	-	0.0	SE OF PIT	13:15	0.0	-	0.0	" " "
8:00	0.0	-	0.0	SE OF PIT	14:00	0.0	-	0.0	" " "
8:15	0.0	-	0.0	SE OF PIT	14:15	1.1	-	0.0	" " "
8:30	0.0	-	0.0	SE OF PIT	14:30	0.2	-	0.0	" " "
8:45	0.0	-	0.0	E OF PIT	14:45	0.0	-	0.0	" " "
9:00	0.0	-	0.0	E OF PIT	15:00	0.0	-	0.0	" " "
9:15	0.0	-	0.0	" " "	15:15	0.4	-	0.0	" " "
9:30	0.0	-	0.0	" " "	15:30	0.2	-	0.0	" " "
9:45	0.0	-	0.0	" " "	15:45	0.8	-	0.0	W OF PIT
10:00	0.0	-	0.0	" " "	16:00	0.0	-	0.0	W OF PIT
11:00	0.0	-	0.0	" " "					
11:45	0.0	-	0.0	" " "					
12:00	0.0	-	0.0	" " "					
12:15	0.0	-	0.0	" " "					
12:30	0.0	-	0.0	" " "					
12:45	0.7	-	0.0	" " "					

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: _____

[Handwritten Signature]

DATE: _____

8/23/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS	Site Name / Station No. CHEVRON TERMINAL 100-1054	Sheet 1	of 1
Mitigation Plan No: 511254	Address 601 S VAIL AVE.	City MUNTEBELLO CA	Date 8/24/10
MONITORING PERSONNEL	OVA MODEL / TYPE	COVERED STOCKPILE INSPECTION	
Name JEFF TAGARAO	Brand / Model MINIRAE 2000	Not Applicable ___ Intact ___ Repaired ___	
Phone (714) 292-7474	Type PID		
SCAQMD REFERENCE NUMBERS	CALIBRATION INFORMATION	EXCAVATION SUMMARY	
SCAQMD Contract CONTRACTOR ID# 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page)	~50
Chevron Contract	Date / Time 8/24/10	Estimated Total Cubic Yards (to date)	~135
Reference Number 250901	Calibration By ASHTEAD RENTALS	Estimated Total Cubic Yards Removed (to date)	~135

Stocked up on oil

VOC Concentration (PPMV) @ Excavated Load				TIME	VOC Concentration (PPMV) @ Excavated Load				TIME
Every 15 min.	Reading	Hexane Factor	Adjusted Reading		Comment	Every 15 min.	Reading	Hexane Factor	
7:15	0.0	-	0.0	W OF PIT	12:45	0.0	-	0.0	N OF PIT
7:30	0.0	-	0.0	" " "	13:30	0.0	-	0.0	" " "
7:45	0.0	-	0.0	" " "	13:45	0.0	-	0.0	" " "
8:00	0.0	-	0.0	" " "	14:00	0.0	-	0.0	" " "
8:15	0.0	-	0.0	" " "	14:15	0.0	-	0.0	MANNHOLE EXTRACTOR
8:30	0.0	-	0.0	" " "	14:30	0.0	-	0.0	" " "
8:45	0.0	-	0.0	" " "	14:45	0.0	-	0.0	" " "
9:00	0.0	-	0.0	" " "	15:00	0.0	-	0.0	" " "
9:15	0.0	-	0.0	" " "	15:15	0.0	-	0.0	STORAGE AREA
9:30	0.0	-	0.0	NW OF PIT					
9:45	0.0	-	0.0	NW OF PIT					
10:00	0.0	-	0.0	" " "					
11:15	0.0	-	0.0	" " "					
11:30	0.0	-	0.0	N OF PIT					
12:00	0.0	-	0.0	" " "					
12:15	0.0	-	0.0	" " "					
12:30	0.0	-	0.0	" " "					

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SIGNATURE: DATE: 8/24/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders inc	Site Name / Station No. Chevron Terminal 100-1654 Mantoloking	Sheet 1 of 1
Mitigation Plan No: 511254	Address 601 S. Vail Ave City Mantoloking	Date 8/31/10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name Walid Makhlouf	Brand / Model Mini Rae 2000	Not Applicable ___ Intact ___ Repaired ___
Phone (14) 305-9894	Type PID	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract Contractor ID# 061093	Gas / Concentration 50 Hexan	Estimated Total Cubic Yards (this page) 10.
Chevron Contract	Date / Time 8/17/10 1700	Estimated Total Cubic Yards (to date) 195 145 m³
Reference Number 250901	Calibration By Ashtead Rentals	Estimated Total Cubic Yards Removed (to date) 195 145 m³

stock pile on site

TIME		VOC Concentration (PPMV) @ Excavated Load			Comment	TIME		VOC Concentration (PPMV) @ Excavated Load			Comment
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Every 15 min.		Reading	Hexane Factor	Adjusted Reading			
12:10	0.0	-	-	center of pit							
12:20	0.0	-	-	" stop							
13:05	0.0	-	-								
13:30	0.0	-	-	center							
13:45	0.0	-	-	west part							
14:20	0.0	-	-	West Part							
14:30	0.0	-	-	West Part							
14:40	0.0	-	-	west							
				Stop. all gravel was removed and placed within the ramp							

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Walid Makhlouf

DATE: 8/31/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: <u>Petro Builders</u>	Site Name / Station No. <u>Chevron Terminal</u>	Sheet <u>1</u> of <u>1</u>
Mitigation Plan No: <u>511254</u>	Address <u>601 S. Vail Ave</u> City <u>Montebello</u>	Date <u>9/1/10</u>
MONITORING PERSONNEL	IOVA MODEL / TYPE	COVERED STOCKPILE INSPECTION
Name <u>Walid Makhlouf</u>	Brand / Model <u>Mini Rae 2000</u>	Not Applicable <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Repaired <input type="checkbox"/>
Phone <u>(714) 305-9894</u>	Type <u>PID</u>	
SCAQMD REFERENCE NUMBERS	CALIBRATION INFORMATION	EXCAVATION SUMMARY
SCAQMD Contract <u>C. #061093</u>	Gas / Concentration <u>Hexan 50PPM</u>	Estimated Total Cubic Yards (this page) <u>50</u>
Chevron Contract	Date / Time <u>9/1/10 6:20</u>	Estimated Total Cubic Yards (to date) <u>195</u>
Reference Number <u>250901</u>	Calibration By <u>Walid Makhlouf</u>	Estimated Total Cubic Yards Removed (to date) <u>195 stacked on site</u>

VOC Concentration (PPMV) @ Excavated Load				Comment	VOC Concentration (PPMV) @ Excavated Load				Comment
TIME	Reading	Hexane Factor	Adjusted Reading		TIME	Reading	Hexane Factor	Adjusted Reading	
7:40	0.0	-	-		13:25	0.0	-	-	
7:55	0.0				14:00	0.0			
8:10	0.0				14:40	0.0			
8:20	0.0				14:25	0.0			
8:35	0.0				14:40	0.0			
9:10	0.0				14:50	0.0			
9:25	0.0				15:10	0.0			
9:35	0.0				15:25	0.0			
9:50	0.0				16:00	0.0			
10:00	0.0				16:45	0.0			
10:15	0.0			10:35 stop lunch	17:00	0.0			
11:30	0.0				17:30	0.0			
12:05	0.0				17:45	0.0			
12:20	0.0								Stop for day tank exposure complete
12:35	0.0								
12:50	0.0								
13:00	0.0								

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SIGNATURE: Walid Makhlouf

DATE: 9/1/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS INC.	Site Name / Station No. CHEVRON TERMINAL NO. 100-1654	Sheet 1 of 1
Mitigation Plan No: 511254	Address 601 S VAIL AVE. MONTEBELLO, CA	Date 9/13/10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name RYAN TEXON	Brand / Model MINIRAE 2000	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone (626) 393-2858	Type P.I.D.	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract CONTRACT ID #061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) ~ 5
Chevron Contract	Date / Time 9/13/10 0600	Estimated Total Cubic Yards (to date) ~ 220
Reference Number 250901	Calibration By RT	Estimated Total Cubic Yards Removed (to date) ~ 220 STOCKED ON SITE

VOC Concentration (PPMV) @ Excavated Load				Comment	VOC Concentration (PPMV) @ Excavated Load				Comment
TIME	Reading	Hexane Factor	Adjusted Reading		TIME	Reading	Hexane Factor	Adjusted Reading	
Every 15 min.					Every 15 min.				
	0.0	-	-	@ START OF PIPELINE					
	0.9	-	-	"					
	0.9	-	-	"					
	0.4	-	-	"					
	0.1	-	-	"					
	0.0	-	-	"					
	0.3	-	-	"					
	0.0	-	-	"					
	0.0	-	-	"					
				STOP					

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: RT DATE: 9/13/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS INC.	Site Name / Station No. CHEVRON TERMINAL NO. 100-1654	Sheet 1 of 1
Mitigation Plan No. 511254	Address 601 S. VAIL AVE. City MONTEBELLO, CA	Date 9/14/10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name RYAN TEXON	Brand / Model MINIRAE 2000	Not Applicable ___ Intact ___ Repaired ___
Phone (626) 393-2858	Type P.I.D.	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract CONTRACT ID # 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) ~ 20
Chevron Contract	Date / Time 9/14/10 0600	Estimated Total Cubic Yards (to date) ~ 240
Reference Number 250901	Calibration By RT	Estimated Total Cubic Yards Removed (to date) ~ 240 STOCK PILES ON SITE

TIME		VOC Concentration (PPMV) @ Excavated Load			TIME		VOC Concentration (PPMV) @ Excavated Load		
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0915	0.0	-	-	@ TRENCH RUN	1130	0.0	-	-	"
0930	0.0	-	-	"	1445	0.0	-	-	"
0945	0.0	-	-	" STOP TO OFFLOAD ¹⁵⁰⁰	0.0	-	-	-	" STOP
1015	0.0	-	-	@ TRENCH RUN					
1030	0.0	-	-	@ TRENCH RUN					
1045	0.0	-	-	"					
1100	0.0	-	-	" STOP LUNCH					
1145	0.0	-	-	@ TRENCH RUN					
1200	0.0	-	-	"					
1215	0.0	-	-	"					
1230	0.0	-	-	"					
1300	0.0	-	-	"					
1315	0.2	-	-	"					
1330	0.1	-	-	"					
1345	0.0	-	-	"					
1400	0.0	-	-	"					
1415	0.0	-	-	"					

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SIGNATURE: DATE: 9/14/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS INC.	Site Name / Station No. CHEVRON TERMINAL NO. 100-1654	Sheet 1 of 1
Mitigation Plan No: 511254	Address 601 S. VAIL AVE. City MONTEBELLO, CA	Date 9/5/10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name RYAN TEOXON	Brand / Model MINIRAE 2000	Not Applicable ___ Intact ___ Repaired ___
Phone (626) 393-2858	Type P.I.D	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract CONTRACT ID# 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) ~ 2
Chevron Contract	Date / Time 9/5/10 0730	Estimated Total Cubic Yards (to date) ~ 242
Reference Number 250901	Calibration By RT	Estimated Total Cubic Yards Removed (to date) ~ 242 STOCK PILED ON SITE

TIME					TIME				
VOC Concentration (PPMV) @ Excavated Load					VOC Concentration (PPMV) @ Excavated Load				
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0815	0.0	-	-	TRUCK LINE STARTING @ 60 FT. W					
0830	0.0	-	-	"					
0845	0.0	-	-	"					
0900	0.0	-	-	"					
0915	0.0	-	-	"					
0930	0.0	-	-	"					
0945	0.0	-	-	"					
1000	0.0	-	-	"					
1015	0.0	-	-	"					
1030	0.0	-	-	" STOP					
1130	0.0	-	-	RESUMED SAME POINT					
1145	0.0	-	-	" STOP					
1215	0.0	-	-	RESUME					
1230	0.0	-	-	"					
1245	0.0	-	-	"					
1300	0.0	-	-	"					
1315	0.0	-	-	" STOP					

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SIGNATURE: _____

RP

DATE: _____

9/5/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS INC.	Site Name / Station No. CHEVRON TERMINAL NO. 100-1654	Sheet 1 of 1
Mitigation Plan No: 511254	Address 601 S. VAIL AVE. City MONTEBELLO CA	Date 9/16/10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name RYAN TEOLON	Brand / Model MINIRAE 2000	Not Applicable ___ Intact ___ Repaired ___
Phone (626) 393-2858	Type P.I.D.	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract CONTRACT ID # 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) ~ 2
Chevron Contract	Date / Time 9/16/10 0730	Estimated Total Cubic Yards (to date) ~ 244
Reference Number 250901	Calibration By RT	Estimated Total Cubic Yards Removed (to date) ~ 244 STOCK PILE ON SITE

TIME	VOC Concentration (PPMV) @ Excavated Load				TIME	VOC Concentration (PPMV) @ Excavated Load			
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0830	0.0	-	-	PIPELINE ~ 90 FT. DOWN RVN	1445	0.0	-	-	"
0845	0.6	-	-	"	1500	0.0	-	-	"
0900	0.0	-	-	"	1515	0.0	-	-	"
0915	0.0	-	-	"	1530	0.0	-	-	"
0930	0.0	-	-	" STOP					
1130	0.0	-	-	PIPELINE ~ 90 FT. DOWN RVN					
1145	0.0	-	-	"					
1200	0.0	-	-	"					
1215	0.0	-	-	"					
1230	0.0	-	-	"					
1245	0.0	-	-	"					
1300	0.0	-	-	"					
1315	0.0	-	-	"					
1330	0.0	-	-	"					
1400	0.0	-	-	"					
1415	0.0	-	-	"					
1430	0.0	-	-	"					

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SIGNATURE:

DATE: 9/16/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: <i>Petro Builders Inc</i>	Site Name/ Station No. <i>Chevron Terminal # 100-1654</i>	Sheet <i>1</i> of <i>1</i>
Mitigation Plan No: <i>211254</i>	Address <i>601 S. Vail Ave Mantebello Ca</i>	Date <i>9/20/10</i>
MONITORING PERSONNEL		
Name <i>Walid Makhlouf</i>	Brand / Model <i>Mini Rae</i>	Not Applicable ___ Intact ___ Repaired ___
Phone <i>(714) 257-6417</i>	Type <i>PIP</i>	
SCAQMD REFERENCE NUMBERS		
SCAQMD Contract <i>Contract ID# 061093</i>	Gas / Concentration <i>Hex 100</i>	Estimated Total Cubic Yards (this page) <i>15</i>
Chevron Contract	Date / Time <i>9/20/10 6:45</i>	Estimated Total Cubic Yards (to date) <i>259</i>
Reference Number <i>250901</i>	Calibration By <i>WM</i>	Estimated Total Cubic Yards Removed (to date) <i>259 stored on site</i>

VOC Concentration (PPMV) @ Excavated Load					VOC Concentration (PPMV) @ Excavated Load				
TIME	Reading	Hexane Factor	Adjusted Reading	Comment	TIME	Reading	Hexane Factor	Adjusted Reading	Comment
Every 15 min.					Every 15 min.				
1:45	0.0	-	-		13:55	0.0			
8:00	0.0				13:10	0.0			
8:07	0.0				14:25	0.0			
8:15	0.0				14:40	0.0			
8:30	0.0				14:55	0.0			stop / Jackhammer
8:45	0.0				15:20	0.0			
9:00	0.0				15:35	0.0			
9:15	0.0				15:50	0.0			stop of the day
9:20	0.0								
9:35	0.0								
9:50	0.0								
10:10	0.0								
10:20	0.0			stop for lunch					
11:05	0.0								
11:20	0.0								
11:35	5.6			stop / Break Asphalt					
12:10	0.0								

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SIGNATURE: *Walid Makhlouf* DATE: *9/20/10*

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders INC	Site Name / Station No. CHEVRON TERMINAL # 100-1654	Sheet 9 of 12
Mitigation Plan No: 511254	Address 601 S. VAIL AVE City MONTEBELLO	Date 12-9-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name Greg Collins	Brand / Model MINIRAE 2000 R9565	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone (562) 754-8524	Type PHOTOIONIZATION DETECTOR PID	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) 10
Chevron Contract	Date / Time 12/9/10 0555 Bump tested GC	Estimated Total Cubic Yards (to date) 10
Reference Number 262573	Calibration By ASHTARO RENTALS 12-7-10	Estimated Total Cubic Yards Removed (to date) 0

VOC Concentration (PPMV) @ Excavated Load				Comment	VOC Concentration (PPMV) @ Excavated Load				Comment
TIME	Reading	Hexane Factor	Adjusted Reading		TIME	Reading	Hexane Factor	Adjusted Reading	
0730	0.0	-	-	SOUTH END OF WESTERN PIPE	1230	0.0	-	-	
0745	0.0	-	-		1245	0.0	-	-	
0800	0.0	-	-	1300	0.0	-	-		
0815	0.0	-	-	1315	0.0	-	-		
0830	0.0	-	-	1326	0.0	-	-	STOP FOR DAY	
0845	0.0	-	-						
0900	0.0	-	-						
0915	0.0	-	-						
0930	0.0	-	-						
0945	0.0	-	-						
1000	0.0	-	-	STOP FOR LUNCH					
1100	0.0	-	-	RESUME					
1105	0.0	-	-						
1130	0.0	-	-						
1145	0.0	-	-						
1200	0.0	-	-						
1215	0.0	-	-						

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SIGNATURE

DATE:

12-9-10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: PETRO BUILDERS INC	Site Name / Station No. CHEVRON TERMINAL NO. 100-1654	Sheet 2 of 12
Mitigation Plan No: 511254	Address 601 SWAIL AVENUE City MONTEBELLO CA	Date 12-10-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name GREG COLLINS	Brand / Model MINI RAE 2000 PID R9565	Not Applicable ___ Intact ___ Repaired ___
Phone (562) 754-8524	Type PID	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract CONTRACT ID# 061093	Gas / Concentration 100 PDM HEXANE	Estimated Total Cubic Yards (this page) 10
Chevron Contract	Date / Time 12/10/10 0545	Estimated Total Cubic Yards (to date) 20
Reference Number 262573 250904	Calibration By GREG COLLINS	Estimated Total Cubic Yards Removed (to date) 0

VOC Concentration (PPMV) @ Excavated Load				Comment	VOC Concentration (PPMV) @ Excavated Load				Comment
TIME	Reading	Hexane Factor	Adjusted Reading		TIME	Reading	Hexane Factor	Adjusted Reading	
Every 15 min.					Every 15 min.				
0645	0.0	-	-	South end of eastern piping	1205	0.0	-	-	
0700	0.0	-	-		1220	0.0	-	-	
0715	0.0	-	-		1235	0.0	-	-	
0730	0.0	-	-		1250	0.0	-	-	
0745	0.0	-	-						
0800	0.0	-	-						
0815	0.0	-	-						
0830	0.0	-	-						
0845	0.0	-	-						
0900	0.0	-	-						
0915	0.0	-	-						
0930	0.0	-	-						
0945	0.0	-	-						
1000	0.0	-	-	STOP FOR LUNCH					
1120	0.0	-	-	RESUME					
1135	0.0	-	-						
1250	0.0	-	-						

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SIGNATURE: DATE: 12-10-10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders INC	Site Name / Station No. CHEVRON Terminal No. 100-1654	Sheet 3 of 12
Mitigation Plan No: 511254	Address 601 S. VAIL AVE City Montebello	Date 12-13-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name GREG COLLINS	Brand / Model Mini Rae 2000 R9565	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone (562) 754-8524	Type PHOTO IONIZATION DETECTOR	
SCAQMD REFERENCE NUMBERS		EXCAVATION SUMMARY
SCAQMD Contract 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) 10
Chevron Contract	Date / Time 12/13/2010 0512	Estimated Total Cubic Yards (to date) 30
Reference Number 262573	Calibration By Greg Collins	Estimated Total Cubic Yards Removed (to date) 0

VOC Concentration (PPMV) @ Excavated Load				Comment	VOC Concentration (PPMV) @ Excavated Load				Comment
TIME	Reading	Hexane Factor	Adjusted Reading		TIME	Reading	Hexane Factor	Adjusted Reading	
0800	0.0	-	-	SOUTH END OF EASTERN PIPE	1255	0.0	-	-	
0815	0.0	-	-		1310	0.0	-	-	
0830	0.0	-	-		1320	0.0	-	-	water breaks
0845	0.0	-	-		1340	0.0	-	-	RESUME EXCAVATING
0900	0.0	-	-		1355	0.0	-	-	
0915	0.0	-	-		1410	0.0	-	-	
0930	0.0	-	-		1425	0.0	-	-	
0945	0.0	-	-		1440	0.0	-	-	
1000	0.0	-	-		1455	0.0	-	-	
1008	0.0	-	-	STOPPED FOR Lunch	1510	0.0	-	-	
1110	0.0	-	-	RESUME	1525	0.0	-	-	
1125	0.0	-	-		1532	0.0	-	-	STOP FOR DAY
1140	0.0	-	-						
1155	0.0	-	-						
1210	0.0	-	-						
1225	0.0	-	-						
1240	0.0	-	-						

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SIGNATURE:

DATE: 12/13/2010

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Perro Builders Inc	Site Name / Station No: CHEVRON TERMINAL 100-1654	Sheet 4 of 12
Mitigation Plan No: 511254	Address: 601 S VAIL AVE City: MONTEBELLO	Date: 12-14-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name: GREG COLLINS	Brand / Model: Mini RAE 2000	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone: (562) 754-8524	Type: Photo Ionization Detector	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract: 061093	Gas / Concentration: 100 PPM HEXANE	Estimated Total Cubic Yards (this page): 10
Chevron Contract:	Date / Time: 12/11/10 0520	Estimated Total Cubic Yards (to date): 40
Reference Number: 262573	Calibration By: Greg Collins	Estimated Total Cubic Yards Removed (to date): 0

TIME				VOC Concentration (PPMV) @ Excavated Load				TIME				VOC Concentration (PPMV) @ Excavated Load			
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	
0705	0.0	—	—	CONTINUE EASTSIDE	1145	0.0	—	—							
0720	0.0	—	—		1200	0.0	—	—							
0735	239	—	—		1215	0.0	—	—							
0740	45.1	—	—		1230	0.0	—	—							
0745	32.3	—	—		1245	0.0	—	—							
0752	38.2	—	—		1300	0.0	—	—							
0800	25.4	—	—		1315	0.0	—	—							
0815	23.9	—	—		1330	0.0	—	—							
0840	0.0	—	—		1345	0.0	—	—							
0855	0.0	—	—		1400	0.0	—	—							
0910	0.0	—	—		1415	0.0	—	—							
0925	0.0	—	—		1430	0.0	—	—							
0940	0.0	—	—		1445	0.0	—	—							
0955	0.0	—	—	STOP For Lunch	1500	0.0	—	—							
1100	0.0	—	—	RESUME	1515	0.0	—	—							
1115	0.0	—	—		1525	0.0	—	—						STOP FOR DAY	
1130	0.0	—	—												

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SIGNATURE: _____

DATE: _____

12-14-10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders Inc	Site Name / Station No. Chevron Terminal No 100-1654	Sheet 5 of 12
Mitigation Plan No: 511254	Address 601 S. Vail Avenue City Marnebello	Date 12-15-10
MONITORING PERSONNEL		NOVA MODEL / TYPE
Name Greg Collins	Brand / Model Muni Roe 2000 R9565	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone (662) 754-8524	Type Photo Ionization Detector	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract 061093	Gas / Concentration 100 PPM Hexane	Estimated Total Cubic Yards (this page) 12
Chevron Contract	Date / Time 12/15/10 0522	Estimated Total Cubic Yards (to date) 52
Reference Number 262573	Calibration By Greg Collins	Estimated Total Cubic Yards Removed (to date) 0

TIME	VOC Concentration (PPMV) @ Excavated Load			TIME	VOC Concentration (PPMV) @ Excavated Load				
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0705	0.0	—	—	EAST PILE CONT.	1205	0.0	—	—	
0720	0.0	—	—		1220	0.0	—	—	
0735	0.0	—	—		1235	0.0	—	—	
0750	0.0	—	—		1250	0.0	—	—	
0805	0.0	—	—		1305	0.0	—	—	
0820	0.0	—	—		1320	0.0	—	—	
0835	0.0	—	—		1335	0.0	—	—	
0850	0.0	—	—		1350	0.0	—	—	
0905	0.0	—	—		1405	0.0	—	—	
0920	0.0	—	—		1420	0.0	—	—	
0935	0.0	—	—		1435	0.0	—	—	
0950	0.0	—	—		1450	0.0	—	—	
1005	0.0	—	—	STEP For Lunch	1505	0.0	—	—	
1105	0.0	—	—		1520	0.0	—	—	
1120	0.0	—	—		1520	0.0	—	—	STEP For DAY
1135	0.0	—	—	MIDDLE PILE					
1150	0.0	—	—						

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SIGNATURE: _____

DATE: _____

12-15-10

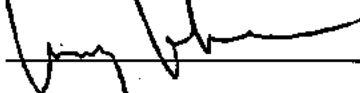
SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders Inc	Site Name / Station No. CHEVRON TERMINAL NO. 100-1654	Sheet 6 of 12
Mitigation Plan No. 511254	Address 601 S. VAL AVE City MONTEBELLO, CA	Date 12-16-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name GREG COLLINS	Brand / Model MINI RAE 2000 RA965	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone (562) 754-8524	Type PHOTO IONIZATION DETECTOR	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) 12
Chevron Contract	Date / Time 12/16/10 0510	Estimated Total Cubic Yards (to date) 64
Reference Number 262573	Calibration By Greg Collins	Estimated Total Cubic Yards Removed (to date)

TIME		VOC Concentration (PPMV) @ Excavated Load			Comment	TIME		VOC Concentration (PPMV) @ Excavated Load			Comment
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Every 15 min.		Reading	Hexane Factor	Adjusted Reading			
0725	0.0	—	—	MIDDLE PILING	1225	0.0	—	—			
0740	0.0	—	—		1240	0.0	—	—			
0755	0.0	—	—		1255	0.0	—	—			
0810	0.0	—	—		1310	0.0	—	—			
0825	0.0	—	—		1325	0.0	—	—			
0840	0.0	—	—		1340	0.0	—	—			
0855	0.0	—	—		1355	0.0	—	—			
0910	0.0	—	—		1410	0.0	—	—			
0925	0.0	—	—		1425	0.0	—	—			
0940	0.0	—	—		1440	0.0	—	—			
0955	0.0	—	—		1455	0.0	—	—	STOP FOR DAY		
1000	0.0	—	—	STOP FOR LUNCH							
1110	0.0	—	—	START							
1125	0.0	—	—								
1140	0.0	—	—								
1155	0.0	—	—								
1210	0.0	—	—								

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SIGNATURE:  DATE: 12-16-10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders Inc.	Site Name / Station No. Chevron Terminal NO.	Sheet 7 of 12
Mitigation Plan No: 511254	Address 601 S. VAIL Avenue City Montebello	Date 12-28-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name GREG COLLINS	Brand / Model MINI RAE 200 - R11046	Not Applicable ___ Intact ___ Repaired ___
Phone (562) 754-8524	Type PHOTO IONIZATION DETECTOR	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) 8
Chevron Contract	Date / Time 12/28/10 0535	Estimated Total Cubic Yards (to date) 6672
Reference Number 262573	Calibration By GREG COLLINS	Estimated Total Cubic Yards Removed (to date) 0

TIME		VOC Concentration (PPMV) @ Excavated Load			TIME		VOC Concentration (PPMV) @ Excavated Load		
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0640	0.0				1135	0.0			
0655	0.0				1150	0.0			
0710	0.0				1205	0.0			
0725	0.0				1220	0.0			
0740	0.0				1235	0.0			
0755	0.0				1250	0.0			
0810	0.0				1305	0.0			
0825	0.0				1320	0.0			
0840	0.0				1335	0.0			
0855	0.0				1350	0.0			
0910	0.0				1405	0.0			
0925	0.0				1420	0.0			
0940	0.0				1435	0.0			
0955	0.0				1450	0.0			
1005	0.0			STOP FOR LUNCH	1500	0.0			STOP FOR DAY
1105	0.0			START					
1120	0.0								

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements observed and recorded during the excavation process.

SIGNATURE: _____

DATE: _____

12-28-10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders Inc	Site Name / Station No. CHEVRON TERMINAL No. 100-1654	Sheet 8 of 12
Mitigation Plan No: 511254	Address 601 S. VAIL AVE MONTEBELLO CA	Date 12-30-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name Greg Collins	Brand / Model MINIRAE 2000 R11046	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone 562-754-8524	Type PHOTO IONIZATION DETECTOR	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract 061093	Gas / Concentration 100 PPM Hexane	Estimated Total Cubic Yards (this page) 5
Chevron Contract	Date / Time 12-30-10 / 1:0745	Estimated Total Cubic Yards (to date) 65 77
Reference Number 262573	Calibration By Greg Collins	Estimated Total Cubic Yards Removed (to date) 0

TIME		VOC Concentration (PPMV) @ Excavated Load			TIME		VOC Concentration (PPMV) @ Excavated Load		
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0900	0.0	-	-	Western Pipe	1355	0.0	-	-	
0915	0.0	-	-		1410	0.0	-	-	
0930	0.0	-	-		1425	0.0	-	-	
0945	4.3	-	-		1440	0.0	-	-	
1000	0.0	-	-		1455	0.0	-	-	
1005	0.0	-	-	STOP FOR LUNCH	1501	0.0	-	-	STOP FOR DAY
1110	0.0	-	-	START					
1125	0.0	-	-						
1140	0.0	-	-						
1155	0.0	-	-						
1210	0.0	-	-						
1225	0.0	-	-						
1240	0.0	-	-						
1255	0.0	-	-						
1310	0.0	-	-						
1325	0.0	-	-						
1340	0.0	-	-						

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: _____

DATE: _____

12-30-10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders Inc	Site Name / Station No: Chevron Terminal No. 100-1654	Sheet 9 of 12
Mitigation Plan No: 511234	Address: 601 S. VAIL AVE City: MONTEBELLO	Date: 12-31-10
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name: Greg Collins	Brand / Model: Mini RAC 2000 R1046	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone: (562) 754-8524	Type: Photo Ionization Detector	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract: 061093	Gas / Concentration: 100 PPM Hexane	Estimated Total Cubic Yards (this page): 4
Chevron Contract:	Date / Time: 12-31-10 0515	Estimated Total Cubic Yards (to date): 69 81
Reference Number: 262373	Calibration By: Greg Collins	Estimated Total Cubic Yards Removed (to date): 0

VOC Concentration (PPMV) @ Excavated Load				Comment	VOC Concentration (PPMV) @ Excavated Load				Comment
TIME	Reading	Hexane Factor	Adjusted Reading		TIME	Reading	Hexane Factor	Adjusted Reading	
0645	0.0			Western Pipe	1125	0.0			
0700	0.0				1140	0.0			
0715	0.0				1155	0.0			STOP FOR DAY
0730	0.0								
0745	0.0								
0800	0.0								
0815	0.0			Middle Pipe					
0830	0.0								
0845	0.0								
0900	0.0								
0915	0.0								
0930	0.0								
0945	0.0								
1000	0.0								
1005	0.0			STOP Break For lunch					
1055	0.0			START					
1110	0.0								

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: *Greg Collins*

DATE: 12/31/10

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petto Builders, Inc	Site Name / Station No. Chevron Terminal No. 100-1654	Sheet 10 of 12
Mitigation Plan No: 511254	Address 601 S. VAIL AVE Montebello, CA	Date 1-3-11
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name GREG COLLINS	Brand / Model Mini. RAE 2000 RI1046	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone (562) 754 8524	Type PHOTO IONIZATION DETECTOR	
SCAQMD REFERENCE NUMBERS		CALIBRATION INFORMATION
SCAQMD Contract	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) 1
Chevron Contract	Date / Time 1-3-11 0520	Estimated Total Cubic Yards (to date) 70 82
Reference Number 262573	Calibration By Greg Collins	Estimated Total Cubic Yards Removed (to date) 0

TIME		VOC Concentration (PPMV) @ Excavated Load			TIME		VOC Concentration (PPMV) @ Excavated Load		
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0710	0.0								
0725	0.0								
0740	0.0								
0755	0.0								
0810	0.0								
0825	0.6								
0840	0.0								
0855	0.0								
0905	0.0			STEP FOR DAY					

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE:

DATE: 1/3/11

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders INC	Site Name / Station No. CHEVRON Terminal No 100-1654	Sheet 11 of 12
Mitigation Plan No: 511254	Address 601 S. VAIL AVENUE City MONTEBELLO, CA	Date 1-4-11
MONITORING PERSONNEL		COVERED STOCKPILE INSPECTION
Name Greg Collins	Brand / Model MINI RAE 2000 - R11046	Not Applicable <input type="checkbox"/> Intact <input type="checkbox"/> Repaired <input type="checkbox"/>
Phone (562) 754-8524	Type PHOTO IONIZATION DETECTOR	
SCAQMD REFERENCE NUMBERS		EXCAVATION SUMMARY
SCAQMD Contract 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) 7
Chevron Contract	Date / Time 1/4/11 0510	Estimated Total Cubic Yards (to date) 77 89
Reference Number 262573	Calibration By Greg Collins	Estimated Total Cubic Yards Removed (to date) 0

TIME		VOC Concentration (PPMV) @ Excavated Load			TIME		VOC Concentration (PPMV) @ Excavated Load		
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment	Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Comment
0735	0.0			Middle Trench	1220	0.0			
0750	0.0				1235	0.0			
0805	0.0				1250	0.0			
0820	0.0				1305	0.0			
0835	0.0				1320	0.0			
0850	0.0				1335	0.0			
0905	0.0				1350	0.0			
0920	0.0				1405	0.0			
0935	0.0				1420	0.0			
0950	0.0				1435	0.0			
1005	0.0				1450	0.0			
1015	0.0			STOP For lunch	1505	0.0			
1105	0.0			START	1509	0.0			
1125	0.0								
1135	0.0								
1150	0.0								
1205	0.0								

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: _____

DATE: 1/4/2011

SCAQMD RULE 1166 MONITORING DATA SHEET



Company ID: Petro Builders INC	Site Name / Station No. Chevron Terminal NO 100-1654	Sheet 12 of 12
Mitigation Plan No: 511254	Address 601 S VAIL AVE Montebello	Date 1-5-11
MONITORING PERSONNEL	OVA MODEL / TYPE	COVERED STOCKPILE INSPECTION
Name Greg Collins	Brand / Model MINI RAE 2000 - R11046	Not Applicable ___ Intact ___ Repaired ___
Phone (562) 754-8524	Type PHOTO IONIZATION DETECTOR	
SCAQMD REFERENCE NUMBERS	CALIBRATION INFORMATION	EXCAVATION SUMMARY
SCAQMD Contract 061093	Gas / Concentration 100 PPM HEXANE	Estimated Total Cubic Yards (this page) 3
Chevron Contract	Date / Time 1-5-11 0515	Estimated Total Cubic Yards (to date) 90 92
Reference Number 262573	Calibration By Greg Collins	Estimated Total Cubic Yards Removed (to date) 0.

TIME		VOC Concentration (PPMV) @ Excavated Load			Comment	TIME		VOC Concentration (PPMV) @ Excavated Load			Comment
Every 15 min.	Reading	Hexane Factor	Adjusted Reading	Every 15 min.		Reading	Hexane Factor	Adjusted Reading			
0730	0.0			Middle Trench							
0745	0.0										
0800	0.0										
0815	0.0										
0830	0.0										
0845	0.0										
0900	0.0										
0915	0.0										
0930	0.0										
0945	0.0										
1000	0.0										
1015	0.0			STEP FOR LUNCH							
1115	0.0			START							
1130	0.0										
1145	0.0			STOP FOR DAY							

I certify that the information contained in this document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within the Mitigation Plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: _____

DATE: _____

1-5-11

ATTACHMENT C

**UST AND PRODUCT PIPING WASTE MANIFESTS,
CERTIFICATES OF DESTRUCTION, AND
CLOSURE CERTIFICATION**

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAT080010838	2. Page 1 of 1	3. Emergency Response Phone 800 231-0623	4. Manifest Tracking Number 004202917 JJK
---	---	--------------------------	--	---

5. Generator's Name and Mailing Address CHEVRON PRODUCTS; Waste Tracking Desk P. O. BOX 6004 SAN RAMON, CA 94583	Generator's Site Address (if different than mailing address) CHEVRON #1001654 601 S. VAIL AVE. MONTEBELLO, CA 90640
Generator's Phone: 925 842-5931 Attn: KATHY MORRIS	

6. Transporter 1 Company Name ADAMS SERVICES, INC.	U.S. EPA ID Number CARD00189431
7. Transporter 2 Company Name	U.S. EPA ID Number

8. Designated Facility Name and Site Address ECOLOGY CONTROL, INDUSTRIES 255 PARR BLVD. RICHMOND, CA 94801	U.S. EPA ID Number CAD 009466 392
Facility's Phone: 510 235-1393	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1	NON-SCRA HAZARDOUS WASTE SOLID EMPTY STORAGE TANK	1	TP	9	T	512		
2								
3								

14. Special Handling Instructions and Additional Information
WEAR PROPER PPE WHEN HANDLING. HEIGHTS AND VOLUMES ARE APPROXIMATE **ECI JOB #52T4146** **TANK #34105**

15. GENERATOR'S/OFFICER'S CERTIFICATION: I hereby declare that the contents of this manifest are fully and accurately described above by the proper shipping name, hazard class, packaging, marked and labeled (if required), and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this manifest conform to the limits of the hazardous waste identification of the United States. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: **Juan De Luna** Signature: *[Signature]* Month Day Year: **9 12 10**

16. International Shipments: Import to U.S. Export from U.S. Part of manifest: _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [Signature]	Signature: <i>[Signature]</i>	Month Day Year: 9 12 10
Transporter 2 Printed/Typed Name:	Signature:	Month Day Year:

18. Discrepancy

8a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

8b. Alternate Facility (or Generator): _____ Manifest Reference Number: _____ U.S. EPA ID Number: _____

Facility's Phone: _____

8c. Signature of Alternate Facility (or Generator): _____ Month Day Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. 8/129	2.	3.	4.
-----------------	----	----	----

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: **SHON SPENCE** Signature: *[Signature]* Month Day Year: **9 8 10**

OR
GEN
TRANSPORTER
DESIGNATED FACILITY

CERTIFICATE
CERTIFIED SERVICES COMPANY
255 Parr Boulevard · Richmond, California 94801
Phone # 510-235-1393

CUSTOMER: CHEVRON PRODUCTS

JOB NO: 52T4144

GENERATOR: CHEVRON # 1001654
601 S. VAIL AVE MONTEBELLO CA. 90640

FOR: ECOLOGY CONTROL INDUSTRIES **TANK NO.:** 34105

LOCATION: RICHMOND **DATE:** 08/20/2010

LAST PRODUCT: DIESEL **TEST METHOD:** VISUAL GASTECH/1314 SMPN

This is to certify that I have personally determined that this is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE: 12000 GALLONS **CONDITION:** SAFE FOR FIRE

REMARKS:

OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES

HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED

AND THEREFORE, DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.

ECOLOGY CONTROL INDUSTRIES HAS THE APPROPRIATE PERMITS FOR AND HAS ACCEPTED

THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) in the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE

TITLE

INSPECTOR

Tank Processing JOB # 52T4142
TANK CERTIFICATION

***** PART 1 - To be completed by the Customer*****

CUSTOMER: CHEV #1001654 Tank GENERATOR: CHEVRON PRODUCTS State Waste Codes: 512

LOCATION: MONTEBELLO EPA I.D.#: CAT 080010838 EPA Waste Codes: _____

TRANSPORTER: ADAMS SERVICES INC MANIFEST #: 004202917 JSK

	TANK 1	TANK 2	TANK 3	TANK 4	TANK 5	TANK 6
TANK #:	<u>34106</u>	_____	_____	_____	_____	_____
CAPACITY:	<u>12,000</u>	_____	_____	_____	_____	_____
DIAMETER:	<u>8'</u>	_____	_____	_____	_____	_____
LENGTH:	<u>32'</u>	_____	_____	_____	_____	_____
STEEL/GLASS:	<u>STEEL</u>	_____	_____	_____	_____	_____
LAST CONTAINED	<u>D</u>	_____	_____	_____	_____	_____

LG = Leaded Gas, UG = Unleaded Gas, D = Diesel, UO = Used Oil, FO = Fuel Oil
Specify the material Last Contained if other than above.

LAND DISPOSAL RESTRICTION NOTIFICATION FORM

The waste represented on this manifest is not generated by a chemical manufacturing plant, coke-by product recovery plant of petroleum refinery. As such, it is not regulated under 40 CFR Part 61, Subpart FF (NESHAPS for Benzene Operations).

____ Pursuant to 40 CFR 268.7 I am notifying Ecology Control Industries that the material described by the above manifest is nonwastewater, Non-RCRA solid hazardous waste and not currently subject to EPA Land Disposal Restrictions.

____ Pursuant to CCR 22 66268.7 I am notifying Ecology Control Industries that the material described by the manifest is a metal containing Non-RCRA solid hazardous waste (662683.29(g)), and an organics containing Non-RCRA solid hazardous waste (66268.29(k)). The treatment standards for these wastes have been repealed. This waste is no longer subject to land disposal restrictions.

I am an authorized agent/representative of the generator. I certify that all information submitted in this and associated documents is complete and accurate to the best of my knowledge. The tanks on the transport equipment have been numbered to correspond with the information provided above. In the event that the tanks do not correspond to the form, I will pay any and all costs incurred in rectifying the discrepancies between the tank(s) and the form. In the event that the tank(s) contain excessive solids or liquids, I agree to pay the cost of preparation, transportation and disposal/recycling of the excess material according to the schedule of charges in effect at the time of receipt of the tank(s). Further, I will not hold Ecology Control Industries responsible for any damage to tanks which occurs after the tanks are removed from the ground.

AUTHORIZED REPRESENTATIVE

SIGNATURE: _____

DATE: 9/2/10

PRINT NAME: Juan De Luna

TITLE: Lead Operator

**UNIFIED PROGRAM CONSOLIDATED FORM
HAZARDOUS WASTE
HAZARDOUS WASTE TANK CLOSURE CERTIFICATION**

Page 1 of 1

I. FACILITY IDENTIFICATION

BUSINESS NAME (same as FACILITY NAME or DBA - Doing Business As) ³ **CHEVRON #1001654; 601 B. VAIL AVE.; MONTEREELLO, CA 90640** FACILITY ID # _____

TANK OWNER NAME **CHEVRON PRODUCTS CO.; Waste Tracking Desk; Attn: Kathy Morris**

TANK OWNER ADDRESS **P.O. BOX 6004**

TANK OWNER CITY **SAN RAMON** STATE **CA** ZIP CODE **94583**

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor			Concentration of Oxygen		
		Top	Center	Bottom	Top	Center	Bottom
1	87666	1% (87666)	3% (87666)	3% (87666)	20.9	20.9	20.9
2				(1940)			
3	ANNULAR	3,500 ppm	= 0.35%	ATMOSPHERIC			
4	SPACE						

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinsate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER
Nancy Carraway

NAME OF CERTIFIER (Print) **NANCY CARRAWAY**

TITLE OF CERTIFIER **CERTIFIED INDUSTRIAL HYGIENIST**

ADDRESS **991 E. CALIFORNIA BLVD.**

CITY **PASADENA, CA 91106**

PHONE **626-676-7681**

DATE **09/02/2010** CERTIFICATION TIME **1:31 pm - 1:35 pm**

STATUS OR AFFILIATION OF CERTIFYING PERSON
Certifier is a representative of the CUPA, authorized agency, or LIA: Yes No

Name of CUPA, authorized agency, or LIA: **(N/A) MONTE BELLO FIRE DEPARTMENT**

If certifier is other than CUPA/LIA check appropriate box below:

a. Certified Industrial Hygienist (CIH)
 b. Certified Safety Professional (CSP)
 c. Certified Marine Chemist (CMC)
 d. Registered Environmental Health Specialist (REHS)
 e. Professional Engineer (PE)
 f. Class II Registered Environmental Assessor
 g. Contractors' State License Board licensed contractor (with hazardous substance removal certification.)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS **GASOLINE / DIESEL FUEL MIX**
(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being completed on the tank.) Yes No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC.
**ECOLOGY CONTROL INDUSTRIES
255 PARR BLVD.
RICHMOND, CA 94801**

**TANKS/PIPING MEETS TITLE 22 REQUIREMENTS
CRUSH WITH HEAVY EQUIPMENT**

A copy of this certificate shall accompany the tank to the recycling/disposal facility and be provided to the agency overseeing tank closure (i.e. CUPA or other authorized local agency); the owner and/or operator of the tank system; and the tank removal contractor.

CBI: CANTON 06/20/10 10:15:10

DOUBLE-WALL STEEL TANK FIBROUS GLASS LINERED. 10,000-GALLON CAPACITY

NO. 695253

NON-HAZARDOUS WASTE DATA FORM

BESI # 196653

Generator's Name and Mailing Address: CHEVRON MONTEBELLO TERMINAL #1001654
601 S. VAIL AVE.
MONTEBELLO, CA 90640

Generator's Site Address (if different than mailing address): CHEVRON MONTEBELLO TERMINAL #1001654
601 S. VAIL AVE.
MONTEBELLO, CA 90640

Generator's Phone: 323-838-8888

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: 1 x 18y
BULK 26ct

Quantity: 1 Volume: 18y

WASTE DESCRIPTION			GENERATING PROCESS		
COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Fiberglass Pipe		97 - 100%			
2. Sediment		0 - 3%			

WASTE DESCRIPTION: Fiberglass Pipe with Slight Sediment
GENERATING PROCESS: Piping Removal

Waste Profile: 605386CA PROPERTIES: pH SOLID LIQUID SLUDGE SLURRY OTHER

HANDLING INSTRUCTIONS:

Generator Printed/Typed Name: JUAN DE LUCA Signature: [Signature] Month Day Year: 09/12/11

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

Transporter 1 Company Name: BELSHIRE Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Frank Salazar Signature: [Signature] Month Day Year: 09/12/11

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: Belshire Phone#: 949-460-5200

Transporter 2 Printed/Typed Name: Zulhasz Patel Signature: [Signature] Month Day Year: 09/28/11

Designated Facility Name and Site Address: MCKITTRICK WASTE TREATMENT SITE
66533 HIGHWAY 68 WEST
MCKITTRICK, CA 93621 Phone#: 861-762-7366

Printed/Typed Name: Debbie Carrica Signature: [Signature] Month Day Year: 09/20/11

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

GENERATOR

TRANSPORTER

RECEIVING FACILITY

ATTACHMENT D
SOIL WASTE MANIFESTS

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 7-21-11	Responsible for Payment:	Transport Truck #: 2004	Facility #:	Approval Number:	Load #:
-------------------------------------	--------------------------	-----------------------------------	-------------	------------------	---------

Generator's Name and Billing Address: COLUMBIA MATERIALS TERMINAL 401 S. WALNUT AVE MUNDOVA, CALIFORNIA 95740	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address: SOIL 520 W. CENTRAL AVENUE SUITE 4 MUNDOVA, CALIFORNIA 95740	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): (name & address) COLUMBIA MATERIALS TERMINAL 401 S. WALNUT AVE MUNDOVA, CALIFORNIA 95740	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): (name & address) SOIL SAFE OF CYCLE DOWNS, INC 12000 HILSDALE AVE MUNDOVA, CALIFORNIA 95740	Facility Phone #:	
	Person to Contact:	
	FAX#:	

Transporter Name and Mailing Address: GELSWORTH ENVIRONMENTAL 15921 LORRAINE DRIVE DR MUNDOVA, CALIFORNIA 95740	Transporter's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	17 yds		24 Tons		
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>			80800	32650	48150

List any exception to items listed above: _____ Scale Ticket # **74337** **24.08**

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator <input type="checkbox"/> Consultant <input checked="" type="checkbox"/> DAVE TUNGA	Signature and date: <i>[Signature]</i>	Month Day Year 7 21 11
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Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: <i>[Signature]</i>	Signature and date: <i>[Signature]</i>	Month Day Year 7 21 11
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Discrepancies:
[Handwritten]

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above.

Print or Type Name: D. JEFFERY L. PROWSE	Signature and date: <i>[Signature]</i>	Month Day Year 7.21.11
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Generator and/or Consultant

Transporter

Recycling Facility

lease print or type.

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 7-21-11	Responsible for Payment:	Transport Truck #: 7A	Facility #:	Approval Number:	Load #:
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Generator's Name and Billing Address: CHRYSLER FINANCIAL SERVICES 601 S. MAIN AVE MONTICELLO, CA 95936	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address: N/A	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): (name & address) CHRYSLER FINANCIAL SERVICES 601 S. MAIN AVE MONTICELLO, CA 95936	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): (name & address) SOIL SAFE OF CALIFORNIA, INC. 12800 MIDWAY AVE GARDEN GROVE, CA 92641	Facility Phone #:	
	Person to Contact:	
	FAX#:	

Transporter Name and Mailing Address: SOIL SAFE ENVIRONMENTAL 25574 TOWNE CENTRE DR GARDEN GROVE, CA 92641	Transporter's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>			30160	30840	49320
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					24.00

List any exception to items listed above: _____ Scale Ticket # 71340

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator <input type="checkbox"/> Consultant <input type="checkbox"/>	Signature and date:	Month Day Year
DAVE TURGARE FOR CHRYSLER	<i>Dave Turgare</i>	7 21 11

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month Day Year
Rodrigo Barrios	<i>Rodrigo Barrios</i>	7 21 11

Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
J. JEFFERY / J. PUGHAN	<i>J. Jeffery</i> 7-21-11

Generator and/or Consultant

Transporter

Recycling Facility

Please print or type.

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 7-21-11	Responsible for Payment: Transporter	Transport Truck #: 445	Facility #:	Approval Number: 43-0205	Load #:
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Generator's Name and Billing Address: CHAMPSON PORTABELLO INDUSTRIAL 501 S. MAIN AVE PORTABELLO, CA 95040	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number 70181070

Consultant's Name and Billing Address: SITE 500 W. CENTRAL AVE., SUITE 10 PORTABELLO, CA 95040	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number 70181070

Generation Site (Transport from): (name & address) CHAMPSON PORTABELLO INDUSTRIAL #100 LBS 501 S. MAIN AVE PORTABELLO, CA 95040	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): (name & address) SOIL SAFE OF CALIFORNIA, INC 12800 MARSHOVS AVE ACLAND, CA 95001	Facility Phone #: (800) 752-6001	
	Person to Contact: DEBRA W. TERRY	
	FAX#: (760) 266-0004	

Transporter Name and Mailing Address: DELTA ONE ENVIRONMENTAL 29921 TOWN CENTRE DR LAKE FOREST, CA 92643	Transporter's Phone #: (949) 490-2000	
	Person to Contact: LARRY WOODHART	
	FAX#: 1000173	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	73.5 TONS		80780	30640	48160
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					24.09

List any exception to items listed above: _____ Scale Ticket # 961341

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

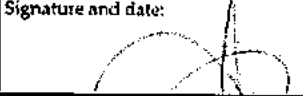
Print or Type Name: Generator <input type="checkbox"/> Consultant <input checked="" type="checkbox"/> DAVE TORGAN FOR CURRYON	Signature and date: 	Month Day Year 7 21 11
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Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: TOM FREEMAN	Signature and date: 	Month Day Year 7 21 11
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Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFERY / T. PUGH	Signature and date: 	Month Day Year 7 21 11
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Generator and/or Consultant

Transporter

Recycling Facility

Please print or type.

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 7/21/11	Responsible for Payment:	Transport Truck #: OK 02	Facility #:	Approval Number:	Load #:
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Generator's Name and Billing Address: CRENSHAW INDUSTRIAL TERMINAL 401 S. WATL AVE LOS ANGELES, CA 90058	Generator's Phone #:
	Person to Contact:
	FAX#:
Customer Account Number: 314110	

Consultant's Name and Billing Address: SOIL	Consultant's Phone #:
	Person to Contact:
	FAX#:
Customer Account Number:	

Generation Site (Transport from): (name & address) CRENSHAW INDUSTRIAL TERMINAL #1001054 401 S. WATL AVE	Site Phone #:
	Person to Contact:
	FAX#:

Designated Facility (Transport to): (name & address) SOIL SAFE OF CALIFORNIA, INC 12-26 HARBOR BLVD LOS ANGELES, CA 90001	Facility Phone #:
	Person to Contact:
	FAX#:

Transporter Name and Mailing Address: OCEANIDE ENVIRONMENTAL 2890 TOWN CENTER DR	Transporter's Phone #:
	Person to Contact:
	FAX#:
Customer Account Number:	

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0-10% <input type="checkbox"/>	Gas <input type="checkbox"/>					
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10-20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0-10% <input type="checkbox"/>	Gas <input type="checkbox"/>					
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10-20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					

List any exception to items listed above: _____ Scale Ticket # 91134

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator <input type="checkbox"/> Consultant <input checked="" type="checkbox"/> Dave Tringali For Client	Signature and date: <i>[Signature]</i>	Month Day Year 7 21 11
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Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: MARCUS A. MCGHEE	Signature and date: <i>[Signature]</i>	Month Day Year 7 21 11
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Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFERY	Signature and date: <i>[Signature]</i>	Month Day Year 7 21 11
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Generator and/or Consultant

Transporter

Recycling Facility

Please print or type.

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 7/21/11	Responsible for Payment:	Transport Truck #: 12M2	Facility #:	Approval Number:	Load #:
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Generator's Name and Billing Address: CHEVRON MARSHBELLO TERMINAL 401 S. MARL AVE MARTINEZ CA 94554	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address: SATC 500 OL CORONADO AVE... MARTINEZ CA 94554	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): (name & address) CHEVRON MARSHBELLO TERMINAL BLDG 1250 401 S. MARL AVE	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): (name & address) SOIL SAFE OF CALIFORNIA, INC 12000 REDWOOD AVE MARTINEZ CA 94554	Facility Phone #:	
	Person to Contact:	
	FAX#:	

Transporter Name and Mailing Address: RECYCLING ENVIRONMENTAL 10001 TOWER CENTER DR MARTINEZ CA 94554	Transporter's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>	25.5		5640274050		29.15
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					

List any exception to items listed above: _____ Scale Ticket # **94343**

Generator's and/or consultant's certification: *I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.*

Print or Type Name: Generator <input type="checkbox"/> Consultant <input checked="" type="checkbox"/> DAVE TURGATE FOR CHEVRON	Signature and date: <i>[Signature]</i>	Month Day Year 7 21 11
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Transporter's certification: *I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: KEVIN MEAD	Signature and date: <i>[Signature]</i>	Month Day Year 7 21 11
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Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above	
Print or Type Name: IL JEFFERY / L. PROBERT	Signature and date: <i>[Signature]</i> 7-21-11

Generator and/or Consultant

Transporter

Recycling Facility

please print or type.

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: <i>7/21/11</i>	Responsible for Payment:	Transport Truck #: <i>2004</i>	Facility #:	Approval Number:	Load #:
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Generator and/or Consultant

Generator's Name and Billing Address: <i>CHEMICAL INDUSTRIES TERMINAL 401 S. MAIN AVE MONTROSE, CO 81401</i>		Generator's Phone #:	
Person to Contact:			
FAX#:		Customer Account Number	
Consultant's Name and Billing Address: <i>SAI 770 W. CENTRAL AVE., SUITE 4 DENVER, CO 80202</i>		Consultant's Phone #:	
Person to Contact:			
FAX#:		Customer Account Number	
Generation Site (Transport from): (name & address) <i>CHEMICAL INDUSTRIES TERMINAL, MONTROSE, CO 401 S. MAIN AVE</i>		Site Phone #:	
Person to Contact:			
FAX#:			
Designated Facility (Transport to): (name & address) <i>SOIL SAFE OF CALIFORNIA, INC 12820 HEDGECOCK AVE DENVER, CO 80231</i>		Facility Phone #:	
Person to Contact:			
FAX#:			
Transporter Name and Mailing Address: <i>WELSHIRE ENVIRONMENTAL 25971 TOWNE CENTRE DR</i>		Transporter's Phone #:	
Person to Contact:			
FAX#:		Customer Account Number	

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0-10% <input type="checkbox"/>	Gas <input type="checkbox"/>			<i>51140</i>	<i>32620</i>	<i>48520</i>
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10-20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20%-over <input type="checkbox"/>	Other <input type="checkbox"/>					
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0-10% <input type="checkbox"/>	Gas <input type="checkbox"/>					<i>24-26</i>
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10-20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20%-over <input type="checkbox"/>	Other <input type="checkbox"/>					

List any exception to items listed above: _____ Scale Ticket # *74348*

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator Consultant *DAVE TUNGATE* Signature and date: _____ Month *7* Day *21* Year *11*

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: *DAVE TUNGATE* Signature and date: _____ Month *7* Day *21* Year *11*

Recycling Facility

Discrepancies: *✓ ✓*

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: *D. JEFFERY / T. PRUGHENI* Signature and date: _____ Month *7* Day *21* Year *11*

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Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

Manifest #

Date of Shipment: 7/21/11 Responsible for Payment: _____ Transport Truck #: 425 Facility #: _____ Approval Number: _____ Load #: _____

Generator's Name and Billing Address: _____ Generator's Phone #: _____
 Person to Contact: _____
 FAX#: _____ Customer Account Number: _____

Consultant's Name and Billing Address: _____ Consultant's Phone #: _____
 Person to Contact: _____
 FAX#: _____ Customer Account Number: _____

Generation Site (Transport from): (name & address) _____ Site Phone #: _____
 Person to Contact: _____
 FAX#: _____

Designated Facility (Transport to): (name & address) _____ Facility Phone #: _____
 Person to Contact: _____
 FAX#: _____

Transporter Name and Mailing Address: _____ Transporter's Phone #: _____
 Person to Contact: _____
 FAX#: _____ Customer Account Number: _____

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>			80240	32660	47580
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>					23.6
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					

List any exception to items listed above: _____ Scale Ticket # 941350

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator Consultant Signature and date: _____ Month Day Year 7 21 11

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: _____ Signature and date: _____ Month Day Year 7 21 11

Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: _____ Signature and date: _____

Generator and/or Consultant

Transporter

Recycling Facility

Please print or type:

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 7/21/11 Responsible for Payment: _____ Transport Truck #: KM2 Facility #: _____ Approval Number: _____ Load #: _____

Generator's Name and Billing Address: ONEWOOD INDUSTRIAL DEVELOPMENT
501 S. WALTON AVE
LAUREL VALLEY, CA 92022

Generator's Phone #: _____
Person to Contact: _____
FAX#: _____ Customer Account Number: _____

Consultant's Name and Billing Address: SOIL
5200 S. CENTRAL AVE., SUITE #
IRVINE, CA 92614

Consultant's Phone #: _____
Person to Contact: _____
FAX#: _____ Customer Account Number: _____

Generation Site (Transport from): (name & address)
ONEWOOD INDUSTRIAL DEVELOPMENT #100 LSON
501 S. WALTON AVE

Site Phone #: _____
Person to Contact: _____
FAX#: _____

Designated Facility (Transport to): (name & address)
SOIL SAFE OF CALIFORNIA, INC
12200 WILSON AVE
LAUREL VALLEY, CA 92022

Facility Phone #: _____
Person to Contact: _____
FAX#: _____

Transporter Name and Mailing Address:
DELSHIRE ENVIRONMENTAL
25571 COVINE CENTER DR

Transporter's Phone #: _____
Person to Contact: (714) _____
FAX: 949 440 0000 Customer Account Number: _____

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>			51140	2780	53160
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>					26.58
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					

List any exception to items listed above: _____ Scale Ticket # 94354

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator Consultant
Dave Tongate For Chevron Signature and date: [Signature] Month, Day, Year: 7/21/11

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Kevin Moss Signature and date: [Signature] Month, Day, Year: 7/21/11

Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFERY A. L. FOWLER Signature and date: [Signature] 7.21.11

Generator and/or Consultant

Transporter

Recycling Facility

Manifest

SOIL SAFE OF CA - TPST Non-Hazardous Soils

Manifest #

Date of Shipment: 7/21/11 Responsible for Payment: _____ Transport Truck #: OKO2 Facility #: _____ Approval Number: _____ Load #: _____

Generator's Name and Billing Address: CHEVRON CONTROLLED TANKS
 301 S. WALTON AVE
 CHEVROTON, CA 95924
 Generator's Phone #: _____
 Person to Contact: _____
 FAX#: _____
 Customer Account Number: _____

Consultant's Name and Billing Address: SOIL
 220 W. CENTRAL AVE., SUITE 4
 CHEVROTON, CA 95924
 Consultant's Phone #: _____
 Person to Contact: _____
 FAX#: _____
 Customer Account Number: _____

Generation Site (Transport from): (name & address)
CHEVRON CONTROLLED TANKS
 301 S. WALTON AVE
 CHEVROTON, CA 95924
 Site Phone #: _____
 Person to Contact: _____
 FAX#: _____

Designated Facility (Transport to): (name & address)
SOIL SAFE OF CALIFORNIA, INC
 17226 NORTON AVE
 CHEVROTON, CA 95924
 Facility Phone #: _____
 Person to Contact: _____
 FAX#: _____

Transporter Name and Mailing Address:
DELTA TRANSPORT
 25771 TORRE BLVD
 CHEVROTON, CA 95924
 Transporter's Phone #: _____
 Person to Contact: _____
 FAX#: _____
 Customer Account Number: _____

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>					
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>					
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					

List any exception to items listed above: _____ Scale Ticket # 941352

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: DAVE TUNNEY Generator Consultant Signature and date: _____
 Month: 7 Day: 21 Year: 11

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: DAVE TUNNEY Signature and date: _____
 Month: 7 Day: 21 Year: 11

Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. TERRY Signature and date: _____
 Month: 7 Day: 21 Year: 11

Generator and/or Consultant

Transporter

PI

Manifest

SOIL SAFE OF CA - TPST

Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment: 7/21/11	Responsible for Payment:	Transport Truck #: 09	Facility #:	Approval Number:	Load #:
-------------------------------------	--------------------------	---------------------------------	-------------	------------------	---------

Generator's Name and Billing Address: CHERON PORTABELLO THERMAL 401 S. USAL AVE	Generator's Phone #:
	Person to Contact:
	FAX#:
Customer Account Number	

Consultant's Name and Billing Address: SAIS 570 W. CENTRAL AVE. SUITE A	Consultant's Phone #:
	Person to Contact:
	FAX#:
Customer Account Number	

Generation Site (Transport from): (name & address) CHERON PORTABELLO THERMAL #100155 401 S. USAL AVE	Site Phone #:
	Person to Contact:
	FAX#:

Designated Facility (Transport to): (name & address) SOIL SAFE OF CALIFORNIA, INC. 1320 WINCHESTER AVE	Facility Phone #:
	Person to Contact:
	FAX#:

Transporter Name and Mailing Address: DEFENSE ENVIRONMENTAL 25501 FORTY SEVENTH RD	Transporter's Phone #:
	Person to Contact:
	FAX#:
Customer Account Number	

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0-10% <input type="checkbox"/>	Gas <input type="checkbox"/>			5100	3150	4945
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10-20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0-10% <input type="checkbox"/>	Gas <input type="checkbox"/>					2470
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10-20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					

List any exception to items listed above: _____ Scale Ticket # **94358**

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: <input type="checkbox"/> Generator <input checked="" type="checkbox"/> Consultant	Signature and date:	Month	Day	Year
Dave Dinsale and Charlene	Dave Dinsale	7	21	11

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
GUACAO CASTRO	Guacao Castro	7	21	11

Discrepancies: _____

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above

Print or Type Name:	Signature and date:
D. JEFFERY / J. FRANKLIN	[Signature] 7-21-11

Generator and/or Consultant

Transporter

Recycling Facility

Issue print or type.

Manifest

SOIL SAFE OF CA - TPST

Non-Hazardous Soils

Manifest #

Date of Shipment: 7/21/11	Responsible for Payment:	Transport Truck #: 507	Facility #:	Approval Number:	Load #:
------------------------------	--------------------------	---------------------------	-------------	------------------	---------

Generator's Name and Billing Address: CHENYON MONTRELLLO TECHNICAL 401 S. ORIE AVE MONTRELLLO, CA 92038	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address: SATEC 170 W. CENTRAL AVE., SUITE 8 BREA, CA 92621	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): (name & address) CHENYON MONTRELLLO TECHNICAL 401 S. ORIE AVE MONTRELLLO, CA 92038	Site Phone #:	
	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): (name & address) SOIL SAFE OF CALIFORNIA, INC 12000 HAZARDOUS AVE ARROWHEAD, CA 92304	Facility Phone #:	
	Person to Contact:	
	FAX#:	

Transporter Name and Mailing Address: DELTA WASTE ENVIRONMENTAL 25771 FORDS CENTRE DR MOUNTAIN VIEW, CA 92654	Transporter's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>			78000	24110	53890
Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/>	0-10% <input type="checkbox"/> 10-20% <input type="checkbox"/> 20% - over <input type="checkbox"/>	Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/>					2595

List any exception to items listed above: _____ Scale Ticket # 14761

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator <input type="checkbox"/> Consultant <input checked="" type="checkbox"/> Dave Tuncate	Signature and date: Dave Tuncate	Month Day Year 07 21 11
---	-------------------------------------	----------------------------

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Kelly Wilson	Signature and date: 	Month Day Year 07 21 11
-------------------------------------	-------------------------	----------------------------

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. BEERY - J. PROFFER	Signature and date: 	Month Day Year 07 21 11
--	-------------------------	----------------------------

Generator and/or Consultant

Transporter

Recycling Facility

also print or type

ATTACHMENT E
RINSATE WATER WASTE MANIFEST

NO. 694648

NON-HAZARDOUS WASTE DATA FORM

GEN # 195529

Generator's Name and Mailing Address: CHEVRON MONTEBELLO TERMINAL #1001654, 601 S. VAIL AVE, MONTEBELLO, CA 90640. Generator's Site Address (if different than mailing address): CHEVRON MONTEBELLO TERMINAL #1001654, 601 S. VAIL AVE, MONTEBELLO, CA 90640.

Generator's Phone: 323-838-8886

Container type removed from site: [X] Drums, [] Vacuum Truck, [] Roll-off Truck, [] Dump Truck, [] Other. Container type transported to receiving facility: [X] Drums, [] Vacuum Truck, [] Roll-off Truck, [] Dump Truck, [] Other.

Quantity: 5. Volume: 275 G.

WASTE DESCRIPTION: NON DOT REGULATED MATERIAL. COMPONENTS OF WASTE: (PCW, NON HAZARDOUS)%. GENERATING PROCESS: Purge Water, Extracted Groundwater. COMPONENTS OF WASTE: Tank Rinse, GWS %.

Waste Profile: 217948 - PCW (N/H). PROPERTIES: pH, [] SOLID, [X] LIQUID, [] SLUDGE, [] SLURRY, [] OTHER.

HANDLING INSTRUCTIONS: Wear level D PPE/Splash protection, gloves, goggles. ER: 1-800-424-0300. CEMC BU: MBU, CEMC CAI: DCCS, Pilot Program, ERG: N/A.

Generator Printed/Typed Name: Mike McDonald, Signature: [Signature], AS Agent for CEMC, Month: 8, Day: 4, Year: 11.

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

Transporter 1 Company Name: BELSHIRE, Phone#: 949-460-6200.

Transporter 1 Printed/Typed Name: Luis Navarro, Signature: [Signature], Month: 8, Day: 4, Year: 11.

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: BELSHIRE, Phone#: 949-460-5200.

Transporter 2 Printed/Typed Name: Paul DeLuca, Signature: [Signature], Month: 8, Day: 8, Year: 11.

Transporter Acknowledgment of Receipt of Materials

Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS, LLC, 1704 W. FIRST ST., AZUSA, CA 91702, MONTEBELLO. Phone#: 626-334-8117.

Receiving Facility Printed/Typed Name: Britni Guilham, Signature: [Signature], Month: 08, Day: 08, Year: 11.

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

GENERATOR

TRANSPORTER

RECEIVING FACILITY

H039

ATTACHMENT F

ANALYTICAL LABORATORY REPORTS
AND
CHAIN OF CUSTODY RECORDS

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654
601 S. Vail Ave. Montebello, CA

Sampled: 09/02/10
Received: 09/02/10
Issued: 09/03/10 14:47

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID

ITI0231-01
ITI0231-02

CLIENT ID

TK92E-S-100902
TK92W-S-100902

MATRIX

Soil
Soil

Reviewed By:



TestAmerica Irvine

Pat Abe For Lena Davidk ova
Project Manager

SAIC - Brea - Chevron
 90 West Central Avenue, Suite 100
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITI0231

Sampled: 09/02/10
 Received: 09/02/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0231-01 (TK92E-S-100902 - Soil)									
Reporting Units: mg/kg									
Volatiles Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10I0340	0.046	0.077	ND	0.773	09/03/10	09/03/10	
Surrogate: Dibromofluoromethane (80-125%)					87 %				
Surrogate: Toluene-d8 (80-120%)					104 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					91 %				
Sample ID: ITI0231-02 (TK92W-S-100902 - Soil)									
Reporting Units: mg/kg									
Volatiles Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10I0340	0.051	0.085	ND	0.852	09/03/10	09/03/10	
Surrogate: Dibromofluoromethane (80-125%)					90 %				
Surrogate: Toluene-d8 (80-120%)					102 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					97 %				

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITI0231

Sampled: 09/02/10
Received: 09/02/10

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI0231-01 (TK92E-S-100902 - Soil)									
Reporting Units: mg/kg									
Benzene	EPA 8260B	10I0340	0.00039	0.0015	ND	0.773	09/03/10	09/03/10	
o-Xylenes	EPA 8260B	10I0340	0.00039	0.0015	ND	0.773	09/03/10	09/03/10	
m,p-Xylenes	EPA 8260B	10I0340	0.00039	0.0015	ND	0.773	09/03/10	09/03/10	
Xylenes, Total	EPA 8260B	10I0340	0.00062	0.0015	ND	0.773	09/03/10	09/03/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I0340	0.00039	0.0015	ND	0.773	09/03/10	09/03/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I0340	0.00039	0.0039	ND	0.773	09/03/10	09/03/10	
Methyl tert-butyl Ether (MTBE)	EPA 8260B	10I0340	0.00077	0.0039	ND	0.773	09/03/10	09/03/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I0340	0.00049	0.0039	ND	0.773	09/03/10	09/03/10	
tert-Butanol (TBA)	EPA 8260B	10I0340	0.0077	0.039	ND	0.773	09/03/10	09/03/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									91 %
Surrogate: Dibromofluoromethane (80-125%)									87 %
Surrogate: Toluene-d8 (80-120%)									104 %

Sample ID: ITI0231-02 (TK92W-S-100902 - Soil)									
Reporting Units: mg/kg									
Benzene	EPA 8260B	10I0340	0.00043	0.0017	ND	0.852	09/03/10	09/03/10	
o-Xylenes	EPA 8260B	10I0340	0.00043	0.0017	ND	0.852	09/03/10	09/03/10	
m,p-Xylenes	EPA 8260B	10I0340	0.00043	0.0017	ND	0.852	09/03/10	09/03/10	
Xylenes, Total	EPA 8260B	10I0340	0.00068	0.0017	ND	0.852	09/03/10	09/03/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I0340	0.00043	0.0017	ND	0.852	09/03/10	09/03/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I0340	0.00043	0.0043	ND	0.852	09/03/10	09/03/10	
Methyl tert-butyl Ether (MTBE)	EPA 8260B	10I0340	0.00085	0.0043	ND	0.852	09/03/10	09/03/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I0340	0.00055	0.0043	ND	0.852	09/03/10	09/03/10	
tert-Butanol (TBA)	EPA 8260B	10I0340	0.0085	0.043	ND	0.852	09/03/10	09/03/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									97 %
Surrogate: Dibromofluoromethane (80-125%)									90 %
Surrogate: Toluene-d8 (80-120%)									102 %

TestAmerica Irvine

Pat Abe For Lena Davidkova
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITI0231

Sampled: 09/02/10
Received: 09/02/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: TK92E-S-100902 (ITI0231-01) - Soil					
EPA 8260B	2	09/02/2010 14:25	09/02/2010 19:00	09/03/2010 00:00	09/03/2010 11:22
TPH by CC/MS	2	09/02/2010 14:25	09/02/2010 19:00	09/03/2010 00:00	09/03/2010 11:22
Sample ID: TK92W-S-100902 (ITI0231-02) - Soil					
EPA 8260B	2	09/02/2010 14:45	09/02/2010 19:00	09/03/2010 00:00	09/03/2010 11:50
TPH by CC/MS	2	09/02/2010 14:45	09/02/2010 19:00	09/03/2010 00:00	09/03/2010 11:50

TestAmerica Irvine

Pat Abe For Lena Davidkova
Project Manager

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ITI0231 <Page 4 of 9>

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: IT10231

Sampled: 09/02/10
Received: 09/02/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I0340 Extracted: 09/03/10											
Blank Analyzed: 09/03/2010 (10I0340-BLK1)											
Volatile Fuel Hydrocarbons (C4-C12)	ND	0.10	0.060	mg/kg							
Surrogate: Dibromofluoromethane	0.0443			mg/kg	0.0500		89	80-125			
Surrogate: Toluene-d8	0.0510			mg/kg	0.0500		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.0499			mg/kg	0.0500		100	80-120			
LCS Analyzed: 09/03/2010 (10I0340-BS2)											
Volatile Fuel Hydrocarbons (C4-C12)	0.811	0.10	0.060	mg/kg	1.00		81	60-135			
Surrogate: Dibromofluoromethane	0.0436			mg/kg	0.0500		87	80-125			
Surrogate: Toluene-d8	0.0515			mg/kg	0.0500		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.0492			mg/kg	0.0500		98	80-120			
Matrix Spike Analyzed: 09/03/2010 (10I0340-MS1) Source: IT10008-01											
Volatile Fuel Hydrocarbons (C4-C12)	1.88	0.10	0.060	mg/kg	3.45	ND	55	50-140			
Surrogate: Dibromofluoromethane	0.0430			mg/kg	0.0500		86	80-125			
Surrogate: Toluene-d8	0.0519			mg/kg	0.0500		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.0496			mg/kg	0.0500		99	80-120			
Matrix Spike Dup Analyzed: 09/03/2010 (10I0340-MSD1) Source: IT10008-01											
Volatile Fuel Hydrocarbons (C4-C12)	1.84	0.099	0.060	mg/kg	3.42	ND	54	50-140	2	25	
Surrogate: Dibromofluoromethane	0.0439			mg/kg	0.0496		89	80-125			
Surrogate: Toluene-d8	0.0517			mg/kg	0.0496		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.0480			mg/kg	0.0496		97	80-120			

TestAmerica Irvine

Pat Abe For Lena Davidkova
Project Manager

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IT10231 <Page 5 of 9>

SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITI0231

Sampled: 09/02/10
 Received: 09/02/10

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 10I0340 Extracted: 09/03/10										
Blank Analyzed: 09/03/2010 (10I0340-BLK1)										
Benzene	ND	0.0020	0.00050	mg/k g						
Ethylbenzene	ND	0.0020	0.00050	mg/k g						
Toluene	ND	0.0020	0.00050	mg/k g						
m,p-Xylenes	ND	0.0020	0.00080	mg/k g						
o-Xylene	ND	0.0020	0.00050	mg/k g						
Xylenes, Total	ND	0.0040	0.0013	mg/k g						
Di-isopropyl Ether (DIPE)	ND	0.0050	0.00050	mg/k g						
Ethyl tert-Butyl Ether (ETBE)	ND	0.0050	0.00058	mg/k g						
Methyl-tert-butyl Ether (MTBE)	ND	0.0050	0.0010	mg/k g						
tert-Amyl Methyl Ether (TAME)	ND	0.0050	0.00064	mg/k g						
tert-Butanol (TBA)	ND	0.050	0.010	mg/k g						
Surrogate: 4-Bromofluorobenzene	0.0499			mg/kg	0.0500		100	80-120		
Surrogate: Dibromofluoromethane	0.0443			mg/kg	0.0500		89	80-125		
Surrogate: Toluene-d8	0.0510			mg/kg	0.0500		102	80-120		
LCS Analyzed: 09/03/2010 (10I0340-BS1)										
Benzene	0.0507	0.0020	0.00050	mg/k g	0.0500		101	65-120		
Ethylbenzene	0.0510	0.0020	0.00050	mg/k g	0.0500		102	70-125		
Toluene	0.0527	0.0020	0.00050	mg/k g	0.0500		105	70-125		
m,p-Xylenes	0.108	0.0020	0.00080	mg/k g	0.100		108	70-125		
o-Xylene	0.0547	0.0020	0.00050	mg/k g	0.0500		109	70-125		
Xylenes, Total	0.162	0.0040	0.0013	mg/k g	0.150		108	70-125		
Di-isopropyl Ether (DIPE)	0.0471	0.0050	0.00050	mg/k g	0.0500		94	60-140		
Ethyl tert-Butyl Ether (ETBE)	0.0460	0.0050	0.00058	mg/k g	0.0500		92	60-140		
Methyl-tert-butyl Ether (MTBE)	0.0463	0.0050	0.0010	mg/k g	0.0500		93	60-140		
tert-Amyl Methyl Ether (TAME)	0.0487	0.0050	0.00064	mg/k g	0.0500		97	60-145		
tert-Butanol (TBA)	0.257	0.050	0.010	mg/k g	0.250		103	70-135		
Surrogate: 4-Bromofluorobenzene	0.0486			mg/kg	0.0500		97	80-120		
Surrogate: Dibromofluoromethane	0.0436			mg/kg	0.0500		87	80-125		
Surrogate: Toluene-d8	0.0525			mg/kg	0.0500		105	80-120		

TestAmerica Irvine

Pat Abe For Lena Davidk ova
 Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITI0231

Sampled: 09/02/10
 Received: 09/02/10

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
---------	--------	-----------------	-----	-------	-------------	---------------	-----------	-------------	-----	-----------	-----------------

Batch: 10I0340 Extracted: 09/03/10

Matrix Spike Analyzed: 09/03/2010 (10I0340-MS1)

Source: ITI0008-01

Benzene	0.0522	0.0020	0.00050	mg/k g	0.0500	ND	104	65-130			
Ethylbenzene	0.0552	0.0020	0.00050	mg/k g	0.0500	ND	110	70-135			
Toluene	0.0543	0.0020	0.00050	mg/k g	0.0500	ND	109	70-130			
p-Xylenes	0.115	0.0020	0.00080	mg/k g	0.100	ND	115	70-130			
o-Xylene	0.0581	0.0020	0.00050	mg/k g	0.0500	ND	116	65-130			
m-Xylenes, Total	0.173	0.0040	0.0013	mg/k g	0.150	ND	115	70-125			
Di-isopropyl Ether (DIPE)	0.0482	0.0050	0.00050	mg/k g	0.0500	ND	96	60-150			
Ethyl tert-Butyl Ether (ETBE)	0.0483	0.0050	0.00058	mg/k g	0.0500	ND	97	60-145			
Methyl-tert-butyl Ether (MTBE)	0.0491	0.0050	0.0010	mg/k g	0.0500	ND	98	55-155			
tert-Amyl Methyl Ether (TAME)	0.0513	0.0050	0.00064	mg/k g	0.0500	ND	103	60-150			
tert-Butanol (TBA)	0.249	0.050	0.010	mg/k g	0.250	ND	100	65-145			
Surrogate: 4-Bromofluorobenzene	0.0496			mg/kg	0.0500		99	80-120			
Surrogate: Dibromofluoromethane	0.0430			mg/kg	0.0500		86	80-125			
Surrogate: Toluene-d8	0.0519			mg/kg	0.0500		104	80-120			

Matrix Spike Dup Analyzed: 09/03/2010 (10I0340-MSD1)

Source: ITI0008-01

Benzene	0.0510	0.0020	0.00050	mg/k g	0.0496	ND	103	65-130	2	20	
Ethylbenzene	0.0538	0.0020	0.00050	mg/k g	0.0496	ND	108	70-135	3	25	
Toluene	0.0528	0.0020	0.00050	mg/k g	0.0496	ND	106	70-130	3	20	
p-Xylenes	0.113	0.0020	0.00079	mg/k g	0.0992	ND	114	70-130	1	25	
o-Xylene	0.0570	0.0020	0.00050	mg/k g	0.0496	ND	115	65-130	2	25	
m-Xylenes, Total	0.170	0.0040	0.0013	mg/k g	0.149	ND	114	70-125	2	25	
Di-isopropyl Ether (DIPE)	0.0481	0.0050	0.00050	mg/k g	0.0496	ND	97	60-150	0.3	25	
Ethyl tert-Butyl Ether (ETBE)	0.0461	0.0050	0.00058	mg/k g	0.0496	ND	93	60-145	5	30	
Methyl-tert-butyl Ether (MTBE)	0.0453	0.0050	0.00099	mg/k g	0.0496	ND	91	55-155	8	35	
tert-Amyl Methyl Ether (TAME)	0.0488	0.0050	0.00063	mg/k g	0.0496	ND	98	60-150	5	25	
tert-Butanol (TBA)	0.249	0.050	0.0099	mg/k g	0.248	ND	100	65-145	0.04	30	
Surrogate: 4-Bromofluorobenzene	0.0480			mg/kg	0.0496		97	80-120			
Surrogate: Dibromofluoromethane	0.0439			mg/kg	0.0496		89	80-125			
Surrogate: Toluene-d8	0.0517			mg/kg	0.0496		104	80-120			

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Pat Abe For Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITI0231

Sampled: 09/02/10
Received: 09/02/10

DATA QUALIFIERS AND DEFINITIONS

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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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Pat Abe For Lena Davidkova
Project Manager

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ITI0231 <Page 8 of 9>

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590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITI0231

Sampled: 09/02/10
Received: 09/02/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelap	California
EPA 8260B	Soil	X	X
TPH by GC/MS	Soil	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

Pat Abe For Lena Davidkova
Project Manager

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ITI0231 <Page 9 of 9>

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654 601 S. Vail Ave.
Montebello, CA

Sampled: 09/14/10-09/15/10
Received: 09/15/10
Issued: 09/24/10 16:06

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITI1264-01	TK-92-PIPING0-S-5-100914	Soil
ITI1264-02	TK-92-PIPING20-S-5-100914	Soil
ITI1264-03	TK-92-PIPING40-S-5-100914	Soil
ITI1264-04	TK-92-PIPING60-S-5-100914	Soil
ITI1264-05	TK-92-PIPING80NE-S-5-100914	Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11264

Sampled: 09/14/10-09/15/10
 Received: 09/15/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11264-01 (TK-92-PIPING-0-S-5-100914 - Soil)					Sampled: 09/14/10				
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1011771	48	80	ND	0.803	09/15/10	09/17/10	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					89 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					102 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					96 %				
Sample ID: IT11264-02 (TK-92-PIPING-20-S-5-100914 - Soil)					Sampled: 09/14/10				
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1012290	68	110	ND	1.13	09/15/10	09/22/10	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					96 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					103 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					101 %				
Sample ID: IT11264-03 (TK-92-PIPING-40-S-5-100914 - Soil)					Sampled: 09/14/10				
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1011771	54	91	ND	0.907	09/15/10	09/17/10	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					89 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					101 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					97 %				
Sample ID: IT11264-04 (TK-92-PIPING-60-S-5-100914 - Soil)					Sampled: 09/14/10				
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1011771	52	86	ND	0.864	09/15/10	09/17/10	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					91 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					101 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					94 %				
Sample ID: IT11264-05 (TK-92-PIPING-80NE-S-5-100914 - Soil)					Sampled: 09/15/10				
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1011771	52	87	ND	0.874	09/15/10	09/17/10	
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					92 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					102 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					96 %				

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11264

Sampled: 09/14/10-09/15/10
Received: 09/15/10

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11264-01 (TK-92-PIPING-0-S-5-100914 - Soil)					Sampled: 09/14/10				
Reporting Units: ug/kg									
Benzene	EPA 8260B	1011771	0.40	1.6	ND	0.803	09/15/10	09/17/10	
o-xylbenzene	EPA 8260B	1011771	0.40	1.6	ND	0.803	09/15/10	09/17/10	
m-toluene	EPA 8260B	1011771	0.40	1.6	ND	0.803	09/15/10	09/17/10	
m,p-Xylenes	EPA 8260B	1011771	0.64	1.6	ND	0.803	09/15/10	09/17/10	
Xylene	EPA 8260B	1011771	0.40	1.6	ND	0.803	09/15/10	09/17/10	
Xylenes, Total	EPA 8260B	1011771	1.0	3.2	ND	0.803	09/15/10	09/17/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	1011771	0.40	4.0	ND	0.803	09/15/10	09/17/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	1011771	0.47	4.0	ND	0.803	09/15/10	09/17/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	1011771	0.80	4.0	ND	0.803	09/15/10	09/17/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	1011771	0.51	4.0	ND	0.803	09/15/10	09/17/10	
tert-Butanol (TBA)	EPA 8260B	1011771	8.0	40	ND	0.803	09/15/10	09/17/10	

Surrogate: 4-Bromofluorobenzene (80-120%)

96 %

Surrogate: Dibromofluoromethane (80-125%)

89 %

Surrogate: Toluene-d8 (80-120%)

102 %

Sample ID: IT11264-02 (TK-92-PIPING-20-S-5-100914 - Soil)

Sampled: 09/14/10

Reporting Units: ug/kg

Benzene	EPA 8260B	1011771	0.64	2.5	ND	1.27	09/15/10	09/17/10	
o-xylbenzene	EPA 8260B	1011771	0.64	2.5	ND	1.27	09/15/10	09/17/10	
m-toluene	EPA 8260B	1011771	0.64	2.5	ND	1.27	09/15/10	09/17/10	
m,p-Xylenes	EPA 8260B	1011771	1.0	2.5	ND	1.27	09/15/10	09/17/10	
Xylene	EPA 8260B	1011771	0.64	2.5	ND	1.27	09/15/10	09/17/10	
Xylenes, Total	EPA 8260B	1011771	1.7	5.1	ND	1.27	09/15/10	09/17/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	1011771	0.64	6.4	ND	1.27	09/15/10	09/17/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	1011771	0.74	6.4	ND	1.27	09/15/10	09/17/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	1011771	1.3	6.4	ND	1.27	09/15/10	09/17/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	1011771	0.81	6.4	ND	1.27	09/15/10	09/17/10	
tert-Butanol (TBA)	EPA 8260B	1011771	13	64	ND	1.27	09/15/10	09/17/10	

Surrogate: 4-Bromofluorobenzene (80-120%)

95 %

Surrogate: Dibromofluoromethane (80-125%)

90 %

Surrogate: Toluene-d8 (80-120%)

101 %

TestAmerica Irvine

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 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1264

Sampled: 09/14/10-09/15/10
 Received: 09/15/10

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI1264-03 (TK-92-PIPING-40-S-5-100914 - Soil)					Sampled: 09/14/10				
Reporting Units: ug/kg									
Benzene	EPA 8260B	1011771	0.45	1.8	ND	0.907	09/15/10	09/17/10	
Ethylbenzene	EPA 8260B	1011771	0.45	1.8	ND	0.907	09/15/10	09/17/10	
Toluene	EPA 8260B	1011771	0.45	1.8	ND	0.907	09/15/10	09/17/10	
m,p-Xylenes	EPA 8260B	1011771	0.73	1.8	ND	0.907	09/15/10	09/17/10	
o-Xylene	EPA 8260B	1011771	0.45	1.8	ND	0.907	09/15/10	09/17/10	
Xylenes, Total	EPA 8260B	1011771	1.2	3.6	ND	0.907	09/15/10	09/17/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	1011771	0.45	4.5	ND	0.907	09/15/10	09/17/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	1011771	0.53	4.5	ND	0.907	09/15/10	09/17/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	1011771	0.91	4.5	ND	0.907	09/15/10	09/17/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	1011771	0.58	4.5	ND	0.907	09/15/10	09/17/10	
tert-Butanol (TBA)	EPA 8260B	1011771	9.1	45	ND	0.907	09/15/10	09/17/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									97 %
<i>Surrogate: Dibromofluoromethane (80-125%)</i>									89 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									101 %

Sample ID: ITI1264-04 (TK-92-PIPING-60-S-5-100914 - Soil)					Sampled: 09/14/10				
Reporting Units: ug/kg									
Benzene	EPA 8260B	1011771	0.43	1.7	ND	0.864	09/15/10	09/17/10	
Ethylbenzene	EPA 8260B	1011771	0.43	1.7	ND	0.864	09/15/10	09/17/10	
Toluene	EPA 8260B	1011771	0.43	1.7	ND	0.864	09/15/10	09/17/10	
m,p-Xylenes	EPA 8260B	1011771	0.69	1.7	ND	0.864	09/15/10	09/17/10	
o-Xylene	EPA 8260B	1011771	0.43	1.7	ND	0.864	09/15/10	09/17/10	
Xylenes, Total	EPA 8260B	1011771	1.1	3.5	ND	0.864	09/15/10	09/17/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	1011771	0.43	4.3	ND	0.864	09/15/10	09/17/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	1011771	0.50	4.3	ND	0.864	09/15/10	09/17/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	1011771	0.86	4.3	ND	0.864	09/15/10	09/17/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	1011771	0.55	4.3	ND	0.864	09/15/10	09/17/10	
tert-Butanol (TBA)	EPA 8260B	1011771	8.6	43	ND	0.864	09/15/10	09/17/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									94 %
<i>Surrogate: Dibromofluoromethane (80-125%)</i>									91 %
<i>Surrogate: Toluene-d8 (80-120%)</i>									101 %

TestAmerica Irvine

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11264

Sampled: 09/14/10-09/15/10
 Received: 09/15/10

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11264-05 (TK-92-PIPING-80NE-S-5-100914 - Soil)					Sampled: 09/15/10				
Reporting Units: ug/kg									
Benzene	EPA 8260B	10I1771	0.44	1.7	ND	0.874	09/15/10	09/17/10	
Toluene	EPA 8260B	10I1771	0.44	1.7	ND	0.874	09/15/10	09/17/10	
o-Xylene	EPA 8260B	10I1771	0.44	1.7	ND	0.874	09/15/10	09/17/10	
m,p-Xylenes	EPA 8260B	10I1771	0.70	1.7	ND	0.874	09/15/10	09/17/10	
Xylene	EPA 8260B	10I1771	0.44	1.7	ND	0.874	09/15/10	09/17/10	
Xylenes, Total	EPA 8260B	10I1771	1.1	3.5	ND	0.874	09/15/10	09/17/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I1771	0.44	4.4	ND	0.874	09/15/10	09/17/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I1771	0.51	4.4	ND	0.874	09/15/10	09/17/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10I1771	0.87	4.4	ND	0.874	09/15/10	09/17/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I1771	0.56	4.4	ND	0.874	09/15/10	09/17/10	
tert-Butanol (TBA)	EPA 8260B	10I1771	8.7	44	ND	0.874	09/15/10	09/17/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					96 %				
Surrogate: Dibromofluoromethane (80-125%)					92 %				
Surrogate: Toluene-d8 (80-120%)					102 %				

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Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1264

Sampled: 09/14/10-09/15/10
Received: 09/15/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: TK-92-PIPING-0-S-5-100914 (ITI1264-01) - Soil					
EPA 8260B	2	09/14/2010 10:30	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 12:04
TPHby GC/MS	2	09/14/2010 10:30	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 12:04
Sample ID: TK-92-PIPING-20-S-5-100914 (ITI1264-02) - Soil					
EPA 8260B	2	09/14/2010 10:35	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 12:32
TPHby GC/MS	2	09/14/2010 10:35	09/15/2010 15:15	09/15/2010 22:30	09/22/2010 19:19
Sample ID: TK-92-PIPING-40-S-5-100914 (ITI1264-03) - Soil					
EPA 8260B	2	09/14/2010 10:45	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 13:00
TPHby GC/MS	2	09/14/2010 10:45	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 13:00
Sample ID: TK-92-PIPING-60-S-5-100914 (ITI1264-04) - Soil					
EPA 8260B	2	09/14/2010 15:15	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 13:28
TPHby GC/MS	2	09/14/2010 15:15	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 13:28
Sample ID: TK-92-PIPING-80NE-S-5-100914 (ITI1264-05) - Soil					
EPA 8260B	2	09/15/2010 10:00	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 13:55
TPHby GC/MS	2	09/15/2010 10:00	09/15/2010 15:15	09/15/2010 22:30	09/17/2010 13:55

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ITI1264 <Page 6 of 12>

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 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11264

Sampled: 09/14/10-09/15/10
 Received: 09/15/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1771 Extracted: 09/17/10											
Blank Analyzed: 09/17/2010 (10I1771-BLK1)											
Volatiles Fuel Hydrocarbons (C4-C12)	ND	100	60	ug/kg							
Surrogate: Dibromofluoromethane	46.1			ug/kg	50.0		92	80-125			
Surrogate: Toluene-d8	52.4			ug/kg	50.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	51.3			ug/kg	50.0		103	80-120			
LCS Analyzed: 09/17/2010 (10I1771-BS2)											
Volatiles Fuel Hydrocarbons (C4-C12)	766	100	60	ug/kg	1000		77	60-135			MNR1
Surrogate: Dibromofluoromethane	47.4			ug/kg	50.0		95	80-125			
Surrogate: Toluene-d8	51.8			ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	50.8			ug/kg	50.0		102	80-120			
LCS Dup Analyzed: 09/17/2010 (10I1771-BSD2)											
Volatiles Fuel Hydrocarbons (C4-C12)	733	100	60	ug/kg	1000		73	60-135	4	20	
Surrogate: Dibromofluoromethane	45.6			ug/kg	50.0		91	80-125			
Surrogate: Toluene-d8	52.1			ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	51.6			ug/kg	50.0		103	80-120			
Batch: 10I2290 Extracted: 09/22/10											
Blank Analyzed: 09/22/2010 (10I2290-BLK1)											
Volatiles Fuel Hydrocarbons (C4-C12)	ND	100	60	ug/kg							
Surrogate: Dibromofluoromethane	48.8			ug/kg	50.0		98	80-125			
Surrogate: Toluene-d8	51.9			ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	50.7			ug/kg	50.0		101	80-120			
LCS Analyzed: 09/22/2010 (10I2290-BS2)											
Volatiles Fuel Hydrocarbons (C4-C12)	744	100	60	ug/kg	1000		74	60-135			
Surrogate: Dibromofluoromethane	49.9			ug/kg	50.0		100	80-125			
Surrogate: Toluene-d8	52.2			ug/kg	50.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	51.4			ug/kg	50.0		103	80-120			

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SAIC - Brea - Chevron
 590 West Central Avenue, Suite J
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 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1264

Sampled: 09/14/10-09/15/10
 Received: 09/15/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I2290 Extracted: 09/22/10											
Matrix Spike Analyzed: 09/22/2010 (10I2290-MS1)						Source: ITI1705-02					
Volatile Fuel Hydrocarbons (C4-C12)	2040	98	59	ug/k g	3380	ND	60	50-140			
Surrogate: Dibromofluoromethane	50.9			ug/kg	49.0		104	80-125			
Surrogate: Toluene-d8	50.6			ug/kg	49.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	50.1			ug/kg	49.0		102	80-120			
Matrix Spike Dup Analyzed: 09/22/2010 (10I2290-MSD1)						Source: ITI1705-02					
Volatile Fuel Hydrocarbons (C4-C12)	1990	98	59	ug/k g	3400	ND	59	50-140	3	25	
Surrogate: Dibromofluoromethane	50.8			ug/kg	49.2		103	80-125			
Surrogate: Toluene-d8	51.1			ug/kg	49.2		104	80-120			
Surrogate: 4-Bromofluorobenzene	49.4			ug/kg	49.2		100	80-120			

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Report Number: IT11264

Sampled: 09/14/10-09/15/10
Received: 09/15/10

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 1011771 Extracted: 09/17/10											
Blank Analyzed: 09/17/2010 (1011771-BLK1)											
Benzene	ND	2.0	0.50	ug/kg							
Ethylbenzene	ND	2.0	0.50	ug/kg							
Toluene	ND	2.0	0.50	ug/kg							
m,p-Xylenes	ND	2.0	0.80	ug/kg							
o-Xylene	ND	2.0	0.50	ug/kg							
Xylenes, Total	ND	4.0	1.3	ug/kg							
Diisopropyl Ether (DIPE)	ND	5.0	0.50	ug/kg							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.58	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	1.0	ug/kg							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.64	ug/kg							
tert-Butanol (TBA)	ND	50	10	ug/kg							
Surrogate: 4-Bromofluorobenzene	51.3			ug/kg	50.0		103	80-120			
Surrogate: Dibromofluoromethane	46.1			ug/kg	50.0		92	80-125			
Surrogate: Toluene-d8	52.4			ug/kg	50.0		105	80-120			
LCS Analyzed: 09/17/2010 (1011771-BS1)											
Benzene	56.0	2.0	0.50	ug/kg	50.0		112	65-120			MNR1
Ethylbenzene	54.5	2.0	0.50	ug/kg	50.0		109	70-125			
Toluene	52.3	2.0	0.50	ug/kg	50.0		105	70-125			
m,p-Xylenes	111	2.0	0.80	ug/kg	100		111	70-125			
o-Xylene	56.4	2.0	0.50	ug/kg	50.0		113	70-125			
Xylenes, Total	167	4.0	1.3	ug/kg	150		112	70-125			
Diisopropyl Ether (DIPE)	55.1	5.0	0.50	ug/kg	50.0		110	60-140			
Ethyl tert-Butyl Ether (ETBE)	52.7	5.0	0.58	ug/kg	50.0		105	60-140			
Methyl-tert-butyl Ether (MTBE)	53.7	5.0	1.0	ug/kg	50.0		107	60-140			
tert-Amyl Methyl Ether (TAME)	53.3	5.0	0.64	ug/kg	50.0		107	60-145			
tert-Butanol (TBA)	246	50	10	ug/kg	250		98	70-135			
Surrogate: 4-Bromofluorobenzene	51.0			ug/kg	50.0		102	80-120			
Surrogate: Dibromofluoromethane	49.6			ug/kg	50.0		99	80-125			
Surrogate: Toluene-d8	53.1			ug/kg	50.0		106	80-120			

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Report Number: IT11264

Sampled: 09/14/10-09/15/10
Received: 09/15/10

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1011771 Extracted: 09/17/10											
LCS Dup Analyzed: 09/17/2010 (1011771-BSD1)											
Benzene	55.5	2.0	0.50	ug/k g	50.0	111	65-120	0.9	20		
Ethylbenzene	54.7	2.0	0.50	ug/k g	50.0	109	70-125	0.3	20		
Toluene	52.3	2.0	0.50	ug/k g	50.0	105	70-125	0.04	20		
m,p-Xylenes	112	2.0	0.80	ug/k g	100	112	70-125	1	20		
o-Xylene	55.5	2.0	0.50	ug/k g	50.0	111	70-125	2	20		
Xylenes, Total	168	4.0	1.3	ug/k g	150	112	70-125	0.3	20		
Di-isopropyl Ether (DIPE)	52.8	5.0	0.50	ug/k g	50.0	106	60-140	4	20		
Ethyl tert-Butyl Ether (ETBE)	50.6	5.0	0.58	ug/k g	50.0	101	60-140	4	20		
Methyl-tert-butyl Ether (MTBE)	50.6	5.0	1.0	ug/k g	50.0	101	60-140	6	25		
tert-Amyl Methyl Ether (TAME)	50.3	5.0	0.64	ug/k g	50.0	101	60-145	6	20		
tert-Butanol (TBA)	263	50	10	ug/k g	250	105	70-135	7	20		
Surrogate: 4-Bromofluorobenzene	50.1			ug/kg	50.0	100	80-120				
Surrogate: Dibromofluoromethane	47.2			ug/kg	50.0	94	80-125				
Surrogate: Toluene-d8	52.4			ug/kg	50.0	105	80-120				

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11264

Sampled: 09/14/10-09/15/10

Received: 09/15/10

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.
- 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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1264

Sampled: 09/14/10-09/15/10
Received: 09/15/10

Certification Summary

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Method	Matrix	Nelac	California
EPA 8260B	Soil	X	X
TPHby GC/MS	Soil	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

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Project Manager

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654 (not Chevron)
601 S. Vail Ave. Montebello, CA

Sampled: 09/16/10
Received: 09/16/10
Issued: 09/27/10 14:02

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID

ITI1419-01
ITI1419-02
ITI1419-03

CLIENT ID

TK-92-PIPING-80-S-3-100916
TK-92-PIPING 100NE-S-2-100916
TK-92-PIPING-100-S-3-100916

MATRIX

Soil
Soil
Soil

Reviewed By:



TestAmerica Irvine

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Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
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 Attention: Steve Targanyan

Project ID: CVX 1001654 (not Chevron)
 601 S. Vail Ave. Montebello, CA
 Report Number: ITI1419

Sampled: 09/16/10
 Received: 09/16/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI1419-01 (TK-92-PIPING-80-S-3-100916 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1011990	50	83	100	0.826	09/17/10	09/20/10	
Surrogate: Dibromofluoromethane (80-125%)					95 %				
Surrogate: Toluene-d8 (80-120%)					105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					101 %				
Sample ID: ITI1419-02 (TK-92-PIPING-100NE-S-2-100916 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1011990	57	95	ND	0.949	09/17/10	09/20/10	
Surrogate: Dibromofluoromethane (80-125%)					96 %				
Surrogate: Toluene-d8 (80-120%)					105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					101 %				
Sample ID: ITI1419-03 (TK-92-PIPING-100-S-3-100916 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPHby GC/MS	1011990	47	79	ND	0.789	09/17/10	09/20/10	
Surrogate: Dibromofluoromethane (80-125%)					96 %				
Surrogate: Toluene-d8 (80-120%)					105 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					101 %				

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Project ID: CVX 1001654 (not Chevron)
601 S. Vail Ave. Montebello, CA
Report Number: IT11419

Sampled: 09/16/10
Received: 09/16/10

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11419-01 (TK-92-PIPING-80-S-3-100916 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10I1990	0.41	1.7	ND	0.826	09/17/10	09/20/10	
Toluene	EPA 8260B	10I1990	0.41	1.7	ND	0.826	09/17/10	09/20/10	
m,p-Xylenes	EPA 8260B	10I1990	0.66	1.7	ND	0.826	09/17/10	09/20/10	
Xylene	EPA 8260B	10I1990	0.41	1.7	ND	0.826	09/17/10	09/20/10	
Xylenes, Total	EPA 8260B	10I1990	1.1	3.3	ND	0.826	09/17/10	09/20/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I1990	0.41	4.1	ND	0.826	09/17/10	09/20/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I1990	0.48	4.1	ND	0.826	09/17/10	09/20/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10I1990	0.83	4.1	ND	0.826	09/17/10	09/20/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I1990	0.53	4.1	ND	0.826	09/17/10	09/20/10	
tert-Butanol (TBA)	EPA 8260B	10I1990	8.3	41	ND	0.826	09/17/10	09/20/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									101 %
Surrogate: Dibromofluoromethane (80-125%)									95 %
Surrogate: Toluene-d8 (80-120%)									105 %

Sample ID: IT11419-02 (TK-92-PIPING-100NE-S-2-100916 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10I1990	0.47	1.9	ND	0.949	09/17/10	09/20/10	
Toluene	EPA 8260B	10I1990	0.47	1.9	ND	0.949	09/17/10	09/20/10	
m,p-Xylenes	EPA 8260B	10I1990	0.76	1.9	ND	0.949	09/17/10	09/20/10	
Xylene	EPA 8260B	10I1990	0.47	1.9	ND	0.949	09/17/10	09/20/10	
Xylenes, Total	EPA 8260B	10I1990	1.2	3.8	ND	0.949	09/17/10	09/20/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I1990	0.47	4.7	ND	0.949	09/17/10	09/20/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I1990	0.55	4.7	ND	0.949	09/17/10	09/20/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10I1990	0.95	4.7	ND	0.949	09/17/10	09/20/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I1990	0.61	4.7	ND	0.949	09/17/10	09/20/10	
tert-Butanol (TBA)	EPA 8260B	10I1990	9.5	47	ND	0.949	09/17/10	09/20/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									101 %
Surrogate: Dibromofluoromethane (80-125%)									96 %
Surrogate: Toluene-d8 (80-120%)									105 %

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 Attention: Steve Targanyan

Project ID: CVX 1001654 (not Chevron)
 601 S. Vail Ave, Montebello, CA
 Report Number: IT11419

Sampled: 09/16/10
 Received: 09/16/10

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11419-03 (TK-92-PIPING-100-S-3-100916 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	1011990	0.39	1.6	ND	0.789	09/17/10	09/20/10	
Ethylbenzene	EPA 8260B	1011990	0.39	1.6	ND	0.789	09/17/10	09/20/10	
Toluene	EPA 8260B	1011990	0.39	1.6	ND	0.789	09/17/10	09/20/10	
m,p-Xylenes	EPA 8260B	1011990	0.63	1.6	ND	0.789	09/17/10	09/20/10	
o-Xylene	EPA 8260B	1011990	0.39	1.6	ND	0.789	09/17/10	09/20/10	
Xylenes, Total	EPA 8260B	1011990	1.0	3.2	ND	0.789	09/17/10	09/20/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	1011990	0.39	3.9	ND	0.789	09/17/10	09/20/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	1011990	0.46	3.9	ND	0.789	09/17/10	09/20/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	1011990	0.79	3.9	ND	0.789	09/17/10	09/20/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	1011990	0.50	3.9	ND	0.789	09/17/10	09/20/10	
tert-Butanol (TBA)	EPA 8260B	1011990	7.9	39	ND	0.789	09/17/10	09/20/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					101 %				
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					96 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					105 %				

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Project ID: CVX 1001654 (not Chevron)
601 S. Vail Ave. Montebello, CA
Report Number: ITI1419

Sampled: 09/16/10
Received: 09/16/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: TK-92-PIPING-80-S-3-100916 (ITI1419-01) - Soil					
EPA 8260B	2	09/16/2010 10:00	09/16/2010 16:50	09/17/2010 10:00	09/20/2010 21:26
TPHby CC/MS	2	09/16/2010 10:00	09/16/2010 16:50	09/17/2010 10:00	09/20/2010 21:26
Sample ID: TK-92-PIPING-100NE-S-2-100916 (ITI1419-02) - Soil					
EPA 8260B	2	09/16/2010 10:10	09/16/2010 16:50	09/17/2010 10:00	09/20/2010 21:54
TPHby CC/MS	2	09/16/2010 10:10	09/16/2010 16:50	09/17/2010 10:00	09/20/2010 21:54
Sample ID: TK-92-PIPING-100-S-3-100916 (ITI1419-03) - Soil					
EPA 8260B	2	09/16/2010 13:15	09/16/2010 16:50	09/17/2010 10:00	09/20/2010 22:22
TPHby CC/MS	2	09/16/2010 13:15	09/16/2010 16:50	09/17/2010 10:00	09/20/2010 22:22

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Project ID: CVX 1001654 (not Chevron)
 601 S. Vail Ave. Montebello, CA
 Report Number: ITI1419

Sampled: 09/16/10
 Received: 09/16/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1990 Extracted: 09/20/10											
Blank Analyzed: 09/20/2010 (10I1990-BLK1)											
Volatiles Fuel Hydrocarbons (C4-C12)	ND	100	60	ug/kg							
Surrogate: Dibromofluoromethane	49.0			ug/kg	50.0		98	80-125			
Surrogate: Toluene-d8	52.4			ug/kg	50.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	51.0			ug/kg	50.0		102	80-120			
LCS Analyzed: 09/20/2010 (10I1990-BS2)											
Volatiles Fuel Hydrocarbons (C4-C12)	668	100	60	ug/kg	1000		67	60-135			
Surrogate: Dibromofluoromethane	49.4			ug/kg	50.0		99	80-125			
Surrogate: Toluene-d8	52.8			ug/kg	50.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	51.0			ug/kg	50.0		102	80-120			
Matrix Spike Analyzed: 09/20/2010 (10I1990-MS1)											
						Source: ITI1497-05					
Volatiles Fuel Hydrocarbons (C4-C12)	1780	99	59	ug/kg	3410	118	49	50-140			M2
Surrogate: Dibromofluoromethane	53.1			ug/kg	49.4		107	80-125			
Surrogate: Toluene-d8	49.4			ug/kg	49.4		100	80-120			
Surrogate: 4-Bromofluorobenzene	47.1			ug/kg	49.4		95	80-120			
Matrix Spike Dup Analyzed: 09/20/2010 (10I1990-MSD1)											
						Source: ITI1497-05					
Volatiles Fuel Hydrocarbons (C4-C12)	1660	100	60	ug/kg	3440	118	45	50-140	7	25	M2
Surrogate: Dibromofluoromethane	52.1			ug/kg	49.9		104	80-125			
Surrogate: Toluene-d8	50.0			ug/kg	49.9		100	80-120			
Surrogate: 4-Bromofluorobenzene	48.1			ug/kg	49.9		96	80-120			

TestAmerica Irvine

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Project ID: CVX 1001654 (not Chevron)
601 S. Vail Ave. Montebello, CA
Report Number: IT11419

Sampled: 09/16/10
Received: 09/16/10

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I1990 Extracted: 09/20/10											
Blank Analyzed: 09/20/2010 (10I1990-BLK1)											
Benzene	ND	2.0	0.50	ug/kg							
Ethylbenzene	ND	2.0	0.50	ug/kg							
Toluene	ND	2.0	0.50	ug/kg							
m-Xylenes	ND	2.0	0.80	ug/kg							
p-Xylene	ND	2.0	0.50	ug/kg							
o-Xylene	ND	2.0	0.50	ug/kg							
Xylenes, Total	ND	4.0	1.3	ug/kg							
Di-isopropyl Ether (DIPE)	ND	5.0	0.50	ug/kg							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.58	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	1.0	ug/kg							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.64	ug/kg							
tert-Butanol (TBA)	ND	50	10	ug/kg							
Surrogate: 4-Bromofluorobenzene	51.0			ug/kg	50.0		102	80-120			
Surrogate: Dibromofluoromethane	49.0			ug/kg	50.0		98	80-125			
Surrogate: Toluene-d8	52.4			ug/kg	50.0		105	80-120			
LCS Analyzed: 09/20/2010 (10I1990-BS1)											
Benzene	47.2	2.0	0.50	ug/kg	50.0		94	65-120			
Ethylbenzene	47.7	2.0	0.50	ug/kg	50.0		95	70-125			
Toluene	44.9	2.0	0.50	ug/kg	50.0		90	70-125			
m-Xylenes	96.9	2.0	0.80	ug/kg	100		97	70-125			
p-Xylene	49.6	2.0	0.50	ug/kg	50.0		99	70-125			
Xylenes, Total	147	4.0	1.3	ug/kg	150		98	70-125			
Di-isopropyl Ether (DIPE)	48.0	5.0	0.50	ug/kg	50.0		96	60-140			
Ethyl tert-Butyl Ether (ETBE)	46.6	5.0	0.58	ug/kg	50.0		93	60-140			
Methyl-tert-butyl Ether (MTBE)	48.1	5.0	1.0	ug/kg	50.0		96	60-140			
tert-Amyl Methyl Ether (TAME)	47.7	5.0	0.64	ug/kg	50.0		95	60-145			
tert-Butanol (TBA)	212	50	10	ug/kg	250		85	70-135			
Surrogate: 4-Bromofluorobenzene	51.2			ug/kg	50.0		102	80-120			
Surrogate: Dibromofluoromethane	50.5			ug/kg	50.0		101	80-125			
Surrogate: Toluene-d8	51.6			ug/kg	50.0		103	80-120			

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Report Number: ITI1419

Sampled: 09/16/10
Received: 09/16/10

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1011990 Extracted: 09/20/10											
Matrix Spike Analyzed: 09/20/2010 (1011990-MS1)						Source: ITI1497-05					
Benzene	49.2	2.0	0.49	ug/k g	49.4	ND	100	65-130			
Ethylbenzene	44.3	2.0	0.49	ug/k g	49.4	ND	90	70-135			
Toluene	43.0	2.0	0.49	ug/k g	49.4	ND	87	70-130			
m,p-Xylenes	86.5	2.0	0.79	ug/k g	98.8	ND	88	70-130			
o-Xylene	44.7	2.0	0.49	ug/k g	49.4	ND	91	65-130			
Xylenes, Total	131	4.0	1.3	ug/k g	148	ND	89	70-125			
Di-isopropyl Ether (DIPE)	53.8	4.9	0.49	ug/k g	49.4	ND	109	60-150			
Ethyl tert-Butyl Ether (ETBE)	52.8	4.9	0.57	ug/k g	49.4	ND	107	60-145			
Methyl-tert-butyl Ether (MTBE)	56.3	4.9	0.99	ug/k g	49.4	ND	114	55-155			
tert-Amyl Methyl Ether (TAME)	54.4	4.9	0.63	ug/k g	49.4	ND	110	60-150			
tert-Butanol (TBA)	207	49	9.9	ug/k g	247	ND	84	65-145			
Surrogate: 4-Bromofluorobenzene	47.1			ug/kg	49.4		95	80-120			
Surrogate: Dibromofluoromethane	53.1			ug/kg	49.4		107	80-125			
Surrogate: Toluene-d8	49.4			ug/kg	49.4		100	80-120			
Matrix Spike Dup Analyzed: 09/20/2010 (1011990-MSD1)						Source: ITI1497-05					
Benzene	49.3	2.0	0.50	ug/k g	49.9	ND	99	65-130	0.2	20	
Ethylbenzene	42.7	2.0	0.50	ug/k g	49.9	ND	86	70-135	4	25	
Toluene	42.1	2.0	0.50	ug/k g	49.9	ND	84	70-130	2	20	
m,p-Xylenes	82.9	2.0	0.80	ug/k g	99.8	ND	83	70-130	4	25	
o-Xylene	43.2	2.0	0.50	ug/k g	49.9	ND	87	65-130	3	25	
Xylenes, Total	126	4.0	1.3	ug/k g	150	ND	84	70-125	4	25	
Di-isopropyl Ether (DIPE)	56.1	5.0	0.50	ug/k g	49.9	ND	112	60-150	4	25	
Ethyl tert-Butyl Ether (ETBE)	55.2	5.0	0.58	ug/k g	49.9	ND	111	60-145	4	30	
Methyl-tert-butyl Ether (MTBE)	58.1	5.0	1.0	ug/k g	49.9	ND	116	55-155	3	35	
tert-Amyl Methyl Ether (TAME)	56.7	5.0	0.64	ug/k g	49.9	ND	114	60-150	4	25	
tert-Butanol (TBA)	223	50	10	ug/k g	250	ND	90	65-145	7	30	
Surrogate: 4-Bromofluorobenzene	48.1			ug/kg	49.9		96	80-120			
Surrogate: Dibromofluoromethane	52.1			ug/kg	49.9		104	80-125			
Surrogate: Toluene-d8	50.0			ug/kg	49.9		100	80-120			

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Project ID: CVX 1001654 (not Chevron)
601 S. Vail Ave. Montebello, CA
Report Number: IT11419

Sampled: 09/16/10
Received: 09/16/10

DATA QUALIFIERS AND DEFINITIONS

- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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Sampled: 09/16/10
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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8260B	Soil	X	X
TPHby CC/MS	Soil	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

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LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654 601 S. Vail Ave.
Montebello, CA

Sampled: 09/23/10
Received: 09/23/10
Issued: 10/04/10 16:17

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID

ITI2057-01

CLIENT ID

Sample-1-S-3-100923

MATRIX

Soil

Reviewed By:



TestAmerica Irvine

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Project Manager

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590 West Central Avenue, Suite I
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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI2057-01 (Sample-I-S-3-100923 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10I3417	3.5	5.0	6.0	1	09/30/10	10/01/10	
ORO (C23-C40)	EPA 8015B	10I3417	3.5	5.0	43	1	09/30/10	10/01/10	
EFH (C13 - C40)	EPA 8015B	10I3417	3.5	5.0	49	1	09/30/10	10/01/10	
Surrogate: n-Octacosane (40-140%)					39 %				ZX

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ITI2057 <Page 2 of 18>

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI2057-01 (Sample-1-S-3-100923 - Soil)									
Reporting Units: ug/kg									
CHRO (C4 - C12)	EPA 8015 Mod.	1012994	6600	18000	31000	44.3	09/24/10	09/28/10	
Surrogate: 4-BFB (FID) (65-140%)					108 %				

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Report Number: ITI2057

Sampled: 09/23/10

Received: 09/23/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI2057-01 (Sample-1-S-3-100923 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	1012868	4300	8900	40000	88.7	09/24/10	09/27/10	
Surrogate: Dibromofluoromethane (55-140%)					92 %				
Surrogate: Toluene-d8 (60-140%)					105 %				
Surrogate: 4-Bromofluorobenzene (65-140%)					102 %				

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI2057-01 (Sample-1-S-3-100923 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10I2868	30	89	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	30	220	ND	88.7	09/24/10	09/27/10	
m-xylene	EPA 8260B	10I2868	44	220	ND	88.7	09/24/10	09/27/10	
Bromodichloromethane	EPA 8260B	10I2868	27	89	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	35	220	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	40	220	ND	88.7	09/24/10	09/27/10	
n-Butylbenzene	EPA 8260B	10I2868	30	220	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	27	220	33	88.7	09/24/10	09/27/10	J
o-xylene	EPA 8260B	10I2868	24	220	ND	88.7	09/24/10	09/27/10	
Carbon tetrachloride	EPA 8260B	10I2868	25	220	ND	88.7	09/24/10	09/27/10	
Chlorobenzene	EPA 8260B	10I2868	27	89	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	40	220	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	39	89	ND	88.7	09/24/10	09/27/10	
Chloromethane	EPA 8260B	10I2868	44	220	ND	88.7	09/24/10	09/27/10	
m-xylene	EPA 8260B	10I2868	28	220	ND	88.7	09/24/10	09/27/10	
m-xylene	EPA 8260B	10I2868	28	220	ND	88.7	09/24/10	09/27/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10I2868	52	220	ND	88.7	09/24/10	09/27/10	
Dibromochloromethane	EPA 8260B	10I2868	24	89	ND	88.7	09/24/10	09/27/10	
2-Dibromoethane (EDB)	EPA 8260B	10I2868	35	89	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	37	89	ND	88.7	09/24/10	09/27/10	
1,2-Dichlorobenzene	EPA 8260B	10I2868	28	89	ND	88.7	09/24/10	09/27/10	
3-Dichlorobenzene	EPA 8260B	10I2868	27	89	ND	88.7	09/24/10	09/27/10	
4-Dichlorobenzene	EPA 8260B	10I2868	30	89	ND	88.7	09/24/10	09/27/10	
Dichlorodifluoromethane	EPA 8260B	10I2868	54	180	ND	88.7	09/24/10	09/27/10	
1,1-Dichloroethane	EPA 8260B	10I2868	35	89	ND	88.7	09/24/10	09/27/10	
2-Dichloroethane	EPA 8260B	10I2868	36	89	ND	88.7	09/24/10	09/27/10	
1,1-Dichloroethene	EPA 8260B	10I2868	43	220	ND	88.7	09/24/10	09/27/10	
cis-1,2-Dichloroethene	EPA 8260B	10I2868	43	89	ND	88.7	09/24/10	09/27/10	
trans-1,2-Dichloroethene	EPA 8260B	10I2868	44	89	ND	88.7	09/24/10	09/27/10	
1,2-Dichloropropane	EPA 8260B	10I2868	31	89	ND	88.7	09/24/10	09/27/10	
1,3-Dichloropropane	EPA 8260B	10I2868	32	89	ND	88.7	09/24/10	09/27/10	
2-Dichloropropane	EPA 8260B	10I2868	24	89	ND	88.7	09/24/10	09/27/10	
cis-1,3-Dichloropropene	EPA 8260B	10I2868	32	89	ND	88.7	09/24/10	09/27/10	
trans-1,3-Dichloropropene	EPA 8260B	10I2868	31	89	ND	88.7	09/24/10	09/27/10	
1,1-Dichloropropene	EPA 8260B	10I2868	35	89	ND	88.7	09/24/10	09/27/10	
o-xylene	EPA 8260B	10I2868	24	89	430	88.7	09/24/10	09/27/10	
hexachlorobutadiene	EPA 8260B	10I2868	35	220	ND	88.7	09/24/10	09/27/10	
Isopropylbenzene	EPA 8260B	10I2868	31	89	84	88.7	09/24/10	09/27/10	J
Isopropyltoluene	EPA 8260B	10I2868	43	89	ND	88.7	09/24/10	09/27/10	
ethylene chloride	EPA 8260B	10I2868	380	890	ND	88.7	09/24/10	09/27/10	
Naphthalene	EPA 8260B	10I2868	72	220	ND	88.7	09/24/10	09/27/10	

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Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI2057-01 (Sample-1-S-3-100923 - Soil) - cont.									
Reporting Units: ug/kg									
n-Propylbenzene	EPA 8260B	10I2868	32	89	320	88.7	09/24/10	09/27/10	
Styrene	EPA 8260B	10I2868	27	89	ND	88.7	09/24/10	09/27/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10I2868	19	220	ND	88.7	09/24/10	09/27/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10I2868	48	89	ND	88.7	09/24/10	09/27/10	
Tetrachloroethene	EPA 8260B	10I2868	39	89	ND	88.7	09/24/10	09/27/10	
Toluene	EPA 8260B	10I2868	29	89	ND	88.7	09/24/10	09/27/10	
1,2,3-Trichlorobenzene	EPA 8260B	10I2868	51	220	ND	88.7	09/24/10	09/27/10	
1,2,4-Trichlorobenzene	EPA 8260B	10I2868	45	220	ND	88.7	09/24/10	09/27/10	
1,1,1-Trichloroethane	EPA 8260B	10I2868	34	89	ND	88.7	09/24/10	09/27/10	
1,1,2-Trichloroethane	EPA 8260B	10I2868	47	89	ND	88.7	09/24/10	09/27/10	
Trichloroethene	EPA 8260B	10I2868	34	89	ND	88.7	09/24/10	09/27/10	
Trichlorofluoromethane	EPA 8260B	10I2868	51	220	ND	88.7	09/24/10	09/27/10	
1,2,3-Trichloropropane	EPA 8260B	10I2868	43	440	ND	88.7	09/24/10	09/27/10	
1,2,4-Trimethylbenzene	EPA 8260B	10I2868	29	89	2200	88.7	09/24/10	09/27/10	
1,3,5-Trimethylbenzene	EPA 8260B	10I2868	27	89	940	88.7	09/24/10	09/27/10	
Vinyl chloride	EPA 8260B	10I2868	58	220	ND	88.7	09/24/10	09/27/10	
m,p-Xylenes	EPA 8260B	10I2868	47	89	860	88.7	09/24/10	09/27/10	
o-Xylene	EPA 8260B	10I2868	25	89	210	88.7	09/24/10	09/27/10	
Surrogate: 4-Bromofluorobenzene (65-140%)					102 %				
Surrogate: Dibromofluoromethane (55-140%)					92 %				
Surrogate: Toluene-d8 (60-140%)					105 %				

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Sample-1-S-3-100923 (ITI2057-01) - Soil					
EPA 8015 Mod.	2	09/23/2010 09:30	09/23/2010 16:45	09/24/2010 13:30	09/28/2010 23:51
EPA 8260B	2	09/23/2010 09:30	09/23/2010 16:45	09/24/2010 13:30	09/27/2010 17:59
TPH by GC/MS	2	09/23/2010 09:30	09/23/2010 16:45	09/24/2010 13:30	09/27/2010 17:59

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Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1013417 Extracted: 09/30/10											
Blank Analyzed: 09/30/2010 (1013417-BLK1)											
DRO (C13-C22)	ND	5.0	3.5	mg/kg							
ORO (C23-C40)	ND	5.0	3.5	mg/kg							
EFH (C13 - C40)	ND	5.0	3.5	mg/kg							
EFH (C10 - C28)	ND	5.0	3.5	mg/kg							
Surrogate: n-Octacosane	5.02			mg/kg	6.67		75	40-140			
LCS Analyzed: 09/30/2010 (1013417-BS1)											
EFH (C10 - C28)	29.5	5.0	3.5	mg/kg	33.3		88	45-115			
Surrogate: n-Octacosane	5.33			mg/kg	6.67		80	40-140			
Matrix Spike Analyzed: 09/30/2010 (1013417-MS1)											
						Source: ITI1990-05					
EFH (C10 - C28)	28.7	5.0	3.5	mg/kg	33.3	ND	86	40-120			
Surrogate: n-Octacosane	5.20			mg/kg	6.67		78	40-140			
Matrix Spike Dup Analyzed: 09/30/2010 (1013417-MSD1)											
						Source: ITI1990-05					
EFH (C10 - C28)	29.1	5.0	3.5	mg/kg	33.3	ND	87	40-120	1	30	
Surrogate: n-Octacosane	5.21			mg/kg	6.67		78	40-140			

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Report Number: ITI2057

Sampled: 09/23/10
 Received: 09/23/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I2994 Extracted: 09/28/10											
Blank Analyzed: 09/28/2010 (10I2994-BLK1)											
GRO (C4 - C12)	ND	20000	7500	ug/kg							
Surrogate: 4-BFB (FID)	1830			ug/kg	2000		92	65-140			
CS Analyzed: 09/28/2010 (10I2994-BS1)											
GRO (C4 - C12)	141000	40000	15000	ug/kg	160000		88	70-135			MNR1
Surrogate: 4-BFB (FID)	3560			ug/kg	2000		178	65-140			Z2
CS Dup Analyzed: 09/28/2010 (10I2994-BSD1)											
GRO (C4 - C12)	148000	40000	15000	ug/kg	160000		92	70-135	5	20	
Surrogate: 4-BFB (FID)	3910			ug/kg	2000		196	65-140			Z2

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Sampled: 09/23/10
 Received: 09/23/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I2868 Extracted: 09/27/10										
Blank Analyzed: 09/27/2010 (10I2868-BLK1)										
Volatiles Fuel Hydrocarbons (C4-C12)	ND	10000	4900	ug/kg						
Surrogate: Dibromofluoromethane	2440			ug/kg	2500	98	55-140			
Surrogate: Toluene-d8	2710			ug/kg	2500	109	60-140			
Surrogate: 4-Bromofluorobenzene	2530			ug/kg	2500	101	65-140			
LCS Analyzed: 09/27/2010 (10I2868-BS2)										
Volatiles Fuel Hydrocarbons (C4-C12)	37400	10000	4900	ug/kg	50000	75	60-130			MNR1
Surrogate: Dibromofluoromethane	2390			ug/kg	2500	96	55-140			
Surrogate: Toluene-d8	2660			ug/kg	2500	106	60-140			
Surrogate: 4-Bromofluorobenzene	2490			ug/kg	2500	100	65-140			
LCS Dup Analyzed: 09/27/2010 (10I2868-BSD2)										
Volatiles Fuel Hydrocarbons (C4-C12)	42400	10000	4900	ug/kg	50000	85	60-130	12	25	
Surrogate: Dibromofluoromethane	2450			ug/kg	2500	98	55-140			
Surrogate: Toluene-d8	2740			ug/kg	2500	110	60-140			
Surrogate: 4-Bromofluorobenzene	2550			ug/kg	2500	102	65-140			

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Report Number: IT12057

Sampled: 09/23/10
Received: 09/23/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 1012868 Extracted: 09/27/10										
Blank Analyzed: 09/27/2010 (1012868-BLK1)										
Benzene	ND	100	34	ug/kg						
Bromobenzene	ND	250	34	ug/kg						
Bromochloromethane	ND	250	50	ug/kg						
Bromodichloromethane	ND	100	31	ug/kg						
Bromoform	ND	250	39	ug/kg						
Bromomethane	ND	250	45	ug/kg						
Butylbenzene	ND	250	34	ug/kg						
sec-Butylbenzene	ND	250	31	ug/kg						
tert-Butylbenzene	ND	250	27	ug/kg						
Carbon tetrachloride	ND	250	28	ug/kg						
Chlorobenzene	ND	100	30	ug/kg						
Chloroethane	ND	250	45	ug/kg						
Chloroform	ND	100	44	ug/kg						
Chloromethane	ND	250	50	ug/kg						
2-Chlorotoluene	ND	250	32	ug/kg						
4-Chlorotoluene	ND	250	32	ug/kg						
1,2-Dibromo-3-chloropropane	ND	250	59	ug/kg						
1,1-Dibromochloromethane	ND	100	27	ug/kg						
1,2-Dibromoethane (EDB)	ND	100	40	ug/kg						
1,1-Dibromomethane	ND	100	42	ug/kg						
1,2-Dichlorobenzene	ND	100	32	ug/kg						
1,3-Dichlorobenzene	ND	100	31	ug/kg						
1,4-Dichlorobenzene	ND	100	34	ug/kg						
1,1-Dichlorodifluoromethane	ND	200	61	ug/kg						
1,1-Dichloroethane	ND	100	40	ug/kg						
1,2-Dichloroethane	ND	100	41	ug/kg						
1,1-Dichloroethene	ND	250	48	ug/kg						
cis-1,2-Dichloroethene	ND	100	48	ug/kg						
trans-1,2-Dichloroethene	ND	100	50	ug/kg						
1,2-Dichloropropane	ND	100	35	ug/kg						
1,3-Dichloropropane	ND	100	36	ug/kg						
2,2-Dichloropropane	ND	100	27	ug/kg						
cis-1,3-Dichloropropene	ND	100	36	ug/kg						
trans-1,3-Dichloropropene	ND	100	35	ug/kg						
1,1-Dichloropropene	ND	100	39	ug/kg						

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Sampled: 09/23/10
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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1012868 Extracted: 09/27/10											
Blank Analyzed: 09/27/2010 (1012868-BLK1)											
Ethylbenzene	ND	100	27	ug/kg							
Hexachlorobutadiene	ND	250	39	ug/kg							
Isopropylbenzene	ND	100	35	ug/kg							
p-Isopropyltoluene	ND	100	48	ug/kg							
Methylene chloride	ND	1000	430	ug/kg							
Naphthalene	ND	250	81	ug/kg							
n-Propylbenzene	ND	100	36	ug/kg							
Styrene	ND	100	30	ug/kg							
1,1,1,2-Tetrachloroethane	ND	250	21	ug/kg							
1,1,2,2-Tetrachloroethane	ND	100	54	ug/kg							
Tetrachloroethene	ND	100	44	ug/kg							
Toluene	ND	100	33	ug/kg							
1,2,3-Trichlorobenzene	ND	250	58	ug/kg							
1,2,4-Trichlorobenzene	ND	250	51	ug/kg							
1,1,1-Trichloroethane	ND	100	38	ug/kg							
1,1,2-Trichloroethane	ND	100	53	ug/kg							
Trichloroethene	ND	100	38	ug/kg							
Trichlorofluoromethane	ND	250	58	ug/kg							
1,2,3-Trichloropropane	ND	500	48	ug/kg							
1,2,4-Trimethylbenzene	ND	100	33	ug/kg							
1,3,5-Trimethylbenzene	ND	100	30	ug/kg							
Vinyl chloride	ND	250	65	ug/kg							
m,p-Xylenes	ND	100	53	ug/kg							
o-Xylene	ND	100	28	ug/kg							
Surrogate: 4-Bromofluorobenzene	2530			ug/kg	2500		101	65-140			
Surrogate: Dibromofluoromethane	2440			ug/kg	2500		98	55-140			
Surrogate: Toluene-d8	2710			ug/kg	2500		109	60-140			

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 1012868 Extracted: 09/27/10											
CS Analyzed: 09/27/2010 (1012868-BS1)											
MNR1											
Benzene	2740	100	34	ug/kg	2500		110	65-120			
Bromobenzene	2750	250	34	ug/kg	2500		110	70-120			
Monochloromethane	2580	250	50	ug/kg	2500		103	65-125			
1,1-Dichloromethane	3140	100	31	ug/kg	2500		125	65-135			
Bromoform	2550	250	39	ug/kg	2500		102	50-130			
Bromomethane	1990	250	45	ug/kg	2500		80	30-140			
n-Butylbenzene	2510	250	34	ug/kg	2500		101	70-130			
sec-Butylbenzene	2690	250	31	ug/kg	2500		108	70-125			
tert-Butylbenzene	2610	250	27	ug/kg	2500		104	70-125			
Carbon tetrachloride	3000	250	28	ug/kg	2500		120	65-145			
Chlorobenzene	2600	100	30	ug/kg	2500		104	70-125			
Chloroethane	1900	250	45	ug/kg	2500		76	40-140			
Chloroform	2720	100	44	ug/kg	2500		109	75-130			
Chloromethane	2390	250	50	ug/kg	2500		95	30-140			
2-Chlorotoluene	2580	250	32	ug/kg	2500		103	70-125			
4-Chlorotoluene	2600	250	32	ug/kg	2500		104	70-125			
1,2-Dibromo-3-chloropropane	2880	250	59	ug/kg	2500		115	45-135			
1,1-Dibromochloromethane	3040	100	27	ug/kg	2500		122	65-140			
1,2-Dibromochloroethane (EDB)	2840	100	40	ug/kg	2500		113	70-130			
1,1-Dibromomethane	2710	100	42	ug/kg	2500		108	65-130			
1,2-Dichlorobenzene	2700	100	32	ug/kg	2500		108	70-120			
1,3-Dichlorobenzene	2690	100	31	ug/kg	2500		108	70-125			
1,4-Dichlorobenzene	2660	100	34	ug/kg	2500		106	70-125			
1,1,1-Trichloroethane	2470	200	61	ug/kg	2500		99	10-155			
1,1-Dichloroethane	2640	100	40	ug/kg	2500		106	65-130			
1,2-Dichloroethane	2880	100	41	ug/kg	2500		115	60-145			
1,1-Dichloroethene	2580	250	48	ug/kg	2500		103	75-140			
cis-1,2-Dichloroethene	2560	100	48	ug/kg	2500		102	65-130			
trans-1,2-Dichloroethene	2510	100	50	ug/kg	2500		101	65-130			
1,2-Dichloropropane	2780	100	35	ug/kg	2500		111	75-125			
1,3-Dichloropropane	2910	100	36	ug/kg	2500		116	65-130			
2,2-Dichloropropane	2580	100	27	ug/kg	2500		103	60-145			
cis-1,3-Dichloropropene	2970	100	36	ug/kg	2500		119	70-130			
trans-1,3-Dichloropropene	3190	100	35	ug/kg	2500		128	65-135			
cis-1,1-Dichloropropene	2890	100	39	ug/kg	2500		116	70-130			

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Report Number: ITI2057

Sampled: 09/23/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1012868 Extracted: 09/27/10											
LCS Analyzed: 09/27/2010 (1012868-BS1)											
Ethylbenzene	2750	100	27	ug/kg	2500		110	80-120			MNR1
Hexachlorobutadiene	3040	250	39	ug/kg	2500		122	60-135			
Isopropylbenzene	2630	100	35	ug/kg	2500		105	70-125			
p-Isopropyltoluene	2520	100	48	ug/kg	2500		101	70-125			
Methylene chloride	2420	1000	430	ug/kg	2500		97	60-140			
Naphthalene	2450	250	81	ug/kg	2500		98	50-140			
n-Propylbenzene	2580	100	36	ug/kg	2500		103	70-130			
Styrene	3000	100	30	ug/kg	2500		120	70-135			
1,1,1,2-Tetrachloroethane	2980	250	21	ug/kg	2500		119	70-140			
1,1,2,2-Tetrachloroethane	2670	100	54	ug/kg	2500		107	55-135			
Tetrachloroethene	2800	100	44	ug/kg	2500		112	65-125			
Toluene	2580	100	33	ug/kg	2500		103	80-120			
1,2,3-Trichlorobenzene	2720	250	58	ug/kg	2500		109	60-135			
1,2,4-Trichlorobenzene	2660	250	51	ug/kg	2500		106	65-135			
1,1,1-Trichloroethane	2690	100	38	ug/kg	2500		108	65-140			
1,1,2-Trichloroethane	2820	100	53	ug/kg	2500		113	65-130			
Trichloroethene	2670	100	38	ug/kg	2500		107	70-130			
Trichlorofluoromethane	3100	250	58	ug/kg	2500		124	50-145			
1,2,3-Trichloropropane	2660	500	48	ug/kg	2500		106	55-130			
1,2,4-Trimethylbenzene	2850	100	33	ug/kg	2500		114	70-125			
1,3,5-Trimethylbenzene	2810	100	30	ug/kg	2500		112	70-125			
Vinyl chloride	1310	250	65	ug/kg	2500		52	10-120			
m,p-Xylenes	5670	100	53	ug/kg	5000		113	70-125			
o-Xylene	2890	100	28	ug/kg	2500		116	70-125			
Surrogate: 4-Bromofluorobenzene	2550			ug/kg	2500		102	65-140			
Surrogate: Dibromofluoromethane	2450			ug/kg	2500		98	55-140			
Surrogate: Toluene-d8	2650			ug/kg	2500		106	60-140			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I2868 Extracted: 09/27/10											
CS Dup Analyzed: 09/27/2010 (10I2868-BSD1)											
Benzene	2870	100	34	ug/kg	2500	115	65-120	5	20		
Bromobenzene	2800	250	34	ug/kg	2500	112	70-120	2	20		
monochloromethane	2700	250	50	ug/kg	2500	108	65-125	4	20		
monodichloromethane	3250	100	31	ug/kg	2500	130	65-135	3	20		
Bromoform	2620	250	39	ug/kg	2500	105	50-130	3	25		
Bromomethane	2080	250	45	ug/kg	2500	83	30-140	5	30		
n-Butylbenzene	2580	250	34	ug/kg	2500	103	70-130	3	20		
sec-Butylbenzene	2770	250	31	ug/kg	2500	111	70-125	3	20		
tert-Butylbenzene	2660	250	27	ug/kg	2500	106	70-125	2	20		
Carbon tetrachloride	3190	250	28	ug/kg	2500	128	65-145	6	20		
o-Chlorobenzene	2670	100	30	ug/kg	2500	107	70-125	2	20		
Chloroethane	2130	250	45	ug/kg	2500	85	40-140	11	25		
Chloroform	2840	100	44	ug/kg	2500	114	75-130	4	20		
Chloromethane	2510	250	50	ug/kg	2500	100	30-140	5	25		
2-Chlorotoluene	2630	250	32	ug/kg	2500	105	70-125	2	20		
4-Chlorotoluene	2680	250	32	ug/kg	2500	107	70-125	3	20		
1,1-Dibromo-3-chloropropane	2900	250	59	ug/kg	2500	116	45-135	0.7	25		
1,1-Dibromochloromethane	3080	100	27	ug/kg	2500	123	65-140	1	20		
1,2-Dibromoethane (EDB)	2970	100	40	ug/kg	2500	119	70-130	5	20		
1,1-Dibromomethane	2810	100	42	ug/kg	2500	113	65-130	4	20		
1,2-Dichlorobenzene	2770	100	32	ug/kg	2500	111	70-120	3	20		
1,3-Dichlorobenzene	2820	100	31	ug/kg	2500	113	70-125	5	20		
1,4-Dichlorobenzene	2730	100	34	ug/kg	2500	109	70-125	3	20		
1,1-Dichlorodifluoromethane	2490	200	61	ug/kg	2500	100	10-155	1	30		
1,1-Dichloroethane	2780	100	40	ug/kg	2500	111	65-130	5	20		
1,2-Dichloroethane	2940	100	41	ug/kg	2500	118	60-145	2	20		
1,1-Dichloroethene	2480	250	48	ug/kg	2500	99	75-140	4	20		
cis-1,2-Dichloroethene	2680	100	48	ug/kg	2500	107	65-130	5	20		
trans-1,2-Dichloroethene	2660	100	50	ug/kg	2500	107	65-130	6	20		
1,1-Dichloropropane	2880	100	35	ug/kg	2500	115	75-125	4	20		
1,2-Dichloropropane	2930	100	36	ug/kg	2500	117	65-130	0.7	20		
2,2-Dichloropropane	2730	100	27	ug/kg	2500	109	60-145	6	25		
cis-1,3-Dichloropropene	3110	100	36	ug/kg	2500	124	70-130	4	20		
trans-1,3-Dichloropropene	3300	100	35	ug/kg	2500	132	65-135	3	20		
1,1-Dichloropropene	2980	100	39	ug/kg	2500	119	70-130	3	20		

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Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1012868 Extracted: 09/27/10											
LCS Dup Analyzed: 09/27/2010 (1012868-BSD1)											
Ethylbenzene	2840	100	27	ug/kg	2500	114	80-120	3	20		
Hexachlorobutadiene	3090	250	39	ug/kg	2500	124	60-135	2	20		
Isopropylbenzene	2680	100	35	ug/kg	2500	107	70-125	2	20		
p-Isopropyltoluene	2560	100	48	ug/kg	2500	103	70-125	2	20		
Methylene chloride	2370	1000	430	ug/kg	2500	95	60-140	2	20		
Naphthalene	2540	250	81	ug/kg	2500	102	50-140	4	25		
n-Propylbenzene	2630	100	36	ug/kg	2500	105	70-130	2	20		
Styrene	3080	100	30	ug/kg	2500	123	70-135	3	20		
1,1,1,2-Tetrachloroethane	3010	250	21	ug/kg	2500	120	70-140	1	20		
1,1,2,2-Tetrachloroethane	2720	100	54	ug/kg	2500	109	55-135	2	25		
Tetrachloroethene	2850	100	44	ug/kg	2500	114	65-125	2	20		
Toluene	2710	100	33	ug/kg	2500	108	80-120	5	20		
1,2,3-Trichlorobenzene	2830	250	58	ug/kg	2500	113	60-135	4	20		
1,2,4-Trichlorobenzene	2780	250	51	ug/kg	2500	111	65-135	4	20		
1,1,1-Trichloroethane	2820	100	38	ug/kg	2500	113	65-140	5	20		
1,1,2-Trichloroethane	2960	100	53	ug/kg	2500	118	65-130	5	20		
Trichloroethene	2800	100	38	ug/kg	2500	112	70-130	5	20		
Trichlorofluoromethane	3070	250	58	ug/kg	2500	123	50-145	1	25		
1,2,3-Trichloropropane	2720	500	48	ug/kg	2500	109	55-130	2	25		
1,2,4-Trimethylbenzene	2910	100	33	ug/kg	2500	117	70-125	2	20		
1,3,5-Trimethylbenzene	2880	100	30	ug/kg	2500	115	70-125	2	20		
Vinyl chloride	1410	250	65	ug/kg	2500	56	10-120	7	30		
m,p-Xylenes	5800	100	53	ug/kg	5000	116	70-125	2	20		
o-Xylene	2940	100	28	ug/kg	2500	117	70-125	1	20		
Surrogate: 4-Bromofluorobenzene	2580			ug/kg	2500	103	65-140				
Surrogate: Dibromofluoromethane	2520			ug/kg	2500	101	55-140				
Surrogate: Toluene-d8	2730			ug/kg	2500	109	60-140				

TestAmerica Irvine

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SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
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Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

DATA QUALIFIERS AND DEFINITIONS

- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- NR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
- 2** Surrogate recovery was above the acceptance limits. Data not impacted.
- X** 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 GRO (C4-C12):

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

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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

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Report Number: ITI2057

Sampled: 09/23/10
Received: 09/23/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015 Mod.	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X
TPH by GC/MS	Soil	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

Lena Davidkova
Project Manager

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LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654 601 S. Vail Ave.
Montebello, CA

Sampled: 09/20/10
Received: 09/21/10
Issued: 10/04/10 14:17

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
ITI1720-01	SP-1-S-100920	Soil
ITI1720-02	SP-2-S-100920	Soil
ITI1720-03	SP-3-S-100920	Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

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 590 West Central Avenue, Suite 1
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 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
 Received: 09/21/10

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI1720-01 (SP-1-S-100920 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10I2524	3.5	5.0	12	1	09/23/10	09/23/10	
ORO (C23-C40)	EPA 8015B	10I2524	3.5	5.0	61	1	09/23/10	09/23/10	
EFH (C13 - C40)	EPA 8015B	10I2524	3.5	5.0	73	1	09/23/10	09/23/10	
Surrogate: n-Octacosane (40-140%)					116 %				
Sample ID: ITI1720-02 (SP-2-S-100920 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10I2524	7.0	10	10	2	09/23/10	09/23/10	
ORO (C23-C40)	EPA 8015B	10I2524	7.0	10	72	2	09/23/10	09/23/10	
EFH (C13 - C40)	EPA 8015B	10I2524	7.0	10	83	2	09/23/10	09/23/10	
Surrogate: n-Octacosane (40-140%)					140 %				
Sample ID: ITI1720-03 (SP-3-S-100920 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10I2524	7.0	10	38	2	09/23/10	09/23/10	
ORO (C23-C40)	EPA 8015B	10I2524	7.0	10	140	2	09/23/10	09/23/10	
EFH (C13 - C40)	EPA 8015B	10I2524	7.0	10	180	2	09/23/10	09/23/10	
Surrogate: n-Octacosane (40-140%)					110 %				

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
 Received: 09/21/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11720-01 (SP-1-S-100920 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015 Mod.	10I2415	0.14	0.37	ND	0.929	09/23/10	09/23/10	
Surrogate: 4-BFB (FID) (65-140%)					75 %				
Sample ID: IT11720-02 (SP-2-S-100920 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015 Mod.	10I2415	0.14	0.37	ND	0.917	09/23/10	09/23/10	
Surrogate: 4-BFB (FID) (65-140%)					68 %				
Sample ID: IT11720-03 (SP-3-S-100920 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015 Mod.	10I2415	0.13	0.34	ND	0.845	09/23/10	09/23/10	
Surrogate: 4-BFB (FID) (65-140%)					78 %				

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Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI1720-01 (SP-1-S-100920 - Soil)									
Reporting Units: mg/kg									
Benzene	EPA 8260B	10I2293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
Bromobenzene	EPA 8260B	10I2293	0.00084	0.0050	ND	1	09/25/10	09/25/10	
Bromochloromethane	EPA 8260B	10I2293	0.00090	0.0050	ND	1	09/25/10	09/25/10	
Bromodichloromethane	EPA 8260B	10I2293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
Bromoform	EPA 8260B	10I2293	0.00080	0.0050	ND	1	09/25/10	09/25/10	
Bromomethane	EPA 8260B	10I2293	0.00092	0.0050	ND	1	09/25/10	09/25/10	
n-Butylbenzene	EPA 8260B	10I2293	0.00072	0.0050	ND	1	09/25/10	09/25/10	
sec-Butylbenzene	EPA 8260B	10I2293	0.00067	0.0050	ND	1	09/25/10	09/25/10	
tert-Butylbenzene	EPA 8260B	10I2293	0.00062	0.0050	ND	1	09/25/10	09/25/10	
Carbon tetrachloride	EPA 8260B	10I2293	0.00050	0.0050	ND	1	09/25/10	09/25/10	
Chlorobenzene	EPA 8260B	10I2293	0.00052	0.0020	ND	1	09/25/10	09/25/10	
Chloroethane	EPA 8260B	10I2293	0.0015	0.0050	ND	1	09/25/10	09/25/10	
Chloroform	EPA 8260B	10I2293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
Chloromethane	EPA 8260B	10I2293	0.0010	0.0050	ND	1	09/25/10	09/25/10	
2-Chlorotoluene	EPA 8260B	10I2293	0.00087	0.0050	ND	1	09/25/10	09/25/10	
4-Chlorotoluene	EPA 8260B	10I2293	0.00074	0.0050	ND	1	09/25/10	09/25/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10I2293	0.0015	0.0050	ND	1	09/25/10	09/25/10	
Dibromochloromethane	EPA 8260B	10I2293	0.00070	0.0020	ND	1	09/25/10	09/25/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10I2293	0.00080	0.0020	ND	1	09/25/10	09/25/10	
Dibromomethane	EPA 8260B	10I2293	0.00090	0.0020	ND	1	09/25/10	09/25/10	
1,2-Dichlorobenzene	EPA 8260B	10I2293	0.00095	0.0020	ND	1	09/25/10	09/25/10	
1,3-Dichlorobenzene	EPA 8260B	10I2293	0.00084	0.0020	ND	1	09/25/10	09/25/10	
1,4-Dichlorobenzene	EPA 8260B	10I2293	0.00094	0.0020	ND	1	09/25/10	09/25/10	
Dichlorodifluoromethane	EPA 8260B	10I2293	0.0015	0.0050	ND	1	09/25/10	09/25/10	
1,1-Dichloroethane	EPA 8260B	10I2293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
1,2-Dichloroethane	EPA 8260B	10I2293	0.00080	0.0020	ND	1	09/25/10	09/25/10	
1,1-Dichloroethene	EPA 8260B	10I2293	0.00060	0.0050	ND	1	09/25/10	09/25/10	
cis-1,2-Dichloroethene	EPA 8260B	10I2293	0.00083	0.0020	ND	1	09/25/10	09/25/10	L, C
trans-1,2-Dichloroethene	EPA 8260B	10I2293	0.00070	0.0020	ND	1	09/25/10	09/25/10	
1,2-Dichloropropane	EPA 8260B	10I2293	0.00080	0.0020	ND	1	09/25/10	09/25/10	
1,3-Dichloropropane	EPA 8260B	10I2293	0.00063	0.0020	ND	1	09/25/10	09/25/10	
2,2-Dichloropropane	EPA 8260B	10I2293	0.00060	0.0020	ND	1	09/25/10	09/25/10	L
cis-1,3-Dichloropropene	EPA 8260B	10I2293	0.00044	0.0020	ND	1	09/25/10	09/25/10	L, C
trans-1,3-Dichloropropene	EPA 8260B	10I2293	0.00061	0.0020	ND	1	09/25/10	09/25/10	L
1,1-Dichloropropene	EPA 8260B	10I2293	0.00040	0.0020	ND	1	09/25/10	09/25/10	
Ethylbenzene	EPA 8260B	10I2293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
Hexachlorobutadiene	EPA 8260B	10I2293	0.00080	0.0050	ND	1	09/25/10	09/25/10	
Isopropylbenzene	EPA 8260B	10I2293	0.00054	0.0020	ND	1	09/25/10	09/25/10	
p-Isopropyltoluene	EPA 8260B	10I2293	0.00072	0.0020	ND	1	09/25/10	09/25/10	
Methylene chloride	EPA 8260B	10I2293	0.0065	0.020	ND	1	09/25/10	09/25/10	
Naphthalene	EPA 8260B	10I2293	0.0011	0.0050	ND	1	09/25/10	09/25/10	

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
Received: 09/21/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11720-01 (SP-1-S-100920 - Soil) - cont.									
Reporting Units: mg/kg									
n-Propylbenzene	EPA 8260B	1012293	0.00061	0.0020	ND	1	09/25/10	09/25/10	
styrene	EPA 8260B	1012293	0.00058	0.0020	ND	1	09/25/10	09/25/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	1012293	0.00057	0.0050	ND	1	09/25/10	09/25/10	L, C
1,1,1,2-Tetrachloroethane	EPA 8260B	1012293	0.00086	0.0020	ND	1	09/25/10	09/25/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	1012293	0.00049	0.0020	ND	1	09/25/10	09/25/10	
1,2,3-Trichlorobenzene	EPA 8260B	1012293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
1,2,3-Trichlorobenzene	EPA 8260B	1012293	0.0010	0.0050	ND	1	09/25/10	09/25/10	
1,2,4-Trichlorobenzene	EPA 8260B	1012293	0.0010	0.0050	ND	1	09/25/10	09/25/10	
1,1,1-Trichloroethane	EPA 8260B	1012293	0.00070	0.0020	ND	1	09/25/10	09/25/10	
1,1,2-Trichloroethane	EPA 8260B	1012293	0.00087	0.0020	ND	1	09/25/10	09/25/10	
Trichloroethene	EPA 8260B	1012293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
Trichlorofluoromethane	EPA 8260B	1012293	0.00054	0.0050	ND	1	09/25/10	09/25/10	
2,3-Trichloropropane	EPA 8260B	1012293	0.0010	0.010	ND	1	09/25/10	09/25/10	
1,2,4-Trimethylbenzene	EPA 8260B	1012293	0.00078	0.0020	ND	1	09/25/10	09/25/10	
1,3,5-Trimethylbenzene	EPA 8260B	1012293	0.00063	0.0020	ND	1	09/25/10	09/25/10	
Vinyl chloride	EPA 8260B	1012293	0.00091	0.0050	ND	1	09/25/10	09/25/10	
m,p-Xylenes	EPA 8260B	1012293	0.00080	0.0020	ND	1	09/25/10	09/25/10	
o-Xylene	EPA 8260B	1012293	0.00050	0.0020	ND	1	09/25/10	09/25/10	
Xylenes, Total	EPA 8260B	1012293	0.0013	0.0040	ND	1	09/25/10	09/25/10	
Diisopropyl Ether (DIPE)	EPA 8260B	1012293	0.00050	0.0050	ND	1	09/25/10	09/25/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	1012293	0.00058	0.0050	ND	1	09/25/10	09/25/10	
Methyl tert-butyl Ether (MTBE)	EPA 8260B	1012293	0.0010	0.0050	ND	1	09/25/10	09/25/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	1012293	0.00064	0.0050	ND	1	09/25/10	09/25/10	
tert-Butanol (TBA)	EPA 8260B	1012293	0.010	0.10	ND	1	09/25/10	09/25/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					97 %				
Surrogate: Dibromofluoromethane (80-125%)					116 %				
Surrogate: Toluene-d8 (80-120%)					103 %				

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI1720-02 (SP-2-S-100920 - Soil)									
Reporting Units: mg/kg									
Benzene	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	
Bromobenzene	EPA 8260B	10I2831	0.00083	0.0050	ND	0.994	09/26/10	09/26/10	
Bromochloromethane	EPA 8260B	10I2831	0.00089	0.0050	ND	0.994	09/26/10	09/26/10	
Bromodichloromethane	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	L
Bromoform	EPA 8260B	10I2831	0.00080	0.0050	ND	0.994	09/26/10	09/26/10	
Bromomethane	EPA 8260B	10I2831	0.00091	0.0050	ND	0.994	09/26/10	09/26/10	
n-Butylbenzene	EPA 8260B	10I2831	0.00072	0.0050	ND	0.994	09/26/10	09/26/10	
sec-Butylbenzene	EPA 8260B	10I2831	0.00067	0.0050	ND	0.994	09/26/10	09/26/10	
tert-Butylbenzene	EPA 8260B	10I2831	0.00062	0.0050	ND	0.994	09/26/10	09/26/10	
Carbon tetrachloride	EPA 8260B	10I2831	0.00050	0.0050	ND	0.994	09/26/10	09/26/10	
Chlorobenzene	EPA 8260B	10I2831	0.00052	0.0020	ND	0.994	09/26/10	09/26/10	
Chloroethane	EPA 8260B	10I2831	0.0015	0.0050	ND	0.994	09/26/10	09/26/10	
Chloroform	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	
Chloromethane	EPA 8260B	10I2831	0.00099	0.0050	ND	0.994	09/26/10	09/26/10	
2-Chlorotoluene	EPA 8260B	10I2831	0.00086	0.0050	ND	0.994	09/26/10	09/26/10	
4-Chlorotoluene	EPA 8260B	10I2831	0.00074	0.0050	ND	0.994	09/26/10	09/26/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10I2831	0.0015	0.0050	ND	0.994	09/26/10	09/26/10	
Dibromochloromethane	EPA 8260B	10I2831	0.00070	0.0020	ND	0.994	09/26/10	09/26/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10I2831	0.00080	0.0020	ND	0.994	09/26/10	09/26/10	
Dibromomethane	EPA 8260B	10I2831	0.00089	0.0020	ND	0.994	09/26/10	09/26/10	
1,2-Dichlorobenzene	EPA 8260B	10I2831	0.00094	0.0020	ND	0.994	09/26/10	09/26/10	
1,3-Dichlorobenzene	EPA 8260B	10I2831	0.00083	0.0020	ND	0.994	09/26/10	09/26/10	
1,4-Dichlorobenzene	EPA 8260B	10I2831	0.00093	0.0020	ND	0.994	09/26/10	09/26/10	
Dichlorodifluoromethane	EPA 8260B	10I2831	0.0015	0.0050	ND	0.994	09/26/10	09/26/10	
1,1-Dichloroethane	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	
1,2-Dichloroethane	EPA 8260B	10I2831	0.00080	0.0020	ND	0.994	09/26/10	09/26/10	
1,1-Dichloroethene	EPA 8260B	10I2831	0.00060	0.0050	ND	0.994	09/26/10	09/26/10	
cis-1,2-Dichloroethene	EPA 8260B	10I2831	0.00083	0.0020	ND	0.994	09/26/10	09/26/10	
trans-1,2-Dichloroethene	EPA 8260B	10I2831	0.00070	0.0020	ND	0.994	09/26/10	09/26/10	
1,2-Dichloropropane	EPA 8260B	10I2831	0.00080	0.0020	ND	0.994	09/26/10	09/26/10	
1,3-Dichloropropane	EPA 8260B	10I2831	0.00063	0.0020	ND	0.994	09/26/10	09/26/10	
2,2-Dichloropropane	EPA 8260B	10I2831	0.00060	0.0020	ND	0.994	09/26/10	09/26/10	
cis-1,3-Dichloropropene	EPA 8260B	10I2831	0.00044	0.0020	ND	0.994	09/26/10	09/26/10	L
trans-1,3-Dichloropropene	EPA 8260B	10I2831	0.00061	0.0020	ND	0.994	09/26/10	09/26/10	C, L
1,1-Dichloropropene	EPA 8260B	10I2831	0.00040	0.0020	ND	0.994	09/26/10	09/26/10	
Ethylbenzene	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	
Hexachlorobutadiene	EPA 8260B	10I2831	0.00080	0.0050	ND	0.994	09/26/10	09/26/10	C
Isopropylbenzene	EPA 8260B	10I2831	0.00054	0.0020	ND	0.994	09/26/10	09/26/10	
p-Isopropyltoluene	EPA 8260B	10I2831	0.00072	0.0020	ND	0.994	09/26/10	09/26/10	
Methylene chloride	EPA 8260B	10I2831	0.0065	0.020	ND	0.994	09/26/10	09/26/10	
Naphthalene	EPA 8260B	10I2831	0.0011	0.0050	ND	0.994	09/26/10	09/26/10	

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Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI1720-02 (SP-2-S-100920 - Soil) - cont.									
Reporting Units: mg/kg									
m-Propylbenzene	EPA 8260B	10I2831	0.00061	0.0020	ND	0.994	09/26/10	09/26/10	
p-Xylene	EPA 8260B	10I2831	0.00058	0.0020	ND	0.994	09/26/10	09/26/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10I2831	0.00057	0.0050	ND	0.994	09/26/10	09/26/10	
1,1,1,2,2-Tetrachloroethane	EPA 8260B	10I2831	0.00085	0.0020	ND	0.994	09/26/10	09/26/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10I2831	0.00049	0.0020	ND	0.994	09/26/10	09/26/10	
1,2,3-Trichlorobenzene	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	
1,2,4-Trichlorobenzene	EPA 8260B	10I2831	0.00099	0.0050	ND	0.994	09/26/10	09/26/10	
1,1,1-Trichloroethane	EPA 8260B	10I2831	0.00070	0.0020	ND	0.994	09/26/10	09/26/10	
1,1,2-Trichloroethane	EPA 8260B	10I2831	0.00086	0.0020	ND	0.994	09/26/10	09/26/10	
Trichloroethene	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	
Trichlorofluoromethane	EPA 8260B	10I2831	0.00054	0.0050	ND	0.994	09/26/10	09/26/10	
1,1,2,3-Trichloropropane	EPA 8260B	10I2831	0.00099	0.0099	ND	0.994	09/26/10	09/26/10	
1,2,4-Trimethylbenzene	EPA 8260B	10I2831	0.00078	0.0020	ND	0.994	09/26/10	09/26/10	
1,3,5-Trimethylbenzene	EPA 8260B	10I2831	0.00063	0.0020	ND	0.994	09/26/10	09/26/10	
vinyl chloride	EPA 8260B	10I2831	0.00090	0.0050	ND	0.994	09/26/10	09/26/10	
m,p-Xylenes	EPA 8260B	10I2831	0.00080	0.0020	ND	0.994	09/26/10	09/26/10	
o-Xylene	EPA 8260B	10I2831	0.00050	0.0020	ND	0.994	09/26/10	09/26/10	
Xylenes, Total	EPA 8260B	10I2831	0.0013	0.0040	ND	0.994	09/26/10	09/26/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	10I2831	0.00050	0.0050	ND	0.994	09/26/10	09/26/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I2831	0.00058	0.0050	ND	0.994	09/26/10	09/26/10	
tert-butyl tert-butyl Ether (MTBE)	EPA 8260B	10I2831	0.00099	0.0050	ND	0.994	09/26/10	09/26/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I2831	0.00064	0.0050	ND	0.994	09/26/10	09/26/10	
tert-Butanol (TBA)	EPA 8260B	10I2831	0.0099	0.099	ND	0.994	09/26/10	09/26/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									96 %
Surrogate: Dibromofluoromethane (80-125%)									101 %
Surrogate: Toluene-d8 (80-120%)									104 %

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
Received: 09/21/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11720-03 (SP-3-S-100920 - Soil)									
Reporting Units: mg/kg									
Benzene	EPA 8260B	1012293	0.00047	0.0019	ND	0.933	09/25/10	09/25/10	
Bromobenzene	EPA 8260B	1012293	0.00078	0.0047	ND	0.933	09/25/10	09/25/10	
Bromochloromethane	EPA 8260B	1012293	0.00084	0.0047	ND	0.933	09/25/10	09/25/10	
Bromodichloromethane	EPA 8260B	1012293	0.00047	0.0019	ND	0.933	09/25/10	09/25/10	
Bromoform	EPA 8260B	1012293	0.00075	0.0047	ND	0.933	09/25/10	09/25/10	
Bromomethane	EPA 8260B	1012293	0.00086	0.0047	ND	0.933	09/25/10	09/25/10	
n-Butylbenzene	EPA 8260B	1012293	0.00067	0.0047	ND	0.933	09/25/10	09/25/10	
sec-Butylbenzene	EPA 8260B	1012293	0.00062	0.0047	ND	0.933	09/25/10	09/25/10	
tert-Butylbenzene	EPA 8260B	1012293	0.00058	0.0047	ND	0.933	09/25/10	09/25/10	
Carbon tetrachloride	EPA 8260B	1012293	0.00047	0.0047	ND	0.933	09/25/10	09/25/10	
Chlorobenzene	EPA 8260B	1012293	0.00049	0.0019	ND	0.933	09/25/10	09/25/10	
Chloroethane	EPA 8260B	1012293	0.0014	0.0047	ND	0.933	09/25/10	09/25/10	
Chloroform	EPA 8260B	1012293	0.00047	0.0019	ND	0.933	09/25/10	09/25/10	
Chloromethane	EPA 8260B	1012293	0.00093	0.0047	ND	0.933	09/25/10	09/25/10	
2-Chlorotoluene	EPA 8260B	1012293	0.00081	0.0047	ND	0.933	09/25/10	09/25/10	
4-Chlorotoluene	EPA 8260B	1012293	0.00069	0.0047	ND	0.933	09/25/10	09/25/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	1012293	0.0014	0.0047	ND	0.933	09/25/10	09/25/10	
Dibromochloromethane	EPA 8260B	1012293	0.00065	0.0019	ND	0.933	09/25/10	09/25/10	
1,2-Dibromoethane (EDB)	EPA 8260B	1012293	0.00075	0.0019	ND	0.933	09/25/10	09/25/10	
Dibromomethane	EPA 8260B	1012293	0.00084	0.0019	ND	0.933	09/25/10	09/25/10	
1,2-Dichlorobenzene	EPA 8260B	1012293	0.00089	0.0019	ND	0.933	09/25/10	09/25/10	
1,3-Dichlorobenzene	EPA 8260B	1012293	0.00078	0.0019	ND	0.933	09/25/10	09/25/10	
1,4-Dichlorobenzene	EPA 8260B	1012293	0.00088	0.0019	ND	0.933	09/25/10	09/25/10	
Dichlorodifluoromethane	EPA 8260B	1012293	0.0014	0.0047	ND	0.933	09/25/10	09/25/10	
1,1-Dichloroethane	EPA 8260B	1012293	0.00047	0.0019	ND	0.933	09/25/10	09/25/10	
1,2-Dichloroethane	EPA 8260B	1012293	0.00075	0.0019	ND	0.933	09/25/10	09/25/10	
1,1-Dichloroethene	EPA 8260B	1012293	0.00056	0.0047	ND	0.933	09/25/10	09/25/10	
cis-1,2-Dichloroethene	EPA 8260B	1012293	0.00077	0.0019	ND	0.933	09/25/10	09/25/10	L, C
trans-1,2-Dichloroethene	EPA 8260B	1012293	0.00065	0.0019	ND	0.933	09/25/10	09/25/10	
1,2-Dichloropropane	EPA 8260B	1012293	0.00075	0.0019	ND	0.933	09/25/10	09/25/10	
1,3-Dichloropropane	EPA 8260B	1012293	0.00059	0.0019	ND	0.933	09/25/10	09/25/10	
2,2-Dichloropropane	EPA 8260B	1012293	0.00056	0.0019	ND	0.933	09/25/10	09/25/10	L
cis-1,3-Dichloropropene	EPA 8260B	1012293	0.00041	0.0019	ND	0.933	09/25/10	09/25/10	L, C
trans-1,3-Dichloropropene	EPA 8260B	1012293	0.00057	0.0019	ND	0.933	09/25/10	09/25/10	L
1,1-Dichloropropene	EPA 8260B	1012293	0.00037	0.0019	ND	0.933	09/25/10	09/25/10	
Ethylbenzene	EPA 8260B	1012293	0.00047	0.0019	ND	0.933	09/25/10	09/25/10	
Hexachlorobutadiene	EPA 8260B	1012293	0.00075	0.0047	ND	0.933	09/25/10	09/25/10	
Isopropylbenzene	EPA 8260B	1012293	0.00050	0.0019	ND	0.933	09/25/10	09/25/10	
p-Isopropyltoluene	EPA 8260B	1012293	0.00067	0.0019	ND	0.933	09/25/10	09/25/10	
Methylene chloride	EPA 8260B	1012293	0.0061	0.019	ND	0.933	09/25/10	09/25/10	
Naphthalene	EPA 8260B	1012293	0.0010	0.0047	ND	0.933	09/25/10	09/25/10	

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Lena Davidkova
Project Manager

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IT11720 <Page 8 of 34>

SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
 Received: 09/21/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11720-03 (SP-3-S-100920 - Soil) - cont.									
Reporting Units: mg/kg									
n-Propylbenzene	EPA 8260B	10I2293	0.00057	0.0019	ND	0.933	09/25/10	09/25/10	
ylene	EPA 8260B	10I2293	0.00054	0.0019	ND	0.933	09/25/10	09/25/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10I2293	0.00053	0.0047	ND	0.933	09/25/10	09/25/10	L, C
1,1,2,2-Tetrachloroethane	EPA 8260B	10I2293	0.00080	0.0019	ND	0.933	09/25/10	09/25/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10I2293	0.00046	0.0019	ND	0.933	09/25/10	09/25/10	
1,2,3-Trichlorobenzene	EPA 8260B	10I2293	0.00093	0.0047	ND	0.933	09/25/10	09/25/10	
1,2,4-Trichlorobenzene	EPA 8260B	10I2293	0.00093	0.0047	ND	0.933	09/25/10	09/25/10	
1,1,1-Trichloroethane	EPA 8260B	10I2293	0.00065	0.0019	ND	0.933	09/25/10	09/25/10	
1,1,2-Trichloroethane	EPA 8260B	10I2293	0.00081	0.0019	ND	0.933	09/25/10	09/25/10	
Trichloroethene	EPA 8260B	10I2293	0.00047	0.0019	ND	0.933	09/25/10	09/25/10	
1,1,1-Trichloroethane	EPA 8260B	10I2293	0.00050	0.0047	ND	0.933	09/25/10	09/25/10	
1,2,3-Trichloropropane	EPA 8260B	10I2293	0.00093	0.0093	ND	0.933	09/25/10	09/25/10	
1,2,4-Trimethylbenzene	EPA 8260B	10I2293	0.00073	0.0019	ND	0.933	09/25/10	09/25/10	
1,3,5-Trimethylbenzene	EPA 8260B	10I2293	0.00059	0.0019	ND	0.933	09/25/10	09/25/10	
Vinyl chloride	EPA 8260B	10I2293	0.00085	0.0047	ND	0.933	09/25/10	09/25/10	
m,p-Xylenes	EPA 8260B	10I2293	0.00075	0.0019	ND	0.933	09/25/10	09/25/10	
o-Xylene	EPA 8260B	10I2293	0.00047	0.0019	ND	0.933	09/25/10	09/25/10	
Xylenes, Total	EPA 8260B	10I2293	0.0012	0.0037	ND	0.933	09/25/10	09/25/10	
Diisopropyl Ether (DIPE)	EPA 8260B	10I2293	0.00047	0.0047	ND	0.933	09/25/10	09/25/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10I2293	0.00054	0.0047	ND	0.933	09/25/10	09/25/10	
Methyl tert-butyl Ether (MTBE)	EPA 8260B	10I2293	0.00093	0.0047	ND	0.933	09/25/10	09/25/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10I2293	0.00060	0.0047	ND	0.933	09/25/10	09/25/10	
tert-Butanol (TBA)	EPA 8260B	10I2293	0.0093	0.093	ND	0.933	09/25/10	09/25/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									97 %
Surrogate: Dibromofluoromethane (80-125%)									116 %
Surrogate: Toluene-d8 (80-120%)									104 %

TestAmerica Irvine

Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI1720-01 (SP-1-S-100920 - Soil)									
Reporting Units: mg/kg									
Mercury	EPA 7471A	10I3093	0.012	0.020	0.054	1	09/28/10	09/28/10	
Antimony	EPA 6010B	10I3132	0.88	10	3.8	0.995	09/28/10	09/29/10	J
Arsenic	EPA 6010B	10I3132	0.81	2.0	130	0.995	09/28/10	09/29/10	B-1
Barium	EPA 6010B	10I3132	0.80	1.0	120	0.995	09/28/10	09/29/10	
Beryllium	EPA 6010B	10I3132	0.20	0.50	0.57	0.995	09/28/10	09/29/10	
Cadmium	EPA 6010B	10I3132	0.20	0.50	ND	0.995	09/28/10	09/29/10	
Chromium	EPA 6010B	10I3132	0.30	1.0	25	0.995	09/28/10	09/29/10	
Cobalt	EPA 6010B	10I3132	0.30	1.0	8.8	0.995	09/28/10	09/29/10	
Copper	EPA 6010B	10I3132	0.38	2.0	21	0.995	09/28/10	09/29/10	
Lead	EPA 6010B	10I3132	0.50	2.0	17	0.995	09/28/10	09/29/10	
Molybdenum	EPA 6010B	10I3132	0.20	2.0	0.60	0.995	09/28/10	09/30/10	J
Nickel	EPA 6010B	10I3132	0.20	2.0	18	0.995	09/28/10	09/29/10	B-1
Selenium	EPA 6010B	10I3132	1.0	2.0	ND	0.995	09/28/10	09/29/10	
Silver	EPA 6010B	10I3132	0.80	1.0	ND	0.995	09/28/10	09/29/10	
Thallium	EPA 6010B	10I3132	0.80	10	ND	0.995	09/28/10	09/29/10	
Vanadium	EPA 6010B	10I3132	0.30	1.0	45	0.995	09/28/10	09/29/10	
Zinc	EPA 6010B	10I3132	0.75	5.0	55	0.995	09/28/10	09/30/10	

Sample ID: ITI1720-02 (SP-2-S-100920 - Soil)

Reporting Units: mg/kg

Mercury	EPA 7471A	10I3093	0.012	0.020	0.059	1	09/28/10	09/28/10	
Antimony	EPA 6010B	10I3132	0.88	10	2.8	1.01	09/28/10	09/29/10	J
Arsenic	EPA 6010B	10I3132	0.81	2.0	88	1.01	09/28/10	09/29/10	B-1
Barium	EPA 6010B	10I3132	0.80	1.0	120	1.01	09/28/10	09/29/10	
Beryllium	EPA 6010B	10I3132	0.20	0.50	0.52	1.01	09/28/10	09/29/10	
Cadmium	EPA 6010B	10I3132	0.20	0.50	ND	1.01	09/28/10	09/29/10	
Chromium	EPA 6010B	10I3132	0.30	1.0	21	1.01	09/28/10	09/29/10	
Cobalt	EPA 6010B	10I3132	0.30	1.0	7.1	1.01	09/28/10	09/29/10	
Copper	EPA 6010B	10I3132	0.38	2.0	18	1.01	09/28/10	09/29/10	
Lead	EPA 6010B	10I3132	0.50	2.0	17	1.01	09/28/10	09/29/10	
Molybdenum	EPA 6010B	10I3132	0.20	2.0	0.42	1.01	09/28/10	09/30/10	J
Nickel	EPA 6010B	10I3132	0.20	2.0	16	1.01	09/28/10	09/29/10	B-1
Selenium	EPA 6010B	10I3132	1.0	2.0	ND	1.01	09/28/10	09/29/10	
Silver	EPA 6010B	10I3132	0.80	1.0	ND	1.01	09/28/10	09/29/10	
Thallium	EPA 6010B	10I3132	0.80	10	ND	1.01	09/28/10	09/29/10	
Vanadium	EPA 6010B	10I3132	0.30	1.0	42	1.01	09/28/10	09/29/10	
Zinc	EPA 6010B	10I3132	0.75	5.0	60	1.01	09/28/10	09/30/10	

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
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Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
Received: 09/21/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IT11720-03 (SP-3-S-100920 - Soil)									
Reporting Units: mg/kg									
Mercury	EPA 7471A	10I3093	0.012	0.020	0.062	1	09/28/10	09/28/10	
Antimony	EPA 6010B	10I3132	0.87	9.9	2.0	0.985	09/28/10	09/29/10	J
Arsenic	EPA 6010B	10I3132	0.80	2.0	60	0.985	09/28/10	09/29/10	B-1
Barium	EPA 6010B	10I3132	0.79	0.99	100	0.985	09/28/10	09/29/10	
Beryllium	EPA 6010B	10I3132	0.20	0.49	0.57	0.985	09/28/10	09/29/10	
Cadmium	EPA 6010B	10I3132	0.20	0.49	ND	0.985	09/28/10	09/29/10	
Chromium	EPA 6010B	10I3132	0.30	0.99	23	0.985	09/28/10	09/29/10	
Cobalt	EPA 6010B	10I3132	0.30	0.99	7.4	0.985	09/28/10	09/29/10	
Copper	EPA 6010B	10I3132	0.37	2.0	18	0.985	09/28/10	09/29/10	
Lead	EPA 6010B	10I3132	0.49	2.0	12	0.985	09/28/10	09/29/10	
Molybdenum	EPA 6010B	10I3132	0.20	2.0	0.42	0.985	09/28/10	09/30/10	J
Nickel	EPA 6010B	10I3132	0.20	2.0	15	0.985	09/28/10	09/29/10	B-1
Selenium	EPA 6010B	10I3132	0.99	2.0	ND	0.985	09/28/10	09/29/10	
Silver	EPA 6010B	10I3132	0.79	0.99	ND	0.985	09/28/10	09/29/10	
Thallium	EPA 6010B	10I3132	0.79	9.9	ND	0.985	09/28/10	09/29/10	
Vanadium	EPA 6010B	10I3132	0.30	0.99	44	0.985	09/28/10	09/29/10	
Zinc	EPA 6010B	10I3132	0.74	4.9	47	0.985	09/28/10	09/30/10	

TestAmerica Irvine

Lena Davidkova
Project Manager

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IT11720 <Page 11 of 34>

SAJC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 10I2524 Extracted: 09/23/10											
Blank Analyzed: 09/23/2010 (10I2524-BLK1)											
DRO (C13-C22)	ND	5.0	3.5	mg/kg							
ORO (C23-C40)	ND	5.0	3.5	mg/kg							
EFH (C13 - C40)	ND	5.0	3.5	mg/kg							
EFH (C10 - C28)	ND	5.0	3.5	mg/kg							
Surrogate: n-Octacosane	5.58			mg/kg	6.67		84	40-140			
LCS Analyzed: 09/23/2010 (10I2524-BS1)											
EFH (C10 - C28)	27.6	5.0	3.5	mg/kg	33.3		83	45-115			
Surrogate: n-Octacosane	5.58			mg/kg	6.67		84	40-140			
Matrix Spike Analyzed: 09/23/2010 (10I2524-MS1)											
						Source: ITI1720-03					
EFH (C10 - C28)	67.4	10	7.0	mg/kg	33.3	85.8	-55	40-120			M2
Surrogate: n-Octacosane	8.60			mg/kg	6.66		129	40-140			
Matrix Spike Dup Analyzed: 09/23/2010 (10I2524-MSD1)											
						Source: ITI1720-03					
EFH (C10 - C28)	339	10	7.0	mg/kg	33.3	85.8	761	40-120	134	30	M1, R-3
Surrogate: n-Octacosane	25.0			mg/kg	6.66		376	40-140			ZX

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Report Number: ITI1720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I2415 Extracted: 09/23/10											
Blank Analyzed: 09/23/2010 (10I2415-BLK1)											
GRO (C4 - C12)	ND	0.40	0.15	mg/kg							
Surrogate: 4-BFB (FID)	0.0201			mg/kg	0.0200		101	65-140			
CS Analyzed: 09/23/2010 (10I2415-BS1)											
GRO (C4 - C12)	1.69	0.40	0.15	mg/kg	1.60		106	70-135			
Surrogate: 4-BFB (FID)	0.0308			mg/kg	0.0200		154	65-140			ZZ
Matrix Spike Analyzed: 09/23/2010 (10I2415-MS1) Source: ITI1720-01											
GRO (C4 - C12)	0.342	0.37	0.14	mg/kg	0.403	ND	85	60-140			J
Surrogate: 4-BFB (FID)	0.0159			mg/kg	0.0183		87	65-140			
Matrix Spike Dup Analyzed: 09/23/2010 (10I2415-MSD1) Source: ITI1720-01											
GRO (C4 - C12)	0.330	0.39	0.15	mg/kg	0.433	ND	76	60-140	3	30	J
Surrogate: 4-BFB (FID)	0.0150			mg/kg	0.0197		76	65-140			

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Report Number: IT11720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 10I2293 Extracted: 09/25/10										
Blank Analyzed: 09/25/2010 (10I2293-BLK1)										
Benzene	ND	0.0020	0.00050	mg/kg						
Bromobenzene	ND	0.0050	0.00084	mg/kg						
Bromochloromethane	ND	0.0050	0.00090	mg/kg						
Bromodichloromethane	ND	0.0020	0.00050	mg/kg						
Bromoform	ND	0.0050	0.00080	mg/kg						
Bromomethane	ND	0.0050	0.00092	mg/kg						
n-Butylbenzene	ND	0.0050	0.00072	mg/kg						
sec-Butylbenzene	ND	0.0050	0.00067	mg/kg						
tert-Butylbenzene	ND	0.0050	0.00062	mg/kg						
Carbon tetrachloride	ND	0.0050	0.00050	mg/kg						
Chlorobenzene	ND	0.0020	0.00052	mg/kg						
Chloroethane	ND	0.0050	0.0015	mg/kg						
Chloroform	ND	0.0020	0.00050	mg/kg						
Chloromethane	ND	0.0050	0.0010	mg/kg						
2-Chlorotoluene	ND	0.0050	0.00087	mg/kg						
4-Chlorotoluene	ND	0.0050	0.00074	mg/kg						
1,2-Dibromo-3-chloropropane	ND	0.0050	0.0015	mg/kg						
Dibromochloromethane	ND	0.0020	0.00070	mg/kg						
1,2-Dibromoethane (EDB)	ND	0.0020	0.00080	mg/kg						
Dibromomethane	ND	0.0020	0.00090	mg/kg						
1,2-Dichlorobenzene	ND	0.0020	0.00095	mg/kg						
1,3-Dichlorobenzene	ND	0.0020	0.00084	mg/kg						
1,4-Dichlorobenzene	ND	0.0020	0.00094	mg/kg						
Dichlorodifluoromethane	ND	0.0050	0.0015	mg/kg						
1,1-Dichloroethane	ND	0.0020	0.00050	mg/kg						
1,2-Dichloroethane	ND	0.0020	0.00080	mg/kg						
1,1-Dichloroethene	ND	0.0050	0.00060	mg/kg						
cis-1,2-Dichloroethene	ND	0.0020	0.00083	mg/kg						
trans-1,2-Dichloroethene	ND	0.0020	0.00070	mg/kg						
1,2-Dichloropropane	ND	0.0020	0.00080	mg/kg						
1,3-Dichloropropane	ND	0.0020	0.00063	mg/kg						
2,2-Dichloropropane	ND	0.0020	0.00060	mg/kg						
cis-1,3-Dichloropropene	ND	0.0020	0.00044	mg/kg						
trans-1,3-Dichloropropene	ND	0.0020	0.00061	mg/kg						
1,1-Dichloropropene	ND	0.0020	0.00040	mg/kg						

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Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 1012293 Extracted: 09/25/10										
Blank Analyzed: 09/25/2010 (1012293-BLK1)										
Ethylbenzene	ND	0.0020	0.00050	mg/kg						
Hexachlorobutadiene	ND	0.0050	0.00080	mg/kg						
Isopropylbenzene	ND	0.0020	0.00054	mg/kg						
Isopropyltoluene	ND	0.0020	0.00072	mg/kg						
Methylene chloride	ND	0.0020	0.00065	mg/kg						
o-Phthalene	ND	0.0050	0.0011	mg/kg						
Propylbenzene	ND	0.0020	0.00061	mg/kg						
Styrene	ND	0.0020	0.00058	mg/kg						
1,1,1,2-Tetrachloroethane	ND	0.0050	0.00057	mg/kg						
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00086	mg/kg						
1,2,3,4-Tetrachloroethane	ND	0.0020	0.00049	mg/kg						
Toluene	ND	0.0020	0.00050	mg/kg						
1,2,3-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,2,4-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,1,1-Trichloroethane	ND	0.0020	0.00070	mg/kg						
1,1,2-Trichloroethane	ND	0.0020	0.00087	mg/kg						
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00050	mg/kg						
1,1,1,2-Tetrachloroethane	ND	0.0050	0.00054	mg/kg						
1,2,3-Trichloropropane	ND	0.010	0.0010	mg/kg						
1,2,4-Trimethylbenzene	ND	0.0020	0.00078	mg/kg						
1,3,5-Trimethylbenzene	ND	0.0020	0.00063	mg/kg						
Vinyl chloride	ND	0.0050	0.00091	mg/kg						
p-Xylenes	ND	0.0020	0.00080	mg/kg						
m-Xylene	ND	0.0020	0.00050	mg/kg						
Xylenes, Total	ND	0.0040	0.0013	mg/kg						
Di-isopropyl Ether (DIPE)	ND	0.0050	0.00050	mg/kg						
tert-Butyl Ether (ETBE)	ND	0.0050	0.00058	mg/kg						
Methyl-tert-butyl Ether (MTBE)	ND	0.0050	0.0010	mg/kg						
tert-Amyl Methyl Ether (TAME)	ND	0.0050	0.00064	mg/kg						
t-Butanol (TBA)	ND	0.10	0.010	mg/kg						
Surrogate: 4-Bromofluorobenzene	0.0530			mg/kg	0.0500		106	80-120		
Surrogate: Dibromofluoromethane	0.0552			mg/kg	0.0500		110	80-125		
Surrogate: Toluene-d8	0.0527			mg/kg	0.0500		105	80-120		

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 1012293 Extracted: 09/25/10											
LCS Analyzed: 09/25/2010 (1012293-BS1)											
Benzene	0.0586	0.0020	0.00050	mg/kg	0.0500		117	65-120			
Bromobenzene	0.0576	0.0050	0.00084	mg/kg	0.0500		115	75-120			
Bromochloromethane	0.0646	0.0050	0.00090	mg/kg	0.0500		129	70-135			
Bromodichloromethane	0.0672	0.0020	0.00050	mg/kg	0.0500		134	70-135			
Bromoform	0.0542	0.0050	0.00080	mg/kg	0.0500		108	55-135			
Bromomethane	0.0589	0.0050	0.00092	mg/kg	0.0500		118	60-145			
n-Butylbenzene	0.0572	0.0050	0.00072	mg/kg	0.0500		114	70-130			
sec-Butylbenzene	0.0564	0.0050	0.00067	mg/kg	0.0500		113	70-125			
tert-Butylbenzene	0.0570	0.0050	0.00062	mg/kg	0.0500		114	70-125			
Carbon tetrachloride	0.0693	0.0050	0.00050	mg/kg	0.0500		139	65-140			
Chlorobenzene	0.0584	0.0020	0.00052	mg/kg	0.0500		117	75-120			
Chloroethane	0.0577	0.0050	0.0015	mg/kg	0.0500		115	60-140			
Chloroform	0.0621	0.0020	0.00050	mg/kg	0.0500		124	70-130			
Chloromethane	0.0544	0.0050	0.0010	mg/kg	0.0500		109	45-145			
2-Chlorotoluene	0.0562	0.0050	0.00087	mg/kg	0.0500		112	70-125			
4-Chlorotoluene	0.0586	0.0050	0.00074	mg/kg	0.0500		117	75-125			
1,2-Dibromo-3-chloropropane	0.0534	0.0050	0.0015	mg/kg	0.0500		107	50-135			
Dibromochloromethane	0.0669	0.0020	0.00070	mg/kg	0.0500		134	65-140			
1,2-Dibromoethane (EDB)	0.0591	0.0020	0.00080	mg/kg	0.0500		118	70-130			
Dibromomethane	0.0624	0.0020	0.00090	mg/kg	0.0500		125	70-130			
1,2-Dichlorobenzene	0.0586	0.0020	0.00095	mg/kg	0.0500		117	75-120			
1,3-Dichlorobenzene	0.0585	0.0020	0.00084	mg/kg	0.0500		117	75-125			
1,4-Dichlorobenzene	0.0567	0.0020	0.00094	mg/kg	0.0500		113	75-120			
Dichlorodifluoromethane	0.0514	0.0050	0.0015	mg/kg	0.0500		103	35-160			
1,1-Dichloroethane	0.0625	0.0020	0.00050	mg/kg	0.0500		125	70-130			
1,2-Dichloroethane	0.0608	0.0020	0.00080	mg/kg	0.0500		122	60-140			
1,1-Dichloroethene	0.0616	0.0050	0.00060	mg/kg	0.0500		123	70-125			
cis-1,2-Dichloroethene	0.0654	0.0020	0.00083	mg/kg	0.0500		131	70-125			L
trans-1,2-Dichloroethene	0.0624	0.0020	0.00070	mg/kg	0.0500		125	70-125			
1,2-Dichloropropane	0.0611	0.0020	0.00080	mg/kg	0.0500		122	70-130			
1,3-Dichloropropane	0.0587	0.0020	0.00063	mg/kg	0.0500		117	70-125			
2,2-Dichloropropane	0.0730	0.0020	0.00060	mg/kg	0.0500		146	60-145			L
cis-1,3-Dichloropropene	0.0694	0.0020	0.00044	mg/kg	0.0500		139	75-125			L
trans-1,3-Dichloropropene	0.0690	0.0020	0.00061	mg/kg	0.0500		138	70-135			L
1,1-Dichloropropene	0.0581	0.0020	0.00040	mg/kg	0.0500		116	70-130			

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Report Number: IT11720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I2293 Extracted: 09/25/10											
CS Analyzed: 09/25/2010 (10I2293-BS1)											
Ethylbenzene	0.0585	0.0020	0.00050	mg/kg	0.0500		117	70-125			
Hexachlorobutadiene	0.0590	0.0050	0.00080	mg/kg	0.0500		118	60-135			
Isopropylbenzene	0.0547	0.0020	0.00054	mg/kg	0.0500		109	75-130			
Isopropyltoluene	0.0584	0.0020	0.00072	mg/kg	0.0500		117	75-125			
Methylene chloride	0.0622	0.0020	0.00065	mg/kg	0.0500		124	55-135			
m-Phthalene	0.0638	0.0050	0.0011	mg/kg	0.0500		128	55-135			
Propylbenzene	0.0566	0.0020	0.00061	mg/kg	0.0500		113	70-130			
Styrene	0.0612	0.0020	0.00058	mg/kg	0.0500		122	75-130			
1,1,1,2-Tetrachloroethane	0.0694	0.0050	0.00057	mg/kg	0.0500		139	70-130			L
1,1,2,2-Tetrachloroethane	0.0565	0.0020	0.00086	mg/kg	0.0500		113	55-140			
1,1,2-Trichloroethane	0.0542	0.0020	0.00049	mg/kg	0.0500		108	70-125			
Toluene	0.0599	0.0020	0.00050	mg/kg	0.0500		120	70-125			
1,3-Trichlorobenzene	0.0636	0.0050	0.0010	mg/kg	0.0500		127	60-130			
1,4-Trichlorobenzene	0.0645	0.0050	0.0010	mg/kg	0.0500		129	70-135			
1,1,1-Trichloroethane	0.0666	0.0020	0.00070	mg/kg	0.0500		133	65-135			
1,1,2-Trichloroethane	0.0613	0.0020	0.00087	mg/kg	0.0500		123	65-135			
1,1-Dichloroethane	0.0586	0.0020	0.00050	mg/kg	0.0500		117	70-125			
1,1-Dichlorofluoromethane	0.0584	0.0050	0.00054	mg/kg	0.0500		117	60-145			
1,2,3-Trichloropropane	0.0532	0.010	0.0010	mg/kg	0.0500		106	60-135			
1,2,4-Trimethylbenzene	0.0599	0.0020	0.00078	mg/kg	0.0500		120	70-125			
1,3,5-Trimethylbenzene	0.0591	0.0020	0.00063	mg/kg	0.0500		118	70-125			
Vinyl chloride	0.0575	0.0050	0.00091	mg/kg	0.0500		115	55-135			
p-Xylenes	0.118	0.0020	0.00080	mg/kg	0.100		118	70-125			
Xylene	0.0597	0.0020	0.00050	mg/kg	0.0500		119	70-125			
Xylenes, Total	0.178	0.0040	0.0013	mg/kg	0.150		119	70-125			
Di-isopropyl Ether (DIPE)	0.0635	0.0050	0.00050	mg/kg	0.0500		127	60-140			
Ethyl tert-Butyl Ether (ETBE)	0.0665	0.0050	0.00058	mg/kg	0.0500		133	60-140			
Methyl-tert-butyl Ether (MTBE)	0.0633	0.0050	0.0010	mg/kg	0.0500		127	60-140			
tert-Amyl Methyl Ether (TAME)	0.0689	0.0050	0.00064	mg/kg	0.0500		138	60-145			
t-Butanol (TBA)	0.292	0.10	0.010	mg/kg	0.250		117	70-135			
Surrogate: 4-Bromofluorobenzene	0.0534			mg/kg	0.0500		107	80-120			
Surrogate: Dibromofluoromethane	0.0561			mg/kg	0.0500		112	80-125			
Surrogate: Toluene-d8	0.0533			mg/kg	0.0500		107	80-120			

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Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 1012293 Extracted: 09/25/10											
Matrix Spike Analyzed: 09/25/2010 (1012293-MS1)						Source: ITI1842-15					
Benzene	0.0528	0.0021	0.00052	mg/kg	0.0515	ND	102	65-130			
Bromobenzene	0.0564	0.0052	0.00087	mg/kg	0.0515	ND	109	65-140			
Bromochloromethane	0.0627	0.0052	0.00093	mg/kg	0.0515	ND	122	65-145			
Bromodichloromethane	0.0601	0.0021	0.00052	mg/kg	0.0515	ND	117	65-145			
Bromoform	0.0509	0.0052	0.00082	mg/kg	0.0515	ND	99	50-145			
Bromomethane	0.0575	0.0052	0.00095	mg/kg	0.0515	ND	112	60-155			
n-Butylbenzene	0.0484	0.0052	0.00074	mg/kg	0.0515	ND	94	55-145			
sec-Butylbenzene	0.0502	0.0052	0.00069	mg/kg	0.0515	ND	97	60-135			
tert-Butylbenzene	0.0517	0.0052	0.00064	mg/kg	0.0515	ND	100	60-140			
Carbon tetrachloride	0.0595	0.0052	0.00052	mg/kg	0.0515	ND	115	60-145			
Chlorobenzene	0.0521	0.0021	0.00054	mg/kg	0.0515	ND	101	70-130			
Chloroethane	0.0561	0.0052	0.0015	mg/kg	0.0515	ND	109	60-150			
Chloroform	0.0583	0.0021	0.00052	mg/kg	0.0515	ND	113	65-135			
Chloromethane	0.0567	0.0052	0.0010	mg/kg	0.0515	ND	110	40-145			
2-Chlorotoluene	0.0542	0.0052	0.00090	mg/kg	0.0515	ND	105	60-135			
4-Chlorotoluene	0.0559	0.0052	0.00076	mg/kg	0.0515	ND	109	65-135			
1,2-Dibromo-3-chloropropane	0.0554	0.0052	0.0015	mg/kg	0.0515	ND	108	40-150			
Dibromochloromethane	0.0614	0.0021	0.00072	mg/kg	0.0515	ND	119	60-145			
1,2-Dibromoethane (EDB)	0.0574	0.0021	0.00082	mg/kg	0.0515	ND	111	65-140			
Dibromomethane	0.0585	0.0021	0.00093	mg/kg	0.0515	ND	114	65-140			
1,2-Dichlorobenzene	0.0564	0.0021	0.00098	mg/kg	0.0515	ND	109	70-130			
1,3-Dichlorobenzene	0.0546	0.0021	0.00087	mg/kg	0.0515	ND	106	70-130			
1,4-Dichlorobenzene	0.0539	0.0021	0.00097	mg/kg	0.0515	ND	104	70-130			
Dichlorodifluoromethane	0.0540	0.0052	0.0015	mg/kg	0.0515	ND	105	30-160			
1,1-Dichloroethane	0.0592	0.0021	0.00052	mg/kg	0.0515	ND	115	65-135			
1,2-Dichloroethane	0.0564	0.0021	0.00082	mg/kg	0.0515	ND	109	60-150			
1,1-Dichloroethene	0.0583	0.0052	0.00062	mg/kg	0.0515	ND	113	65-135			
cis-1,2-Dichloroethene	0.0611	0.0021	0.00086	mg/kg	0.0515	ND	118	65-135			
trans-1,2-Dichloroethene	0.0586	0.0021	0.00072	mg/kg	0.0515	ND	114	70-135			
1,2-Dichloropropane	0.0553	0.0021	0.00082	mg/kg	0.0515	ND	107	65-130			
1,3-Dichloropropane	0.0560	0.0021	0.00065	mg/kg	0.0515	ND	109	65-140			
2,2-Dichloropropane	0.0704	0.0021	0.00062	mg/kg	0.0515	ND	136	65-150			
cis-1,3-Dichloropropene	0.0606	0.0021	0.00045	mg/kg	0.0515	ND	118	70-135			
trans-1,3-Dichloropropene	0.0613	0.0021	0.00063	mg/kg	0.0515	ND	119	60-145			
1,1-Dichloropropene	0.0511	0.0021	0.00041	mg/kg	0.0515	ND	99	65-135			

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Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1012293 Extracted: 09/25/10											
Matrix Spike Analyzed: 09/25/2010 (1012293-MS1)						Source: ITI1842-15					
Ethylbenzene	0.0517	0.0021	0.00052	mg/kg	0.0515	ND	100	70-135			
Hexachlorobutadiene	0.0358	0.0052	0.00082	mg/kg	0.0515	ND	69	50-145			
Isopropylbenzene	0.0515	0.0021	0.00056	mg/kg	0.0515	ND	100	70-145			
Isopropyltoluene	0.0525	0.0021	0.00074	mg/kg	0.0515	ND	102	60-140			
Methylene chloride	0.0588	0.021	0.0067	mg/kg	0.0515	ND	114	55-145			
o-Phthalene	0.0627	0.0052	0.0011	mg/kg	0.0515	ND	122	40-150			
p-Propylbenzene	0.0531	0.0021	0.00063	mg/kg	0.0515	ND	103	65-140			
Styrene	0.0545	0.0021	0.00060	mg/kg	0.0515	ND	106	70-140			
1,1,1-Tetrachloroethane	0.0611	0.0052	0.00059	mg/kg	0.0515	ND	119	65-145			
1,1,2-Tetrachloroethane	0.0623	0.0021	0.00089	mg/kg	0.0515	ND	121	40-160			
1,2-Dichloroethane	0.0476	0.0021	0.00051	mg/kg	0.0515	ND	92	65-135			
Toluene	0.0535	0.0021	0.00052	mg/kg	0.0515	ND	104	70-130			
1,3-Trichlorobenzene	0.0541	0.0052	0.0010	mg/kg	0.0515	ND	105	45-145			
1,4-Trichlorobenzene	0.0547	0.0052	0.0010	mg/kg	0.0515	ND	106	50-140			
1,1,1-Trichloroethane	0.0600	0.0021	0.00072	mg/kg	0.0515	ND	116	65-145			
1,1,2-Trichloroethane	0.0589	0.0021	0.00090	mg/kg	0.0515	ND	114	65-140			
1,1-Dichloroethane	0.0515	0.0021	0.00052	mg/kg	0.0515	ND	100	65-140			
Trichlorofluoromethane	0.0539	0.0052	0.00056	mg/kg	0.0515	ND	105	55-155			
1,2,3-Trichloropropane	0.0598	0.010	0.0010	mg/kg	0.0515	ND	116	50-150			
1,2,4-Trimethylbenzene	0.0566	0.0021	0.00080	mg/kg	0.0515	ND	110	65-140			
1,3,5-Trimethylbenzene	0.0553	0.0021	0.00065	mg/kg	0.0515	ND	107	65-135			
Vinyl chloride	0.0579	0.0052	0.00094	mg/kg	0.0515	ND	112	55-140			
p-Xylenes	0.105	0.0021	0.00082	mg/kg	0.103	ND	102	70-130			
m-Xylene	0.0535	0.0021	0.00052	mg/kg	0.0515	ND	104	65-130			
Xylenes, Total	0.158	0.0041	0.0013	mg/kg	0.155	ND	102	70-125			
Di-isopropyl Ether (DIPE)	0.0612	0.0052	0.00052	mg/kg	0.0515	ND	119	60-150			
Ethyl tert-Butyl Ether (ETBE)	0.0648	0.0052	0.00060	mg/kg	0.0515	ND	126	60-145			
Methyl-tert-butyl Ether (MTBE)	0.0637	0.0052	0.0010	mg/kg	0.0515	ND	124	55-155			
tert-Amyl Methyl Ether (TAME)	0.0682	0.0052	0.00066	mg/kg	0.0515	ND	132	60-150			
t-Butanol (TBA)	0.252	0.10	0.010	mg/kg	0.258	ND	98	65-145			
Surrogate: 4-Bromofluorobenzene	0.0518			mg/kg	0.0515		100	80-120			
Surrogate: Dibromofluoromethane	0.0616			mg/kg	0.0515		120	80-125			
Surrogate: Toluene-d8	0.0542			mg/kg	0.0515		105	80-120			

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I2293 Extracted: 09/25/10											
Matrix Spike Dup Analyzed: 09/25/2010 (10I2293-MSD1)						Source: ITI1842-15					
Benzene	0.0502	0.0021	0.00052	mg/kg	0.0515	ND	97	65-130	5	20	
Bromobenzene	0.0520	0.0052	0.00087	mg/kg	0.0515	ND	101	65-140	8	25	
Bromochloromethane	0.0587	0.0052	0.00093	mg/kg	0.0515	ND	114	65-145	6	25	
Bromodichloromethane	0.0566	0.0021	0.00052	mg/kg	0.0515	ND	110	65-145	6	20	
Bromoform	0.0473	0.0052	0.00082	mg/kg	0.0515	ND	92	50-145	7	30	
Bromomethane	0.0542	0.0052	0.00095	mg/kg	0.0515	ND	105	60-155	6	25	
n-Butylbenzene	0.0425	0.0052	0.00074	mg/kg	0.0515	ND	82	55-145	13	30	
sec-Butylbenzene	0.0444	0.0052	0.00069	mg/kg	0.0515	ND	86	60-135	12	25	
tert-Butylbenzene	0.0462	0.0052	0.00064	mg/kg	0.0515	ND	90	60-140	11	25	
Carbon tetrachloride	0.0566	0.0052	0.00052	mg/kg	0.0515	ND	110	60-145	5	25	
Chlorobenzene	0.0497	0.0021	0.00054	mg/kg	0.0515	ND	96	70-130	5	25	
Chloroethane	0.0538	0.0052	0.0015	mg/kg	0.0515	ND	104	60-150	4	25	
Chloroform	0.0550	0.0021	0.00052	mg/kg	0.0515	ND	107	65-135	6	20	
Chloromethane	0.0512	0.0052	0.0010	mg/kg	0.0515	ND	99	40-145	10	25	
2-Chlorotoluene	0.0492	0.0052	0.00090	mg/kg	0.0515	ND	95	60-135	10	25	
4-Chlorotoluene	0.0504	0.0052	0.00076	mg/kg	0.0515	ND	98	65-135	10	25	
1,2-Dibromo-3-chloropropane	0.0490	0.0052	0.0015	mg/kg	0.0515	ND	95	40-150	12	30	
Dibromochloromethane	0.0579	0.0021	0.00072	mg/kg	0.0515	ND	112	60-145	6	25	
1,2-Dibromoethane (EDB)	0.0542	0.0021	0.00082	mg/kg	0.0515	ND	105	65-140	6	25	
Dibromomethane	0.0547	0.0021	0.00093	mg/kg	0.0515	ND	106	65-140	7	25	
1,2-Dichlorobenzene	0.0510	0.0021	0.00098	mg/kg	0.0515	ND	99	70-130	10	25	
1,3-Dichlorobenzene	0.0497	0.0021	0.00087	mg/kg	0.0515	ND	96	70-130	9	25	
1,4-Dichlorobenzene	0.0487	0.0021	0.00097	mg/kg	0.0515	ND	94	70-130	10	25	
Dichlorodifluoromethane	0.0434	0.0052	0.0015	mg/kg	0.0515	ND	84	30-160	22	35	
1,1-Dichloroethane	0.0562	0.0021	0.00052	mg/kg	0.0515	ND	109	65-135	5	25	
1,2-Dichloroethane	0.0529	0.0021	0.00082	mg/kg	0.0515	ND	103	60-150	6	25	
1,1-Dichloroethene	0.0558	0.0052	0.00062	mg/kg	0.0515	ND	108	65-135	4	25	
cis-1,2-Dichloroethene	0.0583	0.0021	0.00086	mg/kg	0.0515	ND	113	65-135	5	25	
trans-1,2-Dichloroethene	0.0555	0.0021	0.00072	mg/kg	0.0515	ND	108	70-135	6	25	
1,2-Dichloropropane	0.0528	0.0021	0.00082	mg/kg	0.0515	ND	102	65-130	5	20	
1,3-Dichloropropane	0.0529	0.0021	0.00065	mg/kg	0.0515	ND	103	65-140	6	25	
2,2-Dichloropropane	0.0680	0.0021	0.00062	mg/kg	0.0515	ND	132	65-150	3	25	
cis-1,3-Dichloropropene	0.0587	0.0021	0.00045	mg/kg	0.0515	ND	114	70-135	3	25	
trans-1,3-Dichloropropene	0.0585	0.0021	0.00063	mg/kg	0.0515	ND	114	60-145	5	25	
1,1-Dichloropropene	0.0482	0.0021	0.00041	mg/kg	0.0515	ND	94	65-135	6	20	

TestAmerica Irvine

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 1012293 Extracted: 09/25/10											
Matrix Spike Dup Analyzed: 09/25/2010 (1012293-MSD1)						Source: IT11842-15					
Ethylbenzene	0.0493	0.0021	0.00052	mg/kg	0.0515	ND	96	70-135	5	25	
Hexachlorobutadiene	0.0329	0.0052	0.00082	mg/kg	0.0515	ND	64	50-145	8	35	
propylbenzene	0.0470	0.0021	0.00056	mg/kg	0.0515	ND	91	70-145	9	25	
isopropyltoluene	0.0466	0.0021	0.00074	mg/kg	0.0515	ND	90	60-140	12	25	
Methylene chloride	0.0559	0.021	0.0067	mg/kg	0.0515	ND	109	55-145	5	25	
phthalene	0.0560	0.0052	0.0011	mg/kg	0.0515	ND	109	40-150	11	40	
propylbenzene	0.0479	0.0021	0.00063	mg/kg	0.0515	ND	93	65-140	10	25	
Styrene	0.0516	0.0021	0.00060	mg/kg	0.0515	ND	100	70-140	5	25	
1,1,1,2-Tetrachloroethane	0.0580	0.0052	0.00059	mg/kg	0.0515	ND	113	65-145	5	20	
1,1,2,2-Tetrachloroethane	0.0560	0.0021	0.00089	mg/kg	0.0515	ND	109	40-160	11	30	
1,1,2,2-Tetrachloroethene	0.0443	0.0021	0.00051	mg/kg	0.0515	ND	86	65-135	7	25	
Toluene	0.0509	0.0021	0.00052	mg/kg	0.0515	ND	99	70-130	5	20	
1,3-Trichlorobenzene	0.0480	0.0052	0.0010	mg/kg	0.0515	ND	93	45-145	12	30	
1,4-Trichlorobenzene	0.0479	0.0052	0.0010	mg/kg	0.0515	ND	93	50-140	13	30	
1,1,1-Trichloroethane	0.0568	0.0021	0.00072	mg/kg	0.0515	ND	110	65-145	6	20	
1,1,2-Trichloroethane	0.0542	0.0021	0.00090	mg/kg	0.0515	ND	105	65-140	8	30	
1,1,2,2-Tetrachloroethene	0.0488	0.0021	0.00052	mg/kg	0.0515	ND	95	65-140	5	25	
Trichlorofluoromethane	0.0495	0.0052	0.00056	mg/kg	0.0515	ND	96	55-155	9	25	
1,2,3-Trichloropropane	0.0537	0.010	0.0010	mg/kg	0.0515	ND	104	50-150	11	30	
1,2,4-Trimethylbenzene	0.0512	0.0021	0.00080	mg/kg	0.0515	ND	99	65-140	10	25	
1,3,5-Trimethylbenzene	0.0495	0.0021	0.00065	mg/kg	0.0515	ND	96	65-135	11	25	
Vinyl chloride	0.0534	0.0052	0.00094	mg/kg	0.0515	ND	104	55-140	8	30	
p-Xylenes	0.0988	0.0021	0.00082	mg/kg	0.103	ND	96	70-130	6	25	
m-Xylene	0.0501	0.0021	0.00052	mg/kg	0.0515	ND	97	65-130	7	25	
Xylenes, Total	0.149	0.0041	0.0013	mg/kg	0.155	ND	96	70-125	6	25	
Diisopropyl Ether (DIPE)	0.0562	0.0052	0.00052	mg/kg	0.0515	ND	109	60-150	9	25	
Ethyl tert-Butyl Ether (ETBE)	0.0599	0.0052	0.00060	mg/kg	0.0515	ND	116	60-145	8	30	
Methyl-tert-butyl Ether (MTBE)	0.0585	0.0052	0.0010	mg/kg	0.0515	ND	114	55-155	9	35	
tert-Amyl Methyl Ether (TAME)	0.0624	0.0052	0.00066	mg/kg	0.0515	ND	121	60-150	9	25	
t-Butanol (TBA)	0.242	0.10	0.010	mg/kg	0.258	ND	94	65-145	4	30	
Surrogate: 4-Bromofluorobenzene	0.0512			mg/kg	0.0515		99	80-120			
Surrogate: Dibromofluoromethane	0.0600			mg/kg	0.0515		116	80-125			
Surrogate: Toluene-d8	0.0544			mg/kg	0.0515		105	80-120			

TestAmerica Irvine

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Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD RPD	Limit	Data Qualifiers
Batch: 1012831 Extracted: 09/26/10											
Blank Analyzed: 09/26/2010 (1012831-BLK1)											
Benzene	ND	0.0020	0.00050	mg/kg							
Bromobenzene	ND	0.0050	0.00084	mg/kg							
Bromochloromethane	ND	0.0050	0.00090	mg/kg							
Bromodichloromethane	ND	0.0020	0.00050	mg/kg							
Bromoform	ND	0.0050	0.00080	mg/kg							
Bromomethane	ND	0.0050	0.00092	mg/kg							
n-Butylbenzene	ND	0.0050	0.00072	mg/kg							
sec-Butylbenzene	ND	0.0050	0.00067	mg/kg							
tert-Butylbenzene	ND	0.0050	0.00062	mg/kg							
Carbon tetrachloride	ND	0.0050	0.00050	mg/kg							
Chlorobenzene	ND	0.0020	0.00052	mg/kg							
Chloroethane	ND	0.0050	0.0015	mg/kg							
Chloroform	ND	0.0020	0.00050	mg/kg							
Chloromethane	ND	0.0050	0.0010	mg/kg							
2-Chlorotoluene	ND	0.0050	0.00087	mg/kg							
4-Chlorotoluene	ND	0.0050	0.00074	mg/kg							
1,2-Dibromo-3-chloropropane	ND	0.0050	0.0015	mg/kg							
Dibromochloromethane	ND	0.0020	0.00070	mg/kg							
1,2-Dibromoethane (EDB)	ND	0.0020	0.00080	mg/kg							
Dibromomethane	ND	0.0020	0.00090	mg/kg							
1,2-Dichlorobenzene	ND	0.0020	0.00095	mg/kg							
1,3-Dichlorobenzene	ND	0.0020	0.00084	mg/kg							
1,4-Dichlorobenzene	ND	0.0020	0.00094	mg/kg							
Dichlorodifluoromethane	ND	0.0050	0.0015	mg/kg							
1,1-Dichloroethane	ND	0.0020	0.00050	mg/kg							
1,2-Dichloroethane	ND	0.0020	0.00080	mg/kg							
1,1-Dichloroethene	ND	0.0050	0.00060	mg/kg							
cis-1,2-Dichloroethene	ND	0.0020	0.00083	mg/kg							
trans-1,2-Dichloroethene	ND	0.0020	0.00070	mg/kg							
1,2-Dichloropropane	ND	0.0020	0.00080	mg/kg							
1,3-Dichloropropane	ND	0.0020	0.00063	mg/kg							
2,2-Dichloropropane	ND	0.0020	0.00060	mg/kg							
cis-1,3-Dichloropropene	ND	0.0020	0.00044	mg/kg							
trans-1,3-Dichloropropene	ND	0.0020	0.00061	mg/kg							
1,1-Dichloropropene	ND	0.0020	0.00040	mg/kg							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 10I2831 Extracted: 09/26/10										
Blank Analyzed: 09/26/2010 (10I2831-BLK1)										
Ethylbenzene	ND	0.0020	0.00050	mg/kg						
Hexachlorobutadiene	ND	0.0050	0.00080	mg/kg						
Isopropylbenzene	ND	0.0020	0.00054	mg/kg						
p-Isopropyltoluene	ND	0.0020	0.00072	mg/kg						
Methylene chloride	ND	0.0020	0.00065	mg/kg						
o-Phthalene	ND	0.0050	0.0011	mg/kg						
Propylbenzene	ND	0.0020	0.00061	mg/kg						
Styrene	ND	0.0020	0.00058	mg/kg						
1,1,1-Tetrachloroethane	ND	0.0050	0.00057	mg/kg						
1,1,2-Tetrachloroethane	ND	0.0020	0.00086	mg/kg						
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00049	mg/kg						
Toluene	ND	0.0020	0.00050	mg/kg						
1,3-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,4-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,1,1-Trichloroethane	ND	0.0020	0.00070	mg/kg						
1,1,2-Trichloroethane	ND	0.0020	0.00087	mg/kg						
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00050	mg/kg						
Trichlorofluoromethane	ND	0.0050	0.00054	mg/kg						
1,2,3-Trichloropropane	ND	0.010	0.0010	mg/kg						
1,2,4-Trimethylbenzene	ND	0.0020	0.00078	mg/kg						
1,3,5-Trimethylbenzene	ND	0.0020	0.00063	mg/kg						
Vinyl chloride	ND	0.0050	0.00091	mg/kg						
p-Xylenes	ND	0.0020	0.00080	mg/kg						
m-Xylene	ND	0.0020	0.00050	mg/kg						
Xylenes, Total	ND	0.0040	0.0013	mg/kg						
Diisopropyl Ether (DIPE)	ND	0.0050	0.00050	mg/kg						
Ethyl tert-Butyl Ether (ETBE)	ND	0.0050	0.00058	mg/kg						
Methyl-tert-butyl Ether (MTBE)	ND	0.0050	0.0010	mg/kg						
tert-Amyl Methyl Ether (TAME)	ND	0.0050	0.00064	mg/kg						
t-Butanol (TBA)	ND	0.10	0.010	mg/kg						
Surrogate: 4-Bromofluorobenzene	0.0490			mg/kg	0.0500		98	80-120		
Surrogate: Dibromofluoromethane	0.0480			mg/kg	0.0500		96	80-125		
Surrogate: Toluene-d8	0.0521			mg/kg	0.0500		104	80-120		

TestAmerica Irvine

Lena Davidkova
 Project Manager

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Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 1012831 Extracted: 09/26/10										
LCS Analyzed: 09/26/2010 (1012831-BS1)										
Benzene	0.0565	0.0020	0.00050	mg/kg	0.0500		113 65-120			
Bromobenzene	0.0559	0.0050	0.00084	mg/kg	0.0500		112 75-120			
Bromochloromethane	0.0553	0.0050	0.00090	mg/kg	0.0500		111 70-135			
Bromodichloromethane	0.0693	0.0020	0.00050	mg/kg	0.0500		139 70-135			L
Bromoform	0.0590	0.0050	0.00080	mg/kg	0.0500		118 55-135			
Bromomethane	0.0502	0.0050	0.00092	mg/kg	0.0500		100 60-145			
n-Butylbenzene	0.0499	0.0050	0.00072	mg/kg	0.0500		100 70-130			
sec-Butylbenzene	0.0550	0.0050	0.00067	mg/kg	0.0500		110 70-125			
tert-Butylbenzene	0.0529	0.0050	0.00062	mg/kg	0.0500		106 70-125			
Carbon tetrachloride	0.0679	0.0050	0.00050	mg/kg	0.0500		136 65-140			
Chlorobenzene	0.0536	0.0020	0.00052	mg/kg	0.0500		107 75-120			
Chloroethane	0.0522	0.0050	0.0015	mg/kg	0.0500		104 60-140			
Chloroform	0.0599	0.0020	0.00050	mg/kg	0.0500		120 70-130			
Chloromethane	0.0495	0.0050	0.0010	mg/kg	0.0500		99 45-145			
2-Chlorotoluene	0.0524	0.0050	0.00087	mg/kg	0.0500		105 70-125			
4-Chlorotoluene	0.0533	0.0050	0.00074	mg/kg	0.0500		107 75-125			
1,2-Dibromo-3-chloropropane	0.0659	0.0050	0.0015	mg/kg	0.0500		132 50-135			
Dibromochloromethane	0.0675	0.0020	0.00070	mg/kg	0.0500		135 65-140			
1,2-Dibromoethane (EDB)	0.0617	0.0020	0.00080	mg/kg	0.0500		123 70-130			
Dibromomethane	0.0589	0.0020	0.00090	mg/kg	0.0500		118 70-130			
1,2-Dichlorobenzene	0.0553	0.0020	0.00095	mg/kg	0.0500		111 75-120			
1,3-Dichlorobenzene	0.0547	0.0020	0.00084	mg/kg	0.0500		109 75-125			
1,4-Dichlorobenzene	0.0535	0.0020	0.00094	mg/kg	0.0500		107 75-120			
Dichlorodifluoromethane	0.0479	0.0050	0.0015	mg/kg	0.0500		96 35-160			
1,1-Dichloroethane	0.0566	0.0020	0.00050	mg/kg	0.0500		113 70-130			
1,2-Dichloroethane	0.0630	0.0020	0.00080	mg/kg	0.0500		126 60-140			
1,1-Dichloroethene	0.0520	0.0050	0.00060	mg/kg	0.0500		104 70-125			
cis-1,2-Dichloroethene	0.0545	0.0020	0.00083	mg/kg	0.0500		109 70-125			
trans-1,2-Dichloroethene	0.0533	0.0020	0.00070	mg/kg	0.0500		107 70-125			
1,2-Dichloropropane	0.0570	0.0020	0.00080	mg/kg	0.0500		114 70-130			
1,3-Dichloropropane	0.0607	0.0020	0.00063	mg/kg	0.0500		121 70-125			
2,2-Dichloropropane	0.0709	0.0020	0.00060	mg/kg	0.0500		142 60-145			
cis-1,3-Dichloropropene	0.0630	0.0020	0.00044	mg/kg	0.0500		126 75-125			L
trans-1,3-Dichloropropene	0.0703	0.0020	0.00061	mg/kg	0.0500		141 70-135			L
1,1-Dichloropropene	0.0591	0.0020	0.00040	mg/kg	0.0500		118 70-130			

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targaryan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 10I2831 Extracted: 09/26/10										
CS Analyzed: 09/26/2010 (10I2831-BS1)										
Ethylbenzene	0.0563	0.0020	0.00050	mg/kg	0.0500		113	70-125		
Hexachlorobutadiene	0.0602	0.0050	0.00080	mg/kg	0.0500		120	60-135		
Isopropylbenzene	0.0538	0.0020	0.00054	mg/kg	0.0500		108	75-130		
Isopropyltoluene	0.0506	0.0020	0.00072	mg/kg	0.0500		101	75-125		
Methylene chloride	0.0513	0.020	0.0065	mg/kg	0.0500		103	55-135		
o-Phthalene	0.0508	0.0050	0.0011	mg/kg	0.0500		102	55-135		
Propylbenzene	0.0521	0.0020	0.00061	mg/kg	0.0500		104	70-130		
Styrene	0.0610	0.0020	0.00058	mg/kg	0.0500		122	75-130		
1,1,1,2-Tetrachloroethane	0.0637	0.0050	0.00057	mg/kg	0.0500		127	70-130		
1,1,2,2-Tetrachloroethane	0.0575	0.0020	0.00086	mg/kg	0.0500		115	55-140		
1,1,2,2-Tetrachloroethene	0.0569	0.0020	0.00049	mg/kg	0.0500		114	70-125		
Toluene	0.0531	0.0020	0.00050	mg/kg	0.0500		106	70-125		
1,3-Trichlorobenzene	0.0545	0.0050	0.0010	mg/kg	0.0500		109	60-130		
1,4-Trichlorobenzene	0.0528	0.0050	0.0010	mg/kg	0.0500		106	70-135		
1,1,1-Trichloroethane	0.0619	0.0020	0.00070	mg/kg	0.0500		124	65-135		
1,1,2-Trichloroethane	0.0607	0.0020	0.00087	mg/kg	0.0500		121	65-135		
1,1-Dichloroethene	0.0535	0.0020	0.00050	mg/kg	0.0500		107	70-125		
1,1-Dichlorofluoromethane	0.0677	0.0050	0.00054	mg/kg	0.0500		135	60-145		
1,2,3-Trichloropropane	0.0572	0.010	0.0010	mg/kg	0.0500		114	60-135		
1,4-Trimethylbenzene	0.0582	0.0020	0.00078	mg/kg	0.0500		116	70-125		
1,3,5-Trimethylbenzene	0.0573	0.0020	0.00063	mg/kg	0.0500		115	70-125		
Vinyl chloride	0.0574	0.0050	0.00091	mg/kg	0.0500		115	55-135		
p-Xylenes	0.115	0.0020	0.00080	mg/kg	0.100		115	70-125		
m-Xylene	0.0582	0.0020	0.00050	mg/kg	0.0500		116	70-125		
Xylenes, Total	0.173	0.0040	0.0013	mg/kg	0.150		115	70-125		
Di-isopropyl Ether (DIPE)	0.0566	0.0050	0.00050	mg/kg	0.0500		113	60-140		
tert-Butyl tert-Butyl Ether (ETBE)	0.0561	0.0050	0.00058	mg/kg	0.0500		112	60-140		
Methyl-tert-butyl Ether (MTBE)	0.0567	0.0050	0.0010	mg/kg	0.0500		113	60-140		
tert-Amyl Methyl Ether (TAME)	0.0563	0.0050	0.00064	mg/kg	0.0500		113	60-145		
n-Butanol (TBA)	0.277	0.10	0.010	mg/kg	0.250		111	70-135		
Surrogate: 4-Bromofluorobenzene	0.0498			mg/kg	0.0500		100	80-120		
Surrogate: Dibromofluoromethane	0.0512			mg/kg	0.0500		102	80-125		
Surrogate: Toluene-d8	0.0513			mg/kg	0.0500		103	80-120		

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Data Qualifiers
Batch: 1012831 Extracted: 09/26/10									
Matrix Spike Analyzed: 09/26/2010 (1012831-MS1)					Source: ITI1842-31				
Benzene	0.0587	0.0020	0.00050	mg/kg	0.0500	ND	117 65-130		
Bromobenzene	0.0581	0.0050	0.00084	mg/kg	0.0500	ND	116 65-140		
Bromochloromethane	0.0541	0.0050	0.00090	mg/kg	0.0500	ND	108 65-145		
Bromodichloromethane	0.0712	0.0020	0.00050	mg/kg	0.0500	ND	142 65-145		
Bromoform	0.0639	0.0050	0.00080	mg/kg	0.0500	ND	128 50-145		
Bromomethane	0.0486	0.0050	0.00092	mg/kg	0.0500	ND	97 60-155		
n-Butylbenzene	0.0545	0.0050	0.00072	mg/kg	0.0500	ND	109 55-145		
sec-Butylbenzene	0.0592	0.0050	0.00067	mg/kg	0.0500	ND	118 60-135		
tert-Butylbenzene	0.0563	0.0050	0.00062	mg/kg	0.0500	ND	113 60-140		
Carbon tetrachloride	0.0734	0.0050	0.00050	mg/kg	0.0500	ND	147 60-145		MI
Chlorobenzene	0.0558	0.0020	0.00052	mg/kg	0.0500	ND	112 70-130		
Chloroethane	0.0526	0.0050	0.0015	mg/kg	0.0500	ND	105 60-150		
Chloroform	0.0570	0.0020	0.00050	mg/kg	0.0500	ND	114 65-135		
Chloromethane	0.0485	0.0050	0.0010	mg/kg	0.0500	ND	97 40-145		
2-Chlorotoluene	0.0554	0.0050	0.00087	mg/kg	0.0500	ND	111 60-135		
4-Chlorotoluene	0.0563	0.0050	0.00074	mg/kg	0.0500	ND	113 65-135		
1,2-Dibromo-3-chloropropane	0.0751	0.0050	0.0015	mg/kg	0.0500	ND	150 40-150		
Dibromochloromethane	0.0712	0.0020	0.00070	mg/kg	0.0500	ND	142 60-145		
1,2-Dibromoethane (EDB)	0.0675	0.0020	0.00080	mg/kg	0.0500	ND	135 65-140		
Dibromomethane	0.0614	0.0020	0.00090	mg/kg	0.0500	ND	123 65-140		
1,2-Dichlorobenzene	0.0572	0.0020	0.00095	mg/kg	0.0500	ND	114 70-130		
1,3-Dichlorobenzene	0.0575	0.0020	0.00084	mg/kg	0.0500	ND	115 70-130		
1,4-Dichlorobenzene	0.0560	0.0020	0.00094	mg/kg	0.0500	ND	112 70-130		
Dichlorodifluoromethane	0.0499	0.0050	0.0015	mg/kg	0.0500	ND	100 30-160		
1,1-Dichloroethane	0.0545	0.0020	0.00050	mg/kg	0.0500	ND	109 65-135		
1,2-Dichloroethane	0.0656	0.0020	0.00080	mg/kg	0.0500	ND	131 60-150		
1,1-Dichloroethene	0.0537	0.0050	0.00060	mg/kg	0.0500	ND	107 65-135		
cis-1,2-Dichloroethene	0.0510	0.0020	0.00083	mg/kg	0.0500	ND	102 65-135		
trans-1,2-Dichloroethene	0.0516	0.0020	0.00070	mg/kg	0.0500	ND	103 70-135		
1,2-Dichloropropane	0.0584	0.0020	0.00080	mg/kg	0.0500	ND	117 65-130		
1,3-Dichloropropane	0.0653	0.0020	0.00063	mg/kg	0.0500	ND	131 65-140		
2,2-Dichloropropane	0.0682	0.0020	0.00060	mg/kg	0.0500	ND	136 65-150		
cis-1,3-Dichloropropene	0.0652	0.0020	0.00044	mg/kg	0.0500	ND	130 70-135		
trans-1,3-Dichloropropene	0.0725	0.0020	0.00061	mg/kg	0.0500	ND	145 60-145		
1,1-Dichloropropene	0.0640	0.0020	0.00040	mg/kg	0.0500	ND	128 65-135		

TestAmerica Irvine

Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
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 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	RPD	Data Qualifiers
Batch: 1012831 Extracted: 09/26/10									
Matrix Spike Analyzed: 09/26/2010 (1012831-MS1)					Source: IT11842-31				
Ethylbenzene	0.0606	0.0020	0.00050	mg/kg	0.0500	ND	121	70-135	
Hexachlorobutadiene	0.0590	0.0050	0.00080	mg/kg	0.0500	ND	118	50-145	
Isopropylbenzene	0.0574	0.0020	0.00054	mg/kg	0.0500	ND	115	70-145	
Isopropyltoluene	0.0544	0.0020	0.00072	mg/kg	0.0500	ND	109	60-140	
Methylene chloride	0.0493	0.0020	0.00065	mg/kg	0.0500	ND	99	55-145	
o-Phthalene	0.0534	0.0050	0.0011	mg/kg	0.0500	ND	107	40-150	
Propylbenzene	0.0565	0.0020	0.00061	mg/kg	0.0500	ND	113	65-140	
Styrene	0.0638	0.0020	0.00058	mg/kg	0.0500	ND	128	70-140	
1,1,2-Tetrachloroethane	0.0655	0.0050	0.00057	mg/kg	0.0500	ND	131	65-145	
1,2,2-Tetrachloroethane	0.0655	0.0020	0.00086	mg/kg	0.0500	ND	131	40-160	
1,1,1-Trichloroethane	0.0621	0.0020	0.00049	mg/kg	0.0500	ND	124	65-135	
Toluene	0.0555	0.0020	0.00050	mg/kg	0.0500	ND	111	70-130	
2,3-Trichlorobenzene	0.0544	0.0050	0.0010	mg/kg	0.0500	ND	109	45-145	
2,4-Trichlorobenzene	0.0537	0.0050	0.0010	mg/kg	0.0500	ND	107	50-140	
1,1,1-Trichloroethane	0.0610	0.0020	0.00070	mg/kg	0.0500	ND	122	65-145	
1,2-Trichloroethane	0.0626	0.0020	0.00087	mg/kg	0.0500	ND	125	65-140	
1,1,2-Trichloroethane	0.0570	0.0020	0.00050	mg/kg	0.0500	ND	114	65-140	
Trichlorofluoromethane	0.0696	0.0050	0.00054	mg/kg	0.0500	ND	139	55-155	
1,2,3-Trichloropropane	0.0634	0.010	0.0010	mg/kg	0.0500	ND	127	50-150	
2,4-Trimethylbenzene	0.0614	0.0020	0.00078	mg/kg	0.0500	ND	123	65-140	
1,3,5-Trimethylbenzene	0.0612	0.0020	0.00063	mg/kg	0.0500	ND	122	65-135	
Vinyl chloride	0.0581	0.0050	0.00091	mg/kg	0.0500	ND	116	55-140	
p-Xylenes	0.122	0.0020	0.00080	mg/kg	0.100	ND	122	70-130	
Xylene	0.0622	0.0020	0.00050	mg/kg	0.0500	ND	124	65-130	
Xylenes, Total	0.184	0.0040	0.0013	mg/kg	0.150	ND	123	70-125	
Di-isopropyl Ether (DIPE)	0.0539	0.0050	0.00050	mg/kg	0.0500	ND	108	60-150	
Ethyl tert-Butyl Ether (ETBE)	0.0539	0.0050	0.00058	mg/kg	0.0500	ND	108	60-145	
Methyl-tert-butyl Ether (MTBE)	0.0559	0.0050	0.0010	mg/kg	0.0500	ND	112	55-155	
tert-Amyl Methyl Ether (TAME)	0.0556	0.0050	0.00064	mg/kg	0.0500	ND	111	60-150	
tert-Butanol (TBA)	0.285	0.10	0.010	mg/kg	0.250	ND	114	65-145	
Surrogate: 4-Bromofluorobenzene	0.0502			mg/kg	0.0500		100	80-120	
Surrogate: Dibromofluoromethane	0.0467			mg/kg	0.0500		93	80-125	
Surrogate: Toluene-d8	0.0516			mg/kg	0.0500		103	80-120	

TestAmerica Irvine

Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
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Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: IT11720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1012831 Extracted: 09/26/10											
Matrix Spike Dup Analyzed: 09/26/2010 (1012831-MSD1)						Source: IT11842-31					
Benzene	0.0554	0.0020	0.00050	mg/kg	0.0497	ND	111	65-130	6	20	
Bromobenzene	0.0557	0.0050	0.00083	mg/kg	0.0497	ND	112	65-140	4	25	
Bromochloromethane	0.0498	0.0050	0.00089	mg/kg	0.0497	ND	100	65-145	8	25	
Bromodichloromethane	0.0655	0.0020	0.00050	mg/kg	0.0497	ND	132	65-145	8	20	
Bromoform	0.0605	0.0050	0.00080	mg/kg	0.0497	ND	122	50-145	6	30	
Bromomethane	0.0459	0.0050	0.00091	mg/kg	0.0497	ND	92	60-155	6	25	
n-Butylbenzene	0.0530	0.0050	0.00072	mg/kg	0.0497	ND	107	55-145	3	30	
sec-Butylbenzene	0.0578	0.0050	0.00067	mg/kg	0.0497	ND	116	60-135	2	25	
tert-Butylbenzene	0.0546	0.0050	0.00062	mg/kg	0.0497	ND	110	60-140	3	25	
Carbon tetrachloride	0.0703	0.0050	0.00050	mg/kg	0.0497	ND	141	60-145	4	25	
Chlorobenzene	0.0527	0.0020	0.00052	mg/kg	0.0497	ND	106	70-130	6	25	
Chloroethane	0.0502	0.0050	0.0015	mg/kg	0.0497	ND	101	60-150	5	25	
Chloroform	0.0547	0.0020	0.00050	mg/kg	0.0497	ND	110	65-135	4	20	
Chloromethane	0.0459	0.0050	0.00099	mg/kg	0.0497	ND	92	40-145	6	25	
2-Chlorotoluene	0.0523	0.0050	0.00086	mg/kg	0.0497	ND	105	60-135	6	25	
4-Chlorotoluene	0.0528	0.0050	0.00074	mg/kg	0.0497	ND	106	65-135	7	25	
1,2-Dibromo-3-chloropropane	0.0709	0.0050	0.0015	mg/kg	0.0497	ND	143	40-150	6	30	
Dibromochloromethane	0.0673	0.0020	0.00070	mg/kg	0.0497	ND	135	60-145	6	25	
1,2-Dibromoethane (EDB)	0.0632	0.0020	0.00080	mg/kg	0.0497	ND	127	65-140	7	25	
Dibromomethane	0.0576	0.0020	0.00089	mg/kg	0.0497	ND	116	65-140	7	25	
1,2-Dichlorobenzene	0.0537	0.0020	0.00094	mg/kg	0.0497	ND	108	70-130	6	25	
1,3-Dichlorobenzene	0.0540	0.0020	0.00083	mg/kg	0.0497	ND	109	70-130	6	25	
1,4-Dichlorobenzene	0.0531	0.0020	0.00093	mg/kg	0.0497	ND	107	70-130	5	25	
Dichlorodifluoromethane	0.0496	0.0050	0.0015	mg/kg	0.0497	ND	100	30-160	0.6	35	
1,1-Dichloroethane	0.0522	0.0020	0.00050	mg/kg	0.0497	ND	105	65-135	4	25	
1,2-Dichloroethane	0.0614	0.0020	0.00080	mg/kg	0.0497	ND	124	60-150	7	25	
1,1-Dichloroethene	0.0528	0.0050	0.00060	mg/kg	0.0497	ND	106	65-135	2	25	
cis-1,2-Dichloroethene	0.0489	0.0020	0.00083	mg/kg	0.0497	ND	98	65-135	4	25	
trans-1,2-Dichloroethene	0.0497	0.0020	0.00070	mg/kg	0.0497	ND	100	70-135	4	25	
1,2-Dichloropropane	0.0563	0.0020	0.00080	mg/kg	0.0497	ND	113	65-130	4	20	
1,3-Dichloropropane	0.0605	0.0020	0.00063	mg/kg	0.0497	ND	122	65-140	8	25	
2,2-Dichloropropane	0.0662	0.0020	0.00060	mg/kg	0.0497	ND	133	65-150	3	25	
cis-1,3-Dichloropropene	0.0609	0.0020	0.00044	mg/kg	0.0497	ND	123	70-135	7	25	
trans-1,3-Dichloropropene	0.0678	0.0020	0.00061	mg/kg	0.0497	ND	136	60-145	7	25	
1,1-Dichloropropene	0.0616	0.0020	0.00040	mg/kg	0.0497	ND	124	65-135	4	20	

TestAmerica Irvine

Lena Davidkova
Project Manager

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Attention: Steve Targanyan

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Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting		Units	Spike Level	Source		%REC		RPD Limit	Data Qualifiers
		Limit	MDL			Result	%REC	Limits	RPD		
Batch: 10I2831 Extracted: 09/26/10											
Matrix Spike Dup Analyzed: 09/26/2010 (10I2831-MSD1)						Source: ITI1842-31					
Ethylbenzene	0.0578	0.0020	0.00050	mg/kg	0.0497	ND	116	70-135	5	25	
Hexachlorobutadiene	0.0592	0.0050	0.00080	mg/kg	0.0497	ND	119	50-145	0.3	35	
o-Propylbenzene	0.0553	0.0020	0.00054	mg/kg	0.0497	ND	111	70-145	4	25	
Isopropyltoluene	0.0528	0.0020	0.00072	mg/kg	0.0497	ND	106	60-140	3	25	
Methylene chloride	0.0460	0.020	0.0065	mg/kg	0.0497	ND	93	55-145	7	25	
naphthalene	0.0514	0.0050	0.0011	mg/kg	0.0497	ND	103	40-150	4	40	
Propylbenzene	0.0544	0.0020	0.00061	mg/kg	0.0497	ND	109	65-140	4	25	
Styrene	0.0594	0.0020	0.00058	mg/kg	0.0497	ND	120	70-140	7	25	
1,1,2-Tetrachloroethane	0.0619	0.0050	0.00057	mg/kg	0.0497	ND	125	65-145	6	20	
1,2,2-Tetrachloroethane	0.0618	0.0020	0.00085	mg/kg	0.0497	ND	124	40-160	6	30	
1,2,3-Tetrachloroethane	0.0603	0.0020	0.00049	mg/kg	0.0497	ND	121	65-135	3	25	
Toluene	0.0528	0.0020	0.00050	mg/kg	0.0497	ND	106	70-130	5	20	
1,2,3-Trichlorobenzene	0.0510	0.0050	0.00099	mg/kg	0.0497	ND	103	45-145	6	30	
1,2,4-Trichlorobenzene	0.0496	0.0050	0.00099	mg/kg	0.0497	ND	100	50-140	8	30	
1,1,1-Trichloroethane	0.0587	0.0020	0.00070	mg/kg	0.0497	ND	118	65-145	4	20	
1,1,2-Trichloroethane	0.0604	0.0020	0.00086	mg/kg	0.0497	ND	122	65-140	4	30	
1,1,2-Trichloroethene	0.0544	0.0020	0.00050	mg/kg	0.0497	ND	109	65-140	5	25	
Trichlorofluoromethane	0.0684	0.0050	0.00054	mg/kg	0.0497	ND	138	55-155	2	25	
1,2,3-Trichloropropane	0.0606	0.0099	0.00099	mg/kg	0.0497	ND	122	50-150	4	30	
1,2,4-Trimethylbenzene	0.0582	0.0020	0.00078	mg/kg	0.0497	ND	117	65-140	5	25	
1,3,5-Trimethylbenzene	0.0583	0.0020	0.00063	mg/kg	0.0497	ND	117	65-135	5	25	
Vinyl chloride	0.0564	0.0050	0.00090	mg/kg	0.0497	ND	114	55-140	3	30	
p-Xylenes	0.115	0.0020	0.00080	mg/kg	0.0994	ND	115	70-130	6	25	
Xylene	0.0582	0.0020	0.00050	mg/kg	0.0497	ND	117	65-130	7	25	
Xylenes, Total	0.173	0.0040	0.0013	mg/kg	0.149	ND	116	70-125	7	25	
Di-isopropyl Ether (DIPE)	0.0505	0.0050	0.00050	mg/kg	0.0497	ND	102	60-150	7	25	
Ethyl tert-Butyl Ether (ETBE)	0.0509	0.0050	0.00058	mg/kg	0.0497	ND	102	60-145	6	30	
Methyl-tert-butyl Ether (MTBE)	0.0528	0.0050	0.00099	mg/kg	0.0497	ND	106	55-155	6	35	
tert-Amyl Methyl Ether (TAME)	0.0520	0.0050	0.00064	mg/kg	0.0497	ND	105	60-150	7	25	
tert-Butanol (TBA)	0.265	0.099	0.0099	mg/kg	0.249	ND	107	65-145	7	30	
Surrogate: 4-Bromofluorobenzene	0.0490			mg/kg	0.0497		99	80-120			
Surrogate: Dibromofluoromethane	0.0464			mg/kg	0.0497		93	80-125			
Surrogate: Toluene-d8	0.0513			mg/kg	0.0497		103	80-120			

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I3093 Extracted: 09/28/10											
Blank Analyzed: 09/28/2010 (10I3093-BLK1)											
Mercury	ND	0.020	0.012	mg/kg							
LCS Analyzed: 09/28/2010 (10I3093-BS1)											
Mercury	0.947	0.020	0.012	mg/kg	0.800		118	80-120			
Matrix Spike Analyzed: 09/28/2010 (10I3093-MS1)											
						Source: ITI1756-03					
Mercury	0.972	0.020	0.012	mg/kg	0.800	0.0163	119	70-130			
Matrix Spike Dup Analyzed: 09/28/2010 (10I3093-MSD1)											
						Source: ITI1756-03					
Mercury	0.951	0.020	0.012	mg/kg	0.800	0.0163	117	70-130	2	20	
Batch: 10I3132 Extracted: 09/28/10											
Blank Analyzed: 09/29/2010-09/30/2010 (10I3132-BLK1)											
Antimony	ND	10	0.88	mg/kg							
Arsenic	0.816	2.0	0.81	mg/kg							J
Barium	ND	1.0	0.80	mg/kg							
Beryllium	ND	0.50	0.20	mg/kg							
Cadmium	ND	0.50	0.20	mg/kg							
Chromium	ND	1.0	0.30	mg/kg							
Cobalt	ND	1.0	0.30	mg/kg							
Copper	ND	2.0	0.38	mg/kg							
Lead	ND	2.0	0.50	mg/kg							
Molybdenum	ND	2.0	0.20	mg/kg							
Nickel	0.334	2.0	0.20	mg/kg							J
Selenium	ND	2.0	1.0	mg/kg							
Silver	ND	1.0	0.80	mg/kg							
Thallium	ND	10	0.80	mg/kg							
Vanadium	ND	1.0	0.30	mg/kg							
Zinc	ND	5.0	0.75	mg/kg							

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 Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
Received: 09/21/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10I3132 Extracted: 09/28/10											
CS Analyzed: 09/29/2010-09/30/2010 (10I3132-BS1)											
Antimony	47.9	9.9	0.87	mg/kg	49.3		97	80-120			
Arsenic	51.4	2.0	0.80	mg/kg	49.3		104	80-120			
Barium	49.8	0.99	0.79	mg/kg	49.3		101	80-120			
Beryllium	48.7	0.49	0.20	mg/kg	49.3		99	80-120			
Cadmium	47.4	0.49	0.20	mg/kg	49.3		96	80-120			
Chromium	47.9	0.99	0.30	mg/kg	49.3		97	80-120			
Cobalt	47.0	0.99	0.30	mg/kg	49.3		96	80-120			
Copper	48.1	2.0	0.37	mg/kg	49.3		98	80-120			
Lead	48.6	2.0	0.49	mg/kg	49.3		99	80-120			
Molybdenum	47.0	2.0	0.20	mg/kg	49.3		95	80-120			
Nickel	47.8	2.0	0.20	mg/kg	49.3		97	80-120			
Selenium	45.9	2.0	0.99	mg/kg	49.3		93	80-120			
Silver	24.5	0.99	0.79	mg/kg	24.6		99	80-120			
Thallium	48.8	9.9	0.79	mg/kg	49.3		99	80-120			
Vanadium	48.1	0.99	0.30	mg/kg	49.3		98	80-120			
Zinc	47.1	4.9	0.74	mg/kg	49.3		96	80-120			

Matrix Spike Analyzed: 09/29/2010-09/30/2010 (10I3132-MS1)

Source: ITI1756-03

Antimony	49.9	10	0.88	mg/kg	50.3	1.72	96	75-125			
Arsenic	62.9	2.0	0.81	mg/kg	50.3	7.80	110	75-125			
Barium	243	1.0	0.80	mg/kg	50.3	171	144	75-125			MI
Beryllium	54.8	0.50	0.20	mg/kg	50.3	0.623	108	75-125			
Cadmium	53.0	0.50	0.20	mg/kg	50.3	2.08	101	75-125			
Chromium	95.4	1.0	0.30	mg/kg	50.3	35.8	118	75-125			
Cobalt	57.7	1.0	0.30	mg/kg	50.3	7.79	99	75-125			
Copper	80.3	2.0	0.38	mg/kg	50.3	24.6	111	75-125			
Lead	56.5	2.0	0.50	mg/kg	50.3	5.35	102	75-125			
Molybdenum	52.8	2.0	0.20	mg/kg	50.3	8.79	88	75-125			
Nickel	90.2	2.0	0.20	mg/kg	50.3	35.1	110	75-125			
Platinum	50.4	2.0	1.0	mg/kg	50.3	ND	100	75-125			
Silver	27.2	1.0	0.80	mg/kg	25.1	ND	108	75-125			
Thallium	50.4	10	0.80	mg/kg	50.3	ND	100	75-125			
Vanadium	148	1.0	0.30	mg/kg	50.3	81.1	134	75-125			MI
Zinc	117	5.0	0.75	mg/kg	50.3	72.8	88	75-125			

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10
 Received: 09/21/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1013132 Extracted: 09/28/10											
Matrix Spike Dup Analyzed: 09/29/2010-09/30/2010 (1013132-MSD1)						Source: ITI1756-03					
Antimony	53.2	9.9	0.87	mg/kg	49.5	1.72	104	75-125	6	20	
Arsenic	67.1	2.0	0.80	mg/kg	49.5	7.80	120	75-125	6	20	
Barium	266	0.99	0.79	mg/kg	49.5	171	193	75-125	9	20	MI
Beryllium	59.0	0.50	0.20	mg/kg	49.5	0.623	118	75-125	7	20	
Cadmium	56.9	0.50	0.20	mg/kg	49.5	2.08	111	75-125	7	20	
Chromium	101	0.99	0.30	mg/kg	49.5	35.8	132	75-125	6	20	MI
Cobalt	61.7	0.99	0.30	mg/kg	49.5	7.79	109	75-125	7	20	
Copper	87.2	2.0	0.38	mg/kg	49.5	24.6	126	75-125	8	20	MI
Lead	60.5	2.0	0.50	mg/kg	49.5	5.35	111	75-125	7	20	
Molybdenum	48.9	2.0	0.20	mg/kg	49.5	8.79	81	75-125	8	20	
Nickel	96.8	2.0	0.20	mg/kg	49.5	35.1	125	75-125	7	20	
Selenium	52.1	2.0	0.99	mg/kg	49.5	ND	105	75-125	3	20	
Silver	28.8	0.99	0.79	mg/kg	24.8	ND	116	75-125	6	20	
Thallium	54.0	9.9	0.79	mg/kg	49.5	ND	109	75-125	7	20	
Vanadium	160	0.99	0.30	mg/kg	49.5	81.1	159	75-125	8	20	MI
Zinc	107	5.0	0.74	mg/kg	49.5	72.8	70	75-125	8	20	MI

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Report Number: ITI1720

Sampled: 09/20/10
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DATA QUALIFIERS AND DEFINITIONS

- B-1** Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M3** The RPD exceeded the acceptance limit due to sample matrix effects.
- N2** Surrogate recovery was above the acceptance limits. Data not impacted.
- 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

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
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Attention: Steve Targanyan

Project ID: CVX 1001654 601 S. Vail Ave. Montebello, CA

Report Number: ITI1720

Sampled: 09/20/10

Received: 09/21/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6010B	Soil	X	X
EPA 7471A	Soil	X	X
EPA 8015 Mod.	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	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

Subcontracted Laboratories

Aquatic Testing Laboratories-SUB *California Cert #1775*

4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Haz. Waste

Samples: ITI1720-03

TestAmerica Irvine

Lena Davidkova
Project Manager

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard, Suite 400 ■ Brea, CA 92821

ITJ 1720

COC

1 of 1

Chevron Site Number <u>100-1654</u>		Chevron Consultant: Science Applications Intl. Corp. (SAIC)	
Chevron Site Global ID <u>1060370473</u>		Address: 500 W. Central Ave, Suite 1, Brea, CA 92821	
Chevron Site Address <u>601 S. Verd Ave</u>		Consultant Contact: <u>Steve Jorganyan</u>	
<u>Montebello, Ca</u>		Consultant Phone No.: <u>(714) 257-6407</u>	
Chevron PM: <u>John Pizzolunghi</u>		Consultant Project No.: <u>46010 BROSS-PI0-01</u>	
Chevron PM Phone No.: <u>(714) 671-3341</u>		Sampling Company: <u>SAIC</u>	
<input type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input type="checkbox"/> Construction/Retail Job		Sampled By (PRINT): <u>WALID MASHLOUP</u>	
Charge Code: <u>NWRTB 1001654-0</u>		Sampler Signature: <u>Walid Mashloup</u>	
WBS ELEMENTS: Site Assessment: A1L Remediation Implementation: RSL Site Monitoring: OML Operation Maintenance & Monitoring: M1L This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.		Lancaster Laboratory Lancaster, PA Lab Contact: Megay Moeller Phone No.: (717) 956-2300 Ext. 1246	
NWRTB 00 SITE NUMBER <u>0</u> WBS Charge Code: <u>1001654-0</u>		Other Lab <u>Test America</u> Temp. Blank Check Time _____ Temp. _____	
SAMPLE ID			
Field Point Name	Matrix	Top Depth	Date (yymmdd)
SP-1	S	-	000920
SP-2	S	-	000920
SP-3	S	-	100920
Relinquished By: <u>Walid Mashloup</u> Company: <u>SAIC</u> Date / Time: <u>10:25 9/20/10</u>			
Relinquished By: <u>John Pizzolunghi</u> Company: <u>SAIC</u> Date / Time: <u>12:00 9/21/10</u>			
Relinquished By: <u>John Pizzolunghi</u> Company: <u>SAIC</u> Date / Time: <u>9/21/10</u>			

ANALYSES REQUIRED		Notes / Comments
<input type="checkbox"/> EPA 8015B GRO <input type="checkbox"/> EPA 8021B BTEX <input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na <input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/> EPA 150.1 PH <input type="checkbox"/> EPA 418.1 TRPH <input type="checkbox"/> EPA 413.1 OIL & GREASE <input type="checkbox"/> SM 2510B SPECIFIC CONDUCTIVITY <input type="checkbox"/> EPA 310.1 ALKALINITY <input type="checkbox"/> STLC <input type="checkbox"/> HC SCREEN <input type="checkbox"/> OXYGENATES <input type="checkbox"/> MTEX <input type="checkbox"/> DRO <input type="checkbox"/> ORO	<input checked="" type="checkbox"/> EPA 8260B/GCMS <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTEX <input checked="" type="checkbox"/> GRO <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> DRO <input checked="" type="checkbox"/> ORO <input checked="" type="checkbox"/> HC SCREEN <input checked="" type="checkbox"/> STLC <input checked="" type="checkbox"/> EPA 6010/7000 TITLE 22 METALS <input checked="" type="checkbox"/> EPA 150.1 PH <input checked="" type="checkbox"/> EPA 418.1 TRPH <input checked="" type="checkbox"/> EPA 413.1 OIL & GREASE <input checked="" type="checkbox"/> SM 2510B SPECIFIC CONDUCTIVITY	Title 22 Can metals, Total only soluble if total exceeds 10x soluble threshold limit concentrations. TCSP may be needed upon results. + Bio assay 9/22/10 16:30

Relinquished To: Walid Mashloup Company: SAIC Date / Time: 10:25 9/21/10

Relinquished To: John Pizzolunghi Company: SAIC Date / Time: 12:00 9/21/10

Relinquished To: John Pizzolunghi Company: SAIC Date / Time: 9/21/10

20965

211107

LABORATORY REPORT



"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Date: October 3, 2010
Client: TestAmerica, Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Lena Davidkova

Laboratory No.: A-10092301-001
Sample ID.: ITI1720-03

Sample Control: The samples were received by ATL in a chilled state, with the chain of custody record attached.

Date Sampled: 09/20/10
Date Received: 09/23/10
Date Tested: 09/24/10 to 09/28/10

Sample Analysis: The following analyses were performed on your sample:

CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).

Attached are the test data generated from the analysis of your sample.

Result Summary:

<u>Sample ID.</u>	<u>Results</u>
ITI1720-03	PASSED (LC50 > 750 mg/l)

Quality Control: Reviewed and approved by:


Joseph A. LeMay
Laboratory Director

**FATHEAD MINNOW HAZARDOUS WASTE
SCREEN BIOASSAY**



Lab No.: A10092301-001
Client/ID: TA ITT1720-03B

TEST SUMMARY

Species: *Pimephales promelas*.
Fish length (mm): av: 27.7; min: 27; max: 30.
Fish weight (gm): av: 0.47; min: 0.42; max: 0.56.
Test chamber volume: 10 liters.
Temperature: 20 +/- 2°C.
Aeration: Single bubble through 30 bore tube.
Number of replicates: 2.
Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).
QA/QC Batch No.: RT-100901.

Source: In-Lab Culture.
Regulations: CCR Title 22.
Test Protocol: California F&G/DHS 1988.
Endpoints: Survival at 96 hrs.
Test type: Static.
Feeding: None.
Number of fish per chamber: 10.
Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Date/Time:	9-24-10 1000				9-25-10 1030				9-26-10 1100				9-27-10 1030				9-28-10 1030			
Analyst:	R				R				Z				R				R			
Control A	20.3	8.7	7.6	0	20.9	8.1	7.5	0	20.9	8.1	7.4	0	21.2	8.0	7.3	0	21.3	8.1	7.4	0
Control B	20.2	8.7	7.6	0	20.8	8.4	7.5	0	20.8	8.0	7.4	0	21.1	8.0	7.3	0	21.2	8.4	7.5	0
400 mg/l A	20.2	8.6	7.6	0	20.9	8.0	7.5	0	21.0	8.0	7.5	0	21.2	7.7	7.3	0	21.3	7.6	7.5	0
400 mg/l B	20.1	8.7	7.6	0	20.8	8.5	7.5	0	20.9	8.1	7.5	0	21.1	8.1	7.3	0	21.2	7.7	7.5	0
750 mg/l A	20.1	8.7	7.6	0	20.8	8.6	7.5	0	21.1	7.9	7.5	0	21.1	8.2	7.3	0	21.2	8.4	7.5	0
750 mg/l B	20.0	8.6	7.6	0	20.7	8.4	7.5	0	21.0	8.3	7.5	0	21.0	8.2	7.3	0	21.1	8.3	7.5	0
Comments:	Extraction method: Mechanical shaking <input checked="" type="checkbox"/> . None (aqueous solution) <input type="checkbox"/> .																			
	Dissolved Oxygen (DO) readings in mg/l O ₂ .																			

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness	Control	750 mg/l
Initial	34 mg/l CaCO ₃	48 mg/l CaCO ₃	35 mg/l CaCO ₃	49 mg/l CaCO ₃	0	0
Final	36 mg/l CaCO ₃	50 mg/l CaCO ₃	36 mg/l CaCO ₃	50 mg/l CaCO ₃	0	0

RESULTS

(the checked result applies based on fish survival rates)

✓	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
NA	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
NA	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

SUBCONTRACT ORDER
TestAmerica Irvine

IT1720

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Lena Davidkova

RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB
4350 Transport Street, Unit 107
Ventura, CA 93003
Phone: (805) 650-0546
Fax: (805) 650-0756
Project Location: CA - CALIFORNIA
Receipt Temperature: 0.4 °C Ice: (Y) / N

Standard TAT is requested unless specific due date is requested. => Due Date: _____ Initials: _____

Analysis	Units	Expires	Comments
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Sample ID: IT1720-03 (SP-3-S-100920 - Soil)

Sampled: 09/20/10 14:00

Bioassay-Haz. Waste	N/A	09/27/10 14:00	
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Containers Supplied:

Brass Sleeve (B)

Olga Omelchenko 0700
Released By Date/Time
Alena 9/23/10 10:30
Released By Date/Time

Alena 9/23/10 0700
Received By Date/Time
Lena Davidkova 9-23-10 1030
Received By Date/Time

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654
601 S. Vail Ave. Montebello, CA

Sampled: 12/10/10
Received: 12/10/10
Issued: 12/29/10 11:56

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

ADDITIONAL
INFORMATION:

This report was amended to report Oxygenates by 8260B unintentionally omitted from the original report

LABORATORY ID	CLIENT ID	MATRIX
ITL1161-01	P-1	Soil
ITL1161-02	P-2	Soil
ITL1161-03	P-3	Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-01 (P-1 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
RO (C23-C40)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
EFH (C13 - C40)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
<i>Surrogate: n-Octacosane (40-140%)</i>					72 %				
Sample ID: ITL1161-02 (P-2 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
RO (C23-C40)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
EFH (C13 - C40)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
<i>Surrogate: n-Octacosane (40-140%)</i>					73 %				
Sample ID: ITL1161-03 (P-3 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
RO (C23-C40)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
EFH (C13 - C40)	EPA 8015B	10L1253	3.5	5.0	ND	1	12/13/10	12/13/10	
<i>Surrogate: n-Octacosane (40-140%)</i>					76 %				

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Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-01 (P-1 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015B	10L1797	0.12	0.32	ND	0.804	12/11/10	12/16/10	
Surrogate: 4-BFB (FID) (65-140%)					86 %				
Sample ID: ITL1161-02 (P-2 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015B	10L1797	0.13	0.34	ND	0.84	12/11/10	12/16/10	
Surrogate: 4-BFB (FID) (65-140%)					81 %				
Sample ID: ITL1161-03 (P-3 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015B	10L1797	0.13	0.36	ND	0.893	12/11/10	12/16/10	
Surrogate: 4-BFB (FID) (65-140%)					86 %				

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 Report Number: ITL1161

Sampled: 12/10/10
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VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-01 (P-1 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10L1546	53	88	ND	0.885	12/11/10	12/14/10	
Surrogate: Dibromofluoromethane (80-125%)					91 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					89 %				
Sample ID: ITL1161-02 (P-2 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10L1546	74	120	ND	1.23	12/11/10	12/14/10	
Surrogate: Dibromofluoromethane (80-125%)					94 %				
Surrogate: Toluene-d8 (80-120%)					101 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					90 %				
Sample ID: ITL1161-03 (P-3 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10L1546	56	93	ND	0.926	12/11/10	12/14/10	
Surrogate: Dibromofluoromethane (80-125%)					94 %				
Surrogate: Toluene-d8 (80-120%)					101 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					91 %				

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Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-01 (P-1 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
Bromobenzene	EPA 8260B	10L1546	0.74	4.4	ND	0.885	12/11/10	12/14/10	
Bromochloromethane	EPA 8260B	10L1546	0.80	4.4	ND	0.885	12/11/10	12/14/10	
Bromodichloromethane	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
Bromoform	EPA 8260B	10L1546	0.71	4.4	ND	0.885	12/11/10	12/14/10	
Bromomethane	EPA 8260B	10L1546	0.81	4.4	ND	0.885	12/11/10	12/14/10	
n-Butylbenzene	EPA 8260B	10L1546	0.64	4.4	ND	0.885	12/11/10	12/14/10	
sec-Butylbenzene	EPA 8260B	10L1546	0.59	4.4	ND	0.885	12/11/10	12/14/10	
tert-Butylbenzene	EPA 8260B	10L1546	0.55	4.4	ND	0.885	12/11/10	12/14/10	
Carbon tetrachloride	EPA 8260B	10L1546	0.44	4.4	ND	0.885	12/11/10	12/14/10	
Chlorobenzene	EPA 8260B	10L1546	0.46	1.8	ND	0.885	12/11/10	12/14/10	
Chloroethane	EPA 8260B	10L1546	1.3	4.4	ND	0.885	12/11/10	12/14/10	
Chloroform	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
Chloromethane	EPA 8260B	10L1546	0.88	4.4	ND	0.885	12/11/10	12/14/10	
2-Chlorotoluene	EPA 8260B	10L1546	0.77	4.4	ND	0.885	12/11/10	12/14/10	
4-Chlorotoluene	EPA 8260B	10L1546	0.65	4.4	ND	0.885	12/11/10	12/14/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10L1546	1.3	4.4	ND	0.885	12/11/10	12/14/10	
Dibromochloromethane	EPA 8260B	10L1546	0.62	1.8	ND	0.885	12/11/10	12/14/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10L1546	0.71	1.8	ND	0.885	12/11/10	12/14/10	
Dibromomethane	EPA 8260B	10L1546	0.80	1.8	ND	0.885	12/11/10	12/14/10	
1,2-Dichlorobenzene	EPA 8260B	10L1546	0.84	1.8	ND	0.885	12/11/10	12/14/10	
1,3-Dichlorobenzene	EPA 8260B	10L1546	0.74	1.8	ND	0.885	12/11/10	12/14/10	
1,4-Dichlorobenzene	EPA 8260B	10L1546	0.83	1.8	ND	0.885	12/11/10	12/14/10	
Dichlorodifluoromethane	EPA 8260B	10L1546	1.3	4.4	ND	0.885	12/11/10	12/14/10	
1,1-Dichloroethane	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
1,2-Dichloroethane	EPA 8260B	10L1546	0.71	1.8	ND	0.885	12/11/10	12/14/10	
1,1-Dichloroethene	EPA 8260B	10L1546	0.53	4.4	ND	0.885	12/11/10	12/14/10	
cis-1,2-Dichloroethene	EPA 8260B	10L1546	0.73	1.8	ND	0.885	12/11/10	12/14/10	
trans-1,2-Dichloroethene	EPA 8260B	10L1546	0.62	1.8	ND	0.885	12/11/10	12/14/10	
1,2-Dichloropropane	EPA 8260B	10L1546	0.71	1.8	ND	0.885	12/11/10	12/14/10	
1,3-Dichloropropane	EPA 8260B	10L1546	0.56	1.8	ND	0.885	12/11/10	12/14/10	
2,2-Dichloropropane	EPA 8260B	10L1546	0.53	1.8	ND	0.885	12/11/10	12/14/10	
cis-1,3-Dichloropropene	EPA 8260B	10L1546	0.39	1.8	ND	0.885	12/11/10	12/14/10	
trans-1,3-Dichloropropene	EPA 8260B	10L1546	0.54	1.8	ND	0.885	12/11/10	12/14/10	
1,1-Dichloropropene	EPA 8260B	10L1546	0.35	1.8	ND	0.885	12/11/10	12/14/10	
Ethylbenzene	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
Hexachlorobutadiene	EPA 8260B	10L1546	0.71	4.4	ND	0.885	12/11/10	12/14/10	
Isopropylbenzene	EPA 8260B	10L1546	0.48	1.8	ND	0.885	12/11/10	12/14/10	
p-Isopropyltoluene	EPA 8260B	10L1546	0.64	1.8	ND	0.885	12/11/10	12/14/10	
Methylene chloride	EPA 8260B	10L1546	5.8	18	ND	0.885	12/11/10	12/14/10	
Naphthalene	EPA 8260B	10L1546	0.97	4.4	ND	0.885	12/11/10	12/14/10	

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Sampled: 12/10/10
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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-01 (P-1 - Soil) - cont.									
Reporting Units: ug/kg									
n-Propylbenzene	EPA 8260B	10L1546	0.54	1.8	ND	0.885	12/11/10	12/14/10	
styrene	EPA 8260B	10L1546	0.51	1.8	ND	0.885	12/11/10	12/14/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L1546	0.50	4.4	ND	0.885	12/11/10	12/14/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10L1546	0.76	1.8	ND	0.885	12/11/10	12/14/10	
1,1,2-Trichloroethane	EPA 8260B	10L1546	0.43	1.8	ND	0.885	12/11/10	12/14/10	
1,2,3-Trichlorobenzene	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
1,2,4-Trichlorobenzene	EPA 8260B	10L1546	0.88	4.4	ND	0.885	12/11/10	12/14/10	
1,1,1-Trichloroethane	EPA 8260B	10L1546	0.62	1.8	ND	0.885	12/11/10	12/14/10	
1,1,2-Trichloroethane	EPA 8260B	10L1546	0.77	1.8	ND	0.885	12/11/10	12/14/10	
1,1,2-Trichloroethane	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
1,1,1-Trichloroethane	EPA 8260B	10L1546	0.48	4.4	ND	0.885	12/11/10	12/14/10	
1,2,3-Trichloropropane	EPA 8260B	10L1546	0.88	8.8	ND	0.885	12/11/10	12/14/10	
1,2,4-Trimethylbenzene	EPA 8260B	10L1546	0.69	1.8	ND	0.885	12/11/10	12/14/10	
1,3,5-Trimethylbenzene	EPA 8260B	10L1546	0.56	1.8	ND	0.885	12/11/10	12/14/10	
vinyl chloride	EPA 8260B	10L1546	0.81	4.4	ND	0.885	12/11/10	12/14/10	
m,p-Xylenes	EPA 8260B	10L1546	0.71	1.8	ND	0.885	12/11/10	12/14/10	
o-Xylene	EPA 8260B	10L1546	0.44	1.8	ND	0.885	12/11/10	12/14/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					89 %				
Surrogate: Dibromofluoromethane (80-125%)					91 %				
Surrogate: Toluene-d8 (80-120%)					99 %				

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Received: 12/10/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-02 (P-2 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
Bromobenzene	EPA 8260B	10L1546	1.0	6.2	ND	1.23	12/11/10	12/14/10	
Bromochloromethane	EPA 8260B	10L1546	1.1	6.2	ND	1.23	12/11/10	12/14/10	
Bromodichloromethane	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
Bromoform	EPA 8260B	10L1546	0.99	6.2	ND	1.23	12/11/10	12/14/10	
Bromomethane	EPA 8260B	10L1546	1.1	6.2	ND	1.23	12/11/10	12/14/10	
n-Butylbenzene	EPA 8260B	10L1546	0.89	6.2	ND	1.23	12/11/10	12/14/10	
sec-Butylbenzene	EPA 8260B	10L1546	0.83	6.2	ND	1.23	12/11/10	12/14/10	
tert-Butylbenzene	EPA 8260B	10L1546	0.76	6.2	ND	1.23	12/11/10	12/14/10	
Carbon tetrachloride	EPA 8260B	10L1546	0.62	6.2	ND	1.23	12/11/10	12/14/10	
Chlorobenzene	EPA 8260B	10L1546	0.64	2.5	ND	1.23	12/11/10	12/14/10	
Chloroethane	EPA 8260B	10L1546	1.8	6.2	ND	1.23	12/11/10	12/14/10	
Chloroform	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
Chloromethane	EPA 8260B	10L1546	1.2	6.2	ND	1.23	12/11/10	12/14/10	
2-Chlorotoluene	EPA 8260B	10L1546	1.1	6.2	ND	1.23	12/11/10	12/14/10	
4-Chlorotoluene	EPA 8260B	10L1546	0.91	6.2	ND	1.23	12/11/10	12/14/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10L1546	1.8	6.2	ND	1.23	12/11/10	12/14/10	
Dibromochloromethane	EPA 8260B	10L1546	0.86	2.5	ND	1.23	12/11/10	12/14/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10L1546	0.99	2.5	ND	1.23	12/11/10	12/14/10	
Dibromomethane	EPA 8260B	10L1546	1.1	2.5	ND	1.23	12/11/10	12/14/10	
1,2-Dichlorobenzene	EPA 8260B	10L1546	1.2	2.5	ND	1.23	12/11/10	12/14/10	
1,3-Dichlorobenzene	EPA 8260B	10L1546	1.0	2.5	ND	1.23	12/11/10	12/14/10	
1,4-Dichlorobenzene	EPA 8260B	10L1546	1.2	2.5	ND	1.23	12/11/10	12/14/10	
Dichlorodifluoromethane	EPA 8260B	10L1546	1.8	6.2	ND	1.23	12/11/10	12/14/10	
1,1-Dichloroethane	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
1,2-Dichloroethane	EPA 8260B	10L1546	0.99	2.5	ND	1.23	12/11/10	12/14/10	
1,1-Dichloroethene	EPA 8260B	10L1546	0.74	6.2	ND	1.23	12/11/10	12/14/10	
cis-1,2-Dichloroethene	EPA 8260B	10L1546	1.0	2.5	ND	1.23	12/11/10	12/14/10	
trans-1,2-Dichloroethene	EPA 8260B	10L1546	0.86	2.5	ND	1.23	12/11/10	12/14/10	
1,2-Dichloropropane	EPA 8260B	10L1546	0.99	2.5	ND	1.23	12/11/10	12/14/10	
1,3-Dichloropropane	EPA 8260B	10L1546	0.78	2.5	ND	1.23	12/11/10	12/14/10	
2,2-Dichloropropane	EPA 8260B	10L1546	0.74	2.5	ND	1.23	12/11/10	12/14/10	
cis-1,3-Dichloropropene	EPA 8260B	10L1546	0.54	2.5	ND	1.23	12/11/10	12/14/10	
trans-1,3-Dichloropropene	EPA 8260B	10L1546	0.75	2.5	ND	1.23	12/11/10	12/14/10	
1,1-Dichloropropene	EPA 8260B	10L1546	0.49	2.5	ND	1.23	12/11/10	12/14/10	
Ethylbenzene	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
Hexachlorobutadiene	EPA 8260B	10L1546	0.99	6.2	ND	1.23	12/11/10	12/14/10	
Isopropylbenzene	EPA 8260B	10L1546	0.67	2.5	ND	1.23	12/11/10	12/14/10	
p-Isopropyltoluene	EPA 8260B	10L1546	0.89	2.5	ND	1.23	12/11/10	12/14/10	
Methylene chloride	EPA 8260B	10L1546	8.0	25	ND	1.23	12/11/10	12/14/10	
Naphthalene	EPA 8260B	10L1546	1.4	6.2	ND	1.23	12/11/10	12/14/10	

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-02 (P-2 - Soil) - cont.									
Reporting Units: ug/kg									
m-Propylbenzene	EPA 8260B	10L1546	0.75	2.5	ND	1.23	12/11/10	12/14/10	
styrene	EPA 8260B	10L1546	0.71	2.5	ND	1.23	12/11/10	12/14/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L1546	0.70	6.2	ND	1.23	12/11/10	12/14/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L1546	1.1	2.5	ND	1.23	12/11/10	12/14/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10L1546	0.60	2.5	ND	1.23	12/11/10	12/14/10	
1,2-Dichloroethane	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
1,2,3-Trichlorobenzene	EPA 8260B	10L1546	1.2	6.2	ND	1.23	12/11/10	12/14/10	
1,2,4-Trichlorobenzene	EPA 8260B	10L1546	1.2	6.2	ND	1.23	12/11/10	12/14/10	
1,1,1-Trichloroethane	EPA 8260B	10L1546	0.86	2.5	ND	1.23	12/11/10	12/14/10	
1,1,2-Trichloroethane	EPA 8260B	10L1546	1.1	2.5	ND	1.23	12/11/10	12/14/10	
1,1,2-Trichloroethane	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
1,1,2-Trichloroethane	EPA 8260B	10L1546	0.67	6.2	ND	1.23	12/11/10	12/14/10	
1,2,3-Trichloropropane	EPA 8260B	10L1546	1.2	12	ND	1.23	12/11/10	12/14/10	
1,2,4-Trimethylbenzene	EPA 8260B	10L1546	0.96	2.5	ND	1.23	12/11/10	12/14/10	
1,3,5-Trimethylbenzene	EPA 8260B	10L1546	0.78	2.5	ND	1.23	12/11/10	12/14/10	
Vinyl chloride	EPA 8260B	10L1546	1.1	6.2	ND	1.23	12/11/10	12/14/10	
m,p-Xylenes	EPA 8260B	10L1546	0.99	2.5	ND	1.23	12/11/10	12/14/10	
o-Xylene	EPA 8260B	10L1546	0.62	2.5	ND	1.23	12/11/10	12/14/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					90 %				
Surrogate: Dibromofluoromethane (80-125%)					94 %				
Surrogate: Toluene-d8 (80-120%)					101 %				

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Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-03 (P-3 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
Bromobenzene	EPA 8260B	10L1546	0.78	4.6	ND	0.926	12/11/10	12/14/10	
Bromochloromethane	EPA 8260B	10L1546	0.83	4.6	ND	0.926	12/11/10	12/14/10	
Bromodichloromethane	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
Bromoform	EPA 8260B	10L1546	0.74	4.6	ND	0.926	12/11/10	12/14/10	
Bromomethane	EPA 8260B	10L1546	0.85	4.6	ND	0.926	12/11/10	12/14/10	
n-Butylbenzene	EPA 8260B	10L1546	0.67	4.6	ND	0.926	12/11/10	12/14/10	
sec-Butylbenzene	EPA 8260B	10L1546	0.62	4.6	ND	0.926	12/11/10	12/14/10	
tert-Butylbenzene	EPA 8260B	10L1546	0.57	4.6	ND	0.926	12/11/10	12/14/10	
Carbon tetrachloride	EPA 8260B	10L1546	0.46	4.6	ND	0.926	12/11/10	12/14/10	
Chlorobenzene	EPA 8260B	10L1546	0.48	1.9	ND	0.926	12/11/10	12/14/10	
Chloroethane	EPA 8260B	10L1546	1.4	4.6	ND	0.926	12/11/10	12/14/10	
Chloroform	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
Chloromethane	EPA 8260B	10L1546	0.93	4.6	ND	0.926	12/11/10	12/14/10	
2-Chlorotoluene	EPA 8260B	10L1546	0.81	4.6	ND	0.926	12/11/10	12/14/10	
4-Chlorotoluene	EPA 8260B	10L1546	0.69	4.6	ND	0.926	12/11/10	12/14/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10L1546	1.4	4.6	ND	0.926	12/11/10	12/14/10	
Dibromochloromethane	EPA 8260B	10L1546	0.65	1.9	ND	0.926	12/11/10	12/14/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10L1546	0.74	1.9	ND	0.926	12/11/10	12/14/10	
Dibromomethane	EPA 8260B	10L1546	0.83	1.9	ND	0.926	12/11/10	12/14/10	
1,2-Dichlorobenzene	EPA 8260B	10L1546	0.88	1.9	ND	0.926	12/11/10	12/14/10	
1,3-Dichlorobenzene	EPA 8260B	10L1546	0.78	1.9	ND	0.926	12/11/10	12/14/10	
1,4-Dichlorobenzene	EPA 8260B	10L1546	0.87	1.9	ND	0.926	12/11/10	12/14/10	
Dichlorodifluoromethane	EPA 8260B	10L1546	1.4	4.6	ND	0.926	12/11/10	12/14/10	
1,1-Dichloroethane	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
1,2-Dichloroethane	EPA 8260B	10L1546	0.74	1.9	ND	0.926	12/11/10	12/14/10	
1,1-Dichloroethene	EPA 8260B	10L1546	0.56	4.6	ND	0.926	12/11/10	12/14/10	
cis-1,2-Dichloroethene	EPA 8260B	10L1546	0.77	1.9	ND	0.926	12/11/10	12/14/10	
trans-1,2-Dichloroethene	EPA 8260B	10L1546	0.65	1.9	ND	0.926	12/11/10	12/14/10	
1,2-Dichloropropane	EPA 8260B	10L1546	0.74	1.9	ND	0.926	12/11/10	12/14/10	
1,3-Dichloropropane	EPA 8260B	10L1546	0.58	1.9	ND	0.926	12/11/10	12/14/10	
2,2-Dichloropropane	EPA 8260B	10L1546	0.56	1.9	ND	0.926	12/11/10	12/14/10	
cis-1,3-Dichloropropene	EPA 8260B	10L1546	0.41	1.9	ND	0.926	12/11/10	12/14/10	
trans-1,3-Dichloropropene	EPA 8260B	10L1546	0.56	1.9	ND	0.926	12/11/10	12/14/10	
1,1-Dichloropropene	EPA 8260B	10L1546	0.37	1.9	ND	0.926	12/11/10	12/14/10	
Ethylbenzene	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
Hexachlorobutadiene	EPA 8260B	10L1546	0.74	4.6	ND	0.926	12/11/10	12/14/10	
Isopropylbenzene	EPA 8260B	10L1546	0.50	1.9	ND	0.926	12/11/10	12/14/10	
p-Isopropyltoluene	EPA 8260B	10L1546	0.67	1.9	ND	0.926	12/11/10	12/14/10	
Methylene chloride	EPA 8260B	10L1546	6.0	19	ND	0.926	12/11/10	12/14/10	
Naphthalene	EPA 8260B	10L1546	1.0	4.6	ND	0.926	12/11/10	12/14/10	

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SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-03 (P-3 - Soil) - cont.									
Reporting Units: ug/kg									
m-Propylbenzene	EPA 8260B	10L1546	0.56	1.9	ND	0.926	12/11/10	12/14/10	
tyrene	EPA 8260B	10L1546	0.54	1.9	ND	0.926	12/11/10	12/14/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L1546	0.53	4.6	ND	0.926	12/11/10	12/14/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10L1546	0.80	1.9	ND	0.926	12/11/10	12/14/10	
tetrachloroethene	EPA 8260B	10L1546	0.45	1.9	ND	0.926	12/11/10	12/14/10	
oluene	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
1,2,3-Trichlorobenzene	EPA 8260B	10L1546	0.93	4.6	ND	0.926	12/11/10	12/14/10	
2,4-Trichlorobenzene	EPA 8260B	10L1546	0.93	4.6	ND	0.926	12/11/10	12/14/10	
1,1-Trichloroethane	EPA 8260B	10L1546	0.65	1.9	ND	0.926	12/11/10	12/14/10	
1,1,2-Trichloroethane	EPA 8260B	10L1546	0.81	1.9	ND	0.926	12/11/10	12/14/10	
Trichloroethene	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
ichlorofluoromethane	EPA 8260B	10L1546	0.50	4.6	ND	0.926	12/11/10	12/14/10	
1,2,3-Trichloropropane	EPA 8260B	10L1546	0.93	9.3	ND	0.926	12/11/10	12/14/10	
1,2,4-Trimethylbenzene	EPA 8260B	10L1546	0.72	1.9	ND	0.926	12/11/10	12/14/10	
3,5-Trimethylbenzene	EPA 8260B	10L1546	0.58	1.9	ND	0.926	12/11/10	12/14/10	
vinyl chloride	EPA 8260B	10L1546	0.84	4.6	ND	0.926	12/11/10	12/14/10	
m,p-Xylenes	EPA 8260B	10L1546	0.74	1.9	ND	0.926	12/11/10	12/14/10	
o-Xylene	EPA 8260B	10L1546	0.46	1.9	ND	0.926	12/11/10	12/14/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					91 %				
Surrogate: Dibromofluoromethane (80-125%)					94 %				
Surrogate: Toluene-d8 (80-120%)					101 %				

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Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1161-01 (P-1 - Soil)									
Reporting Units: ug/kg									
Di-isopropyl Ether (DIPE)	EPA 8260B	10L1546	0.44	4.4	ND	0.885	12/11/10	12/14/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L1546	0.51	4.4	ND	0.885	12/11/10	12/14/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L1546	0.88	4.4	ND	0.885	12/11/10	12/14/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L1546	0.57	4.4	ND	0.885	12/11/10	12/14/10	
tert-Butanol (TBA)	EPA 8260B	10L1546	8.8	88	ND	0.885	12/11/10	12/14/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					89 %				
Surrogate: Dibromofluoromethane (80-125%)					91 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Sample ID: ITL1161-02 (P-2 - Soil)									
Reporting Units: ug/kg									
Di-isopropyl Ether (DIPE)	EPA 8260B	10L1546	0.62	6.2	ND	1.23	12/11/10	12/14/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L1546	0.71	6.2	ND	1.23	12/11/10	12/14/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L1546	1.2	6.2	ND	1.23	12/11/10	12/14/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L1546	0.79	6.2	ND	1.23	12/11/10	12/14/10	
tert-Butanol (TBA)	EPA 8260B	10L1546	12	120	ND	1.23	12/11/10	12/14/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					90 %				
Surrogate: Dibromofluoromethane (80-125%)					94 %				
Surrogate: Toluene-d8 (80-120%)					101 %				
Sample ID: ITL1161-03 (P-3 - Soil)									
Reporting Units: ug/kg									
Di-isopropyl Ether (DIPE)	EPA 8260B	10L1546	0.46	4.6	ND	0.926	12/11/10	12/14/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L1546	0.54	4.6	ND	0.926	12/11/10	12/14/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L1546	0.93	4.6	ND	0.926	12/11/10	12/14/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L1546	0.59	4.6	ND	0.926	12/11/10	12/14/10	
tert-Butanol (TBA)	EPA 8260B	10L1546	9.3	93	ND	0.926	12/11/10	12/14/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					91 %				
Surrogate: Dibromofluoromethane (80-125%)					94 %				
Surrogate: Toluene-d8 (80-120%)					101 %				

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Project ID: CVX 1001654
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Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: P-1 (ITL1161-01) - Soil					
EPA 8015B	2	12/10/2010 12:50	12/10/2010 18:50	12/11/2010 20:45	12/16/2010 08:15
EPA 8260B	2	12/10/2010 12:50	12/10/2010 18:50	12/11/2010 20:45	12/14/2010 12:34
TPH by GC/MS	2	12/10/2010 12:50	12/10/2010 18:50	12/11/2010 20:45	12/14/2010 12:34
Sample ID: P-2 (ITL1161-02) - Soil					
EPA 8015B	2	12/10/2010 13:05	12/10/2010 18:50	12/11/2010 20:45	12/16/2010 08:41
EPA 8260B	2	12/10/2010 13:05	12/10/2010 18:50	12/11/2010 20:45	12/14/2010 13:02
TPH by GC/MS	2	12/10/2010 13:05	12/10/2010 18:50	12/11/2010 20:45	12/14/2010 13:02
Sample ID: P-3 (ITL1161-03) - Soil					
EPA 8015B	2	12/10/2010 13:30	12/10/2010 18:50	12/11/2010 20:45	12/16/2010 09:08
EPA 8260B	2	12/10/2010 13:30	12/10/2010 18:50	12/11/2010 20:45	12/14/2010 13:30
TPH by GC/MS	2	12/10/2010 13:30	12/10/2010 18:50	12/11/2010 20:45	12/14/2010 13:30

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 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1253 Extracted: 12/13/10											
Blank Analyzed: 12/13/2010 (10L1253-BLK1)											
DRO (C13-C22)	ND	5.0	3.5	mg/kg							
ORO (C23-C40)	ND	5.0	3.5	mg/kg							
EFH (C13 - C40)	ND	5.0	3.5	mg/kg							
EFH (C10 - C28)	ND	5.0	3.5	mg/kg							
Surrogate: n-Octacosane	4.50			mg/kg	6.67		67	40-140			
LCS Analyzed: 12/13/2010 (10L1253-BS1)											
EFH (C10 - C28)	19.9	5.0	3.5	mg/kg	33.3		60	45-115			
Surrogate: n-Octacosane	3.84			mg/kg	6.67		58	40-140			
Matrix Spike Analyzed: 12/13/2010 (10L1253-MS1)											
						Source: ITL1171-03					
EFH (C10 - C28)	32.4	5.0	3.5	mg/kg	33.3	5.62	80	40-120			
Surrogate: n-Octacosane	5.21			mg/kg	6.67		78	40-140			
Matrix Spike Dup Analyzed: 12/13/2010 (10L1253-MSD1)											
						Source: ITL1171-03					
EFH (C10 - C28)	30.9	5.0	3.5	mg/kg	33.3	5.62	76	40-120	5	30	
Surrogate: n-Octacosane	5.08			mg/kg	6.67		76	40-140			

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 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1797 Extracted: 12/15/10											
Blank Analyzed: 12/16/2010 (10L1797-BLK1)											
GRO (C4 - C12)	ND	0.40	0.15	mg/kg							
Surrogate: 4-BFB (FID)	0.0188			mg/kg	0.0200		94	65-140			
CS Analyzed: 12/16/2010 (10L1797-BS1)											
GRO (C4 - C12)	1.47	0.40	0.15	mg/kg	1.60		92	70-135			MNRI
Surrogate: 4-BFB (FID)	0.0261			mg/kg	0.0200		130	65-140			
CS Dup Analyzed: 12/16/2010 (10L1797-BSD1)											
GRO (C4 - C12)	1.50	0.40	0.15	mg/kg	1.60		93	70-135	2	20	
Surrogate: 4-BFB (FID)	0.0363			mg/kg	0.0200		181	65-140			22

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 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Blank Analyzed: 12/14/2010 (10L1546-BLK1)											
Volatiles Fuel Hydrocarbons (C4-C12)	ND	100	60	ug/kg							
Surrogate: Dibromofluoromethane	44.0			ug/kg	50.0		88	80-125			
Surrogate: Toluene-d8	49.9			ug/kg	50.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	43.5			ug/kg	50.0		87	80-120			
LCS Analyzed: 12/14/2010 (10L1546-BS2)											
Volatiles Fuel Hydrocarbons (C4-C12)	789	100	60	ug/kg	1000		79	60-135			
Surrogate: Dibromofluoromethane	44.4			ug/kg	50.0		89	80-125			
Surrogate: Toluene-d8	50.9			ug/kg	50.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	45.6			ug/kg	50.0		91	80-120			
Matrix Spike Analyzed: 12/14/2010 (10L1546-MS1) Source: ITL1051-05											
Volatiles Fuel Hydrocarbons (C4-C12)	2390	100	60	ug/kg	3440	ND	70	50-140			
Surrogate: Dibromofluoromethane	44.8			ug/kg	49.8		90	80-125			
Surrogate: Toluene-d8	50.9			ug/kg	49.8		102	80-120			
Surrogate: 4-Bromofluorobenzene	47.6			ug/kg	49.8		96	80-120			
Matrix Spike Dup Analyzed: 12/14/2010 (10L1546-MSD1) Source: ITL1051-05											
Volatiles Fuel Hydrocarbons (C4-C12)	2400	100	60	ug/kg	3450	ND	69	50-140	0.1	25	
Surrogate: Dibromofluoromethane	45.1			ug/kg	50.0		90	80-125			
Surrogate: Toluene-d8	50.3			ug/kg	50.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	47.8			ug/kg	50.0		96	80-120			

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Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Blank Analyzed: 12/14/2010 (10L1546-BLK1)											
Benzene	ND	2.0	0.50	ug/kg							
Bromobenzene	ND	5.0	0.84	ug/kg							
Bromochloromethane	ND	5.0	0.90	ug/kg							
Bromodichloromethane	ND	2.0	0.50	ug/kg							
Bromoform	ND	5.0	0.80	ug/kg							
Bromomethane	ND	5.0	0.92	ug/kg							
Butylbenzene	ND	5.0	0.72	ug/kg							
sec-Butylbenzene	ND	5.0	0.67	ug/kg							
tert-Butylbenzene	ND	5.0	0.62	ug/kg							
Carbon tetrachloride	ND	5.0	0.50	ug/kg							
Chlorobenzene	ND	2.0	0.52	ug/kg							
Chloroethane	ND	5.0	1.5	ug/kg							
Chloroform	ND	2.0	0.50	ug/kg							
Chloromethane	ND	5.0	1.0	ug/kg							
2-Chlorotoluene	ND	5.0	0.87	ug/kg							
o-Chlorotoluene	ND	5.0	0.74	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	1.5	ug/kg							
Dibromochloromethane	ND	2.0	0.70	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	0.80	ug/kg							
Dibromomethane	ND	2.0	0.90	ug/kg							
1,2-Dichlorobenzene	ND	2.0	0.95	ug/kg							
1,3-Dichlorobenzene	ND	2.0	0.84	ug/kg							
1,4-Dichlorobenzene	ND	2.0	0.94	ug/kg							
Dichlorodifluoromethane	ND	5.0	1.5	ug/kg							
1,1-Dichloroethane	ND	2.0	0.50	ug/kg							
1,2-Dichloroethane	ND	2.0	0.80	ug/kg							
1,1-Dichloroethene	ND	5.0	0.60	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	0.83	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	0.70	ug/kg							
1,2-Dichloropropane	ND	2.0	0.80	ug/kg							
1,3-Dichloropropane	ND	2.0	0.63	ug/kg							
2,2-Dichloropropane	ND	2.0	0.60	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	0.44	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	0.61	ug/kg							
1,1-Dichloropropene	ND	2.0	0.40	ug/kg							

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Blank Analyzed: 12/14/2010 (10L1546-BLK1)											
Ethylbenzene	ND	2.0	0.50	ug/kg							
Hexachlorobutadiene	ND	5.0	0.80	ug/kg							
Isopropylbenzene	ND	2.0	0.54	ug/kg							
p-Isopropyltoluene	ND	2.0	0.72	ug/kg							
Methylene chloride	ND	20	6.5	ug/kg							
Naphthalene	ND	5.0	1.1	ug/kg							
n-Propylbenzene	ND	2.0	0.61	ug/kg							
Styrene	ND	2.0	0.58	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	0.57	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	0.86	ug/kg							
Tetrachloroethene	ND	2.0	0.49	ug/kg							
Toluene	ND	2.0	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	0.70	ug/kg							
1,1,2-Trichloroethane	ND	2.0	0.87	ug/kg							
Trichloroethene	ND	2.0	0.50	ug/kg							
Trichlorofluoromethane	ND	5.0	0.54	ug/kg							
1,2,3-Trichloropropane	ND	10	1.0	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	0.78	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	0.63	ug/kg							
Vinyl chloride	ND	5.0	0.91	ug/kg							
m,p-Xylenes	ND	2.0	0.80	ug/kg							
o-Xylene	ND	2.0	0.50	ug/kg							
Surrogate: 4-Bromofluorobenzene	43.5			ug/kg	50.0		87	80-120			
Surrogate: Dibromofluoromethane	44.0			ug/kg	50.0		88	80-125			
Surrogate: Toluene-d8	49.9			ug/kg	50.0		100	80-120			

TestAmerica Irvine

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Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
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Sampled: 12/10/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
CS Analyzed: 12/14/2010 (10L1546-BS1)											
Benzene	50.8	2.0	0.50	ug/kg	50.0	102	65-120				
Bromobenzene	51.8	5.0	0.84	ug/kg	50.0	104	75-120				
Bromochloromethane	47.2	5.0	0.90	ug/kg	50.0	94	70-135				
Bromodichloromethane	50.9	2.0	0.50	ug/kg	50.0	102	70-135				
Bromoform	51.3	5.0	0.80	ug/kg	50.0	103	55-135				
Bromomethane	42.8	5.0	0.92	ug/kg	50.0	86	60-145				
Butylbenzene	49.7	5.0	0.72	ug/kg	50.0	99	70-130				
sec-Butylbenzene	50.8	5.0	0.67	ug/kg	50.0	102	70-125				
tert-Butylbenzene	52.2	5.0	0.62	ug/kg	50.0	104	70-125				
Carbon tetrachloride	47.5	5.0	0.50	ug/kg	50.0	95	65-140				
Chlorobenzene	47.4	2.0	0.52	ug/kg	50.0	95	75-120				
Chloroethane	43.2	5.0	1.5	ug/kg	50.0	86	60-140				
Chloroform	44.0	2.0	0.50	ug/kg	50.0	88	70-130				
Chloromethane	41.2	5.0	1.0	ug/kg	50.0	82	45-145				
2-Chlorotoluene	51.1	5.0	0.87	ug/kg	50.0	102	70-125				
1-Chlorotoluene	51.4	5.0	0.74	ug/kg	50.0	103	75-125				
1,2-Dibromo-3-chloropropane	55.5	5.0	1.5	ug/kg	50.0	111	50-135				
Dibromochloromethane	52.0	2.0	0.70	ug/kg	50.0	104	65-140				
1,2-Dibromoethane (EDB)	52.4	2.0	0.80	ug/kg	50.0	105	70-130				
Dibromomethane	51.2	2.0	0.90	ug/kg	50.0	102	70-130				
1,2-Dichlorobenzene	51.1	2.0	0.95	ug/kg	50.0	102	75-120				
1,3-Dichlorobenzene	50.6	2.0	0.84	ug/kg	50.0	101	75-125				
1,4-Dichlorobenzene	49.2	2.0	0.94	ug/kg	50.0	98	75-120				
Dichlorodifluoromethane	38.2	5.0	1.5	ug/kg	50.0	76	35-160				
1,1-Dichloroethane	46.0	2.0	0.50	ug/kg	50.0	92	70-130				
1,2-Dichloroethane	48.5	2.0	0.80	ug/kg	50.0	97	60-140				
1,1-Dichloroethene	45.4	5.0	0.60	ug/kg	50.0	91	70-125				
cis-1,2-Dichloroethene	49.0	2.0	0.83	ug/kg	50.0	98	70-125				
trans-1,2-Dichloroethene	46.6	2.0	0.70	ug/kg	50.0	93	70-125				
1,2-Dichloropropane	51.4	2.0	0.80	ug/kg	50.0	103	70-130				
1,3-Dichloropropane	50.3	2.0	0.63	ug/kg	50.0	101	70-125				
2,2-Dichloropropane	51.5	2.0	0.60	ug/kg	50.0	103	60-145				
cis-1,3-Dichloropropene	55.1	2.0	0.44	ug/kg	50.0	110	75-125				
trans-1,3-Dichloropropene	58.7	2.0	0.61	ug/kg	50.0	117	70-135				
1,1-Dichloropropene	47.7	2.0	0.40	ug/kg	50.0	95	70-130				

TestAmerica Irvine

Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
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Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
LCS Analyzed: 12/14/2010 (10L1546-BS1)											
Ethylbenzene	47.9	2.0	0.50	ug/kg	50.0		96	70-125			
Hexachlorobutadiene	58.1	5.0	0.80	ug/kg	50.0		116	60-135			
Isopropylbenzene	49.9	2.0	0.54	ug/kg	50.0		100	75-130			
p-Isopropyltoluene	49.1	2.0	0.72	ug/kg	50.0		98	75-125			
Methylene chloride	44.0	20	6.5	ug/kg	50.0		88	55-135			
Naphthalene	58.6	5.0	1.1	ug/kg	50.0		117	55-135			
n-Propylbenzene	49.9	2.0	0.61	ug/kg	50.0		100	70-130			
Styrene	53.8	2.0	0.58	ug/kg	50.0		108	75-130			
1,1,1,2-Tetrachloroethane	49.3	5.0	0.57	ug/kg	50.0		99	70-130			
1,1,2,2-Tetrachloroethane	56.6	2.0	0.86	ug/kg	50.0		113	55-140			
Tetrachloroethene	50.3	2.0	0.49	ug/kg	50.0		101	70-125			
Toluene	49.4	2.0	0.50	ug/kg	50.0		99	70-125			
1,2,3-Trichlorobenzene	59.5	5.0	1.0	ug/kg	50.0		119	60-130			
1,2,4-Trichlorobenzene	57.1	5.0	1.0	ug/kg	50.0		114	70-135			
1,1,1-Trichloroethane	46.4	2.0	0.70	ug/kg	50.0		93	65-135			
1,1,2-Trichloroethane	51.8	2.0	0.87	ug/kg	50.0		104	65-135			
Trichloroethene	47.8	2.0	0.50	ug/kg	50.0		96	70-125			
Trichlorofluoromethane	46.4	5.0	0.54	ug/kg	50.0		93	60-145			
1,2,3-Trichloropropane	51.9	10	1.0	ug/kg	50.0		104	60-135			
1,2,4-Trimethylbenzene	54.2	2.0	0.78	ug/kg	50.0		108	70-125			
1,3,5-Trimethylbenzene	53.3	2.0	0.63	ug/kg	50.0		107	70-125			
Vinyl chloride	40.4	5.0	0.91	ug/kg	50.0		81	55-135			
m,p-Xylenes	98.0	2.0	0.80	ug/kg	100		98	70-125			
o-Xylene	50.6	2.0	0.50	ug/kg	50.0		101	70-125			
Surrogate: 4-Bromofluorobenzene	45.5			ug/kg	50.0		91	80-120			
Surrogate: Dibromofluoromethane	46.2			ug/kg	50.0		92	80-125			
Surrogate: Toluene-d8	50.1			ug/kg	50.0		100	80-120			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Matrix Spike Analyzed: 12/14/2010 (10L1546-MS1)						Source: ITL1051-05					
Benzene	56.6	2.0	0.50	ug/kg	49.8	ND	114	65-130			
Bromobenzene	55.7	5.0	0.84	ug/kg	49.8	ND	112	65-140			
Bromochloromethane	51.9	5.0	0.90	ug/kg	49.8	ND	104	65-145			
Bromodichloromethane	54.8	2.0	0.50	ug/kg	49.8	ND	110	65-145			
Bromoform	55.0	5.0	0.80	ug/kg	49.8	ND	111	50-145			
Bromomethane	46.4	5.0	0.92	ug/kg	49.8	ND	93	60-155			
Butylbenzene	55.7	5.0	0.72	ug/kg	49.8	ND	112	55-145			
sec-Butylbenzene	55.4	5.0	0.67	ug/kg	49.8	ND	111	60-135			
tert-Butylbenzene	56.3	5.0	0.62	ug/kg	49.8	ND	113	60-140			
Carbon tetrachloride	53.3	5.0	0.50	ug/kg	49.8	ND	107	60-145			
Chlorobenzene	54.0	2.0	0.52	ug/kg	49.8	ND	108	70-130			
Chloroethane	48.0	5.0	1.5	ug/kg	49.8	ND	96	60-150			
Chloroform	47.7	2.0	0.50	ug/kg	49.8	ND	96	65-135			
Chloromethane	45.3	5.0	1.0	ug/kg	49.8	ND	91	40-145			
2-Chlorotoluene	54.9	5.0	0.87	ug/kg	49.8	ND	110	60-135			
4-Chlorotoluene	56.1	5.0	0.74	ug/kg	49.8	ND	113	65-135			
1,2-Dibromo-3-chloropropane	55.9	5.0	1.5	ug/kg	49.8	ND	112	40-150			
Dibromochloromethane	57.2	2.0	0.70	ug/kg	49.8	ND	115	60-145			
1,2-Dibromoethane (EDB)	58.7	2.0	0.80	ug/kg	49.8	ND	118	65-140			
1,1-Dibromomethane	55.5	2.0	0.90	ug/kg	49.8	ND	111	65-140			
1,2-Dichlorobenzene	55.1	2.0	0.95	ug/kg	49.8	ND	111	70-130			
1,3-Dichlorobenzene	55.2	2.0	0.84	ug/kg	49.8	ND	111	70-130			
1,4-Dichlorobenzene	54.3	2.0	0.94	ug/kg	49.8	ND	109	70-130			
1,1-Dichloroethane	42.8	5.0	1.5	ug/kg	49.8	ND	86	30-160			
1,2-Dichloroethane	50.5	2.0	0.50	ug/kg	49.8	ND	101	65-135			
1,1-Dichloroethene	52.6	2.0	0.80	ug/kg	49.8	ND	106	60-150			
1,2-Dichloroethene	49.6	5.0	0.60	ug/kg	49.8	ND	100	65-135			
cis-1,2-Dichloroethene	53.9	2.0	0.83	ug/kg	49.8	ND	108	65-135			
trans-1,2-Dichloroethene	51.4	2.0	0.70	ug/kg	49.8	ND	103	70-135			
1,2-Dichloropropane	56.8	2.0	0.80	ug/kg	49.8	ND	114	65-130			
1,3-Dichloropropane	56.6	2.0	0.63	ug/kg	49.8	ND	114	65-140			
2,2-Dichloropropane	58.6	2.0	0.60	ug/kg	49.8	ND	118	65-150			
1,1,3-Dichloropropene	59.9	2.0	0.44	ug/kg	49.8	ND	120	70-135			
trans-1,3-Dichloropropene	64.6	2.0	0.61	ug/kg	49.8	ND	130	60-145			
1,1-Dichloropropene	53.3	2.0	0.40	ug/kg	49.8	ND	107	65-135			

TestAmerica Irvine

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Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Matrix Spike Analyzed: 12/14/2010 (10L1546-MS1)						Source: ITL1051-05					
Ethylbenzene	55.0	2.0	0.50	ug/kg	49.8	ND	110	70-135			
Hexachlorobutadiene	64.6	5.0	0.80	ug/kg	49.8	ND	130	50-145			
Isopropylbenzene	53.9	2.0	0.54	ug/kg	49.8	ND	108	70-145			
p-Isopropyltoluene	54.1	2.0	0.72	ug/kg	49.8	ND	109	60-140			
Methylene chloride	47.1	20	6.5	ug/kg	49.8	ND	95	55-145			
Naphthalene	61.8	5.0	1.1	ug/kg	49.8	ND	124	40-150			
n-Propylbenzene	55.9	2.0	0.61	ug/kg	49.8	ND	112	65-140			
Styrene	61.1	2.0	0.58	ug/kg	49.8	ND	123	70-140			
1,1,1,2-Tetrachloroethane	55.5	5.0	0.57	ug/kg	49.8	ND	111	65-145			
1,1,2,2-Tetrachloroethane	57.2	2.0	0.86	ug/kg	49.8	ND	115	40-160			
Tetrachloroethene	58.9	2.0	0.49	ug/kg	49.8	ND	118	65-135			
Toluene	54.5	2.0	0.50	ug/kg	49.8	ND	109	70-130			
1,2,3-Trichlorobenzene	63.9	5.0	1.0	ug/kg	49.8	ND	128	45-145			
1,2,4-Trichlorobenzene	64.5	5.0	1.0	ug/kg	49.8	ND	129	50-140			
1,1,1-Trichloroethane	51.6	2.0	0.70	ug/kg	49.8	ND	104	65-145			
1,1,2-Trichloroethane	56.0	2.0	0.87	ug/kg	49.8	ND	112	65-140			
Trichloroethene	53.8	2.0	0.50	ug/kg	49.8	ND	108	65-140			
Trichlorofluoromethane	51.4	5.0	0.54	ug/kg	49.8	ND	103	55-155			
1,2,3-Trichloropropane	54.0	10	1.0	ug/kg	49.8	ND	108	50-150			
1,2,4-Trimethylbenzene	58.9	2.0	0.78	ug/kg	49.8	ND	118	65-140			
1,3,5-Trimethylbenzene	57.6	2.0	0.63	ug/kg	49.8	ND	116	65-135			
Vinyl chloride	44.1	5.0	0.91	ug/kg	49.8	ND	88	55-140			
m,p-Xylenes	113	2.0	0.80	ug/kg	99.6	ND	114	70-130			
o-Xylene	58.0	2.0	0.50	ug/kg	49.8	ND	116	65-130			
Surrogate: 4-Bromofluorobenzene	47.6			ug/kg	49.8		96	80-120			
Surrogate: Dibromofluoromethane	44.8			ug/kg	49.8		90	80-125			
Surrogate: Toluene-d8	50.9			ug/kg	49.8		102	80-120			

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601 S. Vail Ave. Montebello, CA
Report Number: ITL1161

Sampled: 12/10/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Matrix Spike Dup Analyzed: 12/14/2010 (10L1546-MSD1)						Source: ITL1051-05					
Benzene	56.1	2.0	0.50	ug/kg	50.0	ND	112	65-130	0.8	20	
Bromobenzene	55.9	5.0	0.84	ug/kg	50.0	ND	112	65-140	0.4	25	
Monochloromethane	53.6	5.0	0.90	ug/kg	50.0	ND	107	65-145	3	25	
1,1-Dichloroethane	54.6	2.0	0.50	ug/kg	50.0	ND	109	65-145	0.5	20	
Bromoform	57.9	5.0	0.80	ug/kg	50.0	ND	116	50-145	5	30	
1,1-Dibromomethane	46.0	5.0	0.92	ug/kg	50.0	ND	92	60-155	1	25	
n-Butylbenzene	54.4	5.0	0.72	ug/kg	50.0	ND	109	55-145	2	30	
sec-Butylbenzene	54.7	5.0	0.67	ug/kg	50.0	ND	109	60-135	1	25	
tert-Butylbenzene	55.5	5.0	0.62	ug/kg	50.0	ND	111	60-140	1	25	
Carbon tetrachloride	51.4	5.0	0.50	ug/kg	50.0	ND	103	60-145	4	25	
o-Chlorobenzene	53.9	2.0	0.52	ug/kg	50.0	ND	108	70-130	0.3	25	
Chloroethane	47.5	5.0	1.5	ug/kg	50.0	ND	95	60-150	1	25	
Chloroform	47.2	2.0	0.50	ug/kg	50.0	ND	94	65-135	1	20	
1,1-Dichloroethane	43.6	5.0	1.0	ug/kg	50.0	ND	87	40-145	4	25	
2-Chlorotoluene	54.0	5.0	0.87	ug/kg	50.0	ND	108	60-135	2	25	
1-Chlorotoluene	55.6	5.0	0.74	ug/kg	50.0	ND	111	65-135	0.9	25	
1,2-Dibromo-3-chloropropane	59.7	5.0	1.5	ug/kg	50.0	ND	119	40-150	6	30	
1,1-Dibromochloromethane	58.8	2.0	0.70	ug/kg	50.0	ND	118	60-145	3	25	
1,2-Dibromoethane (EDB)	61.1	2.0	0.80	ug/kg	50.0	ND	122	65-140	4	25	
1,1-Dibromomethane	57.7	2.0	0.90	ug/kg	50.0	ND	115	65-140	4	25	
1,2-Dichlorobenzene	55.0	2.0	0.95	ug/kg	50.0	ND	110	70-130	0.2	25	
1,3-Dichlorobenzene	54.8	2.0	0.84	ug/kg	50.0	ND	110	70-130	0.7	25	
1,4-Dichlorobenzene	54.3	2.0	0.94	ug/kg	50.0	ND	109	70-130	0.07	25	
1,1-Dichloro-2,2-difluoroethane	41.2	5.0	1.5	ug/kg	50.0	ND	82	30-160	4	35	
1,1-Dichloroethane	50.2	2.0	0.50	ug/kg	50.0	ND	100	65-135	0.6	25	
1,2-Dichloroethane	52.5	2.0	0.80	ug/kg	50.0	ND	105	60-150	0.2	25	
1,1-Dichloroethene	48.8	5.0	0.60	ug/kg	50.0	ND	98	65-135	2	25	
cis-1,2-Dichloroethene	54.6	2.0	0.83	ug/kg	50.0	ND	109	65-135	1	25	
trans-1,2-Dichloroethene	52.5	2.0	0.70	ug/kg	50.0	ND	105	70-135	2	25	
1,2-Dichloropropane	56.8	2.0	0.80	ug/kg	50.0	ND	114	65-130	0.06	20	
1,3-Dichloropropane	58.1	2.0	0.63	ug/kg	50.0	ND	116	65-140	3	25	
2,2-Dichloropropane	58.3	2.0	0.60	ug/kg	50.0	ND	117	65-150	0.6	25	
trans-1,3-Dichloropropene	61.8	2.0	0.44	ug/kg	50.0	ND	124	70-135	3	25	
cis-1,3-Dichloropropene	66.0	2.0	0.61	ug/kg	50.0	ND	132	60-145	2	25	
1,1-Dichloropropene	53.3	2.0	0.40	ug/kg	50.0	ND	107	65-135	0.1	20	

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Matrix Spike Dup Analyzed: 12/14/2010 (10L1546-MSD1)						Source: ITL1051-05					
Ethylbenzene	54.6	2.0	0.50	ug/kg	50.0	ND	109	70-135	0.7	25	
Hexachlorobutadiene	62.2	5.0	0.80	ug/kg	50.0	ND	124	50-145	4	35	
Isopropylbenzene	53.1	2.0	0.54	ug/kg	50.0	ND	106	70-145	2	25	
p-Isopropyltoluene	53.2	2.0	0.72	ug/kg	50.0	ND	106	60-140	2	25	
Methylene chloride	47.5	20	6.5	ug/kg	50.0	ND	95	55-145	0.9	25	
Naphthalene	65.1	5.0	1.1	ug/kg	50.0	ND	130	40-150	5	40	
n-Propylbenzene	54.7	2.0	0.61	ug/kg	50.0	ND	109	65-140	2	25	
Styrene	61.3	2.0	0.58	ug/kg	50.0	ND	123	70-140	0.3	25	
1,1,1,2-Tetrachloroethane	55.5	5.0	0.57	ug/kg	50.0	ND	111	65-145	0.04	20	
1,1,2,2-Tetrachloroethane	60.5	2.0	0.86	ug/kg	50.0	ND	121	40-160	6	30	
Tetrachloroethene	58.5	2.0	0.49	ug/kg	50.0	ND	117	65-135	0.7	25	
Toluene	54.4	2.0	0.50	ug/kg	50.0	ND	109	70-130	0.3	20	
1,2,3-Trichlorobenzene	64.8	5.0	1.0	ug/kg	50.0	ND	130	45-145	1	30	
1,2,4-Trichlorobenzene	63.2	5.0	1.0	ug/kg	50.0	ND	126	50-140	2	30	
1,1,1-Trichloroethane	50.5	2.0	0.70	ug/kg	50.0	ND	101	65-145	2	20	
1,1,2-Trichloroethane	58.8	2.0	0.87	ug/kg	50.0	ND	118	65-140	5	30	
Trichloroethene	53.0	2.0	0.50	ug/kg	50.0	ND	106	65-140	1	25	
Trichlorofluoromethane	50.9	5.0	0.54	ug/kg	50.0	ND	102	55-155	1	25	
1,2,3-Trichloropropane	58.2	10	1.0	ug/kg	50.0	ND	116	50-150	8	30	
1,2,4-Trimethylbenzene	57.9	2.0	0.78	ug/kg	50.0	ND	116	65-140	2	25	
1,3,5-Trimethylbenzene	57.3	2.0	0.63	ug/kg	50.0	ND	115	65-135	0.6	25	
Vinyl chloride	41.8	5.0	0.91	ug/kg	50.0	ND	84	55-140	5	30	
m,p-Xylenes	113	2.0	0.80	ug/kg	100	ND	113	70-130	0.4	25	
o-Xylene	57.1	2.0	0.50	ug/kg	50.0	ND	114	65-130	2	25	
Surrogate: 4-Bromofluorobenzene	47.8			ug/kg	50.0		96	80-120			
Surrogate: Dibromofluoromethane	45.1			ug/kg	50.0		90	80-125			
Surrogate: Toluene-d8	50.3			ug/kg	50.0		101	80-120			

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
 Received: 12/10/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10										
Blank Analyzed: 12/14/2010 (10L1546-BLK1)										
Di-isopropyl Ether (DIPE)	ND	5.0	0.50	ug/kg						
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.58	ug/kg						
Methyl-tert-butyl Ether (MTBE)	ND	5.0	1.0	ug/kg						
n-Amyl Methyl Ether (TAME)	ND	5.0	0.64	ug/kg						
tert-Butanol (TBA)	ND	100	10	ug/kg						
Surrogate: 4-Bromofluorobenzene	43.5			ug/kg	50.0		87		80-120	
Surrogate: Dibromofluoromethane	44.0			ug/kg	50.0		88		80-125	
Surrogate: Toluene-d8	49.9			ug/kg	50.0		100		80-120	
CS Analyzed: 12/14/2010 (10L1546-BS1)										
i-isopropyl Ether (DIPE)	46.7	5.0	0.50	ug/kg	50.0		93		60-140	
Ethyl tert-Butyl Ether (ETBE)	49.9	5.0	0.58	ug/kg	50.0		100		60-140	
Methyl-tert-butyl Ether (MTBE)	48.8	5.0	1.0	ug/kg	50.0		98		60-140	
n-Amyl Methyl Ether (TAME)	55.4	5.0	0.64	ug/kg	50.0		111		60-145	
tert-Butanol (TBA)	236	100	10	ug/kg	250		94		70-135	
Surrogate: 4-Bromofluorobenzene	45.5			ug/kg	50.0		91		80-120	
Surrogate: Dibromofluoromethane	46.2			ug/kg	50.0		92		80-125	
Surrogate: Toluene-d8	50.1			ug/kg	50.0		100		80-120	
Matrix Spike Analyzed: 12/14/2010 (10L1546-MS1) Source: ITL1051-05										
i-isopropyl Ether (DIPE)	49.4	5.0	0.50	ug/kg	49.8	ND	99		60-150	
Ethyl tert-Butyl Ether (ETBE)	53.8	5.0	0.58	ug/kg	49.8	ND	108		60-145	
Methyl-tert-butyl Ether (MTBE)	51.3	5.0	1.0	ug/kg	49.8	ND	103		55-155	
n-Amyl Methyl Ether (TAME)	58.1	5.0	0.64	ug/kg	49.8	ND	117		60-150	
tert-Butanol (TBA)	262	100	10	ug/kg	249	ND	105		65-145	
Surrogate: 4-Bromofluorobenzene	47.6			ug/kg	49.8		96		80-120	
Surrogate: Dibromofluoromethane	44.8			ug/kg	49.8		90		80-125	
Surrogate: Toluene-d8	50.9			ug/kg	49.8		102		80-120	

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 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1161

Sampled: 12/10/10
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1546 Extracted: 12/14/10											
Matrix Spike Dup Analyzed: 12/14/2010 (10L1546-MSD1)						Source: ITL1051-05					
Di-isopropyl Ether (DIPE)	50.9	5.0	0.50	ug/kg	50.0	ND	102	60-150	3	25	
Ethyl tert-Butyl Ether (ETBE)	55.3	5.0	0.58	ug/kg	50.0	ND	111	60-145	3	30	
Methyl-tert-butyl Ether (MTBE)	55.0	5.0	1.0	ug/kg	50.0	ND	110	55-155	7	35	
tert-Amyl Methyl Ether (TAME)	61.8	5.0	0.64	ug/kg	50.0	ND	124	60-150	6	25	
tert-Butanol (TBA)	249	100	10	ug/kg	250	ND	100	65-145	5	30	
Surrogate: 4-Bromofluorobenzene	47.8			ug/kg	50.0		96	80-120			
Surrogate: Dibromofluoromethane	45.1			ug/kg	50.0		90	80-125			
Surrogate: Toluene-d8	50.3			ug/kg	50.0		101	80-120			

TestAmerica Irvine

Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

DATA QUALIFIERS AND DEFINITIONS

- MNRI** 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.
- 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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1161

Sampled: 12/10/10
Received: 12/10/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X
TPH by GC/MS	Soil	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

Lena Davidkova
Project Manager

IT 1111

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard, Suite 400 ■ Brea, CA 92821

COC

of

Chevron Site Number 190-654
 Chevron Site Global ID T060370473
 Chevron Site Address 601 S. VAL AVE
Montebello, CA
 Chevron PM: John Parsley
 Chevron PM Phone No.: (714) 671-3341

Chevron Consultant: Science Applications Int'l. Corp. (SAIC)
 Address: 590 W. Central Ave, Suite 1, Brea, CA 92821
 Consultant Contact: STEVE TANGANYAN
 Consultant Phone No.: (714) 257 6467
 Consultant Project No.: 460108094-P16-011
 Sampling Company: SAIC

□ Marketing Business Unit (MBU) Job
 □ Construction/Retail Job
 Charge Code: NWRTB 1001654 -0-
 NWRTB 00 SITE NUMBER -0- WBS
 WBS ELEMENTS:
 Site Assessment: A1L Remediation Implementation: R6L
 Site Monitoring: OML Operation Maintenance & Monitoring: M1L
 This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.

Other Lab: TEST AMERICA
 Temp Blank Check Time: _____ Temp: _____
 Sampler Signature: Greg Collins
 Sampled By (PRINT): GREG COLLINS
 Sampler: Lancaster Laboratories
 Lab Contact: Megan Moeller
 Phone No.: (717) 666-2300
 Ext: 1248

Field Point Name	Matrix	Top Depth	Date (yymmdd)	SAMPLE ID		Sample Time	# of Containers	Container Type	EPA 8260B/GCMS TFH-G9 BTEX MTBE	EPA 8015B GRO DRO5 HC SCREEN	EPA 8021B BTEX MTBE	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS STLC	EPA 1501 PH	SM 2510B SPECIFIC CONDUCTIVITY	EPA 418 1 TRPH	EPA 413 OIL & GREASE	ANALYSES REQUIRED	Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other	Special Instructions STANDARD TURN AROUND TIME	Notes / Comments			
				Field Point Name	Date																			
P-1	S	5	101210			1250	6	ENCORES	X	X														
P-1	S	5	101210			1250	1	JAR	X	X														
P-2	S	4	101210			1305	6	ENCORES	X	X														
P-2	S	4	101210			1305	1	JAR	X	X														
P-3	S	4	101210			1330	6	ENCORES	X	X														
P-3	S	4	101210			1330	1	JAR	X	X														

2100
12/10/10

Relinquished By: [Signature] Company: SAIC Date / Time: 12/10/10 14:25
 Relinquished To: [Signature] Company: SAIC Date / Time: 12-10-10 18:50
 Relinquished By: [Signature] Company: SAIC Date / Time: 12-10-10 18:50
 Relinquished To: [Signature] Company: SAIC Date / Time: 12-10-10 18:50

Turnaround Time (TAT):
 Standard 24 Hours 48 Hours
 72 Hours Other
 Sample Integrity: (Check by lab on arrival) 1-3
 Custody Seals Intact: NA On Ice: Temp: _____

22040

10/10/10

CHAIN OF CUSTODY FORM

COC

Chevron Environmental Management Company, 145 S. State College Boulevard, Suite 400, Brea, CA 92821

Chevron Site Number: 190-1654		Chevron Site Global ID: TO603103473		Chevron Site Address: 661 S. VAL AVE MATEHUELLO, CA		Chevron, PM: John Parsley Chevron, PM Phone No: (714) 671-3341		Chevron Consultant: Science Applications Int. Corp. (SAIC) Address: 350 W. Central Ave., Suite J, Brea, CA 92821		Preservation Codes: H = HCl T = Thiourea N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other	
Marketing Business Unit (MBU) Job: Construction/Retail Job		Charge Code: NWRB 1001654-0-11		NWRB 00 SITE NUMBER: 0- WBS		WBS ELEMENTS: Site Assessment: AIL Remediation Implementation: RIL Site Monitoring: OML Operation Maintenance & Monitoring: MTL		Sampling Company: SAIC		Special Instructions: STANDARD TURN AROUND TIME	
Consultant Contact: STONEHAGEN, JAY		Consultant Phone No: (714) 257-6407		Consultant Project No: 16010 BROUHA P10-01		Samp. By (PRINR): GREG COLLINS		Samp. Signature: [Signature]		ANALYSES REQUIRED: EPA 4181 TRPH <input type="checkbox"/> EPA 25108 SPECIFIC CONDUCTIVITY <input type="checkbox"/> EPA 150 LEH <input type="checkbox"/> EPA 90107000 TUE 22 METALS <input type="checkbox"/> TLE <input type="checkbox"/> SMC <input type="checkbox"/> EPA 8019 Ca, Fe, K, Mg, Mn, Na <input type="checkbox"/> EPA 8021 B, BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> EPA 8015B GRO <input type="checkbox"/> PRO <input type="checkbox"/> ONO <input type="checkbox"/> HC SCREEN <input type="checkbox"/> EPA 8260B/GCMS <input checked="" type="checkbox"/> TH <input type="checkbox"/> OR <input type="checkbox"/> STE <input type="checkbox"/> MTE <input type="checkbox"/> DRYGALTAG <input type="checkbox"/> HYCO <input type="checkbox"/>	
SAMPLE ID											
Field Point Name	Matrix	Top/Depth	Date (yy/mm/dd)	Sample Time	# of Containers	Container Type	Temp	Blank Check	Time	Temp	Notes / Comments
P-1	S	5	10/2/10	1250	6	ENCORES					
P-1	S	5	10/2/10	1250	1	JAR					
P-2	S	4	10/2/10	1305	6	ENCORES					
P-2	S	4	10/2/10	1305	1	JAR					
P-3	S	4	10/2/10	1330	6	ENCORES					
P-3	S	4	10/2/10	1330	1	JAR					
Requisitioned By: SAIC				Date/Time: 12/10/10 14:25		Company: SAIC		Date/Time: 12-10-10 14:25		Standard: 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/>	
Requisitioned By: SAIC				Date/Time: 12-10-10 18:50		Company: SAIC		Date/Time: 12-10-10 18:50		Sample Integrity: (Check by job on arrival) <input checked="" type="checkbox"/> On Ice <input type="checkbox"/> Temp: 1.3	
Requisitioned By: SAIC				Date/Time: 12-10-10 18:50		Company: SAIC		Date/Time: 12-10-10 18:50		Custody/Seals intact: <input checked="" type="checkbox"/> On Ice <input type="checkbox"/> Temp: 1.3	

10/10/10

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10/10/10

10/10/10

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654
601 S. Vail Ave. Montebello, CA

Sampled: 12/15/10
Received: 12/15/10
Issued: 12/29/10 12:10

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITL1567-01	P-4-S-4-101215	Soil
ITL1567-02	P-5-S-4-101215	Soil
ITL1567-03	P-6-S-5-101215	Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-01 (P-4-S-4-101215 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10L2064	3.5	5.0	ND	0.999	12/18/10	12/20/10	
ORO (C23-C40)	EPA 8015B	10L2064	3.5	5.0	ND	0.999	12/18/10	12/20/10	
EFH (C13 - C40)	EPA 8015B	10L2064	3.5	5.0	ND	0.999	12/18/10	12/20/10	
Surrogate: n-Octacosane (40-140%)					79 %				
Sample ID: ITL1567-02 (P-5-S-4-101215 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10L2064	3.5	5.0	ND	1	12/18/10	12/20/10	
ORO (C23-C40)	EPA 8015B	10L2064	3.5	5.0	ND	1	12/18/10	12/20/10	
EFH (C13 - C40)	EPA 8015B	10L2064	3.5	5.0	ND	1	12/18/10	12/20/10	
Surrogate: n-Octacosane (40-140%)					85 %				
Sample ID: ITL1567-03 (P-6-S-5-101215 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10L2064	3.5	5.0	ND	0.998	12/18/10	12/20/10	
ORO (C23-C40)	EPA 8015B	10L2064	3.5	5.0	ND	0.998	12/18/10	12/20/10	
EFH (C13 - C40)	EPA 8015B	10L2064	3.5	5.0	ND	0.998	12/18/10	12/20/10	
Surrogate: n-Octacosane (40-140%)					78 %				

TestAmerica Irvine

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SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1567

Sampled: 12/15/10
Received: 12/15/10

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-01 (P-4-S-4-101215 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015B	10L2388	0.13	0.34	2.0	0.855	12/15/10	12/21/10	
Surrogate: 4-BFB (FID) (65-140%)					118 %				
Sample ID: ITL1567-02 (P-5-S-4-101215 - Soil)									
Reporting Units: mg/kg									
RO (C4 - C12)	EPA 8015B	10L2388	0.12	0.32	ND	0.806	12/15/10	12/21/10	
Surrogate: 4-BFB (FID) (65-140%)					106 %				
Sample ID: ITL1567-03 (P-6-S-5-101215 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015B	10L2388	0.11	0.30	ND	0.75	12/15/10	12/21/10	
Surrogate: 4-BFB (FID) (65-140%)					106 %				

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Lena Davidkova
Project Manager

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SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-01 (P-4-S-4-101215 - Soil)									
Reporting Units: mg/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10L2793	0.047	0.079	2.9	0.791	12/15/10	12/23/10	
Surrogate: Dibromofluoromethane (80-125%)					97 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					92 %				
Sample ID: ITL1567-02 (P-5-S-4-101215 - Soil)									
Reporting Units: mg/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10L2793	0.046	0.076	ND	0.761	12/15/10	12/23/10	
Surrogate: Dibromofluoromethane (80-125%)					99 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					88 %				
Sample ID: ITL1567-03 (P-6-S-5-101215 - Soil)									
Reporting Units: mg/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10L2793	0.051	0.085	ND	0.849	12/15/10	12/23/10	
Surrogate: Dibromofluoromethane (80-125%)					99 %				
Surrogate: Toluene-d8 (80-120%)					96 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					88 %				

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Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite I
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-01 (P-4-S-4-101215 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10L2793	0.40	1.6	2.7	0.791	12/15/10	12/23/10	
Toluene	EPA 8260B	10L2793	0.66	4.0	ND	0.791	12/15/10	12/23/10	
Bromochloromethane	EPA 8260B	10L2793	0.71	4.0	ND	0.791	12/15/10	12/23/10	
Bromodichloromethane	EPA 8260B	10L2793	0.40	1.6	ND	0.791	12/15/10	12/23/10	
Chloroform	EPA 8260B	10L2793	0.63	4.0	ND	0.791	12/15/10	12/23/10	
Dichloromethane	EPA 8260B	10L2793	0.73	4.0	ND	0.791	12/15/10	12/23/10	
n-Butylbenzene	EPA 8260B	10L2793	0.57	4.0	ND	0.791	12/15/10	12/23/10	
o-Butylbenzene	EPA 8260B	10L2793	0.53	4.0	2.4	0.791	12/15/10	12/23/10	J
p-Butylbenzene	EPA 8260B	10L2793	0.49	4.0	ND	0.791	12/15/10	12/23/10	
Carbon tetrachloride	EPA 8260B	10L2793	0.40	4.0	ND	0.791	12/15/10	12/23/10	
Chlorobenzene	EPA 8260B	10L2793	0.41	1.6	ND	0.791	12/15/10	12/23/10	
1,1-Dichloroethane	EPA 8260B	10L2793	1.2	4.0	ND	0.791	12/15/10	12/23/10	
Chloroform	EPA 8260B	10L2793	0.40	1.6	ND	0.791	12/15/10	12/23/10	
Chloromethane	EPA 8260B	10L2793	0.79	4.0	ND	0.791	12/15/10	12/23/10	
o-Chlorotoluene	EPA 8260B	10L2793	0.69	4.0	ND	0.791	12/15/10	12/23/10	
p-Chlorotoluene	EPA 8260B	10L2793	0.59	4.0	ND	0.791	12/15/10	12/23/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10L2793	1.2	4.0	ND	0.791	12/15/10	12/23/10	
o-Dibromochloromethane	EPA 8260B	10L2793	0.55	1.6	ND	0.791	12/15/10	12/23/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10L2793	0.63	1.6	ND	0.791	12/15/10	12/23/10	
Dibromomethane	EPA 8260B	10L2793	0.71	1.6	ND	0.791	12/15/10	12/23/10	
1,2-Dichlorobenzene	EPA 8260B	10L2793	0.75	1.6	ND	0.791	12/15/10	12/23/10	
m-Dichlorobenzene	EPA 8260B	10L2793	0.66	1.6	ND	0.791	12/15/10	12/23/10	
p-Dichlorobenzene	EPA 8260B	10L2793	0.74	1.6	ND	0.791	12/15/10	12/23/10	
Dichlorodifluoromethane	EPA 8260B	10L2793	1.2	4.0	ND	0.791	12/15/10	12/23/10	
1,1-Dichloroethane	EPA 8260B	10L2793	0.40	1.6	ND	0.791	12/15/10	12/23/10	
m-Dichloroethane	EPA 8260B	10L2793	0.63	1.6	ND	0.791	12/15/10	12/23/10	
1,1-Dichloroethene	EPA 8260B	10L2793	0.47	4.0	ND	0.791	12/15/10	12/23/10	
cis-1,2-Dichloroethene	EPA 8260B	10L2793	0.66	1.6	ND	0.791	12/15/10	12/23/10	
trans-1,2-Dichloroethene	EPA 8260B	10L2793	0.55	1.6	ND	0.791	12/15/10	12/23/10	
1,2-Dichloropropane	EPA 8260B	10L2793	0.63	1.6	ND	0.791	12/15/10	12/23/10	
1,3-Dichloropropane	EPA 8260B	10L2793	0.50	1.6	ND	0.791	12/15/10	12/23/10	
2,2-Dichloropropane	EPA 8260B	10L2793	0.47	1.6	ND	0.791	12/15/10	12/23/10	
cis-1,3-Dichloropropene	EPA 8260B	10L2793	0.35	1.6	ND	0.791	12/15/10	12/23/10	
trans-1,3-Dichloropropene	EPA 8260B	10L2793	0.48	1.6	ND	0.791	12/15/10	12/23/10	
1,1-Dichloropropene	EPA 8260B	10L2793	0.32	1.6	ND	0.791	12/15/10	12/23/10	
o-Tolylbenzene	EPA 8260B	10L2793	0.40	1.6	7.4	0.791	12/15/10	12/23/10	
Hexachlorobutadiene	EPA 8260B	10L2793	0.63	4.0	ND	0.791	12/15/10	12/23/10	
Isopropylbenzene	EPA 8260B	10L2793	0.43	1.6	3.7	0.791	12/15/10	12/23/10	
o-Isopropyltoluene	EPA 8260B	10L2793	0.57	1.6	2.3	0.791	12/15/10	12/23/10	
1,1,2,2-Tetraethylene chloride	EPA 8260B	10L2793	5.1	16	ND	0.791	12/15/10	12/23/10	
Naphthalene	EPA 8260B	10L2793	0.87	4.0	16	0.791	12/15/10	12/23/10	

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 Project Manager

SAIC - Brea - Chevron
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 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-01 (P-4-S-4-101215 - Soil) - cont.									
Reporting Units: ug/kg									
n-Propylbenzene	EPA 8260B	10L2793	0.48	1.6	7.9	0.791	12/15/10	12/23/10	
Styrene	EPA 8260B	10L2793	0.46	1.6	ND	0.791	12/15/10	12/23/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L2793	0.45	4.0	ND	0.791	12/15/10	12/23/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10L2793	0.68	1.6	ND	0.791	12/15/10	12/23/10	
Tetrachloroethene	EPA 8260B	10L2793	0.39	1.6	ND	0.791	12/15/10	12/23/10	
Toluene	EPA 8260B	10L2793	0.40	1.6	1.6	0.791	12/15/10	12/23/10	
1,2,3-Trichlorobenzene	EPA 8260B	10L2793	0.79	4.0	ND	0.791	12/15/10	12/23/10	
1,2,4-Trichlorobenzene	EPA 8260B	10L2793	0.79	4.0	ND	0.791	12/15/10	12/23/10	
1,1,1-Trichloroethane	EPA 8260B	10L2793	0.55	1.6	ND	0.791	12/15/10	12/23/10	
1,1,2-Trichloroethane	EPA 8260B	10L2793	0.69	1.6	ND	0.791	12/15/10	12/23/10	
Trichloroethene	EPA 8260B	10L2793	0.40	1.6	ND	0.791	12/15/10	12/23/10	
Trichlorofluoromethane	EPA 8260B	10L2793	0.43	4.0	ND	0.791	12/15/10	12/23/10	
1,2,3-Trichloropropane	EPA 8260B	10L2793	0.79	7.9	ND	0.791	12/15/10	12/23/10	
1,2,4-Trimethylbenzene	EPA 8260B	10L2793	0.62	1.6	140	0.791	12/15/10	12/23/10	
1,3,5-Trimethylbenzene	EPA 8260B	10L2793	0.50	1.6	38	0.791	12/15/10	12/23/10	
Vinyl chloride	EPA 8260B	10L2793	0.72	4.0	ND	0.791	12/15/10	12/23/10	
m,p-Xylenes	EPA 8260B	10L2793	0.63	1.6	75	0.791	12/15/10	12/23/10	
o-Xylene	EPA 8260B	10L2793	0.40	1.6	20	0.791	12/15/10	12/23/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					92 %				
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					97 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					99 %				

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Lena Davidkova
 Project Manager

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 590 West Central Avenue, Suite 1
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 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-02 (P-5-S-4-101215 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
Toluene	EPA 8260B	10L2793	0.64	3.8	ND	0.761	12/15/10	12/23/10	
Bromochloromethane	EPA 8260B	10L2793	0.68	3.8	ND	0.761	12/15/10	12/23/10	
Bromodichloromethane	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
Bromoform	EPA 8260B	10L2793	0.61	3.8	ND	0.761	12/15/10	12/23/10	
Chloromethane	EPA 8260B	10L2793	0.70	3.8	ND	0.761	12/15/10	12/23/10	
n-Butylbenzene	EPA 8260B	10L2793	0.55	3.8	ND	0.761	12/15/10	12/23/10	
o-Butylbenzene	EPA 8260B	10L2793	0.51	3.8	ND	0.761	12/15/10	12/23/10	
p-Butylbenzene	EPA 8260B	10L2793	0.47	3.8	ND	0.761	12/15/10	12/23/10	
Carbon tetrachloride	EPA 8260B	10L2793	0.38	3.8	ND	0.761	12/15/10	12/23/10	
Chlorobenzene	EPA 8260B	10L2793	0.40	1.5	ND	0.761	12/15/10	12/23/10	
Chloroethane	EPA 8260B	10L2793	1.1	3.8	ND	0.761	12/15/10	12/23/10	
Chloroform	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
Chloromethane	EPA 8260B	10L2793	0.76	3.8	ND	0.761	12/15/10	12/23/10	
Chlorotoluene	EPA 8260B	10L2793	0.66	3.8	ND	0.761	12/15/10	12/23/10	
Chlorotoluene	EPA 8260B	10L2793	0.56	3.8	ND	0.761	12/15/10	12/23/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10L2793	1.1	3.8	ND	0.761	12/15/10	12/23/10	
Dibromochloromethane	EPA 8260B	10L2793	0.53	1.5	ND	0.761	12/15/10	12/23/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10L2793	0.61	1.5	ND	0.761	12/15/10	12/23/10	
Dibromomethane	EPA 8260B	10L2793	0.68	1.5	ND	0.761	12/15/10	12/23/10	
1,2-Dichlorobenzene	EPA 8260B	10L2793	0.72	1.5	ND	0.761	12/15/10	12/23/10	
1,3-Dichlorobenzene	EPA 8260B	10L2793	0.64	1.5	ND	0.761	12/15/10	12/23/10	
1,4-Dichlorobenzene	EPA 8260B	10L2793	0.72	1.5	ND	0.761	12/15/10	12/23/10	
Dichlorodifluoromethane	EPA 8260B	10L2793	1.1	3.8	ND	0.761	12/15/10	12/23/10	
1,1-Dichloroethane	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
1,2-Dichloroethane	EPA 8260B	10L2793	0.61	1.5	ND	0.761	12/15/10	12/23/10	
1,1-Dichloroethene	EPA 8260B	10L2793	0.46	3.8	ND	0.761	12/15/10	12/23/10	
cis-1,2-Dichloroethene	EPA 8260B	10L2793	0.63	1.5	ND	0.761	12/15/10	12/23/10	
trans-1,2-Dichloroethene	EPA 8260B	10L2793	0.53	1.5	ND	0.761	12/15/10	12/23/10	
1,2-Dichloropropane	EPA 8260B	10L2793	0.61	1.5	ND	0.761	12/15/10	12/23/10	
1,3-Dichloropropane	EPA 8260B	10L2793	0.48	1.5	ND	0.761	12/15/10	12/23/10	
2-Dichloropropane	EPA 8260B	10L2793	0.46	1.5	ND	0.761	12/15/10	12/23/10	
trans-1,3-Dichloropropene	EPA 8260B	10L2793	0.33	1.5	ND	0.761	12/15/10	12/23/10	
trans-1,3-Dichloropropene	EPA 8260B	10L2793	0.46	1.5	ND	0.761	12/15/10	12/23/10	
1-Dichloropropene	EPA 8260B	10L2793	0.30	1.5	ND	0.761	12/15/10	12/23/10	
o-xylene	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
Hexachlorobutadiene	EPA 8260B	10L2793	0.61	3.8	ND	0.761	12/15/10	12/23/10	
Isopropylbenzene	EPA 8260B	10L2793	0.41	1.5	ND	0.761	12/15/10	12/23/10	
Isopropyltoluene	EPA 8260B	10L2793	0.55	1.5	ND	0.761	12/15/10	12/23/10	
Methylene chloride	EPA 8260B	10L2793	4.9	15	ND	0.761	12/15/10	12/23/10	
Naphthalene	EPA 8260B	10L2793	0.84	3.8	ND	0.761	12/15/10	12/23/10	

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Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
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 Attention: Steve Targanyan

Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-02 (P-5-S-4-101215 - Soil) - cont.									
Reporting Units: ug/kg									
n-Propylbenzene	EPA 8260B	10L2793	0.46	1.5	ND	0.761	12/15/10	12/23/10	
Styrene	EPA 8260B	10L2793	0.44	1.5	ND	0.761	12/15/10	12/23/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L2793	0.43	3.8	ND	0.761	12/15/10	12/23/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10L2793	0.65	1.5	ND	0.761	12/15/10	12/23/10	
Tetrachloroethene	EPA 8260B	10L2793	0.37	1.5	ND	0.761	12/15/10	12/23/10	
Toluene	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
1,2,3-Trichlorobenzene	EPA 8260B	10L2793	0.76	3.8	ND	0.761	12/15/10	12/23/10	
1,2,4-Trichlorobenzene	EPA 8260B	10L2793	0.76	3.8	ND	0.761	12/15/10	12/23/10	
1,1,1-Trichloroethane	EPA 8260B	10L2793	0.53	1.5	ND	0.761	12/15/10	12/23/10	
1,1,2-Trichloroethane	EPA 8260B	10L2793	0.66	1.5	ND	0.761	12/15/10	12/23/10	
Trichloroethene	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
Trichlorofluoromethane	EPA 8260B	10L2793	0.41	3.8	ND	0.761	12/15/10	12/23/10	
1,2,3-Trichloropropane	EPA 8260B	10L2793	0.76	7.6	ND	0.761	12/15/10	12/23/10	
1,2,4-Trimethylbenzene	EPA 8260B	10L2793	0.59	1.5	ND	0.761	12/15/10	12/23/10	
1,3,5-Trimethylbenzene	EPA 8260B	10L2793	0.48	1.5	ND	0.761	12/15/10	12/23/10	
Vinyl chloride	EPA 8260B	10L2793	0.69	3.8	ND	0.761	12/15/10	12/23/10	
m,p-Xylenes	EPA 8260B	10L2793	0.61	1.5	ND	0.761	12/15/10	12/23/10	
o-Xylene	EPA 8260B	10L2793	0.38	1.5	ND	0.761	12/15/10	12/23/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					88 %				
Surrogate: Dibromofluoromethane (80-125%)					99 %				
Surrogate: Toluene-d8 (80-120%)					99 %				

TestAmerica Irvine

Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1567

Sampled: 12/15/10
Received: 12/15/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-03 (P-6-S-5-101215 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
o-xylene	EPA 8260B	10L2793	0.71	4.2	ND	0.849	12/15/10	12/23/10	
Bromochloromethane	EPA 8260B	10L2793	0.76	4.2	ND	0.849	12/15/10	12/23/10	
Bromodichloromethane	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
o-xylene	EPA 8260B	10L2793	0.68	4.2	ND	0.849	12/15/10	12/23/10	
o-xylene	EPA 8260B	10L2793	0.78	4.2	ND	0.849	12/15/10	12/23/10	
n-Butylbenzene	EPA 8260B	10L2793	0.61	4.2	ND	0.849	12/15/10	12/23/10	
m-Butylbenzene	EPA 8260B	10L2793	0.57	4.2	ND	0.849	12/15/10	12/23/10	
p-Butylbenzene	EPA 8260B	10L2793	0.53	4.2	ND	0.849	12/15/10	12/23/10	
Carbon tetrachloride	EPA 8260B	10L2793	0.42	4.2	ND	0.849	12/15/10	12/23/10	
Chlorobenzene	EPA 8260B	10L2793	0.44	1.7	ND	0.849	12/15/10	12/23/10	
chloroethane	EPA 8260B	10L2793	1.3	4.2	ND	0.849	12/15/10	12/23/10	
chloroform	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
Chloromethane	EPA 8260B	10L2793	0.85	4.2	ND	0.849	12/15/10	12/23/10	
Chlorotoluene	EPA 8260B	10L2793	0.74	4.2	ND	0.849	12/15/10	12/23/10	
Chlorotoluene	EPA 8260B	10L2793	0.63	4.2	ND	0.849	12/15/10	12/23/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10L2793	1.3	4.2	ND	0.849	12/15/10	12/23/10	
Dibromochloromethane	EPA 8260B	10L2793	0.59	1.7	ND	0.849	12/15/10	12/23/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10L2793	0.68	1.7	ND	0.849	12/15/10	12/23/10	
Dibromomethane	EPA 8260B	10L2793	0.76	1.7	ND	0.849	12/15/10	12/23/10	
1,2-Dichlorobenzene	EPA 8260B	10L2793	0.81	1.7	ND	0.849	12/15/10	12/23/10	
1,3-Dichlorobenzene	EPA 8260B	10L2793	0.71	1.7	ND	0.849	12/15/10	12/23/10	
1,4-Dichlorobenzene	EPA 8260B	10L2793	0.80	1.7	ND	0.849	12/15/10	12/23/10	
Dichlorodifluoromethane	EPA 8260B	10L2793	1.3	4.2	ND	0.849	12/15/10	12/23/10	
1,1-Dichloroethane	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
1,2-Dichloroethane	EPA 8260B	10L2793	0.68	1.7	ND	0.849	12/15/10	12/23/10	
1,1-Dichloroethene	EPA 8260B	10L2793	0.51	4.2	ND	0.849	12/15/10	12/23/10	
cis-1,2-Dichloroethene	EPA 8260B	10L2793	0.70	1.7	ND	0.849	12/15/10	12/23/10	
trans-1,2-Dichloroethene	EPA 8260B	10L2793	0.59	1.7	ND	0.849	12/15/10	12/23/10	
1,2-Dichloropropane	EPA 8260B	10L2793	0.68	1.7	ND	0.849	12/15/10	12/23/10	
1,3-Dichloropropane	EPA 8260B	10L2793	0.53	1.7	ND	0.849	12/15/10	12/23/10	
1,2-Dichloropropane	EPA 8260B	10L2793	0.51	1.7	ND	0.849	12/15/10	12/23/10	
cis-1,3-Dichloropropene	EPA 8260B	10L2793	0.37	1.7	ND	0.849	12/15/10	12/23/10	
trans-1,3-Dichloropropene	EPA 8260B	10L2793	0.52	1.7	ND	0.849	12/15/10	12/23/10	
1,1-Dichloropropene	EPA 8260B	10L2793	0.34	1.7	ND	0.849	12/15/10	12/23/10	
o-xylene	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
Hexachlorobutadiene	EPA 8260B	10L2793	0.68	4.2	ND	0.849	12/15/10	12/23/10	
Isopropylbenzene	EPA 8260B	10L2793	0.46	1.7	ND	0.849	12/15/10	12/23/10	
Isopropyltoluene	EPA 8260B	10L2793	0.61	1.7	ND	0.849	12/15/10	12/23/10	
1,1,1-trichloroethene	EPA 8260B	10L2793	5.5	17	ND	0.849	12/15/10	12/23/10	
Naphthalene	EPA 8260B	10L2793	0.93	4.2	ND	0.849	12/15/10	12/23/10	

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SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
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Project ID: CVX 1001654
 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-03 (P-6-S-5-101215 - Soil) - cont.									
Reporting Units: ug/kg									
n-Propylbenzene	EPA 8260B	10L2793	0.52	1.7	ND	0.849	12/15/10	12/23/10	
Styrene	EPA 8260B	10L2793	0.49	1.7	ND	0.849	12/15/10	12/23/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L2793	0.48	4.2	ND	0.849	12/15/10	12/23/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10L2793	0.73	1.7	ND	0.849	12/15/10	12/23/10	
Tetrachloroethene	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
Toluene	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
1,2,3-Trichlorobenzene	EPA 8260B	10L2793	0.85	4.2	ND	0.849	12/15/10	12/23/10	
1,2,4-Trichlorobenzene	EPA 8260B	10L2793	0.85	4.2	ND	0.849	12/15/10	12/23/10	
1,1,1-Trichloroethane	EPA 8260B	10L2793	0.59	1.7	ND	0.849	12/15/10	12/23/10	
1,1,2-Trichloroethane	EPA 8260B	10L2793	0.74	1.7	ND	0.849	12/15/10	12/23/10	
Trichloroethene	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
Trichlorofluoromethane	EPA 8260B	10L2793	0.46	4.2	ND	0.849	12/15/10	12/23/10	
1,2,3-Trichloropropane	EPA 8260B	10L2793	0.85	8.5	ND	0.849	12/15/10	12/23/10	
1,2,4-Trimethylbenzene	EPA 8260B	10L2793	0.66	1.7	ND	0.849	12/15/10	12/23/10	
1,3,5-Trimethylbenzene	EPA 8260B	10L2793	0.53	1.7	ND	0.849	12/15/10	12/23/10	
Vinyl chloride	EPA 8260B	10L2793	0.77	4.2	ND	0.849	12/15/10	12/23/10	
m,p-Xylenes	EPA 8260B	10L2793	0.68	1.7	ND	0.849	12/15/10	12/23/10	
o-Xylene	EPA 8260B	10L2793	0.42	1.7	ND	0.849	12/15/10	12/23/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					88 %				
<i>Surrogate: Dibromofluoromethane (80-125%)</i>					99 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					96 %				

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Sampled: 12/15/10
 Received: 12/15/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1567-01 (P-4-S-4-101215 - Soil)									
Reporting Units: ug/kg									
Di-isopropyl Ether (DIPE)	EPA 8260B	10L2793	0.40	4.0	ND	0.791	12/15/10	12/23/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L2793	0.46	4.0	ND	0.791	12/15/10	12/23/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L2793	0.79	4.0	ND	0.791	12/15/10	12/23/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L2793	0.51	4.0	ND	0.791	12/15/10	12/23/10	
tert-Butanol (TBA)	EPA 8260B	10L2793	7.9	79	ND	0.791	12/15/10	12/23/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					92 %				
Surrogate: Dibromofluoromethane (80-125%)					97 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Sample ID: ITL1567-02 (P-5-S-4-101215 - Soil)									
Reporting Units: ug/kg									
Di-isopropyl Ether (DIPE)	EPA 8260B	10L2793	0.38	3.8	ND	0.761	12/15/10	12/23/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L2793	0.44	3.8	ND	0.761	12/15/10	12/23/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L2793	0.76	3.8	ND	0.761	12/15/10	12/23/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L2793	0.49	3.8	ND	0.761	12/15/10	12/23/10	
tert-Butanol (TBA)	EPA 8260B	10L2793	7.6	76	ND	0.761	12/15/10	12/23/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					88 %				
Surrogate: Dibromofluoromethane (80-125%)					99 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Sample ID: ITL1567-03 (P-6-S-5-101215 - Soil)									
Reporting Units: ug/kg									
Di-isopropyl Ether (DIPE)	EPA 8260B	10L2793	0.42	4.2	ND	0.849	12/15/10	12/23/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L2793	0.49	4.2	ND	0.849	12/15/10	12/23/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L2793	0.85	4.2	ND	0.849	12/15/10	12/23/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L2793	0.54	4.2	ND	0.849	12/15/10	12/23/10	
tert-Butanol (TBA)	EPA 8260B	10L2793	8.5	85	ND	0.849	12/15/10	12/23/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					88 %				
Surrogate: Dibromofluoromethane (80-125%)					99 %				
Surrogate: Toluene-d8 (80-120%)					96 %				

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Received: 12/15/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: P-4-S-4-101215 (ITL1567-01) - Soil					
EPA 8015B	2	12/15/2010 13:30	12/15/2010 17:40	12/15/2010 23:15	12/21/2010 00:16
EPA 8260B	2	12/15/2010 13:30	12/15/2010 17:40	12/15/2010 23:15	12/23/2010 13:58
TPH by GC/MS	2	12/15/2010 13:30	12/15/2010 17:40	12/15/2010 23:15	12/23/2010 13:58
Sample ID: P-5-S-4-101215 (ITL1567-02) - Soil					
EPA 8015B	2	12/15/2010 13:55	12/15/2010 17:40	12/15/2010 23:15	12/21/2010 00:43
EPA 8260B	2	12/15/2010 13:55	12/15/2010 17:40	12/15/2010 23:15	12/23/2010 14:25
TPH by GC/MS	2	12/15/2010 13:55	12/15/2010 17:40	12/15/2010 23:15	12/23/2010 14:25
Sample ID: P-6-S-5-101215 (ITL1567-03) - Soil					
EPA 8015B	2	12/15/2010 14:10	12/15/2010 17:40	12/15/2010 23:15	12/21/2010 01:10
EPA 8260B	2	12/15/2010 14:10	12/15/2010 17:40	12/15/2010 23:15	12/23/2010 14:53
TPH by GC/MS	2	12/15/2010 14:10	12/15/2010 17:40	12/15/2010 23:15	12/23/2010 14:53

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Report Number: ITL1567

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2064 Extracted: 12/18/10											
Blank Analyzed: 12/20/2010 (10L2064-BLK1)											
ORO (C13-C22)	ND	5.0	3.5	mg/kg							
ORO (C23-C40)	ND	5.0	3.5	mg/kg							
PH (C13 - C40)	ND	5.0	3.5	mg/kg							
PH (C10 - C28)	ND	5.0	3.5	mg/kg							
Surrogate: n-Octacosane	5.40			mg/kg	6.67		81	40-140			
CS Analyzed: 12/20/2010 (10L2064-BS1)											
PH (C10 - C28)	26.3	5.0	3.5	mg/kg	33.3		79	45-115			
Surrogate: n-Octacosane	5.76			mg/kg	6.67		86	40-140			
Matrix Spike Analyzed: 12/22/2010 (10L2064-MS1) Source: ITL1603-01											
PH (C10 - C28)	291	10	7.0	mg/kg	33.3	241	150	40-120			MI
Surrogate: n-Octacosane	14.5			mg/kg	6.66		217	40-140			ZX
Matrix Spike Dup Analyzed: 12/22/2010 (10L2064-MSD1) Source: ITL1603-01											
EFH (C10 - C28)	271	10	7.0	mg/kg	33.3	241	90	40-120	7	30	
Surrogate: n-Octacosane	12.8			mg/kg	6.66		192	40-140			ZX

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2388 Extracted: 12/20/10											
Blank Analyzed: 12/20/2010 (10L2388-BLK1)											
GRO (C4 - C12)	ND	0.40	0.15	mg/kg							
Surrogate: 4-BFB (FID)	0.0219			mg/kg	0.0200		110	65-140			
LCS Analyzed: 12/20/2010 (10L2388-BS1)											
GRO (C4 - C12)	1.58	0.40	0.15	mg/kg	1.60		99	70-135			MNR1
Surrogate: 4-BFB (FID)	0.0384			mg/kg	0.0200		192	65-140			Z2
LCS Dup Analyzed: 12/20/2010 (10L2388-BSD1)											
GRO (C4 - C12)	1.58	0.40	0.15	mg/kg	1.60		99	70-135	0.2	20	
Surrogate: 4-BFB (FID)	0.0384			mg/kg	0.0200		192	65-140			Z2

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 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10											
Blank Analyzed: 12/23/2010 (10L2793-BLK1)											
Volatile Fuel Hydrocarbons (C4-C12)	ND	0.10	0.060	mg/kg							
Surrogate: Dibromofluoromethane	0.0503			mg/kg	0.0500		101	80-125			
Surrogate: Toluene-d8	0.0481			mg/kg	0.0500		96	80-120			
Surrogate: 4-Bromofluorobenzene	0.0444			mg/kg	0.0500		89	80-120			
LCS Analyzed: 12/23/2010 (10L2793-BS2)											
Volatile Fuel Hydrocarbons (C4-C12)	0.616	0.10	0.060	mg/kg	1.00		62	60-135			
Surrogate: Dibromofluoromethane	0.0503			mg/kg	0.0500		101	80-125			
Surrogate: Toluene-d8	0.0502			mg/kg	0.0500		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.0462			mg/kg	0.0500		92	80-120			
LCS Dup Analyzed: 12/23/2010 (10L2793-BSD2)											
Volatile Fuel Hydrocarbons (C4-C12)	0.649	0.10	0.060	mg/kg	1.00		65	60-135	5	20	
Surrogate: Dibromofluoromethane	0.0492			mg/kg	0.0500		98	80-125			
Surrogate: Toluene-d8	0.0482			mg/kg	0.0500		96	80-120			
Surrogate: 4-Bromofluorobenzene	0.0455			mg/kg	0.0500		91	80-120			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10											
Blank Analyzed: 12/23/2010 (10L2793-BLK1)											
Benzene	ND	2.0	0.50	ug/kg							
Bromobenzene	ND	5.0	0.84	ug/kg							
Bromochloromethane	ND	5.0	0.90	ug/kg							
Bromodichloromethane	ND	2.0	0.50	ug/kg							
Bromoform	ND	5.0	0.80	ug/kg							
Bromomethane	ND	5.0	0.92	ug/kg							
n-Butylbenzene	ND	5.0	0.72	ug/kg							
sec-Butylbenzene	ND	5.0	0.67	ug/kg							
tert-Butylbenzene	ND	5.0	0.62	ug/kg							
Carbon tetrachloride	ND	5.0	0.50	ug/kg							
Chlorobenzene	ND	2.0	0.52	ug/kg							
Chloroethane	ND	5.0	1.5	ug/kg							
Chloroform	ND	2.0	0.50	ug/kg							
Chloromethane	ND	5.0	1.0	ug/kg							
2-Chlorotoluene	ND	5.0	0.87	ug/kg							
4-Chlorotoluene	ND	5.0	0.74	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	1.5	ug/kg							
Dibromochloromethane	ND	2.0	0.70	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	0.80	ug/kg							
Dibromomethane	ND	2.0	0.90	ug/kg							
1,2-Dichlorobenzene	ND	2.0	0.95	ug/kg							
1,3-Dichlorobenzene	ND	2.0	0.84	ug/kg							
1,4-Dichlorobenzene	ND	2.0	0.94	ug/kg							
Dichlorodifluoromethane	ND	5.0	1.5	ug/kg							
1,1-Dichloroethane	ND	2.0	0.50	ug/kg							
1,2-Dichloroethane	ND	2.0	0.80	ug/kg							
1,1-Dichloroethene	ND	5.0	0.60	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	0.83	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	0.70	ug/kg							
1,2-Dichloropropane	ND	2.0	0.80	ug/kg							
1,3-Dichloropropane	ND	2.0	0.63	ug/kg							
2,2-Dichloropropane	ND	2.0	0.60	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	0.44	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	0.61	ug/kg							
1,1-Dichloropropene	ND	2.0	0.40	ug/kg							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10										
Blank Analyzed: 12/23/2010 (10L2793-BLK1)										
Ethylbenzene	ND	2.0	0.50	ug/kg						
Hexachlorobutadiene	ND	5.0	0.80	ug/kg						
o-propylbenzene	ND	2.0	0.54	ug/kg						
Isopropyltoluene	ND	2.0	0.72	ug/kg						
Methylene chloride	ND	20	6.5	ug/kg						
o-phthalene	ND	5.0	1.1	ug/kg						
Propylbenzene	ND	2.0	0.61	ug/kg						
Styrene	ND	2.0	0.58	ug/kg						
1,1,1,2-Tetrachloroethane	ND	5.0	0.57	ug/kg						
1,1,2,2-Tetrachloroethane	ND	2.0	0.86	ug/kg						
1,1,2,2-Tetrachloroethane	ND	2.0	0.49	ug/kg						
Toluene	ND	2.0	0.50	ug/kg						
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/kg						
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg						
1,1,1-Trichloroethane	ND	2.0	0.70	ug/kg						
1,1,2-Trichloroethane	ND	2.0	0.87	ug/kg						
1,1,2-Trichloroethane	ND	2.0	0.50	ug/kg						
Trichlorofluoromethane	ND	5.0	0.54	ug/kg						
1,2,3-Trichloropropane	ND	10	1.0	ug/kg						
1,2,4-Trimethylbenzene	ND	2.0	0.78	ug/kg						
1,3,5-Trimethylbenzene	ND	2.0	0.63	ug/kg						
Vinyl chloride	ND	5.0	0.91	ug/kg						
m,p-Xylenes	ND	2.0	0.80	ug/kg						
Xylene	ND	2.0	0.50	ug/kg						
Surrogate: 4-Bromofluorobenzene	44.4			ug/kg	50.0		89		80-120	
Surrogate: Dibromofluoromethane	50.3			ug/kg	50.0		101		80-125	
Surrogate: Toluene-d8	48.1			ug/kg	50.0		96		80-120	

TestAmerica Irvine

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Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1567

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10											
LCS Analyzed: 12/23/2010 (10L2793-BS1)											
Benzene	44.8	2.0	0.50	ug/kg	50.0		90	65-120			MNR1
Bromobenzene	53.1	5.0	0.84	ug/kg	50.0		106	75-120			
Bromochloromethane	54.5	5.0	0.90	ug/kg	50.0		109	70-135			
Bromodichloromethane	55.3	2.0	0.50	ug/kg	50.0		111	70-135			
Bromoform	56.2	5.0	0.80	ug/kg	50.0		112	55-135			
Bromomethane	45.3	5.0	0.92	ug/kg	50.0		91	60-145			
n-Butylbenzene	45.8	5.0	0.72	ug/kg	50.0		92	70-130			
sec-Butylbenzene	50.9	5.0	0.67	ug/kg	50.0		102	70-125			
tert-Butylbenzene	51.8	5.0	0.62	ug/kg	50.0		104	70-125			
Carbon tetrachloride	62.5	5.0	0.50	ug/kg	50.0		125	65-140			
Chlorobenzene	48.6	2.0	0.52	ug/kg	50.0		97	75-120			
Chloroethane	40.3	5.0	1.5	ug/kg	50.0		81	60-140			
Chloroform	49.0	2.0	0.50	ug/kg	50.0		98	70-130			
Chloromethane	32.2	5.0	1.0	ug/kg	50.0		64	45-145			
2-Chlorotoluene	48.1	5.0	0.87	ug/kg	50.0		96	70-125			
4-Chlorotoluene	49.5	5.0	0.74	ug/kg	50.0		99	75-125			
1,2-Dibromo-3-chloropropane	56.1	5.0	1.5	ug/kg	50.0		112	50-135			
Dibromochloromethane	63.2	2.0	0.70	ug/kg	50.0		126	65-140			
1,2-Dibromoethane (EDB)	51.8	2.0	0.80	ug/kg	50.0		104	70-130			
Dibromomethane	52.3	2.0	0.90	ug/kg	50.0		105	70-130			
1,2-Dichlorobenzene	57.3	2.0	0.95	ug/kg	50.0		115	75-120			
1,3-Dichlorobenzene	54.3	2.0	0.84	ug/kg	50.0		109	75-125			
1,4-Dichlorobenzene	56.6	2.0	0.94	ug/kg	50.0		113	75-120			
Dichlorodifluoromethane	41.7	5.0	1.5	ug/kg	50.0		83	35-160			
1,1-Dichloroethane	45.1	2.0	0.50	ug/kg	50.0		90	70-130			
1,2-Dichloroethane	54.3	2.0	0.80	ug/kg	50.0		109	60-140			
1,1-Dichloroethene	45.2	5.0	0.60	ug/kg	50.0		90	70-125			
cis-1,2-Dichloroethene	48.5	2.0	0.83	ug/kg	50.0		97	70-125			
trans-1,2-Dichloroethene	45.3	2.0	0.70	ug/kg	50.0		91	70-125			
1,2-Dichloropropane	46.2	2.0	0.80	ug/kg	50.0		92	70-130			
1,3-Dichloropropane	46.5	2.0	0.63	ug/kg	50.0		93	70-125			
2,2-Dichloropropane	56.0	2.0	0.60	ug/kg	50.0		112	60-145			
cis-1,3-Dichloropropene	50.8	2.0	0.44	ug/kg	50.0		102	75-125			
trans-1,3-Dichloropropene	58.2	2.0	0.61	ug/kg	50.0		116	70-135			
1,1-Dichloropropene	46.6	2.0	0.40	ug/kg	50.0		93	70-130			

TestAmerica Irvine

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601 S. Vail Ave. Montebello, CA
Report Number: ITL1567

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10											
CS Analyzed: 12/23/2010 (10L2793-BS1)											
Ethylbenzene	48.0	2.0	0.50	ug/kg	50.0		96	70-125			MNR1
Hexachlorobutadiene	49.3	5.0	0.80	ug/kg	50.0		99	60-135			
Isopropylbenzene	49.4	2.0	0.54	ug/kg	50.0		99	75-130			
p-Isopropyltoluene	53.2	2.0	0.72	ug/kg	50.0		106	75-125			
Methylene chloride	42.0	20	6.5	ug/kg	50.0		84	55-135			
o-Phthalene	61.7	5.0	1.1	ug/kg	50.0		123	55-135			
Propylbenzene	45.1	2.0	0.61	ug/kg	50.0		90	70-130			
Styrene	50.8	2.0	0.58	ug/kg	50.0		102	75-130			
1,1,1,2-Tetrachloroethane	57.3	5.0	0.57	ug/kg	50.0		115	70-130			
1,1,2,2-Tetrachloroethane	49.2	2.0	0.86	ug/kg	50.0		98	55-140			
1,2-Dichloroethene	51.3	2.0	0.49	ug/kg	50.0		103	70-125			
Toluene	49.3	2.0	0.50	ug/kg	50.0		99	70-125			
1,3-Trichlorobenzene	53.4	5.0	1.0	ug/kg	50.0		107	60-130			
1,4-Trichlorobenzene	49.6	5.0	1.0	ug/kg	50.0		99	70-135			
1,1,1-Trichloroethane	56.2	2.0	0.70	ug/kg	50.0		112	65-135			
1,1,2-Trichloroethane	49.0	2.0	0.87	ug/kg	50.0		98	65-135			
1,1-Dichloroethene	54.0	2.0	0.50	ug/kg	50.0		108	70-125			
1,1,1-Trichlorofluoromethane	60.1	5.0	0.54	ug/kg	50.0		120	60-145			
1,2,3-Trichloropropane	48.2	10	1.0	ug/kg	50.0		96	60-135			
1,2,4-Trimethylbenzene	51.5	2.0	0.78	ug/kg	50.0		103	70-125			
1,3,5-Trimethylbenzene	51.0	2.0	0.63	ug/kg	50.0		102	70-125			
Vinyl chloride	40.6	5.0	0.91	ug/kg	50.0		81	55-135			
p-Xylenes	96.8	2.0	0.80	ug/kg	100		97	70-125			
m-Xylene	49.8	2.0	0.50	ug/kg	50.0		100	70-125			
Surrogate: 4-Bromofluorobenzene	45.2			ug/kg	50.0		90	80-120			
Surrogate: Dibromofluoromethane	50.9			ug/kg	50.0		102	80-125			
Surrogate: Toluene-d8	47.3			ug/kg	50.0		95	80-120			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10											
LCS Dup Analyzed: 12/23/2010 (10L2793-BSD1)											
Benzene	44.3	2.0	0.50	ug/kg	50.0		89	65-120	1	20	
Bromobenzene	53.7	5.0	0.84	ug/kg	50.0		107	75-120	1	20	
Bromochloromethane	55.4	5.0	0.90	ug/kg	50.0		111	70-135	2	20	
Bromodichloromethane	56.3	2.0	0.50	ug/kg	50.0		113	70-135	2	20	
Bromoform	57.5	5.0	0.80	ug/kg	50.0		115	55-135	2	25	
Bromomethane	44.8	5.0	0.92	ug/kg	50.0		90	60-145	1	20	
n-Butylbenzene	46.4	5.0	0.72	ug/kg	50.0		93	70-130	1	20	
sec-Butylbenzene	50.2	5.0	0.67	ug/kg	50.0		100	70-125	1	20	
tert-Butylbenzene	52.9	5.0	0.62	ug/kg	50.0		106	70-125	2	20	
Carbon tetrachloride	60.8	5.0	0.50	ug/kg	50.0		122	65-140	3	20	
Chlorobenzene	48.9	2.0	0.52	ug/kg	50.0		98	75-120	0.7	20	
Chloroethane	39.9	5.0	1.5	ug/kg	50.0		80	60-140	1	25	
Chloroform	49.8	2.0	0.50	ug/kg	50.0		100	70-130	2	20	
Chloromethane	33.0	5.0	1.0	ug/kg	50.0		66	45-145	2	25	
2-Chlorotoluene	47.8	5.0	0.87	ug/kg	50.0		96	70-125	0.5	20	
4-Chlorotoluene	49.3	5.0	0.74	ug/kg	50.0		99	75-125	0.4	20	
1,2-Dibromo-3-chloropropane	59.2	5.0	1.5	ug/kg	50.0		118	50-135	5	30	
Dibromochloromethane	65.2	2.0	0.70	ug/kg	50.0		130	65-140	3	20	
1,2-Dibromoethane (EDB)	53.6	2.0	0.80	ug/kg	50.0		107	70-130	3	20	
Dibromomethane	51.8	2.0	0.90	ug/kg	50.0		104	70-130	1	20	
1,2-Dichlorobenzene	56.8	2.0	0.95	ug/kg	50.0		114	75-120	0.9	20	
1,3-Dichlorobenzene	55.8	2.0	0.84	ug/kg	50.0		112	75-125	3	20	
1,4-Dichlorobenzene	55.8	2.0	0.94	ug/kg	50.0		112	75-120	1	20	
Dichlorodifluoromethane	42.6	5.0	1.5	ug/kg	50.0		85	35-160	2	30	
1,1-Dichloroethane	45.4	2.0	0.50	ug/kg	50.0		91	70-130	0.7	20	
1,2-Dichloroethane	54.0	2.0	0.80	ug/kg	50.0		108	60-140	0.6	20	
1,1-Dichloroethene	45.4	5.0	0.60	ug/kg	50.0		91	70-125	0.4	20	
cis-1,2-Dichloroethene	49.2	2.0	0.83	ug/kg	50.0		98	70-125	1	20	
trans-1,2-Dichloroethene	46.0	2.0	0.70	ug/kg	50.0		92	70-125	2	20	
1,2-Dichloropropane	45.3	2.0	0.80	ug/kg	50.0		91	70-130	2	20	
1,3-Dichloropropane	46.6	2.0	0.63	ug/kg	50.0		93	70-125	0.1	20	
2,2-Dichloropropane	56.3	2.0	0.60	ug/kg	50.0		113	60-145	0.4	20	
cis-1,3-Dichloropropene	50.3	2.0	0.44	ug/kg	50.0		101	75-125	1	20	
trans-1,3-Dichloropropene	57.8	2.0	0.61	ug/kg	50.0		116	70-135	0.8	20	
1,1-Dichloropropene	47.0	2.0	0.40	ug/kg	50.0		94	70-130	0.9	20	

TestAmerica Irvine

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 601 S. Vail Ave. Montebello, CA
 Report Number: ITL1567

Sampled: 12/15/10
 Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10											
CS Dup Analyzed: 12/23/2010 (10L2793-BSD1)											
Ethylbenzene	48.2	2.0	0.50	ug/kg	50.0		96	70-125	0.4	20	
Hexachlorobutadiene	52.0	5.0	0.80	ug/kg	50.0		104	60-135	5	20	
propylbenzene	48.2	2.0	0.54	ug/kg	50.0		96	75-130	3	20	
Isopropyltoluene	52.9	2.0	0.72	ug/kg	50.0		106	75-125	0.4	20	
Methylene chloride	42.4	20	6.5	ug/kg	50.0		85	55-135	1	20	
naphthalene	63.6	5.0	1.1	ug/kg	50.0		127	55-135	3	25	
Propylbenzene	47.1	2.0	0.61	ug/kg	50.0		94	70-130	4	20	
Styrene	52.0	2.0	0.58	ug/kg	50.0		104	75-130	2	20	
1,1,1,2-Tetrachloroethane	57.7	5.0	0.57	ug/kg	50.0		115	70-130	0.6	20	
1,2,2-Tetrachloroethane	49.2	2.0	0.86	ug/kg	50.0		98	55-140	0.04	30	
1,1,1-Trichloroethane	50.6	2.0	0.49	ug/kg	50.0		101	70-125	1	20	
Toluene	48.3	2.0	0.50	ug/kg	50.0		97	70-125	2	20	
2,3-Trichlorobenzene	54.3	5.0	1.0	ug/kg	50.0		109	60-130	2	20	
2,4-Trichlorobenzene	53.1	5.0	1.0	ug/kg	50.0		106	70-135	7	20	
1,1,1-Trichloroethane	56.9	2.0	0.70	ug/kg	50.0		114	65-135	1	20	
1,2-Trichloroethane	50.1	2.0	0.87	ug/kg	50.0		100	65-135	2	20	
1,1,1-Trichloroethane	54.8	2.0	0.50	ug/kg	50.0		110	70-125	1	20	
Trichlorofluoromethane	61.0	5.0	0.54	ug/kg	50.0		122	60-145	1	25	
1,2,3-Trichloropropane	48.8	10	1.0	ug/kg	50.0		98	60-135	1	25	
2,4-Trimethylbenzene	51.0	2.0	0.78	ug/kg	50.0		102	70-125	1	20	
1,3,5-Trimethylbenzene	51.8	2.0	0.63	ug/kg	50.0		104	70-125	1	20	
Vinyl chloride	40.6	5.0	0.91	ug/kg	50.0		81	55-135	0.05	25	
p-Xylenes	96.4	2.0	0.80	ug/kg	100		96	70-125	0.4	20	
Xylene	49.4	2.0	0.50	ug/kg	50.0		99	70-125	0.8	20	
Surrogate: 4-Bromofluorobenzene	44.5			ug/kg	50.0		89	80-120			
Surrogate: Dibromofluoromethane	51.2			ug/kg	50.0		102	80-125			
Surrogate: Toluene-d8	48.4			ug/kg	50.0		97	80-120			

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Report Number: ITL1567

Sampled: 12/15/10
Received: 12/15/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2793 Extracted: 12/23/10										
Blank Analyzed: 12/23/2010 (10L2793-BLK1)										
Di-isopropyl Ether (DIPE)	ND	5.0	0.50	ug/kg						
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.58	ug/kg						
Methyl-tert-butyl Ether (MTBE)	ND	5.0	1.0	ug/kg						
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.64	ug/kg						
tert-Butanol (TBA)	ND	100	10	ug/kg						
Surrogate: 4-Bromofluorobenzene	44.4			ug/kg	50.0		89			80-120
Surrogate: Dibromofluoromethane	50.3			ug/kg	50.0		101			80-125
Surrogate: Toluene-d8	48.1			ug/kg	50.0		96			80-120
LCS Analyzed: 12/23/2010 (10L2793-BS1)										
Di-isopropyl Ether (DIPE)	38.2	5.0	0.50	ug/kg	50.0		76			60-140
Ethyl tert-Butyl Ether (ETBE)	46.2	5.0	0.58	ug/kg	50.0		92			60-140
Methyl-tert-butyl Ether (MTBE)	46.8	5.0	1.0	ug/kg	50.0		94			60-140
tert-Amyl Methyl Ether (TAME)	48.1	5.0	0.64	ug/kg	50.0		96			60-145
tert-Butanol (TBA)	254	100	10	ug/kg	250		102			70-135
Surrogate: 4-Bromofluorobenzene	45.2			ug/kg	50.0		90			80-120
Surrogate: Dibromofluoromethane	50.9			ug/kg	50.0		102			80-125
Surrogate: Toluene-d8	47.3			ug/kg	50.0		95			80-120
LCS Dup Analyzed: 12/23/2010 (10L2793-BSD1)										
Di-isopropyl Ether (DIPE)	39.3	5.0	0.50	ug/kg	50.0		79		3	20
Ethyl tert-Butyl Ether (ETBE)	47.7	5.0	0.58	ug/kg	50.0		95		3	20
Methyl-tert-butyl Ether (MTBE)	48.8	5.0	1.0	ug/kg	50.0		98		4	25
tert-Amyl Methyl Ether (TAME)	48.8	5.0	0.64	ug/kg	50.0		98		1	20
tert-Butanol (TBA)	273	100	10	ug/kg	250		109		7	20
Surrogate: 4-Bromofluorobenzene	44.5			ug/kg	50.0		89			80-120
Surrogate: Dibromofluoromethane	51.2			ug/kg	50.0		102			80-125
Surrogate: Toluene-d8	48.4			ug/kg	50.0		97			80-120

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601 S. Vail Ave. Montebello, CA
Report Number: ITL1567

Sampled: 12/15/10
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DATA QUALIFIERS AND DEFINITIONS

- T** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- MI** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- MNRI** 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.
- 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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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

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

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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X
TPH by GC/MS	Soil	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

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LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 1001654
601 S. Vail Ave. Montebello, CA

Sampled: 12/16/10
Received: 12/16/10
Issued: 12/29/10 12:45

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID

ITL1686-01

CLIENT ID

P-7-S-5-101216

MATRIX

Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite J
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1686-01 (P-7-S-5-101216 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	10L2294	3.5	5.0	ND	1	12/21/10	12/21/10	
ORO (C23-C40)	EPA 8015B	10L2294	3.5	5.0	ND	1	12/21/10	12/21/10	
EFH (C13 - C40)	EPA 8015B	10L2294	3.5	5.0	ND	1	12/21/10	12/21/10	
<i>Surrogate: n-Octacosane (40-140%)</i>					67 %				

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Lena Davidkova
Project Manager

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ITL1686 <Page 2 of 20>

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Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1686-01 (P-7-S-5-101216 - Soil) - cont.									
Reporting Units: mg/kg									
ARO (C4 - C12)	EPA 8015B	10L2388	0.12	0.32	ND	0.79	12/17/10	12/21/10	
surrogate: 4-BFB (FID) (65-140%)					109 %				

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Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1686-01 (P-7-S-5-101216 - Soil)									
Reporting Units: ug/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10L3040	47	78	ND	0.778	12/17/10	12/29/10	
Surrogate: Dibromofluoromethane (80-125%)					106 %				
Surrogate: Toluene-d8 (80-120%)					97 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					90 %				

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Sampled: 12/16/10
 Received: 12/16/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1686-01 (P-7-S-5-101216 - Soil)									
Reporting Units: ug/kg									
Benzene	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
Toluene	EPA 8260B	10L3040	0.65	3.9	ND	0.778	12/17/10	12/29/10	
Bromochloromethane	EPA 8260B	10L3040	0.70	3.9	ND	0.778	12/17/10	12/29/10	
Bromodichloromethane	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
Bromoform	EPA 8260B	10L3040	0.62	3.9	ND	0.778	12/17/10	12/29/10	
Chloromethane	EPA 8260B	10L3040	0.72	3.9	ND	0.778	12/17/10	12/29/10	
n-Butylbenzene	EPA 8260B	10L3040	0.56	3.9	ND	0.778	12/17/10	12/29/10	
o-Butylbenzene	EPA 8260B	10L3040	0.52	3.9	ND	0.778	12/17/10	12/29/10	
p-Butylbenzene	EPA 8260B	10L3040	0.48	3.9	ND	0.778	12/17/10	12/29/10	
Carbon tetrachloride	EPA 8260B	10L3040	0.39	3.9	ND	0.778	12/17/10	12/29/10	C
Chlorobenzene	EPA 8260B	10L3040	0.40	1.6	ND	0.778	12/17/10	12/29/10	
Chloroethane	EPA 8260B	10L3040	1.2	3.9	ND	0.778	12/17/10	12/29/10	
Chloroform	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
Chloromethane	EPA 8260B	10L3040	0.78	3.9	ND	0.778	12/17/10	12/29/10	
Chlorotoluene	EPA 8260B	10L3040	0.68	3.9	ND	0.778	12/17/10	12/29/10	
Chlorotoluene	EPA 8260B	10L3040	0.58	3.9	ND	0.778	12/17/10	12/29/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10L3040	1.2	3.9	ND	0.778	12/17/10	12/29/10	
Dibromochloromethane	EPA 8260B	10L3040	0.54	1.6	ND	0.778	12/17/10	12/29/10	C
1,2-Dibromoethane (EDB)	EPA 8260B	10L3040	0.62	1.6	ND	0.778	12/17/10	12/29/10	
Dibromomethane	EPA 8260B	10L3040	0.70	1.6	ND	0.778	12/17/10	12/29/10	
1,2-Dichlorobenzene	EPA 8260B	10L3040	0.74	1.6	ND	0.778	12/17/10	12/29/10	
1,3-Dichlorobenzene	EPA 8260B	10L3040	0.65	1.6	ND	0.778	12/17/10	12/29/10	
1,4-Dichlorobenzene	EPA 8260B	10L3040	0.73	1.6	ND	0.778	12/17/10	12/29/10	
Dichlorodifluoromethane	EPA 8260B	10L3040	1.2	3.9	ND	0.778	12/17/10	12/29/10	
1,1-Dichloroethane	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
1,2-Dichloroethane	EPA 8260B	10L3040	0.62	1.6	ND	0.778	12/17/10	12/29/10	
1,1-Dichloroethene	EPA 8260B	10L3040	0.47	3.9	ND	0.778	12/17/10	12/29/10	
cis-1,2-Dichloroethene	EPA 8260B	10L3040	0.65	1.6	ND	0.778	12/17/10	12/29/10	
trans-1,2-Dichloroethene	EPA 8260B	10L3040	0.54	1.6	ND	0.778	12/17/10	12/29/10	
1,2-Dichloropropane	EPA 8260B	10L3040	0.62	1.6	ND	0.778	12/17/10	12/29/10	
1,3-Dichloropropane	EPA 8260B	10L3040	0.49	1.6	ND	0.778	12/17/10	12/29/10	
1,2-Dichloropropane	EPA 8260B	10L3040	0.47	1.6	ND	0.778	12/17/10	12/29/10	
cis-1,3-Dichloropropene	EPA 8260B	10L3040	0.34	1.6	ND	0.778	12/17/10	12/29/10	
trans-1,3-Dichloropropene	EPA 8260B	10L3040	0.47	1.6	ND	0.778	12/17/10	12/29/10	
1,1-Dichloropropene	EPA 8260B	10L3040	0.31	1.6	ND	0.778	12/17/10	12/29/10	
1,2,4-Trichlorobenzene	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
Hexachlorobutadiene	EPA 8260B	10L3040	0.62	3.9	ND	0.778	12/17/10	12/29/10	
Isopropylbenzene	EPA 8260B	10L3040	0.42	1.6	ND	0.778	12/17/10	12/29/10	
Isopropyltoluene	EPA 8260B	10L3040	0.56	1.6	ND	0.778	12/17/10	12/29/10	
1,1,1-Trichloroethylene chloride	EPA 8260B	10L3040	5.1	16	ND	0.778	12/17/10	12/29/10	
Naphthalene	EPA 8260B	10L3040	0.86	3.9	ND	0.778	12/17/10	12/29/10	

TestAmerica Irvine

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Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITL1686-01 (P-7-S-5-101216 - Soil) - cont.									
Reporting Units: ug/kg									
n-Propylbenzene	EPA 8260B	10L3040	0.47	1.6	ND	0.778	12/17/10	12/29/10	
Styrene	EPA 8260B	10L3040	0.45	1.6	ND	0.778	12/17/10	12/29/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10L3040	0.44	3.9	ND	0.778	12/17/10	12/29/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10L3040	0.67	1.6	ND	0.778	12/17/10	12/29/10	
Tetrachloroethene	EPA 8260B	10L3040	0.38	1.6	ND	0.778	12/17/10	12/29/10	
Toluene	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
1,2,3-Trichlorobenzene	EPA 8260B	10L3040	0.78	3.9	ND	0.778	12/17/10	12/29/10	
1,2,4-Trichlorobenzene	EPA 8260B	10L3040	0.78	3.9	ND	0.778	12/17/10	12/29/10	
1,1,1-Trichloroethane	EPA 8260B	10L3040	0.54	1.6	ND	0.778	12/17/10	12/29/10	
1,1,2-Trichloroethane	EPA 8260B	10L3040	0.68	1.6	ND	0.778	12/17/10	12/29/10	
Trichloroethene	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
Trichlorofluoromethane	EPA 8260B	10L3040	0.42	3.9	ND	0.778	12/17/10	12/29/10	
1,2,3-Trichloropropane	EPA 8260B	10L3040	0.78	7.8	ND	0.778	12/17/10	12/29/10	
1,2,4-Trimethylbenzene	EPA 8260B	10L3040	0.61	1.6	ND	0.778	12/17/10	12/29/10	
1,3,5-Trimethylbenzene	EPA 8260B	10L3040	0.49	1.6	ND	0.778	12/17/10	12/29/10	
Vinyl chloride	EPA 8260B	10L3040	0.71	3.9	ND	0.778	12/17/10	12/29/10	
m,p-Xylenes	EPA 8260B	10L3040	0.62	1.6	ND	0.778	12/17/10	12/29/10	
o-Xylene	EPA 8260B	10L3040	0.39	1.6	ND	0.778	12/17/10	12/29/10	
Xylenes, Total	EPA 8260B	10L3040	1.0	3.1	ND	0.778	12/17/10	12/29/10	
Di-isopropyl Ether (DIPE)	EPA 8260B	10L3040	0.39	3.9	ND	0.778	12/17/10	12/29/10	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	10L3040	0.45	3.9	ND	0.778	12/17/10	12/29/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10L3040	0.78	3.9	ND	0.778	12/17/10	12/29/10	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	10L3040	0.50	3.9	ND	0.778	12/17/10	12/29/10	
tert-Butanol (TBA)	EPA 8260B	10L3040	7.8	78	ND	0.778	12/17/10	12/29/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									90 %
Surrogate: Dibromofluoromethane (80-125%)									106 %
Surrogate: Toluene-d8 (80-120%)									97 %

TestAmerica Irvine

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Project Manager

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Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: P-7-S-5-101216 (ITL1686-01) - Soil					
EPA 8015B	2	12/16/2010 13:00	12/16/2010 16:50	12/17/2010 14:06	12/21/2010 01:37
EPA 8260B	2	12/16/2010 13:00	12/16/2010 16:50	12/17/2010 14:06	12/29/2010 03:44
TPH by GC/MS	2	12/16/2010 13:00	12/16/2010 16:50	12/17/2010 14:06	12/29/2010 03:44

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ITL1686 <Page 7 of 20>

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 Report Number: ITL1686

Sampled: 12/16/10
 Received: 12/16/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2294 Extracted: 12/21/10											
Blank Analyzed: 12/21/2010 (10L2294-BLK1)											
DRO (C13-C22)	ND	5.0	3.5	mg/kg							
ORO (C23-C40)	ND	5.0	3.5	mg/kg							
EFH (C13 - C40)	ND	5.0	3.5	mg/kg							
EFH (C10 - C28)	ND	5.0	3.5	mg/kg							
Surrogate: n-Octacosane	3.99			mg/kg	6.67		60	40-140			
LCS Analyzed: 12/21/2010 (10L2294-BS1)											
EFH (C10 - C28)	20.2	5.0	3.5	mg/kg	33.3		60	45-115			
Surrogate: n-Octacosane	4.07			mg/kg	6.67		61	40-140			
Matrix Spike Analyzed: 12/21/2010 (10L2294-MS1) Source: ITL1832-06											
EFH (C10 - C28)	21.6	5.0	3.5	mg/kg	33.3	ND	65	40-120			
Surrogate: n-Octacosane	4.01			mg/kg	6.67		60	40-140			
Matrix Spike Dup Analyzed: 12/21/2010 (10L2294-MSD1) Source: ITL1832-06											
EFH (C10 - C28)	23.2	5.0	3.5	mg/kg	33.3	ND	70	40-120	7	30	
Surrogate: n-Octacosane	4.32			mg/kg	6.67		65	40-140			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5035/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2388 Extracted: 12/20/10											
Blank Analyzed: 12/20/2010 (10L2388-BLK1)											
GRO (C4 - C12)	ND	0.40	0.15	mg/kg							
Surrogate: 4-BFB (FID)	0.0219			mg/kg	0.0200		110	65-140			
CS Analyzed: 12/20/2010 (10L2388-BS1)											
GRO (C4 - C12)	1.58	0.40	0.15	mg/kg	1.60		99	70-135			MNR1
Surrogate: 4-BFB (FID)	0.0384			mg/kg	0.0200		192	65-140			Z2
CS Dup Analyzed: 12/20/2010 (10L2388-BSD1)											
GRO (C4 - C12)	1.58	0.40	0.15	mg/kg	1.60		99	70-135	0.2	20	
Surrogate: 4-BFB (FID)	0.0384			mg/kg	0.0200		192	65-140			Z2

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (EPA 5035/CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10											
Blank Analyzed: 12/28/2010 (10L3040-BLK1)											
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	60	ug/kg							
Surrogate: Dibromofluoromethane	55.1			ug/kg	50.0		110	80-125			
Surrogate: Toluene-d8	48.6			ug/kg	50.0		97	80-120			
Surrogate: 4-Bromofluorobenzene	46.9			ug/kg	50.0		94	80-120			
LCS Analyzed: 12/28/2010 (10L3040-BS2)											
Volatile Fuel Hydrocarbons (C4-C12)	677	100	60	ug/kg	1000		68	60-135			
Surrogate: Dibromofluoromethane	54.5			ug/kg	50.0		109	80-125			
Surrogate: Toluene-d8	49.9			ug/kg	50.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	46.8			ug/kg	50.0		94	80-120			
Matrix Spike Analyzed: 12/28/2010 (10L3040-MS1) Source: ITL2537-02											
Volatile Fuel Hydrocarbons (C4-C12)	2150	100	60	ug/kg	3440	ND	63	50-140			
Surrogate: Dibromofluoromethane	53.2			ug/kg	49.8		107	80-125			
Surrogate: Toluene-d8	50.4			ug/kg	49.8		101	80-120			
Surrogate: 4-Bromofluorobenzene	49.9			ug/kg	49.8		100	80-120			
Matrix Spike Dup Analyzed: 12/28/2010 (10L3040-MSD1) Source: ITL2537-02											
Volatile Fuel Hydrocarbons (C4-C12)	2000	95	57	ug/kg	3260	ND	61	50-140	7	25	
Surrogate: Dibromofluoromethane	51.5			ug/kg	47.3		109	80-125			
Surrogate: Toluene-d8	47.6			ug/kg	47.3		101	80-120			
Surrogate: 4-Bromofluorobenzene	45.2			ug/kg	47.3		96	80-120			

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Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10											
Blank Analyzed: 12/28/2010 (10L3040-BLK1)											
Benzene	ND	2.0	0.50	ug/kg							
Bromobenzene	ND	5.0	0.84	ug/kg							
Bromochloromethane	ND	5.0	0.90	ug/kg							
Bromodichloromethane	ND	2.0	0.50	ug/kg							
Bromoform	ND	5.0	0.80	ug/kg							
Bromomethane	ND	5.0	0.92	ug/kg							
Butylbenzene	ND	5.0	0.72	ug/kg							
sec-Butylbenzene	ND	5.0	0.67	ug/kg							
tert-Butylbenzene	ND	5.0	0.62	ug/kg							
Carbon tetrachloride	ND	5.0	0.50	ug/kg							
Chlorobenzene	ND	2.0	0.52	ug/kg							
Chloroethane	ND	5.0	1.5	ug/kg							
Chloroform	ND	2.0	0.50	ug/kg							
Chloromethane	ND	5.0	1.0	ug/kg							
2-Chlorotoluene	ND	5.0	0.87	ug/kg							
1-Chlorotoluene	ND	5.0	0.74	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	1.5	ug/kg							
Dibromochloromethane	ND	2.0	0.70	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	0.80	ug/kg							
Bromomethane	ND	2.0	0.90	ug/kg							
1,2-Dichlorobenzene	ND	2.0	0.95	ug/kg							
1,3-Dichlorobenzene	ND	2.0	0.84	ug/kg							
1,4-Dichlorobenzene	ND	2.0	0.94	ug/kg							
1,1-Dichloroethane	ND	5.0	1.5	ug/kg							
1,1-Dichloroethane	ND	2.0	0.50	ug/kg							
1,2-Dichloroethane	ND	2.0	0.80	ug/kg							
1,1-Dichloroethane	ND	5.0	0.60	ug/kg							
cis-1,2-Dichloroethane	ND	2.0	0.83	ug/kg							
trans-1,2-Dichloroethane	ND	2.0	0.70	ug/kg							
1,2-Dichloropropane	ND	2.0	0.80	ug/kg							
1,3-Dichloropropane	ND	2.0	0.63	ug/kg							
2,2-Dichloropropane	ND	2.0	0.60	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	0.44	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	0.61	ug/kg							
1,1-Dichloropropene	ND	2.0	0.40	ug/kg							

TestAmerica Irvine

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Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10										
Blank Analyzed: 12/28/2010 (10L3040-BLK1)										
Ethylbenzene	ND	2.0	0.50	ug/kg						
Hexachlorobutadiene	ND	5.0	0.80	ug/kg						
Isopropylbenzene	ND	2.0	0.54	ug/kg						
p-Isopropyltoluene	ND	2.0	0.72	ug/kg						
Methylene chloride	ND	20	6.5	ug/kg						
Naphthalene	ND	5.0	1.1	ug/kg						
n-Propylbenzene	ND	2.0	0.61	ug/kg						
Styrene	ND	2.0	0.58	ug/kg						
1,1,1,2-Tetrachloroethane	ND	5.0	0.57	ug/kg						
1,1,2,2-Tetrachloroethane	ND	2.0	0.86	ug/kg						
Tetrachloroethene	ND	2.0	0.49	ug/kg						
Toluene	ND	2.0	0.50	ug/kg						
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/kg						
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg						
1,1,1-Trichloroethane	ND	2.0	0.70	ug/kg						
1,1,2-Trichloroethane	ND	2.0	0.87	ug/kg						
Trichloroethene	ND	2.0	0.50	ug/kg						
Trichlorofluoromethane	ND	5.0	0.54	ug/kg						
1,2,3-Trichloropropane	ND	10	1.0	ug/kg						
1,2,4-Trimethylbenzene	ND	2.0	0.78	ug/kg						
1,3,5-Trimethylbenzene	ND	2.0	0.63	ug/kg						
Vinyl chloride	ND	5.0	0.91	ug/kg						
m,p-Xylenes	ND	2.0	0.80	ug/kg						
o-Xylene	ND	2.0	0.50	ug/kg						
Xylenes, Total	ND	4.0	1.3	ug/kg						
Di-isopropyl Ether (DIPE)	ND	5.0	0.50	ug/kg						
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.58	ug/kg						
Methyl-tert-butyl Ether (MTBE)	ND	5.0	1.0	ug/kg						
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.64	ug/kg						
tert-Butanol (TBA)	ND	100	10	ug/kg						
Surrogate: 4-Bromofluorobenzene	46.9			ug/kg	50.0		94	80-120		
Surrogate: Dibromofluoromethane	55.1			ug/kg	50.0		110	80-125		
Surrogate: Toluene-d8	48.6			ug/kg	50.0		97	80-120		

TestAmerica Irvine

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601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10											
CS Analyzed: 12/28/2010 (10L3040-BS1)											
Benzene	41.3	2.0	0.50	ug/kg	50.0		83	65-120			
Bromobenzene	48.1	5.0	0.84	ug/kg	50.0		96	75-120			
Bromochloromethane	51.5	5.0	0.90	ug/kg	50.0		103	70-135			
Bromodichloromethane	59.3	2.0	0.50	ug/kg	50.0		119	70-135			
Bromoform	57.1	5.0	0.80	ug/kg	50.0		114	55-135			
Bromomethane	44.4	5.0	0.92	ug/kg	50.0		89	60-145			
Butylbenzene	44.3	5.0	0.72	ug/kg	50.0		89	70-130			
sec-Butylbenzene	48.5	5.0	0.67	ug/kg	50.0		97	70-125			
tert-Butylbenzene	49.4	5.0	0.62	ug/kg	50.0		99	70-125			
Carbon tetrachloride	68.1	5.0	0.50	ug/kg	50.0		136	65-140			
Chlorobenzene	47.6	2.0	0.52	ug/kg	50.0		95	75-120			
Chloroethane	40.4	5.0	1.5	ug/kg	50.0		81	60-140			
Chloroform	51.5	2.0	0.50	ug/kg	50.0		103	70-130			
Chloromethane	38.1	5.0	1.0	ug/kg	50.0		76	45-145			
2-Chlorotoluene	44.8	5.0	0.87	ug/kg	50.0		90	70-125			
4-Chlorotoluene	46.7	5.0	0.74	ug/kg	50.0		93	75-125			
1,2-Dibromo-3-chloropropane	59.5	5.0	1.5	ug/kg	50.0		119	50-135			
Dibromochloromethane	64.9	2.0	0.70	ug/kg	50.0		130	65-140			
1,2-Dibromoethane (EDB)	51.1	2.0	0.80	ug/kg	50.0		102	70-130			
Dibromomethane	53.0	2.0	0.90	ug/kg	50.0		106	70-130			
2-Dichlorobenzene	52.5	2.0	0.95	ug/kg	50.0		105	75-120			
1,3-Dichlorobenzene	51.0	2.0	0.84	ug/kg	50.0		102	75-125			
1,4-Dichlorobenzene	52.5	2.0	0.94	ug/kg	50.0		105	75-120			
Dichlorodifluoromethane	49.7	5.0	1.5	ug/kg	50.0		99	35-160			
1,1-Dichloroethane	47.5	2.0	0.50	ug/kg	50.0		95	70-130			
1,2-Dichloroethane	62.4	2.0	0.80	ug/kg	50.0		125	60-140			
1,1-Dichloroethene	44.0	5.0	0.60	ug/kg	50.0		88	70-125			
cis-1,2-Dichloroethene	46.8	2.0	0.83	ug/kg	50.0		94	70-125			
trans-1,2-Dichloroethene	45.0	2.0	0.70	ug/kg	50.0		90	70-125			
2-Dichloropropane	45.1	2.0	0.80	ug/kg	50.0		90	70-130			
3-Dichloropropane	47.2	2.0	0.63	ug/kg	50.0		94	70-125			
2,2-Dichloropropane	61.6	2.0	0.60	ug/kg	50.0		123	60-145			
cis-1,3-Dichloropropene	49.5	2.0	0.44	ug/kg	50.0		99	75-125			
trans-1,3-Dichloropropene	60.1	2.0	0.61	ug/kg	50.0		120	70-135			
1,1-Dichloropropene	46.0	2.0	0.40	ug/kg	50.0		92	70-130			

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Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10										
LCS Analyzed: 12/28/2010 (10L3040-BS1)										
Ethylbenzene	47.1	2.0	0.50	ug/kg	50.0		94	70-125		
Hexachlorobutadiene	48.6	5.0	0.80	ug/kg	50.0		97	60-135		
Isopropylbenzene	45.9	2.0	0.54	ug/kg	50.0		92	75-130		
p-Isopropyltoluene	49.7	2.0	0.72	ug/kg	50.0		99	75-125		
Methylene chloride	41.1	20	6.5	ug/kg	50.0		82	55-135		
Naphthalene	57.2	5.0	1.1	ug/kg	50.0		114	55-135		
n-Propylbenzene	43.7	2.0	0.61	ug/kg	50.0		87	70-130		
Styrene	48.5	2.0	0.58	ug/kg	50.0		97	75-130		
1,1,1,2-Tetrachloroethane	57.6	5.0	0.57	ug/kg	50.0		115	70-130		
1,1,2,2-Tetrachloroethane	45.1	2.0	0.86	ug/kg	50.0		90	55-140		
Tetrachloroethene	46.1	2.0	0.49	ug/kg	50.0		92	70-125		
Toluene	46.4	2.0	0.50	ug/kg	50.0		93	70-125		
1,2,3-Trichlorobenzene	50.5	5.0	1.0	ug/kg	50.0		101	60-130		
1,2,4-Trichlorobenzene	47.3	5.0	1.0	ug/kg	50.0		95	70-135		
1,1,1-Trichloroethane	61.1	2.0	0.70	ug/kg	50.0		122	65-135		
1,1,2-Trichloroethane	46.9	2.0	0.87	ug/kg	50.0		94	65-135		
Trichloroethene	50.3	2.0	0.50	ug/kg	50.0		101	70-125		
Trichlorofluoromethane	69.5	5.0	0.54	ug/kg	50.0		139	60-145		
1,2,3-Trichloropropane	47.1	10	1.0	ug/kg	50.0		94	60-135		
1,2,4-Trimethylbenzene	49.9	2.0	0.78	ug/kg	50.0		100	70-125		
1,3,5-Trimethylbenzene	48.9	2.0	0.63	ug/kg	50.0		98	70-125		
Vinyl chloride	43.5	5.0	0.91	ug/kg	50.0		87	55-135		
m,p-Xylenes	95.1	2.0	0.80	ug/kg	100		95	70-125		
o-Xylene	47.4	2.0	0.50	ug/kg	50.0		95	70-125		
Xylenes, Total	143	4.0	1.3	ug/kg	150		95	70-125		
Di-isopropyl Ether (DIPE)	47.4	5.0	0.50	ug/kg	50.0		95	60-140		
Ethyl tert-Butyl Ether (ETBE)	52.9	5.0	0.58	ug/kg	50.0		106	60-140		
Methyl-tert-butyl Ether (MTBE)	52.2	5.0	1.0	ug/kg	50.0		104	60-140		
tert-Amyl Methyl Ether (TAME)	52.4	5.0	0.64	ug/kg	50.0		105	60-145		
tert-Butanol (TBA)	265	100	10	ug/kg	250		106	70-135		
Surrogate: 4-Bromofluorobenzene	49.5			ug/kg	50.0		99	80-120		
Surrogate: Dibromofluoromethane	55.5			ug/kg	50.0		111	80-125		
Surrogate: Toluene-d8	48.3			ug/kg	50.0		97	80-120		

TestAmerica Irvine

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Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10										
Matrix Spike Analyzed: 12/28/2010 (10L3040-MS1)					Source: ITL2537-02					
Benzene	43.0	2.0	0.50	ug/kg	49.8	ND	86	65-130		
Bromobenzene	49.9	5.0	0.84	ug/kg	49.8	ND	100	65-140		
Bromochloromethane	51.3	5.0	0.90	ug/kg	49.8	ND	103	65-145		
Bromodichloromethane	58.7	2.0	0.50	ug/kg	49.8	ND	118	65-145		
Bromoform	58.7	5.0	0.80	ug/kg	49.8	ND	118	50-145		
Bromomethane	45.0	5.0	0.92	ug/kg	49.8	ND	90	60-155		
Butylbenzene	46.0	5.0	0.72	ug/kg	49.8	ND	92	55-145		
sec-Butylbenzene	51.6	5.0	0.67	ug/kg	49.8	ND	104	60-135		
tert-Butylbenzene	52.1	5.0	0.62	ug/kg	49.8	ND	105	60-140		
Carbon tetrachloride	68.8	5.0	0.50	ug/kg	49.8	ND	138	60-145		
Chlorobenzene	49.9	2.0	0.52	ug/kg	49.8	ND	100	70-130		
Chloroethane	39.6	5.0	1.5	ug/kg	49.8	ND	80	60-150		
Chloroform	52.1	2.0	0.50	ug/kg	49.8	ND	105	65-135		
Chloromethane	37.3	5.0	1.0	ug/kg	49.8	ND	75	40-145		
2-Chlorotoluene	49.5	5.0	0.87	ug/kg	49.8	ND	99	60-135		
4-Chlorotoluene	50.6	5.0	0.74	ug/kg	49.8	ND	102	65-135		
1,2-Dibromo-3-chloropropane	56.2	5.0	1.5	ug/kg	49.8	ND	113	40-150		
Dibromochloromethane	69.0	2.0	0.70	ug/kg	49.8	ND	138	60-145		
1,2-Dibromoethane (EDB)	54.6	2.0	0.80	ug/kg	49.8	ND	110	65-140		
Dibromomethane	53.2	2.0	0.90	ug/kg	49.8	ND	107	65-140		
2-Dichlorobenzene	54.0	2.0	0.95	ug/kg	49.8	ND	108	70-130		
1,3-Dichlorobenzene	53.8	2.0	0.84	ug/kg	49.8	ND	108	70-130		
1,4-Dichlorobenzene	52.6	2.0	0.94	ug/kg	49.8	ND	106	70-130		
Dichlorodifluoromethane	49.5	5.0	1.5	ug/kg	49.8	ND	99	30-160		
1,1-Dichloroethane	48.3	2.0	0.50	ug/kg	49.8	ND	97	65-135		
1,2-Dichloroethane	60.7	2.0	0.80	ug/kg	49.8	ND	122	60-150		
1,1-Dichloroethene	44.0	5.0	0.60	ug/kg	49.8	ND	88	65-135		
cis-1,2-Dichloroethene	48.3	2.0	0.83	ug/kg	49.8	ND	97	65-135		
trans-1,2-Dichloroethene	45.4	2.0	0.70	ug/kg	49.8	ND	91	70-135		
2-Dichloropropane	46.7	2.0	0.80	ug/kg	49.8	ND	94	65-130		
3-Dichloropropane	48.4	2.0	0.63	ug/kg	49.8	ND	97	65-140		
2,2-Dichloropropane	63.0	2.0	0.60	ug/kg	49.8	ND	127	65-150		
cis-1,3-Dichloropropene	51.3	2.0	0.44	ug/kg	49.8	ND	103	70-135		
trans-1,3-Dichloropropene	59.2	2.0	0.61	ug/kg	49.8	ND	119	60-145		
1,1-Dichloropropene	49.3	2.0	0.40	ug/kg	49.8	ND	99	65-135		

TestAmerica Irvine

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601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10											
Matrix Spike Analyzed: 12/28/2010 (10L3040-MS1)						Source: ITL2537-02					
Ethylbenzene	51.4	2.0	0.50	ug/kg	49.8	ND	103	70-135			
Hexachlorobutadiene	50.2	5.0	0.80	ug/kg	49.8	ND	101	50-145			
Isopropylbenzene	49.2	2.0	0.54	ug/kg	49.8	ND	99	70-145			
p-Isopropyltoluene	53.1	2.0	0.72	ug/kg	49.8	ND	107	60-140			
Methylene chloride	40.5	20	6.5	ug/kg	49.8	ND	81	55-145			
Naphthalene	54.3	5.0	1.1	ug/kg	49.8	ND	109	40-150			
n-Propylbenzene	46.6	2.0	0.61	ug/kg	49.8	ND	93	65-140			
Styrene	52.2	2.0	0.58	ug/kg	49.8	ND	105	70-140			
1,1,1,2-Tetrachloroethane	60.3	5.0	0.57	ug/kg	49.8	ND	121	65-145			
1,1,2,2-Tetrachloroethane	46.0	2.0	0.86	ug/kg	49.8	ND	92	40-160			
Tetrachloroethene	50.7	2.0	0.49	ug/kg	49.8	ND	102	65-135			
Toluene	48.7	2.0	0.50	ug/kg	49.8	ND	98	70-130			
1,2,3-Trichlorobenzene	49.1	5.0	1.0	ug/kg	49.8	ND	99	45-145			
1,2,4-Trichlorobenzene	47.2	5.0	1.0	ug/kg	49.8	ND	95	50-140			
1,1,1-Trichloroethane	62.9	2.0	0.70	ug/kg	49.8	ND	126	65-145			
1,1,2-Trichloroethane	47.2	2.0	0.87	ug/kg	49.8	ND	95	65-140			
Trichloroethene	52.5	2.0	0.50	ug/kg	49.8	ND	105	65-140			
Trichlorofluoromethane	69.4	5.0	0.54	ug/kg	49.8	ND	139	55-155			
1,2,3-Trichloropropane	48.4	10	1.0	ug/kg	49.8	ND	97	50-150			
1,2,4-Trimethylbenzene	52.2	2.0	0.78	ug/kg	49.8	ND	105	65-140			
1,3,5-Trimethylbenzene	50.9	2.0	0.63	ug/kg	49.8	ND	102	65-135			
Vinyl chloride	44.7	5.0	0.91	ug/kg	49.8	ND	90	55-140			
m,p-Xylenes	101	2.0	0.80	ug/kg	99.6	ND	101	70-130			
o-Xylene	52.3	2.0	0.50	ug/kg	49.8	ND	105	65-130			
Xylenes, Total	153	4.0	1.3	ug/kg	149	ND	102	70-125			
Di-isopropyl Ether (DIPE)	47.0	5.0	0.50	ug/kg	49.8	ND	94	60-150			
Ethyl tert-Butyl Ether (ETBE)	52.4	5.0	0.58	ug/kg	49.8	ND	105	60-145			
Methyl-tert-butyl Ether (MTBE)	49.5	5.0	1.0	ug/kg	49.8	ND	99	55-155			
tert-Amyl Methyl Ether (TAME)	50.4	5.0	0.64	ug/kg	49.8	ND	101	60-150			
tert-Butanol (TBA)	277	100	10	ug/kg	249	ND	111	65-145			
Surrogate: 4-Bromofluorobenzene	49.9			ug/kg	49.8		100	80-120			
Surrogate: Dibromofluoromethane	53.2			ug/kg	49.8		107	80-125			
Surrogate: Toluene-d8	50.4			ug/kg	49.8		101	80-120			

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Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10											
Matrix Spike Dup Analyzed: 12/28/2010 (10L3040-MSD1)						Source: ITL2537-02					
Benzene	40.2	1.9	0.47	ug/kg	47.3	ND	85	65-130	7	20	
Bromobenzene	46.3	4.7	0.79	ug/kg	47.3	ND	98	65-140	8	25	
monochloromethane	48.1	4.7	0.85	ug/kg	47.3	ND	102	65-145	7	25	
1,1-dichloromethane	54.3	1.9	0.47	ug/kg	47.3	ND	115	65-145	8	20	
Bromoform	50.2	4.7	0.76	ug/kg	47.3	ND	106	50-145	16	30	
1,1-dibromomethane	42.1	4.7	0.87	ug/kg	47.3	ND	89	60-155	6	25	
n-Butylbenzene	44.1	4.7	0.68	ug/kg	47.3	ND	93	55-145	4	30	
sec-Butylbenzene	46.4	4.7	0.63	ug/kg	47.3	ND	98	60-135	10	25	
tert-Butylbenzene	48.1	4.7	0.59	ug/kg	47.3	ND	102	60-140	8	25	
Carbon tetrachloride	64.4	4.7	0.47	ug/kg	47.3	ND	136	60-145	7	25	
Chlorobenzene	43.9	1.9	0.49	ug/kg	47.3	ND	93	70-130	13	25	
Chloroethane	37.1	4.7	1.4	ug/kg	47.3	ND	79	60-150	7	25	
Chloroform	48.2	1.9	0.47	ug/kg	47.3	ND	102	65-135	8	20	
1,1-dichloroethane	35.2	4.7	0.95	ug/kg	47.3	ND	74	40-145	6	25	
2-Chlorotoluene	45.0	4.7	0.82	ug/kg	47.3	ND	95	60-135	10	25	
o-Chlorotoluene	46.1	4.7	0.70	ug/kg	47.3	ND	98	65-135	9	25	
1,2-Dibromo-3-chloropropane	52.1	4.7	1.4	ug/kg	47.3	ND	110	40-150	8	30	
Dibromochloromethane	59.5	1.9	0.66	ug/kg	47.3	ND	126	60-145	15	25	
1,2-Dibromoethane (EDB)	46.7	1.9	0.76	ug/kg	47.3	ND	99	65-140	16	25	
1,1-Dibromomethane	49.1	1.9	0.85	ug/kg	47.3	ND	104	65-140	8	25	
1,2-Dichlorobenzene	49.4	1.9	0.90	ug/kg	47.3	ND	104	70-130	9	25	
1,3-Dichlorobenzene	49.7	1.9	0.79	ug/kg	47.3	ND	105	70-130	8	25	
1,4-Dichlorobenzene	50.1	1.9	0.89	ug/kg	47.3	ND	106	70-130	5	25	
1,1-dichlorodifluoromethane	46.0	4.7	1.4	ug/kg	47.3	ND	97	30-160	8	35	
1,1,1-Trichloroethane	43.3	1.9	0.47	ug/kg	47.3	ND	92	65-135	11	25	
1,1,2-Trichloroethane	54.9	1.9	0.76	ug/kg	47.3	ND	116	60-150	10	25	
1,1,1-Trichloroethene	40.7	4.7	0.57	ug/kg	47.3	ND	86	65-135	8	25	
cis-1,2-Dichloroethene	43.4	1.9	0.78	ug/kg	47.3	ND	92	65-135	11	25	
trans-1,2-Dichloroethene	42.5	1.9	0.66	ug/kg	47.3	ND	90	70-135	7	25	
1,2-Dichloropropane	42.1	1.9	0.76	ug/kg	47.3	ND	89	65-130	10	20	
1,3-Dichloropropane	42.6	1.9	0.60	ug/kg	47.3	ND	90	65-140	13	25	
2,2-Dichloropropane	57.3	1.9	0.57	ug/kg	47.3	ND	121	65-150	10	25	
cis-1,3-Dichloropropene	47.5	1.9	0.42	ug/kg	47.3	ND	101	70-135	8	25	
trans-1,3-Dichloropropene	55.4	1.9	0.58	ug/kg	47.3	ND	117	60-145	7	25	
1,1,1-Trichloropropene	45.7	1.9	0.38	ug/kg	47.3	ND	97	65-135	8	20	

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 10L3040 Extracted: 12/28/10										
Matrix Spike Dup Analyzed: 12/28/2010 (10L3040-MSD1)					Source: ITL2537-02					
Ethylbenzene	43.6	1.9	0.47	ug/kg	47.3	ND	92	70-135	16	25
Hexachlorobutadiene	47.7	4.7	0.76	ug/kg	47.3	ND	101	50-145	5	35
Isopropylbenzene	45.8	1.9	0.51	ug/kg	47.3	ND	97	70-145	7	25
p-Isopropyltoluene	48.9	1.9	0.68	ug/kg	47.3	ND	103	60-140	8	25
Methylene chloride	37.2	19	6.1	ug/kg	47.3	ND	79	55-145	9	25
Naphthalene	51.7	4.7	1.0	ug/kg	47.3	ND	109	40-150	5	40
n-Propylbenzene	43.5	1.9	0.58	ug/kg	47.3	ND	92	65-140	7	25
Styrene	45.0	1.9	0.55	ug/kg	47.3	ND	95	70-140	15	25
1,1,1,2-Tetrachloroethane	52.6	4.7	0.54	ug/kg	47.3	ND	111	65-145	14	20
1,1,2,2-Tetrachloroethane	42.2	1.9	0.81	ug/kg	47.3	ND	89	40-160	9	30
Tetrachloroethene	43.9	1.9	0.46	ug/kg	47.3	ND	93	65-135	14	25
Toluene	45.0	1.9	0.47	ug/kg	47.3	ND	95	70-130	8	20
1,2,3-Trichlorobenzene	46.7	4.7	0.95	ug/kg	47.3	ND	99	45-145	5	30
1,2,4-Trichlorobenzene	46.2	4.7	0.95	ug/kg	47.3	ND	98	50-140	2	30
1,1,1-Trichloroethane	58.1	1.9	0.66	ug/kg	47.3	ND	123	65-145	8	20
1,1,2-Trichloroethane	45.0	1.9	0.82	ug/kg	47.3	ND	95	65-140	5	30
Trichloroethene	49.5	1.9	0.47	ug/kg	47.3	ND	105	65-140	6	25
Trichlorofluoromethane	63.6	4.7	0.51	ug/kg	47.3	ND	135	55-155	9	25
1,2,3-Trichloropropane	42.9	9.5	0.95	ug/kg	47.3	ND	91	50-150	12	30
1,2,4-Trimethylbenzene	47.4	1.9	0.74	ug/kg	47.3	ND	100	65-140	9	25
1,3,5-Trimethylbenzene	46.7	1.9	0.60	ug/kg	47.3	ND	99	65-135	9	25
Vinyl chloride	41.9	4.7	0.86	ug/kg	47.3	ND	89	55-140	6	30
m,p-Xylenes	87.9	1.9	0.76	ug/kg	94.5	ND	93	70-130	14	25
o-Xylene	44.8	1.9	0.47	ug/kg	47.3	ND	95	65-130	15	25
Xylenes, Total	133	3.8	1.2	ug/kg	142	ND	94	70-125	14	25
Di-isopropyl Ether (DIPE)	42.6	4.7	0.47	ug/kg	47.3	ND	90	60-150	10	25
Ethyl tert-Butyl Ether (ETBE)	47.3	4.7	0.55	ug/kg	47.3	ND	100	60-145	10	30
Methyl-tert-butyl Ether (MTBE)	48.1	4.7	0.95	ug/kg	47.3	ND	102	55-155	3	35
tert-Amyl Methyl Ether (TAME)	47.4	4.7	0.60	ug/kg	47.3	ND	100	60-150	6	25
tert-Butanol (TBA)	256	95	9.5	ug/kg	236	ND	108	65-145	8	30
Surrogate: 4-Bromofluorobenzene	45.2			ug/kg	47.3		96	80-120		
Surrogate: Dibromofluoromethane	51.5			ug/kg	47.3		109	80-125		
Surrogate: Toluene-d8	47.6			ug/kg	47.3		101	80-120		

TestAmerica Irvine

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590 West Central Avenue, Suite I
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Attention: Steve Targanyan

Project ID: CVX 1001654
601 S. Vail Ave. Montebello, CA
Report Number: ITL1686

Sampled: 12/16/10
Received: 12/16/10

DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- 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.
- 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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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

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

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Sampled: 12/16/10
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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X
TPH by GC/MS	Soil	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

Lena Davidkova
Project Manager

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 100-1654 601 S. Vail Ave.
Montebello, CA

Sampled: 01/04/11
Received: 01/04/11
Issued: 01/10/11 13:29

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID
IUA0229-01

CLIENT ID
COMP-1-S-110104

MATRIX
Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11

Received: 01/04/11

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0229-01 (COMP-1-S-110104 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	11A0353	3.5	5.0	ND	1	01/05/11	01/05/11	
ORO (C23-C40)	EPA 8015B	11A0353	3.5	5.0	ND	1	01/05/11	01/05/11	
EFH (C13 - C40)	EPA 8015B	11A0353	3.5	5.0	ND	1	01/05/11	01/05/11	
Surrogate: n-Octacosane (40-140%)					68 %				

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IUA0229 <Page 2 of 24>

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Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0229-01 (COMP-1-S-110104 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015 Mod.	11A0355	0.14	0.38	0.51	0.947	01/05/11	01/05/11	
Surrogate: 4-BFB (FID) (65-140%)					144 %				ZX

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0229-01 (COMP-1-S-110104 - Soil)									
Reporting Units: mg/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11A0322	0.060	0.099	ND	0.994	01/05/11	01/05/11	
Surrogate: Dibromofluoromethane (80-125%)					101 %				
Surrogate: Toluene-d8 (80-120%)					107 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					96 %				

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0229-01 (COMP-1-S-110104 - Soil)									
Reporting Units: mg/kg									
Benzene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Bromobenzene	EPA 8260B	11A0322	0.00083	0.0050	ND	0.994	01/05/11	01/05/11	
Bromochloromethane	EPA 8260B	11A0322	0.00089	0.0050	ND	0.994	01/05/11	01/05/11	
Bromodichloromethane	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Bromoform	EPA 8260B	11A0322	0.00080	0.0050	ND	0.994	01/05/11	01/05/11	
Bromomethane	EPA 8260B	11A0322	0.00091	0.0050	ND	0.994	01/05/11	01/05/11	
n-Butylbenzene	EPA 8260B	11A0322	0.00072	0.0050	ND	0.994	01/05/11	01/05/11	
o-Butylbenzene	EPA 8260B	11A0322	0.00067	0.0050	ND	0.994	01/05/11	01/05/11	
p-Butylbenzene	EPA 8260B	11A0322	0.00062	0.0050	ND	0.994	01/05/11	01/05/11	
Carbon tetrachloride	EPA 8260B	11A0322	0.00050	0.0050	ND	0.994	01/05/11	01/05/11	
Chlorobenzene	EPA 8260B	11A0322	0.00052	0.0020	ND	0.994	01/05/11	01/05/11	
Chloroethane	EPA 8260B	11A0322	0.0015	0.0050	ND	0.994	01/05/11	01/05/11	
Chloroform	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Chloromethane	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
o-Chlorotoluene	EPA 8260B	11A0322	0.00086	0.0050	ND	0.994	01/05/11	01/05/11	
p-Chlorotoluene	EPA 8260B	11A0322	0.00074	0.0050	ND	0.994	01/05/11	01/05/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11A0322	0.0015	0.0050	ND	0.994	01/05/11	01/05/11	
Dibromochloromethane	EPA 8260B	11A0322	0.00070	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
Dibromomethane	EPA 8260B	11A0322	0.00089	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dichlorobenzene	EPA 8260B	11A0322	0.00094	0.0020	ND	0.994	01/05/11	01/05/11	
1,3-Dichlorobenzene	EPA 8260B	11A0322	0.00083	0.0020	ND	0.994	01/05/11	01/05/11	
1,4-Dichlorobenzene	EPA 8260B	11A0322	0.00093	0.0020	ND	0.994	01/05/11	01/05/11	
Dichlorodifluoromethane	EPA 8260B	11A0322	0.0015	0.0050	ND	0.994	01/05/11	01/05/11	
1,1-Dichloroethane	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dichloroethane	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
1,1-Dichloroethene	EPA 8260B	11A0322	0.00060	0.0050	ND	0.994	01/05/11	01/05/11	
cis-1,2-Dichloroethene	EPA 8260B	11A0322	0.00083	0.0020	ND	0.994	01/05/11	01/05/11	
trans-1,2-Dichloroethene	EPA 8260B	11A0322	0.00070	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dichloropropane	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
1,3-Dichloropropane	EPA 8260B	11A0322	0.00063	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dichloropropane	EPA 8260B	11A0322	0.00060	0.0020	ND	0.994	01/05/11	01/05/11	
cis-1,3-Dichloropropene	EPA 8260B	11A0322	0.00044	0.0020	ND	0.994	01/05/11	01/05/11	
trans-1,3-Dichloropropene	EPA 8260B	11A0322	0.00061	0.0020	ND	0.994	01/05/11	01/05/11	C
1,1-Dichloropropene	EPA 8260B	11A0322	0.00040	0.0020	ND	0.994	01/05/11	01/05/11	
o-Tolylbenzene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Hexachlorobutadiene	EPA 8260B	11A0322	0.00080	0.0050	ND	0.994	01/05/11	01/05/11	
Isopropylbenzene	EPA 8260B	11A0322	0.00054	0.0020	ND	0.994	01/05/11	01/05/11	
o-Isopropyltoluene	EPA 8260B	11A0322	0.00072	0.0020	ND	0.994	01/05/11	01/05/11	
Methylene chloride	EPA 8260B	11A0322	0.0065	0.020	ND	0.994	01/05/11	01/05/11	
Naphthalene	EPA 8260B	11A0322	0.0011	0.0050	ND	0.994	01/05/11	01/05/11	

TestAmerica Irvine

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Project ID: CVX 100-1654 601 S. Vail Ave, Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0229-01 (COMP-1-S-110104 - Soil) - cont.									
Reporting Units: mg/kg									
n-Propylbenzene	EPA 8260B	11A0322	0.00061	0.0020	ND	0.994	01/05/11	01/05/11	
Styrene	EPA 8260B	11A0322	0.00058	0.0020	ND	0.994	01/05/11	01/05/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11A0322	0.00057	0.0050	ND	0.994	01/05/11	01/05/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11A0322	0.00085	0.0020	ND	0.994	01/05/11	01/05/11	
Tetrachloroethene	EPA 8260B	11A0322	0.00049	0.0020	ND	0.994	01/05/11	01/05/11	
Toluene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
1,2,3-Trichlorobenzene	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
1,2,4-Trichlorobenzene	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
1,1,1-Trichloroethane	EPA 8260B	11A0322	0.00070	0.0020	ND	0.994	01/05/11	01/05/11	
1,1,2-Trichloroethane	EPA 8260B	11A0322	0.00086	0.0020	ND	0.994	01/05/11	01/05/11	
Trichloroethene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Trichlorofluoromethane	EPA 8260B	11A0322	0.00054	0.0050	ND	0.994	01/05/11	01/05/11	
1,2,3-Trichloropropane	EPA 8260B	11A0322	0.00099	0.0099	ND	0.994	01/05/11	01/05/11	
1,2,4-Trimethylbenzene	EPA 8260B	11A0322	0.00078	0.0020	ND	0.994	01/05/11	01/05/11	
1,3,5-Trimethylbenzene	EPA 8260B	11A0322	0.00063	0.0020	ND	0.994	01/05/11	01/05/11	
Vinyl chloride	EPA 8260B	11A0322	0.00090	0.0050	ND	0.994	01/05/11	01/05/11	
m,p-Xylenes	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
o-Xylene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Xylenes, Total	EPA 8260B	11A0322	0.0013	0.0040	ND	0.994	01/05/11	01/05/11	
Di-isopropyl Ether (DIPE)	EPA 8260B	11A0322	0.00050	0.0050	ND	0.994	01/05/11	01/05/11	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11A0322	0.00058	0.0050	ND	0.994	01/05/11	01/05/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11A0322	0.00064	0.0050	ND	0.994	01/05/11	01/05/11	
tert-Butanol (TBA)	EPA 8260B	11A0322	0.00099	0.0099	ND	0.994	01/05/11	01/05/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					96 %				
Surrogate: Dibromofluoromethane (80-125%)					101 %				
Surrogate: Toluene-d8 (80-120%)					107 %				

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SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
 Received: 01/04/11

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0229-01 (COMP-1-S-110104 - Soil)									
Reporting Units: mg/kg									
Mercury	EPA 7471A	11A0431	0.012	0.020	ND	1	01/05/11	01/06/11	
Antimony	EPA 6010B	11A0451	0.87	9.9	1.4	0.985	01/05/11	01/06/11	J
Arsenic	EPA 6010B	11A0451	0.80	2.0	22	0.985	01/05/11	01/06/11	
Barium	EPA 6010B	11A0451	0.79	0.99	120	0.985	01/05/11	01/06/11	
Beryllium	EPA 6010B	11A0451	0.20	0.49	0.63	0.985	01/05/11	01/06/11	
Cadmium	EPA 6010B	11A0451	0.20	0.49	ND	0.985	01/05/11	01/06/11	
Chromium	EPA 6010B	11A0451	0.30	0.99	24	0.985	01/05/11	01/06/11	
Cobalt	EPA 6010B	11A0451	0.30	0.99	6.9	0.985	01/05/11	01/06/11	
Copper	EPA 6010B	11A0451	0.37	2.0	16	0.985	01/05/11	01/06/11	
Lead	EPA 6010B	11A0451	0.49	2.0	5.7	0.985	01/05/11	01/06/11	
Molybdenum	EPA 6010B	11A0451	0.20	2.0	0.65	0.985	01/05/11	01/06/11	J
Nickel	EPA 6010B	11A0451	0.20	2.0	15	0.985	01/05/11	01/06/11	
Selenium	EPA 6010B	11A0451	0.99	2.0	1.0	0.985	01/05/11	01/06/11	J
Silver	EPA 6010B	11A0451	0.79	0.99	ND	0.985	01/05/11	01/06/11	
Thallium	EPA 6010B	11A0451	0.79	9.9	1.3	0.985	01/05/11	01/06/11	J
Titanium	EPA 6010B	11A0451	0.30	0.99	49	0.985	01/05/11	01/06/11	
Zinc	EPA 6010B	11A0451	0.74	4.9	37	0.985	01/05/11	01/06/11	

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Report Number: IUA0229

Sampled: 01/04/11
 Received: 01/04/11

POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

Analyte	Units	Sample Result	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	TCLP Max. Limit mg/L (ppm)
IUA0229-01 (COMP-1-S-110104 - Soil)					
Mercury	mg/kg	ND	0.20	20	0.20
Antimony	mg/kg	1.4	15	500	
Arsenic	mg/kg	22	5.0	500	5.0
Barium	mg/kg	120	100	10000	100
Beryllium	mg/kg	0.63	0.75	75	
Cadmium	mg/kg	ND	1.0	100	1.0
Chromium	mg/kg	24	5.0	2500	5.0
Cobalt	mg/kg	6.9	80	8000	
Copper	mg/kg	16	25	2500	
Lead	mg/kg	5.7	5.0	1000	5.0
Molybdenum	mg/kg	0.65	350	3500	
Nickel	mg/kg	15	20	2000	
Selenium	mg/kg	1.0	1.0	100	1.0
Silver	mg/kg	ND	5.0	500	5.0
Thallium	mg/kg	1.3	7.0	700	
Vanadium	mg/kg	49	24	2400	
Zinc	mg/kg	37	250	5000	

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Sampled: 01/04/11
 Received: 01/04/11

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0353 Extracted: 01/05/11											
Blank Analyzed: 01/05/2011 (11A0353-BLK1)											
DRO (C13-C22)	ND	5.0	3.5	mg/kg							
ORO (C23-C40)	ND	5.0	3.5	mg/kg							
PH (C13 - C40)	ND	5.0	3.5	mg/kg							
PH (C10 - C28)	ND	5.0	3.5	mg/kg							
Surrogate: n-Octacosane	4.57			mg/kg	6.67		68	40-140			
CS Analyzed: 01/05/2011 (11A0353-BS1)											
PH (C10 - C28)	21.2	5.0	3.5	mg/kg	33.3		64	45-115			
Surrogate: n-Octacosane	4.45			mg/kg	6.67		67	40-140			
Matrix Spike Analyzed: 01/05/2011 (11A0353-MS1) Source: IUA0178-01											
EFH (C10 - C28)	21.4	5.0	3.5	mg/kg	33.3	ND	64	40-120			
Surrogate: n-Octacosane	4.51			mg/kg	6.67		68	40-140			
Matrix Spike Dup Analyzed: 01/05/2011 (11A0353-MSD1) Source: IUA0178-01											
EFH (C10 - C28)	24.3	5.0	3.5	mg/kg	33.3	ND	73	40-120	13	30	
Surrogate: n-Octacosane	5.09			mg/kg	6.67		76	40-140			

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Report Number: IUA0229

Sampled: 01/04/11
 Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0355 Extracted: 01/05/11											
Blank Analyzed: 01/05/2011 (11A0355-BLK1)											
GRO (C4 - C12)	ND	0.40	0.15	mg/kg							
Surrogate: 4-BFB (FID)	0.0217			mg/kg	0.0200		108	65-140			
LCS Analyzed: 01/05/2011 (11A0355-BS1)											
GRO (C4 - C12)	1.64	0.40	0.15	mg/kg	1.60		103	70-135			
Surrogate: 4-BFB (FID)	0.0386			mg/kg	0.0200		193	65-140			Z2
Matrix Spike Analyzed: 01/05/2011 (11A0355-MS1) Source: IUA0178-02											
GRO (C4 - C12)	0.508	0.39	0.15	mg/kg	0.427	ND	119	60-140			
Surrogate: 4-BFB (FID)	0.0211			mg/kg	0.0194		109	65-140			
Matrix Spike Dup Analyzed: 01/05/2011 (11A0355-MSD1) Source: IUA0178-02											
GRO (C4 - C12)	0.460	0.38	0.14	mg/kg	0.419	ND	110	60-140	10	30	
Surrogate: 4-BFB (FID)	0.0202			mg/kg	0.0190		106	65-140			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
Blank Analyzed: 01/05/2011 (11A0322-BLK1)											
Volatile Fuel Hydrocarbons (C4-C12)	ND	0.10	0.060	mg/kg							
Surrogate: Dibromofluoromethane	0.0504			mg/kg	0.0500		101	80-125			
Surrogate: Toluene-d8	0.0538			mg/kg	0.0500		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.0481			mg/kg	0.0500		96	80-120			
LCS Analyzed: 01/05/2011 (11A0322-BS2)											
Volatile Fuel Hydrocarbons (C4-C12)	1.18	0.10	0.060	mg/kg	1.00		118	60-135			
Surrogate: Dibromofluoromethane	0.0506			mg/kg	0.0500		101	80-125			
Surrogate: Toluene-d8	0.0537			mg/kg	0.0500		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.0491			mg/kg	0.0500		98	80-120			
Matrix Spike Analyzed: 01/05/2011 (11A0322-MS1) Source: IUA0229-01											
Volatile Fuel Hydrocarbons (C4-C12)	2.43	0.099	0.059	mg/kg	3.40	ND	71	50-140			
Surrogate: Dibromofluoromethane	0.0496			mg/kg	0.0493		101	80-125			
Surrogate: Toluene-d8	0.0538			mg/kg	0.0493		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0493		96	80-120			
Matrix Spike Dup Analyzed: 01/05/2011 (11A0322-MSD1) Source: IUA0229-01											
Volatile Fuel Hydrocarbons (C4-C12)	2.35	0.099	0.059	mg/kg	3.42	ND	69	50-140	3	25	
Surrogate: Dibromofluoromethane	0.0492			mg/kg	0.0495		99	80-125			
Surrogate: Toluene-d8	0.0536			mg/kg	0.0495		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0495		95	80-120			

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Report Number: IUA0229

Sampled: 01/04/11
 Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
Blank Analyzed: 01/05/2011 (11A0322-BLK1)										
Benzene	ND	0.0020	0.00050	mg/kg						
Bromobenzene	ND	0.0050	0.00084	mg/kg						
Bromochloromethane	ND	0.0050	0.00090	mg/kg						
Bromodichloromethane	ND	0.0020	0.00050	mg/kg						
Bromoform	ND	0.0050	0.00080	mg/kg						
Bromomethane	ND	0.0050	0.00092	mg/kg						
n-Butylbenzene	ND	0.0050	0.00072	mg/kg						
sec-Butylbenzene	ND	0.0050	0.00067	mg/kg						
tert-Butylbenzene	ND	0.0050	0.00062	mg/kg						
Carbon tetrachloride	ND	0.0050	0.00050	mg/kg						
Chlorobenzene	ND	0.0020	0.00052	mg/kg						
Chloroethane	ND	0.0050	0.0015	mg/kg						
Chloroform	ND	0.0020	0.00050	mg/kg						
Chloromethane	ND	0.0050	0.0010	mg/kg						
2-Chlorotoluene	ND	0.0050	0.00087	mg/kg						
4-Chlorotoluene	ND	0.0050	0.00074	mg/kg						
1,2-Dibromo-3-chloropropane	ND	0.0050	0.0015	mg/kg						
Dibromochloromethane	ND	0.0020	0.00070	mg/kg						
1,2-Dibromoethane (EDB)	ND	0.0020	0.00080	mg/kg						
Dibromomethane	ND	0.0020	0.00090	mg/kg						
1,2-Dichlorobenzene	ND	0.0020	0.00095	mg/kg						
1,3-Dichlorobenzene	ND	0.0020	0.00084	mg/kg						
1,4-Dichlorobenzene	ND	0.0020	0.00094	mg/kg						
Dichlorodifluoromethane	ND	0.0050	0.0015	mg/kg						
1,1-Dichloroethane	ND	0.0020	0.00050	mg/kg						
1,2-Dichloroethane	ND	0.0020	0.00080	mg/kg						
1,1-Dichloroethene	ND	0.0050	0.00060	mg/kg						
cis-1,2-Dichloroethene	ND	0.0020	0.00083	mg/kg						
trans-1,2-Dichloroethene	ND	0.0020	0.00070	mg/kg						
1,2-Dichloropropane	ND	0.0020	0.00080	mg/kg						
1,3-Dichloropropane	ND	0.0020	0.00063	mg/kg						
2,2-Dichloropropane	ND	0.0020	0.00060	mg/kg						
cis-1,3-Dichloropropene	ND	0.0020	0.00044	mg/kg						
trans-1,3-Dichloropropene	ND	0.0020	0.00061	mg/kg						
1,1-Dichloropropene	ND	0.0020	0.00040	mg/kg						

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Report Number: IUA0229

Sampled: 01/04/11
 Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
Blank Analyzed: 01/05/2011 (11A0322-BLK1)										
Ethylbenzene	ND	0.0020	0.00050	mg/kg						
Hexachlorobutadiene	ND	0.0050	0.00080	mg/kg						
m-Propylbenzene	ND	0.0020	0.00054	mg/kg						
p-Isopropyltoluene	ND	0.0020	0.00072	mg/kg						
Methylene chloride	ND	0.020	0.0065	mg/kg						
o-Phthalene	ND	0.0050	0.0011	mg/kg						
Propylbenzene	ND	0.0020	0.00061	mg/kg						
Styrene	ND	0.0020	0.00058	mg/kg						
1,1,1,2-Tetrachloroethane	ND	0.0050	0.00057	mg/kg						
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00086	mg/kg						
1,2,4-Trichloroethene	ND	0.0020	0.00049	mg/kg						
Toluene	ND	0.0020	0.00050	mg/kg						
1,2,3-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,2,4-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,1,1-Trichloroethane	ND	0.0020	0.00070	mg/kg						
1,1,2-Trichloroethane	ND	0.0020	0.00087	mg/kg						
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00050	mg/kg						
Trichlorofluoromethane	ND	0.0050	0.00054	mg/kg						
1,2,3-Trichloropropane	ND	0.010	0.0010	mg/kg						
1,2,4-Trimethylbenzene	ND	0.0020	0.00078	mg/kg						
1,3,5-Trimethylbenzene	ND	0.0020	0.00063	mg/kg						
Vinyl chloride	ND	0.0050	0.00091	mg/kg						
p-Xylenes	ND	0.0020	0.00080	mg/kg						
m-Xylene	ND	0.0020	0.00050	mg/kg						
Xylenes, Total	ND	0.0040	0.0013	mg/kg						
Diisopropyl Ether (DIPE)	ND	0.0050	0.00050	mg/kg						
Diethyl tert-Butyl Ether (ETBE)	ND	0.0050	0.00058	mg/kg						
Methyl-tert-butyl Ether (MTBE)	ND	0.0050	0.0010	mg/kg						
tert-Amyl Methyl Ether (TAME)	ND	0.0050	0.00064	mg/kg						
t-Butanol (TBA)	ND	0.10	0.010	mg/kg						
Surrogate: 4-Bromofluorobenzene	0.0481			mg/kg	0.0500		96	80-120		
Surrogate: Dibromofluoromethane	0.0504			mg/kg	0.0500		101	80-125		
Surrogate: Toluene-d8	0.0538			mg/kg	0.0500		108	80-120		

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Report Number: IUA0229

Sampled: 01/04/11

Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
LCS Analyzed: 01/05/2011 (11A0322-BS1)											
Benzene	0.0548	0.0020	0.00050	mg/kg	0.0500		110	65-120			
Bromobenzene	0.0557	0.0050	0.00084	mg/kg	0.0500		111	75-120			
Bromochloromethane	0.0552	0.0050	0.00090	mg/kg	0.0500		110	70-135			
Bromodichloromethane	0.0584	0.0020	0.00050	mg/kg	0.0500		117	70-135			
Bromoform	0.0469	0.0050	0.00080	mg/kg	0.0500		94	55-135			
Bromomethane	0.0555	0.0050	0.00092	mg/kg	0.0500		111	60-145			
n-Butylbenzene	0.0518	0.0050	0.00072	mg/kg	0.0500		104	70-130			
sec-Butylbenzene	0.0561	0.0050	0.00067	mg/kg	0.0500		112	70-125			
tert-Butylbenzene	0.0571	0.0050	0.00062	mg/kg	0.0500		114	70-125			
Carbon tetrachloride	0.0579	0.0050	0.00050	mg/kg	0.0500		116	65-140			
Chlorobenzene	0.0492	0.0020	0.00052	mg/kg	0.0500		98	75-120			
Chloroethane	0.0503	0.0050	0.0015	mg/kg	0.0500		101	60-140			
Chloroform	0.0528	0.0020	0.00050	mg/kg	0.0500		106	70-130			
Chloromethane	0.0452	0.0050	0.0010	mg/kg	0.0500		90	45-145			
2-Chlorotoluene	0.0541	0.0050	0.00087	mg/kg	0.0500		108	70-125			
4-Chlorotoluene	0.0548	0.0050	0.00074	mg/kg	0.0500		110	75-125			
1,2-Dibromo-3-chloropropane	0.0627	0.0050	0.0015	mg/kg	0.0500		125	50-135			
Dibromochloromethane	0.0510	0.0020	0.00070	mg/kg	0.0500		102	65-140			
1,2-Dibromoethane (EDB)	0.0552	0.0020	0.00080	mg/kg	0.0500		110	70-130			
Dibromomethane	0.0564	0.0020	0.00090	mg/kg	0.0500		113	70-130			
1,2-Dichlorobenzene	0.0536	0.0020	0.00095	mg/kg	0.0500		107	75-120			
1,3-Dichlorobenzene	0.0543	0.0020	0.00084	mg/kg	0.0500		109	75-125			
1,4-Dichlorobenzene	0.0522	0.0020	0.00094	mg/kg	0.0500		104	75-120			
Dichlorodifluoromethane	0.0406	0.0050	0.0015	mg/kg	0.0500		81	35-160			
1,1-Dichloroethane	0.0536	0.0020	0.00050	mg/kg	0.0500		107	70-130			
1,2-Dichloroethane	0.0596	0.0020	0.00080	mg/kg	0.0500		119	60-140			
1,1-Dichloroethene	0.0557	0.0050	0.00060	mg/kg	0.0500		111	70-125			
cis-1,2-Dichloroethene	0.0578	0.0020	0.00083	mg/kg	0.0500		116	70-125			
trans-1,2-Dichloroethene	0.0556	0.0020	0.00070	mg/kg	0.0500		111	70-125			
1,2-Dichloropropane	0.0554	0.0020	0.00080	mg/kg	0.0500		111	70-130			
1,3-Dichloropropane	0.0540	0.0020	0.00063	mg/kg	0.0500		108	70-125			
2,2-Dichloropropane	0.0604	0.0020	0.00060	mg/kg	0.0500		121	60-145			
cis-1,3-Dichloropropene	0.0617	0.0020	0.00044	mg/kg	0.0500		123	75-125			
trans-1,3-Dichloropropene	0.0663	0.0020	0.00061	mg/kg	0.0500		133	70-135			
1,1-Dichloropropene	0.0566	0.0020	0.00040	mg/kg	0.0500		113	70-130			

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
CS Analyzed: 01/05/2011 (11A0322-BS1)											
Ethylbenzene	0.0509	0.0020	0.00050	mg/kg	0.0500		102	70-125			
Hexachlorobutadiene	0.0532	0.0050	0.00080	mg/kg	0.0500		106	60-135			
Isopropylbenzene	0.0536	0.0020	0.00054	mg/kg	0.0500		107	75-130			
Isopropyltoluene	0.0566	0.0020	0.00072	mg/kg	0.0500		113	75-125			
Methylene chloride	0.0507	0.0020	0.00065	mg/kg	0.0500		101	55-135			
o-Phthalene	0.0598	0.0050	0.0011	mg/kg	0.0500		120	55-135			
Propylbenzene	0.0558	0.0020	0.00061	mg/kg	0.0500		112	70-130			
Styrene	0.0552	0.0020	0.00058	mg/kg	0.0500		110	75-130			
1,1,1,2-Tetrachloroethane	0.0533	0.0050	0.00057	mg/kg	0.0500		107	70-130			
1,1,2,2-Tetrachloroethane	0.0602	0.0020	0.00086	mg/kg	0.0500		120	55-140			
Trichloroethene	0.0500	0.0020	0.00049	mg/kg	0.0500		100	70-125			
Toluene	0.0541	0.0020	0.00050	mg/kg	0.0500		108	70-125			
1,3-Trichlorobenzene	0.0556	0.0050	0.0010	mg/kg	0.0500		111	60-130			
1,4-Trichlorobenzene	0.0563	0.0050	0.0010	mg/kg	0.0500		113	70-135			
1,1,1-Trichloroethane	0.0595	0.0020	0.00070	mg/kg	0.0500		119	65-135			
1,1,2-Trichloroethane	0.0572	0.0020	0.00087	mg/kg	0.0500		114	65-135			
Trichloroethene	0.0520	0.0020	0.00050	mg/kg	0.0500		104	70-125			
Trichlorofluoromethane	0.0573	0.0050	0.00054	mg/kg	0.0500		115	60-145			
1,2,3-Trichloropropane	0.0597	0.010	0.0010	mg/kg	0.0500		119	60-135			
1,4-Trimethylbenzene	0.0569	0.0020	0.00078	mg/kg	0.0500		114	70-125			
1,3,5-Trimethylbenzene	0.0573	0.0020	0.00063	mg/kg	0.0500		115	70-125			
Vinyl chloride	0.0532	0.0050	0.00091	mg/kg	0.0500		106	55-135			
p-Xylenes	0.106	0.0020	0.00080	mg/kg	0.100		106	70-125			
Xylene	0.0544	0.0020	0.00050	mg/kg	0.0500		109	70-125			
Xylenes, Total	0.161	0.0040	0.0013	mg/kg	0.150		107	70-125			
Di-isopropyl Ether (DIPE)	0.0515	0.0050	0.00050	mg/kg	0.0500		103	60-140			
Di-tert-Butyl Ether (DTBE)	0.0559	0.0050	0.00058	mg/kg	0.0500		112	60-140			
Methyl-tert-butyl Ether (MTBE)	0.0621	0.0050	0.0010	mg/kg	0.0500		124	60-140			
tert-Amyl Methyl Ether (TAME)	0.0635	0.0050	0.00064	mg/kg	0.0500		127	60-145			
t-Butanol (TBA)	0.237	0.10	0.010	mg/kg	0.250		95	70-135			
Surrogate: 4-Bromofluorobenzene	0.0482			mg/kg	0.0500		96	80-120			
Surrogate: Dibromofluoromethane	0.0513			mg/kg	0.0500		103	80-125			
Surrogate: Toluene-d8	0.0536			mg/kg	0.0500		107	80-120			

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
Matrix Spike Analyzed: 01/05/2011 (11A0322-MS1)					Source: IUA0229-01					
Benzene	0.0536	0.0020	0.00049	mg/kg	0.0493	ND	109	65-130		
Bromobenzene	0.0533	0.0049	0.00083	mg/kg	0.0493	ND	108	65-140		
Bromochloromethane	0.0520	0.0049	0.00089	mg/kg	0.0493	ND	106	65-145		
Bromodichloromethane	0.0572	0.0020	0.00049	mg/kg	0.0493	ND	116	65-145		
Bromoform	0.0448	0.0049	0.00079	mg/kg	0.0493	ND	91	50-145		
Bromomethane	0.0506	0.0049	0.00091	mg/kg	0.0493	ND	103	60-155		
n-Butylbenzene	0.0493	0.0049	0.00071	mg/kg	0.0493	ND	100	55-145		
sec-Butylbenzene	0.0538	0.0049	0.00066	mg/kg	0.0493	ND	109	60-135		
tert-Butylbenzene	0.0557	0.0049	0.00061	mg/kg	0.0493	ND	113	60-140		
Carbon tetrachloride	0.0575	0.0049	0.00049	mg/kg	0.0493	ND	117	60-145		
Chlorobenzene	0.0478	0.0020	0.00051	mg/kg	0.0493	ND	97	70-130		
Chloroethane	0.0477	0.0049	0.0015	mg/kg	0.0493	ND	97	60-150		
Chloroform	0.0502	0.0020	0.00049	mg/kg	0.0493	ND	102	65-135		
Chloromethane	0.0429	0.0049	0.00099	mg/kg	0.0493	ND	87	40-145		
2-Chlorotoluene	0.0526	0.0049	0.00086	mg/kg	0.0493	ND	107	60-135		
4-Chlorotoluene	0.0526	0.0049	0.00073	mg/kg	0.0493	ND	107	65-135		
1,2-Dibromo-3-chloropropane	0.0600	0.0049	0.0015	mg/kg	0.0493	ND	122	40-150		
Dibromochloromethane	0.0493	0.0020	0.00069	mg/kg	0.0493	ND	100	60-145		
1,2-Dibromoethane (EDB)	0.0532	0.0020	0.00079	mg/kg	0.0493	ND	108	65-140		
Dibromomethane	0.0552	0.0020	0.00089	mg/kg	0.0493	ND	112	65-140		
1,2-Dichlorobenzene	0.0510	0.0020	0.00094	mg/kg	0.0493	ND	103	70-130		
1,3-Dichlorobenzene	0.0527	0.0020	0.00083	mg/kg	0.0493	ND	107	70-130		
1,4-Dichlorobenzene	0.0505	0.0020	0.00093	mg/kg	0.0493	ND	102	70-130		
Dichlorodifluoromethane	0.0387	0.0049	0.0015	mg/kg	0.0493	ND	79	30-160		
1,1-Dichloroethane	0.0508	0.0020	0.00049	mg/kg	0.0493	ND	103	65-135		
1,2-Dichloroethane	0.0578	0.0020	0.00079	mg/kg	0.0493	ND	117	60-150		
1,1-Dichloroethene	0.0534	0.0049	0.00059	mg/kg	0.0493	ND	108	65-135		
cis-1,2-Dichloroethene	0.0549	0.0020	0.00082	mg/kg	0.0493	ND	111	65-135		
trans-1,2-Dichloroethene	0.0533	0.0020	0.00069	mg/kg	0.0493	ND	108	70-135		
1,2-Dichloropropane	0.0536	0.0020	0.00079	mg/kg	0.0493	ND	109	65-130		
1,3-Dichloropropane	0.0522	0.0020	0.00062	mg/kg	0.0493	ND	106	65-140		
2,2-Dichloropropane	0.0590	0.0020	0.00059	mg/kg	0.0493	ND	120	65-150		
cis-1,3-Dichloropropene	0.0600	0.0020	0.00043	mg/kg	0.0493	ND	122	70-135		
trans-1,3-Dichloropropene	0.0648	0.0020	0.00060	mg/kg	0.0493	ND	131	60-145		
1,1-Dichloropropene	0.0559	0.0020	0.00039	mg/kg	0.0493	ND	113	65-135		

TestAmerica Irvine

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Project Manager

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
Matrix Spike Analyzed: 01/05/2011 (11A0322-MS1)						Source: IUA0229-01					
Methylbenzene	0.0497	0.0020	0.00049	mg/kg	0.0493	ND	101	70-135			
Hexachlorobutadiene	0.0451	0.0049	0.00079	mg/kg	0.0493	ND	91	50-145			
Propylbenzene	0.0520	0.0020	0.00053	mg/kg	0.0493	ND	105	70-145			
Isopropyltoluene	0.0549	0.0020	0.00071	mg/kg	0.0493	ND	111	60-140			
Methylene chloride	0.0490	0.020	0.0064	mg/kg	0.0493	ND	99	55-145			
1,3-Diisobutylbenzene	0.0555	0.0049	0.0011	mg/kg	0.0493	ND	112	40-150			
Propylbenzene	0.0541	0.0020	0.00060	mg/kg	0.0493	ND	110	65-140			
Styrene	0.0528	0.0020	0.00057	mg/kg	0.0493	ND	107	70-140			
1,1,1,2-Tetrachloroethane	0.0508	0.0049	0.00056	mg/kg	0.0493	ND	103	65-145			
1,2,2-Tetrachloroethane	0.0582	0.0020	0.00085	mg/kg	0.0493	ND	118	40-160			
1,2-Dichloroethane	0.0500	0.0020	0.00048	mg/kg	0.0493	ND	101	65-135			
Toluene	0.0535	0.0020	0.00049	mg/kg	0.0493	ND	108	70-130			
1,3-Trichlorobenzene	0.0500	0.0049	0.00099	mg/kg	0.0493	ND	101	45-145			
1,4-Trichlorobenzene	0.0507	0.0049	0.00099	mg/kg	0.0493	ND	103	50-140			
1,1,1-Trichloroethane	0.0563	0.0020	0.00069	mg/kg	0.0493	ND	114	65-145			
1,1,2-Trichloroethane	0.0562	0.0020	0.00086	mg/kg	0.0493	ND	114	65-140			
1,1-Dichloroethane	0.0505	0.0020	0.00049	mg/kg	0.0493	ND	102	65-140			
1,1-Dichlorofluoromethane	0.0547	0.0049	0.00053	mg/kg	0.0493	ND	111	55-155			
1,2,3-Trichloropropane	0.0577	0.0099	0.00099	mg/kg	0.0493	ND	117	50-150			
1,4-Trimethylbenzene	0.0549	0.0020	0.00077	mg/kg	0.0493	ND	111	65-140			
1,5-Trimethylbenzene	0.0551	0.0020	0.00062	mg/kg	0.0493	ND	112	65-135			
Vinyl chloride	0.0515	0.0049	0.00090	mg/kg	0.0493	ND	104	55-140			
p-Xylenes	0.104	0.0020	0.00079	mg/kg	0.0986	ND	105	70-130			
Xylene	0.0525	0.0020	0.00049	mg/kg	0.0493	ND	107	65-130			
Xylenes, Total	0.157	0.0039	0.0013	mg/kg	0.148	ND	106	70-125			
Di-isopropyl Ether (DIPE)	0.0478	0.0049	0.00049	mg/kg	0.0493	ND	97	60-150			
Di-tert-Butyl Ether (DTBE)	0.0526	0.0049	0.00057	mg/kg	0.0493	ND	107	60-145			
Methyl-tert-butyl Ether (MTBE)	0.0586	0.0049	0.00099	mg/kg	0.0493	ND	119	55-155			
tert-Amyl Methyl Ether (TAME)	0.0594	0.0049	0.00063	mg/kg	0.0493	ND	121	60-150			
t-Butanol (TBA)	0.231	0.099	0.0099	mg/kg	0.247	ND	94	65-145			
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0493		96	80-120			
Surrogate: Dibromofluoromethane	0.0496			mg/kg	0.0493		101	80-125			
Surrogate: Toluene-d8	0.0538			mg/kg	0.0493		109	80-120			

TestAmerica Irvine

Lena Davidkova
Project Manager

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11

Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	Data Limit	Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
Matrix Spike Dup Analyzed: 01/05/2011 (11A0322-MSD1)						Source: IUA0229-01					
Benzene	0.0516	0.0020	0.00050	mg/kg	0.0495	ND	104	65-130	4	20	
Bromobenzene	0.0528	0.0050	0.00083	mg/kg	0.0495	ND	107	65-140	0.9	25	
Bromochloromethane	0.0513	0.0050	0.00089	mg/kg	0.0495	ND	104	65-145	1	25	
Bromodichloromethane	0.0546	0.0020	0.00050	mg/kg	0.0495	ND	110	65-145	5	20	
Bromoform	0.0437	0.0050	0.00079	mg/kg	0.0495	ND	88	50-145	3	30	
Bromomethane	0.0503	0.0050	0.00091	mg/kg	0.0495	ND	102	60-155	0.6	25	
n-Butylbenzene	0.0470	0.0050	0.00071	mg/kg	0.0495	ND	95	55-145	5	30	
sec-Butylbenzene	0.0511	0.0050	0.00066	mg/kg	0.0495	ND	103	60-135	5	25	
tert-Butylbenzene	0.0533	0.0050	0.00061	mg/kg	0.0495	ND	108	60-140	4	25	
Carbon tetrachloride	0.0551	0.0050	0.00050	mg/kg	0.0495	ND	111	60-145	4	25	
Chlorobenzene	0.0466	0.0020	0.00051	mg/kg	0.0495	ND	94	70-130	2	25	
Chloroethane	0.0454	0.0050	0.0015	mg/kg	0.0495	ND	92	60-150	5	25	
Chloroform	0.0489	0.0020	0.00050	mg/kg	0.0495	ND	99	65-135	3	20	
Chloromethane	0.0416	0.0050	0.00099	mg/kg	0.0495	ND	84	40-145	3	25	
2-Chlorotoluene	0.0510	0.0050	0.00086	mg/kg	0.0495	ND	103	60-135	3	25	
4-Chlorotoluene	0.0510	0.0050	0.00073	mg/kg	0.0495	ND	103	65-135	3	25	
1,2-Dibromo-3-chloropropane	0.0579	0.0050	0.0015	mg/kg	0.0495	ND	117	40-150	4	30	
Dibromochloromethane	0.0473	0.0020	0.00069	mg/kg	0.0495	ND	96	60-145	4	25	
1,2-Dibromoethane (EDB)	0.0521	0.0020	0.00079	mg/kg	0.0495	ND	105	65-140	2	25	
Dibromomethane	0.0537	0.0020	0.00089	mg/kg	0.0495	ND	108	65-140	3	25	
1,2-Dichlorobenzene	0.0495	0.0020	0.00094	mg/kg	0.0495	ND	100	70-130	3	25	
1,3-Dichlorobenzene	0.0506	0.0020	0.00083	mg/kg	0.0495	ND	102	70-130	4	25	
1,4-Dichlorobenzene	0.0484	0.0020	0.00093	mg/kg	0.0495	ND	98	70-130	4	25	
Dichlorodifluoromethane	0.0371	0.0050	0.0015	mg/kg	0.0495	ND	75	30-160	4	35	
1,1-Dichloroethane	0.0494	0.0020	0.00050	mg/kg	0.0495	ND	100	65-135	3	25	
1,2-Dichloroethane	0.0505	0.0020	0.00079	mg/kg	0.0495	ND	102	60-150	14	25	
1,1-Dichloroethene	0.0505	0.0050	0.00059	mg/kg	0.0495	ND	102	65-135	6	25	
cis-1,2-Dichloroethene	0.0532	0.0020	0.00082	mg/kg	0.0495	ND	107	65-135	3	25	
trans-1,2-Dichloroethene	0.0515	0.0020	0.00069	mg/kg	0.0495	ND	104	70-135	3	25	
1,2-Dichloropropane	0.0527	0.0020	0.00079	mg/kg	0.0495	ND	106	65-130	2	20	
1,3-Dichloropropane	0.0516	0.0020	0.00062	mg/kg	0.0495	ND	104	65-140	1	25	
2,2-Dichloropropane	0.0580	0.0020	0.00059	mg/kg	0.0495	ND	117	65-150	2	25	
cis-1,3-Dichloropropene	0.0574	0.0020	0.00044	mg/kg	0.0495	ND	116	70-135	4	25	
trans-1,3-Dichloropropene	0.0623	0.0020	0.00060	mg/kg	0.0495	ND	126	60-145	4	25	
1,1-Dichloropropene	0.0541	0.0020	0.00040	mg/kg	0.0495	ND	109	65-135	3	20	

TestAmerica Irvine

Lena Davidkova
Project Manager

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Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
Matrix Spike Dup Analyzed: 01/05/2011 (11A0322-MSD1)					Source: IUA0229-01					
Ethylbenzene	0.0479	0.0020	0.00050	mg/kg	0.0495	ND	97	70-135	4	25
Hexachlorobutadiene	0.0425	0.0050	0.00079	mg/kg	0.0495	ND	86	50-145	6	35
Isopropylbenzene	0.0503	0.0020	0.00053	mg/kg	0.0495	ND	102	70-145	3	25
Isopropyltoluene	0.0525	0.0020	0.00071	mg/kg	0.0495	ND	106	60-140	4	25
Methylene chloride	0.0464	0.020	0.0064	mg/kg	0.0495	ND	94	55-145	6	25
1,2-Naphthalene	0.0526	0.0050	0.0011	mg/kg	0.0495	ND	106	40-150	5	40
Propylbenzene	0.0522	0.0020	0.00060	mg/kg	0.0495	ND	105	65-140	4	25
Styrene	0.0516	0.0020	0.00057	mg/kg	0.0495	ND	104	70-140	2	25
1,1,1,2-Tetrachloroethane	0.0496	0.0050	0.00056	mg/kg	0.0495	ND	100	65-145	2	20
1,2,2-Tetrachloroethane	0.0566	0.0020	0.00085	mg/kg	0.0495	ND	114	40-160	3	30
1,1,2-Trichloroethane	0.0479	0.0020	0.00049	mg/kg	0.0495	ND	97	65-135	4	25
Toluene	0.0512	0.0020	0.00050	mg/kg	0.0495	ND	103	70-130	4	20
1,2,3-Trichlorobenzene	0.0479	0.0050	0.00099	mg/kg	0.0495	ND	97	45-145	4	30
2,4-Trichlorobenzene	0.0489	0.0050	0.00099	mg/kg	0.0495	ND	99	50-140	4	30
1,1,1-Trichloroethane	0.0562	0.0020	0.00069	mg/kg	0.0495	ND	113	65-145	0.2	20
1,1,2-Trichloroethane	0.0531	0.0020	0.00086	mg/kg	0.0495	ND	107	65-140	6	30
1,1,1-Trichloroethane	0.0492	0.0020	0.00050	mg/kg	0.0495	ND	99	65-140	3	25
1,1,1-Trichlorofluoromethane	0.0524	0.0050	0.00053	mg/kg	0.0495	ND	106	55-155	4	25
1,2,3-Trichloropropane	0.0559	0.0099	0.00099	mg/kg	0.0495	ND	113	50-150	3	30
1,2,4-Trimethylbenzene	0.0535	0.0020	0.00077	mg/kg	0.0495	ND	108	65-140	2	25
1,3,5-Trimethylbenzene	0.0532	0.0020	0.00062	mg/kg	0.0495	ND	108	65-135	3	25
Vinyl chloride	0.0494	0.0050	0.00090	mg/kg	0.0495	ND	100	55-140	4	30
m,p-Xylenes	0.101	0.0020	0.00079	mg/kg	0.0990	ND	102	70-130	3	25
Xylene	0.0512	0.0020	0.00050	mg/kg	0.0495	ND	103	65-130	3	25
Xylenes, Total	0.152	0.0040	0.0013	mg/kg	0.149	ND	102	70-125	3	25
Di-isopropyl Ether (DIPE)	0.0467	0.0050	0.00050	mg/kg	0.0495	ND	94	60-150	2	25
tert-Butyl Ether (ETBE)	0.0514	0.0050	0.00057	mg/kg	0.0495	ND	104	60-145	2	30
Methyl-tert-butyl Ether (MTBE)	0.0563	0.0050	0.00099	mg/kg	0.0495	ND	114	55-155	4	35
tert-Amyl Methyl Ether (TAME)	0.0581	0.0050	0.00063	mg/kg	0.0495	ND	117	60-150	2	25
tert-Butanol (TBA)	0.225	0.099	0.0099	mg/kg	0.248	ND	91	65-145	3	30
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0495		95	80-120		
Surrogate: Dibromofluoromethane	0.0492			mg/kg	0.0495		99	80-125		
Surrogate: Toluene-d8	0.0536			mg/kg	0.0495		108	80-120		

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0431 Extracted: 01/05/11											
Blank Analyzed: 01/06/2011 (11A0431-BLK1)											
Mercury	ND	0.020	0.012	mg/kg							
LCS Analyzed: 01/06/2011 (11A0431-BS1)											
Mercury	0.832	0.020	0.012	mg/kg	0.800		104	80-120			
Matrix Spike Analyzed: 01/06/2011 (11A0431-MS1)											
						Source: ITL2759-34					
Mercury	0.799	0.020	0.012	mg/kg	0.800	0.0175	98	70-130			
Matrix Spike Dup Analyzed: 01/06/2011 (11A0431-MSD1)											
						Source: ITL2759-34					
Mercury	0.781	0.020	0.012	mg/kg	0.800	0.0175	95	70-130	2	20	
Batch: 11A0451 Extracted: 01/05/11											
Blank Analyzed: 01/06/2011 (11A0451-BLK1)											
Antimony	ND	9.9	0.87	mg/kg							
Arsenic	ND	2.0	0.80	mg/kg							
Barium	ND	0.99	0.79	mg/kg							
Beryllium	ND	0.50	0.20	mg/kg							
Cadmium	ND	0.50	0.20	mg/kg							
Chromium	ND	0.99	0.30	mg/kg							
Cobalt	ND	0.99	0.30	mg/kg							
Copper	ND	2.0	0.38	mg/kg							
Lead	ND	2.0	0.50	mg/kg							
Molybdenum	ND	2.0	0.20	mg/kg							
Nickel	ND	2.0	0.20	mg/kg							
Selenium	1.53	2.0	0.99	mg/kg							J
Silver	ND	0.99	0.79	mg/kg							
Thallium	ND	9.9	0.79	mg/kg							
Vanadium	ND	0.99	0.30	mg/kg							
Zinc	ND	5.0	0.74	mg/kg							

TestAmerica Irvine

Lena Davidkova
 Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0451 Extracted: 01/05/11											
CS Analyzed: 01/06/2011 (11A0451-BS1)											
Antimony	51.0	9.9	0.87	mg/kg	49.5		103	80-120			
Arsenic	50.3	2.0	0.80	mg/kg	49.5		102	80-120			
Barium	51.7	0.99	0.79	mg/kg	49.5		105	80-120			
Beryllium	50.9	0.50	0.20	mg/kg	49.5		103	80-120			
Cadmium	49.5	0.50	0.20	mg/kg	49.5		100	80-120			
Chromium	51.9	0.99	0.30	mg/kg	49.5		105	80-120			
Cobalt	49.0	0.99	0.30	mg/kg	49.5		99	80-120			
Copper	53.0	2.0	0.38	mg/kg	49.5		107	80-120			
Lead	42.9	2.0	0.50	mg/kg	49.5		87	80-120			
Molybdenum	49.3	2.0	0.20	mg/kg	49.5		100	80-120			
Nickel	50.7	2.0	0.20	mg/kg	49.5		102	80-120			
Selenium	48.6	2.0	0.99	mg/kg	49.5		98	80-120			
Silver	24.0	0.99	0.79	mg/kg	24.8		97	80-120			
Thallium	50.5	9.9	0.79	mg/kg	49.5		102	80-120			
Vanadium	51.3	0.99	0.30	mg/kg	49.5		104	80-120			
Zinc	47.5	5.0	0.74	mg/kg	49.5		96	80-120			
Matrix Spike Analyzed: 01/06/2011 (11A0451-MS1)											
						Source: IUA0340-01					
Antimony	42.9	50	4.4	mg/kg	50.3	ND	85	75-125			J
Arsenic	37.2	10	4.1	mg/kg	50.3	ND	74	75-125			M2
Barium	54.1	5.0	4.0	mg/kg	50.3	13.2	81	75-125			
Beryllium	42.9	2.5	1.0	mg/kg	50.3	ND	85	75-125			
Cadmium	40.8	2.5	1.0	mg/kg	50.3	ND	81	75-125			
Chromium	46.4	5.0	1.5	mg/kg	50.3	4.77	83	75-125			
Cobalt	44.6	5.0	1.5	mg/kg	50.3	4.80	79	75-125			
Copper	51.2	10	1.9	mg/kg	50.3	8.79	84	75-125			
Lead	121	10	2.5	mg/kg	50.3	69.9	102	75-125			
Molybdenum	34.4	10	1.0	mg/kg	50.3	ND	68	75-125			M2
Nickel	43.8	10	1.0	mg/kg	50.3	2.79	82	75-125			
Selenium	38.6	10	5.0	mg/kg	50.3	ND	77	75-125			
Silver	18.4	5.0	4.0	mg/kg	25.1	ND	73	75-125			M2
Thallium	38.1	50	4.0	mg/kg	50.3	ND	76	75-125			J
Vanadium	45.6	5.0	1.5	mg/kg	50.3	2.11	87	75-125			
Zinc	148	25	3.8	mg/kg	50.3	118	60	75-125			M2

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0451 Extracted: 01/05/11											
Matrix Spike Dup Analyzed: 01/06/2011 (11A0451-MSD1)						Source: IUA0340-01					
Antimony	42.1	50	4.4	mg/kg	49.5	ND	85	75-125	2	20	J
Arsenic	38.9	9.9	4.0	mg/kg	49.5	ND	78	75-125	4	20	
Barium	64.3	5.0	4.0	mg/kg	49.5	13.2	103	75-125	17	20	
Beryllium	41.1	2.5	0.99	mg/kg	49.5	ND	83	75-125	4	20	
Cadmium	40.1	2.5	0.99	mg/kg	49.5	ND	81	75-125	2	20	
Chromium	43.0	5.0	1.5	mg/kg	49.5	4.77	77	75-125	7	20	
Cobalt	39.5	5.0	1.5	mg/kg	49.5	4.80	70	75-125	12	20	M2
Copper	47.2	9.9	1.9	mg/kg	49.5	8.79	78	75-125	8	20	
Lead	64.2	9.9	2.5	mg/kg	49.5	69.9	-12	75-125	62	20	M2, R-3
Molybdenum	34.4	9.9	0.99	mg/kg	49.5	ND	69	75-125	0.1	20	M2
Nickel	41.2	9.9	0.99	mg/kg	49.5	2.79	78	75-125	6	20	
Selenium	28.7	9.9	5.0	mg/kg	49.5	ND	58	75-125	30	20	M2, R-3
Silver	18.7	5.0	4.0	mg/kg	24.8	ND	75	75-125	1	20	
Thallium	37.9	5.0	4.0	mg/kg	49.5	ND	77	75-125	0.7	20	J
Vanadium	43.2	5.0	1.5	mg/kg	49.5	2.11	83	75-125	6	20	
Zinc	117	25	3.7	mg/kg	49.5	118	-2	75-125	24	20	M2, R-3

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R-3** The RPD exceeded the acceptance limit due to sample matrix effects.
- Z2** Surrogate recovery was above the acceptance limits. Data not impacted.
- 5X** 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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0229

Sampled: 01/04/11
Received: 01/04/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6010B	Soil	X	X
EPA 7471A	Soil	X	X
EPA 8015 Mod.	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X
TPH by GC/MS	Soil	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

Subcontracted Laboratories

Aquatic Testing Laboratories-SUB California Cert #1775

4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Haz. Waste
Samples: IUA0229-01

TestAmerica Irvine

Lena Davidkova
Project Manager

Chevron Site Number 100-1654		Chevron Site Global ID T060370473		Chevron Site Address 601 S. VAILE AVENUE MONTEBELLO, CA		Chevron PM: John Forsley		Chevron PM Phone No.: (714) 671-3341		Marketing Business Unit (MBU) Job <input type="checkbox"/>		Construction/Retail Job <input type="checkbox"/>		Charge Code: NWRTB 1001654-0-0 WBS NWRTB 00 SITE NUMBER -0- WBS		WBS ELEMENTS: Site Assessment: AIL Remediation Implementation: R&L Site Monitoring: OML Operation Maintenance & Monitoring: M1L		This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.			
Chevron Consultant: Science Applications Intl. Corp. (SAIC) Address: 580 W. Central Ave, Suite 1, Brea, CA 92821 Consultant Contact: STEVE TARGAMIAN Consultant Phone No.: (714) 257-6407 Consultant Project No.: 460103R094.P10.01 Sampling Company: SAIC Sampled By (PRINT): Greg Collins Sampler Signature: <i>[Signature]</i>		Other Lab TEST AMERICA		Temp. Blank Check Time _____ Temp. _____		Lancaster Laboratories Lancaster, PA Lab Contact: Megan Moller Phone No.: (717) 656-2300 Ext. 1246		Sample Time 1130		# of Containers 3		Container Type GLASS JARS		EPA 8260B/GCMS TPH-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> OXYGENATES <input checked="" type="checkbox"/> HVOCA <input checked="" type="checkbox"/> EPA 8015B GRO <input checked="" type="checkbox"/> DRO <input checked="" type="checkbox"/> HC SCREEN <input checked="" type="checkbox"/> EPA 8021B BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na EPA 6010/7000 TITLE 22 METALS <input checked="" type="checkbox"/> STLC <input checked="" type="checkbox"/> EPA 1501 PH <input type="checkbox"/> EPA 3101 ALKALINITY <input type="checkbox"/> SM 2510B SPECIFIC CONDUCTIVITY EPA 4181 TRPH <input type="checkbox"/> EPA 4131 OIL & GREASE <input type="checkbox"/>		ANALYSES REQUIRED		Preservation Codes H = HCl T = Thioufate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other Special Instructions EDF READ TTLIC AND STLC MAY BE RECD DEPENDENT UPON RESULTS		Notes / Comments AQUATIC BIOASSAY U.P.D 11/4/11	
Field Point Name COMP-1		Matrix S		Top Depth 110104		Date 11/01/04		Sample ID		Relinquished To <i>[Signature]</i>		Company SAIC		Date / Time 11/4/11 13:45							
Relinquished By <i>[Signature]</i>		Company SAIC		Date / Time 11/4/11 13:45		Relinquished To <i>[Signature]</i>		Company SAIC		Date / Time 11/01/04 18:45		Relinquished By <i>[Signature]</i>		Company SAIC		Date / Time 11/01/04 18:45					
Relinquished By <i>[Signature]</i>		Company SAIC		Date / Time 11/01/04 18:45		Relinquished To <i>[Signature]</i>		Company SAIC		Date / Time 11/01/04 18:45		Relinquished By <i>[Signature]</i>		Company SAIC		Date / Time 11/01/04 18:45					

22047

LABORATORY REPORT



"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Date: January 10, 2011

Client: TestAmerica, Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Lena Davidkova

Laboratory No.: A-11010505-001
Sample ID.: IUA0229-01

Sample Control: The samples were received by ATL in a chilled state, with the chain of custody record attached.

Date Sampled: 01/04/11
Date Received: 01/05/11
Date Tested: 01/06/11 to 01/10/11

Sample Analysis: The following analyses were performed on your sample:

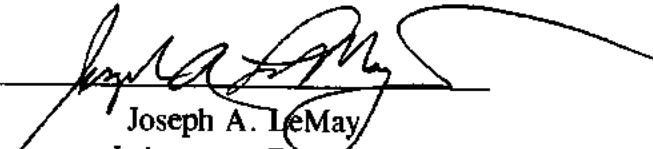
CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).

Attached are the test data generated from the analysis of your sample.

Result Summary:

<u>Sample ID.</u>	<u>Results</u>
IUA0229-01	PASSED (LC50 > 750 mg/l)

Quality Control: Reviewed and approved by:


Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A11010505-001

Client/ID: TA IWA0229-01C

TEST SUMMARY

Species: *Pimephales promelas*.

Fish weight (gm): av: 0.47; min: 0.39; max: 0.55.

Reference Toxicant: SDS conducted monthly.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: none, unless D.O. drops below 5.0 mg/l.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40-48 mg/l CaCO₃).

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL			24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	<u>1-6-11 1030</u>			<u>1-7-11 1030</u>				<u>1-8-11 1100</u>				<u>1-9-11 1100</u>				<u>1-10-11 1030</u>			
Analyst:	<u>Rm</u>			<u>Rm</u>				<u>Rm</u>				<u>Z</u>				<u>Z</u>			
	°C	DO	pH	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	<u>19.5</u>	<u>9.3</u>	<u>7.8</u>	<u>20.4</u>	<u>8.5</u>	<u>7.7</u>	<u>0</u>	<u>20.5</u>	<u>8.7</u>	<u>7.7</u>	<u>0</u>	<u>20.5</u>	<u>8.1</u>	<u>7.8</u>	<u>0</u>	<u>20.5</u>	<u>8.2</u>	<u>7.9</u>	<u>0</u>
Control B	<u>19.4</u>	<u>9.5</u>	<u>7.8</u>	<u>20.7</u>	<u>8.3</u>	<u>7.7</u>	<u>0</u>	<u>20.4</u>	<u>8.4</u>	<u>7.7</u>	<u>0</u>	<u>20.4</u>	<u>8.4</u>	<u>7.8</u>	<u>0</u>	<u>20.4</u>	<u>8.4</u>	<u>7.8</u>	<u>0</u>
400 mg/l A	<u>19.5</u>	<u>9.4</u>	<u>8.0</u>	<u>20.3</u>	<u>8.5</u>	<u>7.8</u>	<u>0</u>	<u>20.4</u>	<u>8.3</u>	<u>7.8</u>	<u>0</u>	<u>20.4</u>	<u>7.6</u>	<u>7.7</u>	<u>0</u>	<u>20.4</u>	<u>7.7</u>	<u>7.7</u>	<u>0</u>
400 mg/l B	<u>19.4</u>	<u>9.5</u>	<u>8.0</u>	<u>20.2</u>	<u>8.6</u>	<u>7.8</u>	<u>0</u>	<u>20.3</u>	<u>8.5</u>	<u>7.8</u>	<u>0</u>	<u>20.3</u>	<u>8.4</u>	<u>7.8</u>	<u>0</u>	<u>20.5</u>	<u>8.4</u>	<u>7.7</u>	<u>0</u>
750 mg/l A	<u>19.3</u>	<u>9.5</u>	<u>8.1</u>	<u>20.1</u>	<u>8.7</u>	<u>7.8</u>	<u>0</u>	<u>20.3</u>	<u>8.7</u>	<u>7.8</u>	<u>0</u>	<u>20.2</u>	<u>8.4</u>	<u>7.8</u>	<u>0</u>	<u>20.1</u>	<u>8.7</u>	<u>7.7</u>	<u>0</u>
750 mg/l B	<u>19.2</u>	<u>9.4</u>	<u>8.1</u>	<u>20.1</u>	<u>8.7</u>	<u>7.8</u>	<u>0</u>	<u>20.2</u>	<u>8.7</u>	<u>7.8</u>	<u>0</u>	<u>20.0</u>	<u>8.6</u>	<u>7.8</u>	<u>0</u>	<u>20.0</u>	<u>8.7</u>	<u>7.7</u>	<u>0</u>

Comments: Extraction method: Mechanical shaking
None (aqueous solution)

Dissolved Oxygen (DO) readings in mg/l O₂. Test Aerated: Yes / No

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness		
Initial	<u>35</u> mg/l CaCO ₃	<u>43</u> mg/l CaCO ₃	<u>35</u> mg/l CaCO ₃	<u>44</u> mg/l CaCO ₃	Control	<u>0</u> /20
Final	<u>36</u> mg/l CaCO ₃	<u>44</u> mg/l CaCO ₃	<u>36</u> mg/l CaCO ₃	<u>45</u> mg/l CaCO ₃	400 mg/l	<u>0</u> /20
					750 mg/l	<u>0</u> /20

RESULTS

(the checked result applies based on fish survival rates)

<input checked="" type="checkbox"/>	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
<input type="checkbox"/>	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
<input type="checkbox"/>	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

SUBCONTRACT ORDER

TestAmerica Irvine

IUA0229

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Lena Davidkova

RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB
4350 Transport Street, Unit 107
Ventura, CA 93003
Phone: (805) 650-0546
Fax: (805) 650-0756
Project Location: California
Receipt Temperature: 3-1 °C Ice: (Y) / N

Analysis Units Due Expires Comments

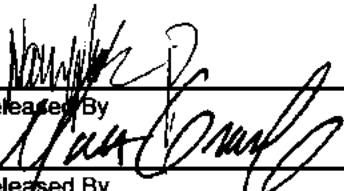

Sample ID: IUA0229-01 (COMP-1-S-110104 - Soil)

Sampled: 01/04/11 11:30

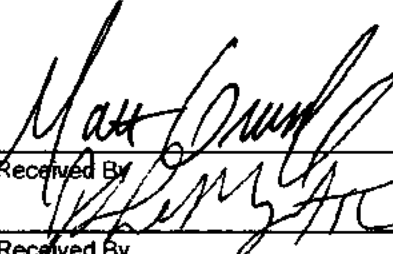
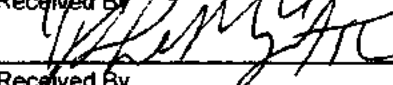
Bioassay-Haz. Waste N/A 01/07/11 01/11/11 11:30

Containers Supplied:

1/2 oz Jar (C)


Released By

Released By

IL-5-11/7:30
Date/Time
IL-5-11/11:45
Date/Time


Received By

Received By
IL-5-11/7:30
Date/Time
IL-5-11:12:45
Date/Time

LABORATORY REPORT

Prepared For: SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project: CVX 100-1654 601 S. Vail Ave.
Montebello, CA

Sampled: 01/04/11
Received: 01/04/11
Issued: 01/10/11 13:43

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 of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID
IUA0230-01

CLIENT ID
COMP-2-S-110104

MATRIX
Soil

Reviewed By:



TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite I
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11

Received: 01/04/11

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0230-01 (COMP-2-S-110104 - Soil)									
Reporting Units: mg/kg									
DRO (C13-C22)	EPA 8015B	11A0353	3.5	5.0	4.8	1	01/05/11	01/05/11	J
RO (C23-C40)	EPA 8015B	11A0353	3.5	5.0	ND	1	01/05/11	01/05/11	
EFH (C13 - C40)	EPA 8015B	11A0353	3.5	5.0	7.3	1	01/05/11	01/05/11	
Surrogate: n-Octacosane (40-140%)					82 %				

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Project Manager

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SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0230-01 (COMP-2-S-110104 - Soil)									
Reporting Units: mg/kg									
GRO (C4 - C12)	EPA 8015 Mod.	11A0355	0.14	0.38	ND	0.962	01/05/11	01/05/11	
Surrogate: 4-BFB (FID) (65-140%)					101 %				

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0230-01 (COMP-2-S-110104 - Soil)									
Reporting Units: mg/kg									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11A0322	0.060	0.099	ND	0.994	01/05/11	01/05/11	
Surrogate: Dibromofluoromethane (80-125%)					105 %				
Surrogate: Toluene-d8 (80-120%)					100 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					98 %				

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Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0230-01 (COMP-2-S-110104 - Soil)									
Reporting Units: mg/kg									
Benzene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Bromobenzene	EPA 8260B	11A0322	0.00083	0.0050	ND	0.994	01/05/11	01/05/11	
Bromochloromethane	EPA 8260B	11A0322	0.00089	0.0050	ND	0.994	01/05/11	01/05/11	
Bromodichloromethane	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Bromoform	EPA 8260B	11A0322	0.00080	0.0050	ND	0.994	01/05/11	01/05/11	
Bromomethane	EPA 8260B	11A0322	0.00091	0.0050	ND	0.994	01/05/11	01/05/11	
n-Butylbenzene	EPA 8260B	11A0322	0.00072	0.0050	ND	0.994	01/05/11	01/05/11	
sec-Butylbenzene	EPA 8260B	11A0322	0.00067	0.0050	ND	0.994	01/05/11	01/05/11	
tert-Butylbenzene	EPA 8260B	11A0322	0.00062	0.0050	ND	0.994	01/05/11	01/05/11	
Carbon tetrachloride	EPA 8260B	11A0322	0.00050	0.0050	ND	0.994	01/05/11	01/05/11	
Chlorobenzene	EPA 8260B	11A0322	0.00052	0.0020	ND	0.994	01/05/11	01/05/11	
Chloroethane	EPA 8260B	11A0322	0.0015	0.0050	ND	0.994	01/05/11	01/05/11	
Chloroform	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Chloromethane	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
2-Chlorotoluene	EPA 8260B	11A0322	0.00086	0.0050	ND	0.994	01/05/11	01/05/11	
4-Chlorotoluene	EPA 8260B	11A0322	0.00074	0.0050	ND	0.994	01/05/11	01/05/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11A0322	0.0015	0.0050	ND	0.994	01/05/11	01/05/11	
Dibromochloromethane	EPA 8260B	11A0322	0.00070	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
Dibromomethane	EPA 8260B	11A0322	0.00089	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dichlorobenzene	EPA 8260B	11A0322	0.00094	0.0020	ND	0.994	01/05/11	01/05/11	
1,3-Dichlorobenzene	EPA 8260B	11A0322	0.00083	0.0020	ND	0.994	01/05/11	01/05/11	
1,4-Dichlorobenzene	EPA 8260B	11A0322	0.00093	0.0020	ND	0.994	01/05/11	01/05/11	
Dichlorodifluoromethane	EPA 8260B	11A0322	0.0015	0.0050	ND	0.994	01/05/11	01/05/11	
1,1-Dichloroethane	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dichloroethane	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
1,1-Dichloroethene	EPA 8260B	11A0322	0.00060	0.0050	ND	0.994	01/05/11	01/05/11	
cis-1,2-Dichloroethene	EPA 8260B	11A0322	0.00083	0.0020	ND	0.994	01/05/11	01/05/11	
trans-1,2-Dichloroethene	EPA 8260B	11A0322	0.00070	0.0020	ND	0.994	01/05/11	01/05/11	
1,2-Dichloropropane	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
1,3-Dichloropropane	EPA 8260B	11A0322	0.00063	0.0020	ND	0.994	01/05/11	01/05/11	
2,2-Dichloropropane	EPA 8260B	11A0322	0.00060	0.0020	ND	0.994	01/05/11	01/05/11	
cis-1,3-Dichloropropene	EPA 8260B	11A0322	0.00044	0.0020	ND	0.994	01/05/11	01/05/11	
trans-1,3-Dichloropropene	EPA 8260B	11A0322	0.00061	0.0020	ND	0.994	01/05/11	01/05/11	C
1,1-Dichloropropene	EPA 8260B	11A0322	0.00040	0.0020	ND	0.994	01/05/11	01/05/11	
Ethylbenzene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
Hexachlorobutadiene	EPA 8260B	11A0322	0.00080	0.0050	ND	0.994	01/05/11	01/05/11	
Isopropylbenzene	EPA 8260B	11A0322	0.00054	0.0020	ND	0.994	01/05/11	01/05/11	
p-Isopropyltoluene	EPA 8260B	11A0322	0.00072	0.0020	ND	0.994	01/05/11	01/05/11	
Methylene chloride	EPA 8260B	11A0322	0.0065	0.020	ND	0.994	01/05/11	01/05/11	
Naphthalene	EPA 8260B	11A0322	0.0011	0.0050	ND	0.994	01/05/11	01/05/11	

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SAIC - Brea - Chevron
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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0230-01 (COMP-2-S-110104 - Soil) - cont.									
Reporting Units: mg/kg									
m-Propylbenzene	EPA 8260B	11A0322	0.00061	0.0020	ND	0.994	01/05/11	01/05/11	
p-Toluenene	EPA 8260B	11A0322	0.00058	0.0020	ND	0.994	01/05/11	01/05/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11A0322	0.00057	0.0050	ND	0.994	01/05/11	01/05/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11A0322	0.00085	0.0020	ND	0.994	01/05/11	01/05/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11A0322	0.00049	0.0020	ND	0.994	01/05/11	01/05/11	
o-Toluene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
1,2,3-Trichlorobenzene	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
2,4-Trichlorobenzene	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
1,1,1-Trichloroethane	EPA 8260B	11A0322	0.00070	0.0020	ND	0.994	01/05/11	01/05/11	
1,1,2-Trichloroethane	EPA 8260B	11A0322	0.00086	0.0020	ND	0.994	01/05/11	01/05/11	
Trichloroethene	EPA 8260B	11A0322	0.00050	0.0020	ND	0.994	01/05/11	01/05/11	
1,1-Dichlorofluoromethane	EPA 8260B	11A0322	0.00054	0.0050	ND	0.994	01/05/11	01/05/11	
1,1,2,3-Trichloropropane	EPA 8260B	11A0322	0.00099	0.0099	ND	0.994	01/05/11	01/05/11	
1,2,4-Trimethylbenzene	EPA 8260B	11A0322	0.00078	0.0020	ND	0.994	01/05/11	01/05/11	
1,3,5-Trimethylbenzene	EPA 8260B	11A0322	0.00063	0.0020	0.00080	0.994	01/05/11	01/05/11	J
Vinyl chloride	EPA 8260B	11A0322	0.00090	0.0050	ND	0.994	01/05/11	01/05/11	
m,p-Xylenes	EPA 8260B	11A0322	0.00080	0.0020	ND	0.994	01/05/11	01/05/11	
o-Xylene	EPA 8260B	11A0322	0.00050	0.0020	0.00099	0.994	01/05/11	01/05/11	J
Xylenes, Total	EPA 8260B	11A0322	0.0013	0.0040	ND	0.994	01/05/11	01/05/11	
Di-isopropyl Ether (DIPE)	EPA 8260B	11A0322	0.00050	0.0050	ND	0.994	01/05/11	01/05/11	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11A0322	0.00058	0.0050	ND	0.994	01/05/11	01/05/11	
tert-butyl tert-butyl Ether (MTBE)	EPA 8260B	11A0322	0.00099	0.0050	ND	0.994	01/05/11	01/05/11	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11A0322	0.00064	0.0050	ND	0.994	01/05/11	01/05/11	
tert-Butanol (TBA)	EPA 8260B	11A0322	0.0099	0.099	ND	0.994	01/05/11	01/05/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					98 %				
Surrogate: Dibromofluoromethane (80-125%)					105 %				
Surrogate: Toluene-d8 (80-120%)					100 %				

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Project Manager

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
 Received: 01/04/11

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA0230-01 (COMP-2-S-110104 - Soil)									
Reporting Units: mg/kg									
Mercury	EPA 7471A	11A0431	0.012	0.020	0.031	1	01/05/11	01/06/11	
Antimony	EPA 6010B	11A0451	0.87	9.9	1.5	0.985	01/05/11	01/06/11	J
Arsenic	EPA 6010B	11A0451	0.80	2.0	14	0.985	01/05/11	01/06/11	
Barium	EPA 6010B	11A0451	0.79	0.99	110	0.985	01/05/11	01/06/11	
Beryllium	EPA 6010B	11A0451	0.20	0.49	0.59	0.985	01/05/11	01/06/11	
Cadmium	EPA 6010B	11A0451	0.20	0.49	ND	0.985	01/05/11	01/06/11	
Chromium	EPA 6010B	11A0451	0.30	0.99	24	0.985	01/05/11	01/06/11	
Cobalt	EPA 6010B	11A0451	0.30	0.99	8.3	0.985	01/05/11	01/06/11	
Copper	EPA 6010B	11A0451	0.37	2.0	15	0.985	01/05/11	01/06/11	
Lead	EPA 6010B	11A0451	0.49	2.0	7.8	0.985	01/05/11	01/06/11	
Molybdenum	EPA 6010B	11A0451	0.20	2.0	0.74	0.985	01/05/11	01/06/11	J
Nickel	EPA 6010B	11A0451	0.20	2.0	14	0.985	01/05/11	01/06/11	
Selenium	EPA 6010B	11A0451	0.99	2.0	ND	0.985	01/05/11	01/06/11	C, B
Silver	EPA 6010B	11A0451	0.79	0.99	ND	0.985	01/05/11	01/06/11	
Thallium	EPA 6010B	11A0451	0.79	9.9	ND	0.985	01/05/11	01/06/11	
Vanadium	EPA 6010B	11A0451	0.30	0.99	48	0.985	01/05/11	01/06/11	
Zinc	EPA 6010B	11A0451	0.74	4.9	37	0.985	01/05/11	01/06/11	

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Sampled: 01/04/11
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POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

Analyte	Units	Sample Result	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	TCLP Max. Limit mg/L (ppm)
UA0230-01 (COMP-2-S-110104 - Soil)					
Mercury	mg/kg	0.031	0.20	20	0.20
Antimony	mg/kg	1.5	15	500	
Arsenic	mg/kg	14	5.0	500	5.0
Barium	mg/kg	110	100	10000	100
Beryllium	mg/kg	0.59	0.75	75	
Cadmium	mg/kg	ND	1.0	100	1.0
Chromium	mg/kg	24	5.0	2500	5.0
Cobalt	mg/kg	8.3	80	8000	
Copper	mg/kg	15	25	2500	
Lead	mg/kg	7.8	5.0	1000	5.0
Molybdenum	mg/kg	0.74	350	3500	
Nickel	mg/kg	14	20	2000	
Selenium	mg/kg	ND	1.0	100	1.0
Silver	mg/kg	ND	5.0	500	5.0
Thallium	mg/kg	ND	7.0	700	
Vanadium	mg/kg	48	24	2400	
Zinc	mg/kg	37	250	5000	

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Received: 01/04/11

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0353 Extracted: 01/05/11											
Blank Analyzed: 01/05/2011 (11A0353-BLK1)											
DRO (C13-C22)	ND	5.0	3.5	mg/kg							
ORO (C23-C40)	ND	5.0	3.5	mg/kg							
EFH (C13 - C40)	ND	5.0	3.5	mg/kg							
EFH (C10 - C28)	ND	5.0	3.5	mg/kg							
Surrogate: n-Octacosane	4.57			mg/kg	6.67		68	40-140			
LCS Analyzed: 01/05/2011 (11A0353-BS1)											
EFH (C10 - C28)	21.2	5.0	3.5	mg/kg	33.3		64	45-115			
Surrogate: n-Octacosane	4.45			mg/kg	6.67		67	40-140			
Matrix Spike Analyzed: 01/05/2011 (11A0353-MS1) Source: IUA0178-01											
EFH (C10 - C28)	21.4	5.0	3.5	mg/kg	33.3	ND	64	40-120			
Surrogate: n-Octacosane	4.51			mg/kg	6.67		68	40-140			
Matrix Spike Dup Analyzed: 01/05/2011 (11A0353-MSD1) Source: IUA0178-01											
EFH (C10 - C28)	24.3	5.0	3.5	mg/kg	33.3	ND	73	40-120	13	30	
Surrogate: n-Octacosane	5.09			mg/kg	6.67		76	40-140			

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Sampled: 01/04/11
 Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0355 Extracted: 01/05/11											
Blank Analyzed: 01/05/2011 (11A0355-BLK1)											
GRO (C4 - C12)	ND	0.40	0.15	mg/kg							
Surrogate: 4-BFB (FID)	0.0217			mg/kg	0.0200		108	65-140			
CS Analyzed: 01/05/2011 (11A0355-BS1)											
GRO (C4 - C12)	1.64	0.40	0.15	mg/kg	1.60		103	70-135			
Surrogate: 4-BFB (FID)	0.0386			mg/kg	0.0200		193	65-140			Z2
Matrix Spike Analyzed: 01/05/2011 (11A0355-MS1) Source: IUA0178-02											
GRO (C4 - C12)	0.508	0.39	0.15	mg/kg	0.427	ND	119	60-140			
Surrogate: 4-BFB (FID)	0.0211			mg/kg	0.0194		109	65-140			
Matrix Spike Dup Analyzed: 01/05/2011 (11A0355-MSD1) Source: IUA0178-02											
GRO (C4 - C12)	0.460	0.38	0.14	mg/kg	0.419	ND	110	60-140	10	30	
Surrogate: 4-BFB (FID)	0.0202			mg/kg	0.0190		106	65-140			

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Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
Blank Analyzed: 01/05/2011 (11A0322-BLK1)											
Volatile Fuel Hydrocarbons (C4-C12)	ND	0.10	0.060	mg/kg							
Surrogate: Dibromofluoromethane	0.0504			mg/kg	0.0500		101	80-125			
Surrogate: Toluene-d8	0.0538			mg/kg	0.0500		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.0481			mg/kg	0.0500		96	80-120			
LCS Analyzed: 01/05/2011 (11A0322-BS2)											
Volatile Fuel Hydrocarbons (C4-C12)	1.18	0.10	0.060	mg/kg	1.00		118	60-135			
Surrogate: Dibromofluoromethane	0.0506			mg/kg	0.0500		101	80-125			
Surrogate: Toluene-d8	0.0537			mg/kg	0.0500		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.0491			mg/kg	0.0500		98	80-120			
Matrix Spike Analyzed: 01/05/2011 (11A0322-MS1) Source: IUA0229-01											
Volatile Fuel Hydrocarbons (C4-C12)	2.43	0.099	0.059	mg/kg	3.40	ND	71	50-140			
Surrogate: Dibromofluoromethane	0.0496			mg/kg	0.0493		101	80-125			
Surrogate: Toluene-d8	0.0538			mg/kg	0.0493		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0493		96	80-120			
Matrix Spike Dup Analyzed: 01/05/2011 (11A0322-MSD1) Source: IUA0229-01											
Volatile Fuel Hydrocarbons (C4-C12)	2.35	0.099	0.059	mg/kg	3.42	ND	69	50-140	3	25	
Surrogate: Dibromofluoromethane	0.0492			mg/kg	0.0495		99	80-125			
Surrogate: Toluene-d8	0.0536			mg/kg	0.0495		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0495		95	80-120			

TestAmerica Irvine

Lena Davidkova
Project Manager

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590 West Central Avenue, Suite 1
Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA
Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
Blank Analyzed: 01/05/2011 (11A0322-BLK1)										
Benzene	ND	0.0020	0.00050	mg/kg						
Bromobenzene	ND	0.0050	0.00084	mg/kg						
Monochloromethane	ND	0.0050	0.00090	mg/kg						
1,1-Dichloromethane	ND	0.0020	0.00050	mg/kg						
Bromoform	ND	0.0050	0.00080	mg/kg						
Dimethylmethane	ND	0.0050	0.00092	mg/kg						
Butylbenzene	ND	0.0050	0.00072	mg/kg						
sec-Butylbenzene	ND	0.0050	0.00067	mg/kg						
tert-Butylbenzene	ND	0.0050	0.00062	mg/kg						
Carbon tetrachloride	ND	0.0050	0.00050	mg/kg						
Chlorobenzene	ND	0.0020	0.00052	mg/kg						
Chloroethane	ND	0.0050	0.0015	mg/kg						
Chloroform	ND	0.0020	0.00050	mg/kg						
Chloromethane	ND	0.0050	0.0010	mg/kg						
2-Chlorotoluene	ND	0.0050	0.00087	mg/kg						
1-Chlorotoluene	ND	0.0050	0.00074	mg/kg						
1,2-Dibromo-3-chloropropane	ND	0.0050	0.0015	mg/kg						
Dibromochloromethane	ND	0.0020	0.00070	mg/kg						
1,2-Dibromoethane (EDB)	ND	0.0020	0.00080	mg/kg						
Bromomethane	ND	0.0020	0.00090	mg/kg						
1,2-Dichlorobenzene	ND	0.0020	0.00095	mg/kg						
1,3-Dichlorobenzene	ND	0.0020	0.00084	mg/kg						
1,4-Dichlorobenzene	ND	0.0020	0.00094	mg/kg						
1,1,1-Trichloroethane	ND	0.0050	0.0015	mg/kg						
1,1-Dichloroethane	ND	0.0020	0.00050	mg/kg						
1,2-Dichloroethane	ND	0.0020	0.00080	mg/kg						
1,1-Dichloroethene	ND	0.0050	0.00060	mg/kg						
cis-1,2-Dichloroethene	ND	0.0020	0.00083	mg/kg						
trans-1,2-Dichloroethene	ND	0.0020	0.00070	mg/kg						
1,2-Dichloropropane	ND	0.0020	0.00080	mg/kg						
1,3-Dichloropropane	ND	0.0020	0.00063	mg/kg						
2,2-Dichloropropane	ND	0.0020	0.00060	mg/kg						
trans-1,3-Dichloropropene	ND	0.0020	0.00044	mg/kg						
cis-1,3-Dichloropropene	ND	0.0020	0.00061	mg/kg						
1,1-Dichloropropene	ND	0.0020	0.00040	mg/kg						

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Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
Blank Analyzed: 01/05/2011 (11A0322-BLK1)										
Ethylbenzene	ND	0.0020	0.00050	mg/kg						
Hexachlorobutadiene	ND	0.0050	0.00080	mg/kg						
Isopropylbenzene	ND	0.0020	0.00054	mg/kg						
p-Isopropyltoluene	ND	0.0020	0.00072	mg/kg						
Methylene chloride	ND	0.020	0.0065	mg/kg						
Naphthalene	ND	0.0050	0.0011	mg/kg						
n-Propylbenzene	ND	0.0020	0.00061	mg/kg						
Styrene	ND	0.0020	0.00058	mg/kg						
1,1,1,2-Tetrachloroethane	ND	0.0050	0.00057	mg/kg						
1,1,2,2-Tetrachloroethane	ND	0.0020	0.00086	mg/kg						
Tetrachloroethene	ND	0.0020	0.00049	mg/kg						
Toluene	ND	0.0020	0.00050	mg/kg						
1,2,3-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,2,4-Trichlorobenzene	ND	0.0050	0.0010	mg/kg						
1,1,1-Trichloroethane	ND	0.0020	0.00070	mg/kg						
1,1,2-Trichloroethane	ND	0.0020	0.00087	mg/kg						
Trichloroethene	ND	0.0020	0.00050	mg/kg						
Trichlorofluoromethane	ND	0.0050	0.00054	mg/kg						
1,2,3-Trichloropropane	ND	0.010	0.0010	mg/kg						
1,2,4-Trimethylbenzene	ND	0.0020	0.00078	mg/kg						
1,3,5-Trimethylbenzene	ND	0.0020	0.00063	mg/kg						
Vinyl chloride	ND	0.0050	0.00091	mg/kg						
m,p-Xylenes	ND	0.0020	0.00080	mg/kg						
o-Xylene	ND	0.0020	0.00050	mg/kg						
Xylenes, Total	ND	0.0040	0.0013	mg/kg						
Di-isopropyl Ether (DIPE)	ND	0.0050	0.00050	mg/kg						
Ethyl tert-Butyl Ether (ETBE)	ND	0.0050	0.00058	mg/kg						
Methyl-tert-butyl Ether (MTBE)	ND	0.0050	0.0010	mg/kg						
tert-Amyl Methyl Ether (TAME)	ND	0.0050	0.00064	mg/kg						
tert-Butanol (TBA)	ND	0.10	0.010	mg/kg						
Surrogate: 4-Bromofluorobenzene	0.0481			mg/kg	0.0500		96	80-120		
Surrogate: Dibromofluoromethane	0.0504			mg/kg	0.0500		101	80-125		
Surrogate: Toluene-d8	0.0538			mg/kg	0.0500		108	80-120		

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Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
CS Analyzed: 01/05/2011 (11A0322-BS1)										
Benzene	0.0548	0.0020	0.00050	mg/kg	0.0500		110 65-120			
Bromobenzene	0.0557	0.0050	0.00084	mg/kg	0.0500		111 75-120			
monochloromethane	0.0552	0.0050	0.00090	mg/kg	0.0500		110 70-135			
dichloromethane	0.0584	0.0020	0.00050	mg/kg	0.0500		117 70-135			
Bromoform	0.0469	0.0050	0.00080	mg/kg	0.0500		94 55-135			
monomethane	0.0555	0.0050	0.00092	mg/kg	0.0500		111 60-145			
Butylbenzene	0.0518	0.0050	0.00072	mg/kg	0.0500		104 70-130			
sec-Butylbenzene	0.0561	0.0050	0.00067	mg/kg	0.0500		112 70-125			
tert-Butylbenzene	0.0571	0.0050	0.00062	mg/kg	0.0500		114 70-125			
Carbon tetrachloride	0.0579	0.0050	0.00050	mg/kg	0.0500		116 65-140			
Chlorobenzene	0.0492	0.0020	0.00052	mg/kg	0.0500		98 75-120			
Chloroethane	0.0503	0.0050	0.0015	mg/kg	0.0500		101 60-140			
chloroform	0.0528	0.0020	0.00050	mg/kg	0.0500		106 70-130			
chloromethane	0.0452	0.0050	0.0010	mg/kg	0.0500		90 45-145			
2-Chlorotoluene	0.0541	0.0050	0.00087	mg/kg	0.0500		108 70-125			
Chlorotoluene	0.0548	0.0050	0.00074	mg/kg	0.0500		110 75-125			
2-Dibromo-3-chloropropane	0.0627	0.0050	0.0015	mg/kg	0.0500		125 50-135			
Dibromochloromethane	0.0510	0.0020	0.00070	mg/kg	0.0500		102 65-140			
1,2-Dibromoethane (EDB)	0.0552	0.0020	0.00080	mg/kg	0.0500		110 70-130			
bromomethane	0.0564	0.0020	0.00090	mg/kg	0.0500		113 70-130			
1,2-Dichlorobenzene	0.0536	0.0020	0.00095	mg/kg	0.0500		107 75-120			
1,3-Dichlorobenzene	0.0543	0.0020	0.00084	mg/kg	0.0500		109 75-125			
1-Dichlorobenzene	0.0522	0.0020	0.00094	mg/kg	0.0500		104 75-120			
chlorodifluoromethane	0.0406	0.0050	0.0015	mg/kg	0.0500		81 35-160			
1,1-Dichloroethane	0.0536	0.0020	0.00050	mg/kg	0.0500		107 70-130			
1,2-Dichloroethane	0.0596	0.0020	0.00080	mg/kg	0.0500		119 60-140			
1-Dichloroethene	0.0557	0.0050	0.00060	mg/kg	0.0500		111 70-125			
cis-1,2-Dichloroethene	0.0578	0.0020	0.00083	mg/kg	0.0500		116 70-125			
trans-1,2-Dichloroethene	0.0556	0.0020	0.00070	mg/kg	0.0500		111 70-125			
2-Dichloropropane	0.0554	0.0020	0.00080	mg/kg	0.0500		111 70-130			
3-Dichloropropane	0.0540	0.0020	0.00063	mg/kg	0.0500		108 70-125			
2,2-Dichloropropane	0.0604	0.0020	0.00060	mg/kg	0.0500		121 60-145			
-1,3-Dichloropropene	0.0617	0.0020	0.00044	mg/kg	0.0500		123 75-125			
ns-1,3-Dichloropropene	0.0663	0.0020	0.00061	mg/kg	0.0500		133 70-135			
1,1-Dichloropropene	0.0566	0.0020	0.00040	mg/kg	0.0500		113 70-130			

TestAmerica Irvine

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
LCS Analyzed: 01/05/2011 (11A0322-BS1)										
Ethylbenzene	0.0509	0.0020	0.00050	mg/kg	0.0500		102 70-125			
Hexachlorobutadiene	0.0532	0.0050	0.00080	mg/kg	0.0500		106 60-135			
Isopropylbenzene	0.0536	0.0020	0.00054	mg/kg	0.0500		107 75-130			
p-Isopropyltoluene	0.0566	0.0020	0.00072	mg/kg	0.0500		113 75-125			
Methylene chloride	0.0507	0.020	0.0065	mg/kg	0.0500		101 55-135			
Naphthalene	0.0598	0.0050	0.0011	mg/kg	0.0500		120 55-135			
n-Propylbenzene	0.0558	0.0020	0.00061	mg/kg	0.0500		112 70-130			
Styrene	0.0552	0.0020	0.00058	mg/kg	0.0500		110 75-130			
1,1,1,2-Tetrachloroethane	0.0533	0.0050	0.00057	mg/kg	0.0500		107 70-130			
1,1,2,2-Tetrachloroethane	0.0602	0.0020	0.00086	mg/kg	0.0500		120 55-140			
Tetrachloroethene	0.0500	0.0020	0.00049	mg/kg	0.0500		100 70-125			
Toluene	0.0541	0.0020	0.00050	mg/kg	0.0500		108 70-125			
1,2,3-Trichlorobenzene	0.0556	0.0050	0.0010	mg/kg	0.0500		111 60-130			
1,2,4-Trichlorobenzene	0.0563	0.0050	0.0010	mg/kg	0.0500		113 70-135			
1,1,1-Trichloroethane	0.0595	0.0020	0.00070	mg/kg	0.0500		119 65-135			
1,1,2-Trichloroethane	0.0572	0.0020	0.00087	mg/kg	0.0500		114 65-135			
Trichloroethene	0.0520	0.0020	0.00050	mg/kg	0.0500		104 70-125			
Trichlorofluoromethane	0.0573	0.0050	0.00054	mg/kg	0.0500		115 60-145			
1,2,3-Trichloropropane	0.0597	0.010	0.0010	mg/kg	0.0500		119 60-135			
1,2,4-Trimethylbenzene	0.0569	0.0020	0.00078	mg/kg	0.0500		114 70-125			
1,3,5-Trimethylbenzene	0.0573	0.0020	0.00063	mg/kg	0.0500		115 70-125			
Vinyl chloride	0.0532	0.0050	0.00091	mg/kg	0.0500		106 55-135			
m,p-Xylenes	0.106	0.0020	0.00080	mg/kg	0.100		106 70-125			
o-Xylene	0.0544	0.0020	0.00050	mg/kg	0.0500		109 70-125			
Xylenes, Total	0.161	0.0040	0.0013	mg/kg	0.150		107 70-125			
Di-isopropyl Ether (DIPE)	0.0515	0.0050	0.00050	mg/kg	0.0500		103 60-140			
Ethyl tert-Butyl Ether (ETBE)	0.0559	0.0050	0.00058	mg/kg	0.0500		112 60-140			
Methyl-tert-butyl Ether (MTBE)	0.0621	0.0050	0.0010	mg/kg	0.0500		124 60-140			
tert-Amyl Methyl Ether (TAME)	0.0635	0.0050	0.00064	mg/kg	0.0500		127 60-145			
tert-Butanol (TBA)	0.237	0.10	0.010	mg/kg	0.250		95 70-135			
Surrogate: 4-Bromofluorobenzene	0.0482			mg/kg	0.0500		96 80-120			
Surrogate: Dibromofluoromethane	0.0513			mg/kg	0.0500		103 80-125			
Surrogate: Toluene-d8	0.0536			mg/kg	0.0500		107 80-120			

TestAmerica Irvine

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11										
Matrix Spike Analyzed: 01/05/2011 (11A0322-MS1)										
Source: IUA0229-01										
Benzene	0.0536	0.0020	0.00049	mg/kg	0.0493	ND	109	65-130		
Bromobenzene	0.0533	0.0049	0.00083	mg/kg	0.0493	ND	108	65-140		
monochloromethane	0.0520	0.0049	0.00089	mg/kg	0.0493	ND	106	65-145		
dichloromethane	0.0572	0.0020	0.00049	mg/kg	0.0493	ND	116	65-145		
Bromoform	0.0448	0.0049	0.00079	mg/kg	0.0493	ND	91	50-145		
monomethane	0.0506	0.0049	0.00091	mg/kg	0.0493	ND	103	60-155		
Butylbenzene	0.0493	0.0049	0.00071	mg/kg	0.0493	ND	100	55-145		
sec-Butylbenzene	0.0538	0.0049	0.00066	mg/kg	0.0493	ND	109	60-135		
tert-Butylbenzene	0.0557	0.0049	0.00061	mg/kg	0.0493	ND	113	60-140		
Carbon tetrachloride	0.0575	0.0049	0.00049	mg/kg	0.0493	ND	117	60-145		
Chlorobenzene	0.0478	0.0020	0.00051	mg/kg	0.0493	ND	97	70-130		
Chloroethane	0.0477	0.0049	0.0015	mg/kg	0.0493	ND	97	60-150		
Chloroform	0.0502	0.0020	0.00049	mg/kg	0.0493	ND	102	65-135		
Chloromethane	0.0429	0.0049	0.00099	mg/kg	0.0493	ND	87	40-145		
2-Chlorotoluene	0.0526	0.0049	0.00086	mg/kg	0.0493	ND	107	60-135		
Chlorotoluene	0.0526	0.0049	0.00073	mg/kg	0.0493	ND	107	65-135		
2-Dibromo-3-chloropropane	0.0600	0.0049	0.0015	mg/kg	0.0493	ND	122	40-150		
Dibromochloromethane	0.0493	0.0020	0.00069	mg/kg	0.0493	ND	100	60-145		
1,2-Dibromoethane (EDB)	0.0532	0.0020	0.00079	mg/kg	0.0493	ND	108	65-140		
Bromomethane	0.0552	0.0020	0.00089	mg/kg	0.0493	ND	112	65-140		
1,2-Dichlorobenzene	0.0510	0.0020	0.00094	mg/kg	0.0493	ND	103	70-130		
1,3-Dichlorobenzene	0.0527	0.0020	0.00083	mg/kg	0.0493	ND	107	70-130		
4-Dichlorobenzene	0.0505	0.0020	0.00093	mg/kg	0.0493	ND	102	70-130		
Dichlorodifluoromethane	0.0387	0.0049	0.0015	mg/kg	0.0493	ND	79	30-160		
1,1-Dichloroethane	0.0508	0.0020	0.00049	mg/kg	0.0493	ND	103	65-135		
2-Dichloroethane	0.0578	0.0020	0.00079	mg/kg	0.0493	ND	117	60-150		
1-Dichloroethene	0.0534	0.0049	0.00059	mg/kg	0.0493	ND	108	65-135		
cis-1,2-Dichloroethene	0.0549	0.0020	0.00082	mg/kg	0.0493	ND	111	65-135		
trans-1,2-Dichloroethene	0.0533	0.0020	0.00069	mg/kg	0.0493	ND	108	70-135		
2-Dichloropropane	0.0536	0.0020	0.00079	mg/kg	0.0493	ND	109	65-130		
3-Dichloropropane	0.0522	0.0020	0.00062	mg/kg	0.0493	ND	106	65-140		
2,2-Dichloropropane	0.0590	0.0020	0.00059	mg/kg	0.0493	ND	120	65-150		
1,3-Dichloropropene	0.0600	0.0020	0.00043	mg/kg	0.0493	ND	122	70-135		
trans-1,3-Dichloropropene	0.0648	0.0020	0.00060	mg/kg	0.0493	ND	131	60-145		
1,1-Dichloropropene	0.0559	0.0020	0.00039	mg/kg	0.0493	ND	113	65-135		

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
Matrix Spike Analyzed: 01/05/2011 (11A0322-MS1)						Source: IUA0229-01					
Ethylbenzene	0.0497	0.0020	0.00049	mg/kg	0.0493	ND	101	70-135			
Hexachlorobutadiene	0.0451	0.0049	0.00079	mg/kg	0.0493	ND	91	50-145			
Isopropylbenzene	0.0520	0.0020	0.00053	mg/kg	0.0493	ND	105	70-145			
p-Isopropyltoluene	0.0549	0.0020	0.00071	mg/kg	0.0493	ND	111	60-140			
Methylene chloride	0.0490	0.020	0.0064	mg/kg	0.0493	ND	99	55-145			
Naphthalene	0.0555	0.0049	0.0011	mg/kg	0.0493	ND	112	40-150			
n-Propylbenzene	0.0541	0.0020	0.00060	mg/kg	0.0493	ND	110	65-140			
Styrene	0.0528	0.0020	0.00057	mg/kg	0.0493	ND	107	70-140			
1,1,1,2-Tetrachloroethane	0.0508	0.0049	0.00056	mg/kg	0.0493	ND	103	65-145			
1,1,2,2-Tetrachloroethane	0.0582	0.0020	0.00085	mg/kg	0.0493	ND	118	40-160			
Tetrachloroethene	0.0500	0.0020	0.00048	mg/kg	0.0493	ND	101	65-135			
Toluene	0.0535	0.0020	0.00049	mg/kg	0.0493	ND	108	70-130			
1,2,3-Trichlorobenzene	0.0500	0.0049	0.00099	mg/kg	0.0493	ND	101	45-145			
1,2,4-Trichlorobenzene	0.0507	0.0049	0.00099	mg/kg	0.0493	ND	103	50-140			
1,1,1-Trichloroethane	0.0563	0.0020	0.00069	mg/kg	0.0493	ND	114	65-145			
1,1,2-Trichloroethane	0.0562	0.0020	0.00086	mg/kg	0.0493	ND	114	65-140			
Trichloroethene	0.0505	0.0020	0.00049	mg/kg	0.0493	ND	102	65-140			
Trichlorofluoromethane	0.0547	0.0049	0.00053	mg/kg	0.0493	ND	111	55-155			
1,2,3-Trichloropropane	0.0577	0.0099	0.00099	mg/kg	0.0493	ND	117	50-150			
1,2,4-Trimethylbenzene	0.0549	0.0020	0.00077	mg/kg	0.0493	ND	111	65-140			
1,3,5-Trimethylbenzene	0.0551	0.0020	0.00062	mg/kg	0.0493	ND	112	65-135			
Vinyl chloride	0.0515	0.0049	0.00090	mg/kg	0.0493	ND	104	55-140			
m,p-Xylenes	0.104	0.0020	0.00079	mg/kg	0.0986	ND	105	70-130			
o-Xylene	0.0525	0.0020	0.00049	mg/kg	0.0493	ND	107	65-130			
Xylenes, Total	0.157	0.0039	0.0013	mg/kg	0.148	ND	106	70-125			
Di-isopropyl Ether (DIPE)	0.0478	0.0049	0.00049	mg/kg	0.0493	ND	97	60-150			
Ethyl tert-Butyl Ether (ETBE)	0.0526	0.0049	0.00057	mg/kg	0.0493	ND	107	60-145			
Methyl-tert-butyl Ether (MTBE)	0.0586	0.0049	0.00099	mg/kg	0.0493	ND	119	55-155			
tert-Amyl Methyl Ether (TAME)	0.0594	0.0049	0.00063	mg/kg	0.0493	ND	121	60-150			
tert-Butanol (TBA)	0.231	0.099	0.0099	mg/kg	0.247	ND	94	65-145			
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0493		96	80-120			
Surrogate: Dibromofluoromethane	0.0496			mg/kg	0.0493		101	80-125			
Surrogate: Toluene-d8	0.0538			mg/kg	0.0493		109	80-120			

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
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Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
Matrix Spike Dup Analyzed: 01/05/2011 (11A0322-MSD1)						Source: IUA0229-01					
Benzene	0.0516	0.0020	0.00050	mg/kg	0.0495	ND	104	65-130	4	20	
Bromobenzene	0.0528	0.0050	0.00083	mg/kg	0.0495	ND	107	65-140	0.9	25	
monochloromethane	0.0513	0.0050	0.00089	mg/kg	0.0495	ND	104	65-145	1	25	
dichloromethane	0.0546	0.0020	0.00050	mg/kg	0.0495	ND	110	65-145	5	20	
Bromoform	0.0437	0.0050	0.00079	mg/kg	0.0495	ND	88	50-145	3	30	
monomethane	0.0503	0.0050	0.00091	mg/kg	0.0495	ND	102	60-155	0.6	25	
Butylbenzene	0.0470	0.0050	0.00071	mg/kg	0.0495	ND	95	55-145	5	30	
sec-Butylbenzene	0.0511	0.0050	0.00066	mg/kg	0.0495	ND	103	60-135	5	25	
tert-Butylbenzene	0.0533	0.0050	0.00061	mg/kg	0.0495	ND	108	60-140	4	25	
Carbon tetrachloride	0.0551	0.0050	0.00050	mg/kg	0.0495	ND	111	60-145	4	25	
Chlorobenzene	0.0466	0.0020	0.00051	mg/kg	0.0495	ND	94	70-130	2	25	
Chloroethane	0.0454	0.0050	0.0015	mg/kg	0.0495	ND	92	60-150	5	25	
chloroform	0.0489	0.0020	0.00050	mg/kg	0.0495	ND	99	65-135	3	20	
chloromethane	0.0416	0.0050	0.00099	mg/kg	0.0495	ND	84	40-145	3	25	
2-Chlorotoluene	0.0510	0.0050	0.00086	mg/kg	0.0495	ND	103	60-135	3	25	
Chlorotoluene	0.0510	0.0050	0.00073	mg/kg	0.0495	ND	103	65-135	3	25	
1,2-Dibromo-3-chloropropane	0.0579	0.0050	0.0015	mg/kg	0.0495	ND	117	40-150	4	30	
Dibromochloromethane	0.0473	0.0020	0.00069	mg/kg	0.0495	ND	96	60-145	4	25	
1,2-Dibromoethane (EDB)	0.0521	0.0020	0.00079	mg/kg	0.0495	ND	105	65-140	2	25	
bromomethane	0.0537	0.0020	0.00089	mg/kg	0.0495	ND	108	65-140	3	25	
1,2-Dichlorobenzene	0.0495	0.0020	0.00094	mg/kg	0.0495	ND	100	70-130	3	25	
1,3-Dichlorobenzene	0.0506	0.0020	0.00083	mg/kg	0.0495	ND	102	70-130	4	25	
1-Dichlorobenzene	0.0484	0.0020	0.00093	mg/kg	0.0495	ND	98	70-130	4	25	
chlorodifluoromethane	0.0371	0.0050	0.0015	mg/kg	0.0495	ND	75	30-160	4	35	
1,1-Dichloroethane	0.0494	0.0020	0.00050	mg/kg	0.0495	ND	100	65-135	3	25	
1,2-Dichloroethane	0.0505	0.0020	0.00079	mg/kg	0.0495	ND	102	60-150	14	25	
1-Dichloroethene	0.0505	0.0050	0.00059	mg/kg	0.0495	ND	102	65-135	6	25	
cis-1,2-Dichloroethene	0.0532	0.0020	0.00082	mg/kg	0.0495	ND	107	65-135	3	25	
trans-1,2-Dichloroethene	0.0515	0.0020	0.00069	mg/kg	0.0495	ND	104	70-135	3	25	
1,2-Dichloropropane	0.0527	0.0020	0.00079	mg/kg	0.0495	ND	106	65-130	2	20	
1,2-Dichloropropane	0.0516	0.0020	0.00062	mg/kg	0.0495	ND	104	65-140	1	25	
2,2-Dichloropropane	0.0580	0.0020	0.00059	mg/kg	0.0495	ND	117	65-150	2	25	
1,3-Dichloropropene	0.0574	0.0020	0.00044	mg/kg	0.0495	ND	116	70-135	4	25	
trans-1,3-Dichloropropene	0.0623	0.0020	0.00060	mg/kg	0.0495	ND	126	60-145	4	25	
1,1-Dichloropropene	0.0541	0.0020	0.00040	mg/kg	0.0495	ND	109	65-135	3	20	

TestAmerica Irvine

Lena Davidkova
Project Manager

SAIC - Brea - Chevron
590 West Central Avenue, Suite 1
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Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA
Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0322 Extracted: 01/05/11											
Matrix Spike Dup Analyzed: 01/05/2011 (11A0322-MSD1)						Source: IUA0229-01					
Ethylbenzene	0.0479	0.0020	0.00050	mg/kg	0.0495	ND	97	70-135	4	25	
Hexachlorobutadiene	0.0425	0.0050	0.00079	mg/kg	0.0495	ND	86	50-145	6	35	
Isopropylbenzene	0.0503	0.0020	0.00053	mg/kg	0.0495	ND	102	70-145	3	25	
p-Isopropyltoluene	0.0525	0.0020	0.00071	mg/kg	0.0495	ND	106	60-140	4	25	
Methylene chloride	0.0464	0.020	0.0064	mg/kg	0.0495	ND	94	55-145	6	25	
Naphthalene	0.0526	0.0050	0.0011	mg/kg	0.0495	ND	106	40-150	5	40	
n-Propylbenzene	0.0522	0.0020	0.00060	mg/kg	0.0495	ND	105	65-140	4	25	
Styrene	0.0516	0.0020	0.00057	mg/kg	0.0495	ND	104	70-140	2	25	
1,1,1,2-Tetrachloroethane	0.0496	0.0050	0.00056	mg/kg	0.0495	ND	100	65-145	2	20	
1,1,2,2-Tetrachloroethane	0.0566	0.0020	0.00085	mg/kg	0.0495	ND	114	40-160	3	30	
Tetrachloroethene	0.0479	0.0020	0.00049	mg/kg	0.0495	ND	97	65-135	4	25	
Toluene	0.0512	0.0020	0.00050	mg/kg	0.0495	ND	103	70-130	4	20	
1,2,3-Trichlorobenzene	0.0479	0.0050	0.00099	mg/kg	0.0495	ND	97	45-145	4	30	
1,2,4-Trichlorobenzene	0.0489	0.0050	0.00099	mg/kg	0.0495	ND	99	50-140	4	30	
1,1,1-Trichloroethane	0.0562	0.0020	0.00069	mg/kg	0.0495	ND	113	65-145	0.2	20	
1,1,2-Trichloroethane	0.0531	0.0020	0.00086	mg/kg	0.0495	ND	107	65-140	6	30	
Trichloroethene	0.0492	0.0020	0.00050	mg/kg	0.0495	ND	99	65-140	3	25	
Trichlorofluoromethane	0.0524	0.0050	0.00053	mg/kg	0.0495	ND	106	55-155	4	25	
1,2,3-Trichloropropane	0.0559	0.0099	0.00099	mg/kg	0.0495	ND	113	50-150	3	30	
1,2,4-Trimethylbenzene	0.0535	0.0020	0.00077	mg/kg	0.0495	ND	108	65-140	2	25	
1,3,5-Trimethylbenzene	0.0532	0.0020	0.00062	mg/kg	0.0495	ND	108	65-135	3	25	
Vinyl chloride	0.0494	0.0050	0.00090	mg/kg	0.0495	ND	100	55-140	4	30	
m,p-Xylenes	0.101	0.0020	0.00079	mg/kg	0.0990	ND	102	70-130	3	25	
o-Xylene	0.0512	0.0020	0.00050	mg/kg	0.0495	ND	103	65-130	3	25	
Xylenes, Total	0.152	0.0040	0.0013	mg/kg	0.149	ND	102	70-125	3	25	
Di-isopropyl Ether (DIPE)	0.0467	0.0050	0.00050	mg/kg	0.0495	ND	94	60-150	2	25	
Ethyl tert-Butyl Ether (ETBE)	0.0514	0.0050	0.00057	mg/kg	0.0495	ND	104	60-145	2	30	
Methyl-tert-butyl Ether (MTBE)	0.0563	0.0050	0.00099	mg/kg	0.0495	ND	114	55-155	4	35	
tert-Amyl Methyl Ether (TAME)	0.0581	0.0050	0.00063	mg/kg	0.0495	ND	117	60-150	2	25	
tert-Butanol (TBA)	0.225	0.099	0.0099	mg/kg	0.248	ND	91	65-145	3	30	
Surrogate: 4-Bromofluorobenzene	0.0472			mg/kg	0.0495		95	80-120			
Surrogate: Dibromofluoromethane	0.0492			mg/kg	0.0495		99	80-125			
Surrogate: Toluene-d8	0.0536			mg/kg	0.0495		108	80-120			

TestAmerica Irvine

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Project Manager

SAIC - Brea - Chevron
 590 West Central Avenue, Suite 1
 Brea, CA 92821-3034
 Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
 Received: 01/04/11

METHOD BLANK/QC DATA

METALS

analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0431 Extracted: 01/05/11											
Blank Analyzed: 01/06/2011 (11A0431-BLK1)											
Mercury	ND	0.020	0.012	mg/kg							
MS Analyzed: 01/06/2011 (11A0431-BS1)											
Mercury	0.832	0.020	0.012	mg/kg	0.800		104	80-120			
Matrix Spike Analyzed: 01/06/2011 (11A0431-MS1)											
						Source: ITL2759-34					
Mercury	0.799	0.020	0.012	mg/kg	0.800	0.0175	98	70-130			
Matrix Spike Dup Analyzed: 01/06/2011 (11A0431-MSD1)											
						Source: ITL2759-34					
Mercury	0.781	0.020	0.012	mg/kg	0.800	0.0175	95	70-130	2	20	
Batch: 11A0451 Extracted: 01/05/11											
Blank Analyzed: 01/06/2011 (11A0451-BLK1)											
Antimony	ND	9.9	0.87	mg/kg							
Arsenic	ND	2.0	0.80	mg/kg							
Barium	ND	0.99	0.79	mg/kg							
Beryllium	ND	0.50	0.20	mg/kg							
Bismuth	ND	0.50	0.20	mg/kg							
Chromium	ND	0.99	0.30	mg/kg							
Cobalt	ND	0.99	0.30	mg/kg							
Copper	ND	2.0	0.38	mg/kg							
Lead	ND	2.0	0.50	mg/kg							
Molybdenum	ND	2.0	0.20	mg/kg							
Nickel	ND	2.0	0.20	mg/kg							
Selenium	1.53	2.0	0.99	mg/kg							J
Silver	ND	0.99	0.79	mg/kg							
Sulfur	ND	9.9	0.79	mg/kg							
Tin	ND	0.99	0.30	mg/kg							
Zinc	ND	5.0	0.74	mg/kg							

TestAmerica Irvine

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
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Batch: 11A0451 Extracted: 01/05/11

LCS Analyzed: 01/06/2011 (11A0451-BS1)

Antimony	51.0	9.9	0.87	mg/kg	49.5		103	80-120			
Arsenic	50.3	2.0	0.80	mg/kg	49.5		102	80-120			
Barium	51.7	0.99	0.79	mg/kg	49.5		105	80-120			
Beryllium	50.9	0.50	0.20	mg/kg	49.5		103	80-120			
Cadmium	49.5	0.50	0.20	mg/kg	49.5		100	80-120			
Chromium	51.9	0.99	0.30	mg/kg	49.5		105	80-120			
Cobalt	49.0	0.99	0.30	mg/kg	49.5		99	80-120			
Copper	53.0	2.0	0.38	mg/kg	49.5		107	80-120			
Lead	42.9	2.0	0.50	mg/kg	49.5		87	80-120			
Molybdenum	49.3	2.0	0.20	mg/kg	49.5		100	80-120			
Nickel	50.7	2.0	0.20	mg/kg	49.5		102	80-120			
Selenium	48.6	2.0	0.99	mg/kg	49.5		98	80-120			
Silver	24.0	0.99	0.79	mg/kg	24.8		97	80-120			
Thallium	50.5	9.9	0.79	mg/kg	49.5		102	80-120			
Vanadium	51.3	0.99	0.30	mg/kg	49.5		104	80-120			
Zinc	47.5	5.0	0.74	mg/kg	49.5		96	80-120			

Matrix Spike Analyzed: 01/06/2011 (11A0451-MS1)

Source: IUA0340-01

Antimony	42.9	50	4.4	mg/kg	50.3	ND	85	75-125			J
Arsenic	37.2	10	4.1	mg/kg	50.3	ND	74	75-125			M2
Barium	54.1	5.0	4.0	mg/kg	50.3	13.2	81	75-125			
Beryllium	42.9	2.5	1.0	mg/kg	50.3	ND	85	75-125			
Cadmium	40.8	2.5	1.0	mg/kg	50.3	ND	81	75-125			
Chromium	46.4	5.0	1.5	mg/kg	50.3	4.77	83	75-125			
Cobalt	44.6	5.0	1.5	mg/kg	50.3	4.80	79	75-125			
Copper	51.2	10	1.9	mg/kg	50.3	8.79	84	75-125			
Lead	121	10	2.5	mg/kg	50.3	69.9	102	75-125			
Molybdenum	34.4	10	1.0	mg/kg	50.3	ND	68	75-125			M2
Nickel	43.8	10	1.0	mg/kg	50.3	2.79	82	75-125			
Selenium	38.6	10	5.0	mg/kg	50.3	ND	77	75-125			
Silver	18.4	5.0	4.0	mg/kg	25.1	ND	73	75-125			M2
Thallium	38.1	50	4.0	mg/kg	50.3	ND	76	75-125			J
Vanadium	45.6	5.0	1.5	mg/kg	50.3	2.11	87	75-125			
Zinc	148	25	3.8	mg/kg	50.3	118	60	75-125			M2

TestAmerica Irvine

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Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
 Received: 01/04/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11A0451 Extracted: 01/05/11											
Matrix Spike Dup Analyzed: 01/06/2011 (11A0451-MSD1)						Source: IUA0340-01					
Antimony	42.1	50	4.4	mg/kg	49.5	ND	85	75-125	2	20	J
Arsenic	38.9	9.9	4.0	mg/kg	49.5	ND	78	75-125	4	20	
Barium	64.3	5.0	4.0	mg/kg	49.5	13.2	103	75-125	17	20	
Beryllium	41.1	2.5	0.99	mg/kg	49.5	ND	83	75-125	4	20	
Cadmium	40.1	2.5	0.99	mg/kg	49.5	ND	81	75-125	2	20	
Chromium	43.0	5.0	1.5	mg/kg	49.5	4.77	77	75-125	7	20	
Cobalt	39.5	5.0	1.5	mg/kg	49.5	4.80	70	75-125	12	20	M2
Copper	47.2	9.9	1.9	mg/kg	49.5	8.79	78	75-125	8	20	
Lead	64.2	9.9	2.5	mg/kg	49.5	69.9	-12	75-125	62	20	M2, R-3
Molybdenum	34.4	9.9	0.99	mg/kg	49.5	ND	69	75-125	0.1	20	M2
Nickel	41.2	9.9	0.99	mg/kg	49.5	2.79	78	75-125	6	20	
Selenium	28.7	9.9	5.0	mg/kg	49.5	ND	58	75-125	30	20	M2, R-3
Silver	18.7	5.0	4.0	mg/kg	24.8	ND	75	75-125	1	20	
Sodium	37.9	50	4.0	mg/kg	49.5	ND	77	75-125	0.7	20	J
Vanadium	43.2	5.0	1.5	mg/kg	49.5	2.11	83	75-125	6	20	
Zinc	117	25	3.7	mg/kg	49.5	118	-2	75-125	24	20	M2, R-3

TestAmerica Irvine

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 Project Manager

SAIC - Brea - Chevron
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Brea, CA 92821-3034
Attention: Steve Targanyan

Project ID: CVX 100-1654 601 S. Vail Ave. Montebello, CA

Report Number: IUA0230

Sampled: 01/04/11
Received: 01/04/11

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R-3** The RPD exceeded the acceptance limit due to sample matrix effects.
- Z2** Surrogate recovery was above the acceptance limits. Data not impacted.
- 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 Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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

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

SAIC - Brea - Chevron
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Sampled: 01/04/11

Received: 01/04/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6010B	Soil	X	X
EPA 7471A	Soil	X	X
EPA 8015 Mod.	Soil	X	X
EPA 8015B	Soil	X	X
EPA 8260B	Soil	X	X
TPH by GC/MS	Soil	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

Subcontracted Laboratories

Aquatic Testing Laboratories-SUB California Cert #1775

4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Haz. Waste

Samples: IUA0230-01

TestAmerica Irvine

Lena Davidkova
Project Manager

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard, Suite 400 ■ Brea, CA 92821

COC

of

→ JAG 50

Chevron Site Number 100-1654
 Chevron Site Global ID T060370473
 Chevron Site Address 601 S. VAIL AVENUE
MUNTEBELLO, CA
 Chevron PM: John PORSLEY
 Chevron PM Phone No.: (714) 671-3341
 Marketing Business Unit (MBU) Job
 Construction/Retail Job
 Charge Code: NWRTB 10016540
NWRTB 00 SITE NUMBER -0- WBS
 WBS ELEMENTS:
 Site Assessment: AIL Remediation Implementation: REL
 Site Monitoring: OML Operation Maintenance & Monitoring: M1L
 This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.

Chevron Consultant: Science Applications Int. Corp. (SAIC)
 Address: 590 W. Central Ave, Suite 1, Brea, CA 92821
 Consultant Contact: STEVE TARGAMYAN
 Consultant Phone No.: (714) 257-4270
 Consultant Project No.: 46010RB094.P1001
 Sampling Company: SAIC
 Sampled By (PRINT): Greg Collins
 Sampler Signature: [Signature]
 Sampler: Lancaster Laboratories
 Other Lab: TEST AMERICA
 Temp. Blank Check Time: _____ Temp: _____
 Lancaster, PA
 Lab Contact: Megan Mueller
 Phone No.: (717) 656-2300
 Ext. 1246

Field Point Name	SAMPLE ID			Sample Time	# of Containers	Container Type	Date / Time	Company	Date / Time	Standard	Turnaround Time (TAT)	Notes / Comments
	Matrix	Top Depth	Date (yyymmdd)									
COMP - 2	S		110104	3	GLASS JARS					<input checked="" type="checkbox"/> EPA 8260B/GCMS <input checked="" type="checkbox"/> PH-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> OXYGENATES <input checked="" type="checkbox"/> HVOC <input checked="" type="checkbox"/> EPA 8015B GRO IN DROU <input checked="" type="checkbox"/> OROZ <input checked="" type="checkbox"/> MC SCREEN <input checked="" type="checkbox"/> EPA 8021B STEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na <input checked="" type="checkbox"/> EPA 6010/7000 TITLE 22 METALS <input checked="" type="checkbox"/> * TMLC <input checked="" type="checkbox"/> * STLC <input checked="" type="checkbox"/> EPA 1501 PH <input checked="" type="checkbox"/> EPA 3101 ALKALINITY <input checked="" type="checkbox"/> SM 2510B SPECIFIC CONDUCTIVITY <input checked="" type="checkbox"/> EPA 4181 TRPH <input checked="" type="checkbox"/> EPA 4131 OIL & GREASE	Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other Special Instructions EOP REQD * TTLC AND STLC MAY BE REQD DEPENDENT UPON RESULTS	
										<input type="checkbox"/> Standard <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other		
Relinquished By	Company	Date / Time	Relinquished To	Company	Date / Time	Relinquished By	Company	Date / Time	Relinquished To	Company	Date / Time	Sample Integrity: (Check by lab on arrival) Custody Seals Intact: On Ice: Temp: .00
<u>[Signature]</u>	SAIC	1/4/11 1845	<u>[Signature]</u>	TAS	11/04/11 1845							22042

LABORATORY REPORT



"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Date: January 10, 2011
Client: TestAmerica, Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Lena Davidkova

Laboratory No.: A-11010506-001
Sample ID.: IUA0230-01

Sample Control: The samples were received by ATL in a chilled state, with the chain of custody record attached.

Date Sampled: 01/04/11
Date Received: 01/05/11
Date Tested: 01/06/11 to 01/10/11

Sample Analysis: The following analyses were performed on your sample:
CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).
Attached are the test data generated from the analysis of your sample.

Result Summary:

<u>Sample ID.</u>	<u>Results</u>
IUA0230-01	PASSED (LC50 > 750 mg/l)

Quality Control: Reviewed and approved by:


Joseph A. LeMay
Laboratory Director

**FATHEAD MINNOW HAZARDOUS WASTE
SCREEN BIOASSAY**



Lab No.: A11010506-001

Client/ID: TA IUA0230-01C

TEST SUMMARY

Species: *Pimephales promelas*.
 Fish weight (gm): av: 0.42; min: 0.39; max: 0.55.
 Reference Toxicant: SDS conducted monthly.
 Test chamber volume: 10 liters.
 Temperature: 20 +/- 2°C.
 Aeration: none, unless D.O. drops below 5.0 mg/l.
 Number of replicates: 2.
 Dilution water: Soft reconstituted water (40-48 mg/l CaCO₃).

Source: In-Lab Culture.
 Regulations: CCR Title 22.
 Test Protocol: California F&G/DHS 1988.
 Endpoints: Survival at 96 hrs.
 Test type: Static.
 Feeding: None.
 Number of fish per chamber: 10.
 Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Date/Time:	1-6-11 1030				1-7-11 1030				1-8-11 1100				1-9-11 1100				1-10-11 1030			
Analyst:	Rm				Rm				Rm				J				J			
Control A	19.5	9.3	7.8	0	20.4	8.5	7.7	0	20.5	8.7	7.7	0	20.5	8.1	7.8	0	20.5	8.3	7.9	0
Control B	19.4	9.5	7.8	0	20.3	8.3	7.7	0	20.4	8.4	7.7	0	20.4	8.4	7.8	0	20.4	8.4	7.8	0
400 mg/l A	19.4	9.4	8.0	0	20.4	8.2	7.7	0	20.4	8.3	7.8	0	20.4	8.1	7.8	0	20.4	8.1	7.8	0
400 mg/l B	19.3	9.3	8.0	0	20.3	8.3	7.7	0	20.4	8.2	7.8	0	20.4	8.3	7.8	0	20.1	8.3	7.7	0
750 mg/l A	19.2	9.3	8.1	0	20.2	8.6	7.7	0	20.3	8.5	7.8	0	20.3	8.4	7.8	0	20.2	8.5	7.7	0
750 mg/l B	19.1	9.5	8.1	0	20.2	8.5	7.7	0	20.3	8.5	7.8	0	20.2	8.5	7.8	0	20.0	8.6	7.7	0

Comments: Extraction method: Mechanical shaking ✓
 None (aqueous solution) ✓
 Dissolved Oxygen (DO) readings in mg/l O₂. Test Aerated: (Yes) No

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness		
Initial	35 mg/l CaCO ₃	43 mg/l CaCO ₃	35 mg/l CaCO ₃	44 mg/l CaCO ₃	Control	0 /20
Final	36 mg/l CaCO ₃	44 mg/l CaCO ₃	36 mg/l CaCO ₃	45 mg/l CaCO ₃	400 mg/l	0 /20
					750 mg/l	0 /20

RESULTS (the checked result applies based on fish survival rates)		
<u>✓</u>	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
<u>NA</u>	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
<u>NA</u>	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

SUBCONTRACT ORDER

TestAmerica Irvine

IUA0230

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Lena Davidkova

RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB
4350 Transport Street, Unit 107
Ventura, CA 93003
Phone: (805) 650-0546
Fax: (805) 650-0756
Project Location: California
Receipt Temperature: 5.1 °C

Ice: (Y) / N

Analysis	Units	Due	Expires	Comments
----------	-------	-----	---------	----------

Sample ID: IUA0230-01 (COMP-2-S-110104 - Soil)

Sampled: 01/04/11 11:45

Bioassay-Haz. Waste N/A 01/07/11 01/11/11 11:45

Containers Supplied:

4, 3 oz Jar (C)

Released By: [Signature]
Received By: [Signature]

1-5-11 7:30
Date/Time
1-5-11 11:45
Date/Time

Received By: [Signature]
Received By: [Signature]

1-5-11 7:30
Date/Time
1-5-11 11:45
Date/Time

ATTACHMENT G

**THE LOS ANGELES DEPARTMENT OF PUBLIC WORKS CLOSURE
REPORT REQUIREMENTS FORM**


**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL PROGRAMS DIVISION**

CLOSURE REPORT REQUIREMENTS

A closure report shall be submitted to the County of Los Angeles Department of Public Works, Environmental Programs Division, P.O. Box 1460, Alhambra, California 91802-1460, containing:

1. File number of facility and closure permit number.
2. Plot plan to scale showing locations of tanks, sampling points, buildings, adjacent streets, and north arrow.
3. Description of methods for obtaining, handling, and transporting samples.
4. Time and date samples were obtained.
5. Soil sampling certification (including but not limited to soils classification, boring logs, sample procedures; sample locations, initiating chain-of-custody, and groundwater location) for UST closure shall be certified by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils. The certification must clearly state that all work was performed under the supervision of the person signing.
6. Chain-of-custody documentation initiated by person obtaining sample through person at a California Department of Health Services certified laboratory.
7. Disposal destination of tanks and evidence of legal disposal.
8. Analysis results by a State certified laboratory submitted on laboratory letterhead showing analysis date, methods of extraction, and methods of analysis.
9. Documentation as to depth of groundwater at facility.
10. Manifests to document hazardous waste disposal of any removed soil and tank rinsate.
11. Evidence of legal disposal of soils designated as nonhazardous.
12. Any observations of site contamination.
13. Remedial action plan to mitigate contamination.
14. Report to be signed by a California registered geologist, a California certified engineering geologist, or a California registered civil engineer with sufficient experience in soils.

Print Name T. Michael Pendergrass

Signature  Date Nov. 18, 2011



Appendix C7
Rechnitz Construction – EDR Map Code 49

DRAFT

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

RECHNITZ CONSTRUCTION COMPANY (T0603704292) - [\(MAP\)](#)

[SIGN UP FOR EMAIL ALERTS](#)

1539 MINES AVE
 MONTEBELLO, CA 90640
 LOS ANGELES COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
 LOS ANGELES COUNTY (**LEAD**)
CASEWORKER: [JOHN AWUJO](#)
 LOS ANGELES RWQCB (REGION 4) - CASE # I-15328
CASEWORKER: [YUE RONG](#)

[PRINTABLE CASE SUMMARY](#) / [CSM REPORT](#)

Regulatory Profile

CLEANUP STATUS - [DEFINITIONS](#)

COMPLETED - CASE CLOSED AS OF 2/25/1993 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

DIESEL

POTENTIAL MEDIA AFFECTED

SOIL

FILE LOCATION

BENEFICIAL USE

NONE SPECIFIED

DWR GROUNDWATER SUB-BASIN NAME

Coastal Plain Of Los Angeles - Central (4-11.04)

RB WATERSHED NAME

Los Angeles River - Los Angeles (412.10)

Site History

No site history available

Cleanup Action Report

NO CLEANUP ACTIONS EXIST

Regulatory Activities

* Indicates a revised due date

<u>ACTION TYPE</u>	<u>ACTION</u>	<u>ACTION DATE</u>	<u>RECEIVED / ISSUE DATE</u>
LEAK ACTION	Leak Reported	3/15/1990	
LEAK ACTION	Leak Discovery	2/5/1990	
LEAK ACTION	Leak Stopped	2/5/1990	



Appendix C8

High School Site – EDR Map Code 52

DRAFT

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

MINES AND MAPLE SCHOOL SITE (19490247)

[SIGN UP FOR EMAIL ALERTS](#)

MINES/MAPLE	PROJECT MANAGER:	ANGELA GARCIA
MONTEBELLO, CA 90640	SUPERVISOR:	SHAHIR HADDAD
LOS ANGELES COUNTY	OFFICE:	SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
SITE TYPE: SCHOOL	SCHOOL DISTRICT:	MONTEBELLO UNIFIED SCHOOL DISTRICT

Site Information

CLEANUP STATUS
NO FURTHER ACTION AS OF 12/19/2007

SITE TYPE: SCHOOL	SCHOOL DISTRICT:	MONTEBELLO UNIFIED SCHOOL DISTRICT
NATIONAL PRIORITIES LIST: NO	ENVIROSTOR ID:	19490247
ACRES: 14.5 ACRES	SITE CODE:	304180
APN: NONE SPECIFIED	SPECIAL PROGRAM:	
CLEANUP OVERSIGHT AGENCIES:	FUNDING:	SCHOOL DISTRICT
DTSC - SITE CLEANUP PROGRAM - LEAD	ASSEMBLY DISTRICT:	58
	SENATE DISTRICT:	32

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
 * ELECTRIC, GAS & SANITARY SERVICES

POTENTIAL CONTAMINANTS OF CONCERN	POTENTIAL MEDIA AFFECTED
NO CONTAMINANTS FOUND	NO MEDIA AFFECTED

Site History

The school is located on the corner of Mines Avenue and Maple Avenue in Montebello, California. The school property consists of 14.5-acres in a mixed commercial and industrial area. Onsite historical operations with potential environmental impacts include a dump area, salvage yard, trucking facility, lumber operation with gasoline and diesel underground tanks, pistol rang and a cesspool filled with sand.

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0.484375 seconds



CTL Environmental Services

**PEA REPORT
MONTEBELLO UNIFIED SCHOOL DISTRICT
PROPOSED MINES AND MAPLE SCHOOL SITE
MINES AND MAPLE AVENUES
MONTEBELLO, CALIFORNIA**

VOLUME I OF II

Prepared for:

MONTEBELLO UNIFIED SCHOOL DISTRICT

500 N. Hendricks Street
Montebello, California 90640

Prepared by:

CTL ENVIRONMENTAL SERVICES

24404 S. Vermont Avenue, Suite 307
Harbor City, California 90710
310-530-5006

For submittal to:

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

5796 Corporate Drive
Cypress, California 90630

April 17, 2007

PRELIMINARY ENVIRONMENTAL ASSESSMENT REPORT

MONTEBELLO UNIFIED SCHOOL DISTRICT
PROPOSED MINES AND MAPLE SCHOOL SITE

This Preliminary Environmental Assessment report for the Proposed Mines and Maple School Site in Montebello, California, was prepared by CTL Environmental Services on behalf of Montebello Unified School District in a manner consistent with the level of care and skill ordinarily exercised by professional engineers, geologists and environmental scientists. This report was prepared under the technical direction of Steven Morrill, P.E. and Adonis Esmilla, P.G. and C.E.G.

CTL Environmental Services,

Steven Morrill, P.E.
Project Manager

Adonis B. Esmilla, P.G., C.E.G.
Project Geologist

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LIST OF ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
ABS	Absorption Fraction
ADD	Averaged Daily Dose
AF	Adherence Factor
AST	Aboveground Storage Tank
AT	Averaging Time
BESI	Belshire Environmental Services Inc.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
BW	Body Weight
CA	Chemical Concentration in Air
CAM	California Administrative Manual
CAS	Chemical Abstract Registry Services
CDE	California Department of Education
CEC	California Education Code
CEG	Certified Engineering Geologist
COC	Chemical or Contaminant of Concern
COPC	Chemical or Contaminant of Potential Concern
CS	Chemical Concentration
CSF	Cancer Slope Factor
CSM	Conceptual Site Model
CTL	CTL Environmental Services
DAF	Dermal Absorption Factor
DHS	Department of Health Services
DPW	Los Angeles County Department of Public Works
DSA	Dermal Surface Area
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
ED	Exposure Duration
EF	Exposure Frequency
EPA	Environmental Protection Agency
EPC	Exposure Point Concentration
FPD	Flame Photometric Detector
IhR	Inhalation Rate
GES	Greenwood Elementary School
IDW	Investigative-Derived Waste
IR	Ingestion Rate
IRIS	Integrated Risk Management System
IWDP	Industrial Waste Disposal Permit

HEAST	Health Effects Assessment Summary Tables
HI	Hazard Index
HQ	Hazard Quotient
LACDPW	Los Angeles County Department of Public Works
LACFD	Los Angeles County Fire Department
LADD	Lifetime Averaged Daily Dose
LARWQCB	Los Angeles Regional Water Quality Control Board
LUST	Leaking Underground Storage Tank
MDC	Maximum Detected Concentration
MDL	Maximum Detection Limit
µg/kg	Micrograms per Kilograms
µg/L	Micrograms per Liter
mg/kg	Milligrams per Kilograms
MI	Mile
mL/min	Milliliters per Minute
MUSD	Montebello Unified School District
NAAQS	National Ambient Air Quality Standard
ND	Not-Detected
Q/C	Dispersion Coefficient
OCPs	Organochlorinated Pesticides
OEHHA	Office of Environmental Health Hazard Assessment
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PEA	Preliminary Environmental Assessment
PEF	Particulate Emission Factor
PID	Photo Ionization Detector
ppb	parts per billion
ppbv	parts per billion by volume
ppm	parts per million
ppmv	parts per million by volume
PQL	Practical Quantification Limit
PRG	Preliminary Remediation Goal
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RfD	Reference Dose
RG	Registered Geologist
RL	Reporting Limit
RWQCB	Regional Water Quality Control Board
SCAQMD	Southern California Air Quality Management District

SCE	Southern California Edison
SF	Slope Factor
sqft	Square Feet
STLC	Soluble Threshold Limit Concentration
SWRCB	State Water Resources Control Board
SVOCs	Semi-volatile Organic Compounds
TCLP	Toxic Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
TTLC	Total Threshold Limit Concentration
TOC	Total Organic Content
UCL	Upper Confidence Limit
USCS	Unified Soil Classification System
U.S.A.	Underground Services Alert
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UST	Underground Storage Tank
VEF	Volatile Emission Factor
VISTA	VISTA Environmental Information
VOCs	Volatile Organic Compounds
WIP	Well Installation Procedures

EXECUTIVE SUMMARY

On behalf of the Montebello Unified School District (MUSD), CTL Environmental Services (CTL) presents this Preliminary Environmental Assessment (PEA) report for the 14.5 acres of land designated as the Proposed Mines and Maple School Site (henceforth referred to as the “subject site” or “project site”). The subject site has been undeveloped since 1994 and is located on the northeast corner of Mines and Maple Avenues, Montebello, California.

MUSD plans to develop the subject site into an high school. The purpose of this PEA was to investigate potential hazardous substances in soil, soil vapor, and, if necessary, groundwater that may have resulted from the historical site operations on the subject property or from offsite sources. The completion of a PEA is also a requirement of the California Department of Education (CDE) in order to receive State funding for public school construction projects.

This PEA has been prepared under the oversight of the California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC). The DTSC oversight process has included scoping meetings with DTSC personnel, obtaining approval of a PEA Workplan prior to field activities and submission of this PEA report to DTSC for review and approval.

The historical review completed for the PEA reportedly indicated that industrial activities may have involved the use, storage, handling and/or disposal of hazardous materials on the subject site since the 1920s. These historical site operations are the following:

- The Yasuda Dump operated in the western one-fourth section of the subject site from the 1920s to 1971. Materials reported to be deposited in the waste disposal area included brick, concrete and inert rubbish.
- A salvage yard that reportedly dealt with used metal storage racks operated in the western quadrant of the site in the late 1980s.
- The Simons Brick Company operated in the north-central section of the site from 1920s to the 1950s. A removable kiln and a pump house with a steel tank were located west and east of the brick company.
- A pistol range was located on the northeastern portion of the subject site from 1950 to at least 1953.
- Multiple businesses involving the milling, storage and sales of lumber occupied the eastern and western portions of the site from 1958 to the early 1990s. Public records indicated that gasoline and diesel underground storage tanks (USTs) operated by the lumberyard were removed in 1988. Public records also indicated an explosive fire in the lumberyard as a result of accumulated sawdust.

- Building permits indicated that a truck transportation yard and dispatch offices were located along Mines Avenue after 1968.
- A building permit/inspection report contained information that a septic tank and two cesspools were backfilled with sandy soil. The septic tank and two cesspools are believed to be the brick-lined pits observed at the southeastern section of the site.
- A spill of 50 to 60 gallons of an unknown solvent occurred in March 2001 in the northeastern part of the site.

In the early 1990s all onsite structures were demolished or removed from the subject site. From 1991 to 1994, the subject site was rough graded and overexcavated. The earth work activities apparently included excavating non-engineered and loose native soils to a maximum depth of 25 feet original grade; the excavation was then filled with engineered and imported soils and rough graded. The removal of onsite soil from the subject site was not reported in the available geotechnical reports for these activities. Apparently, excavated onsite soil and non-tested imported fill were used during the rough grading activities. As a result of the overexcavation, all original site soils associated with the historical activities on the subject site have been reengineered.

In the southeastern corner of the subject site, the alluvial soils around the brick-lined pits were not excavated or graded during all engineering activities. Evidently, past engineering contractors avoided the brick-lined pits and left the pits and alluvial soil in place. There were no available or reasonable explanation why the area of the brick-lined pits was not included in the excavation and regrading.

Based on the historical information previously noted, and the knowledge that the majority of the site was overexcavated and rough graded, a field sampling program was proposed in the PEA Workplan and approved by the DTSC. The approved field sampling consisted of a systematic sampling approach to investigate any potential environmental site impairment in the native and reengineered soils and focused sampling to investigate USTs, the brick-lined pits, and the area of the March 2001 solvent spill. A total of 60 soil matrix and 60 soil vapor borings were installed and sampled during June and July 2001. The soil matrix samples were analyzed for CAM 17 heavy metals and Semi-Volatile Organic Compounds (SVOCs); selected soil matrix samples were analyzed for hexavalent chromium, Polychlorinated Biphenyls (PCBs), Organochlorinated Pesticides (OCPs), and Volatile Organic Compounds (VOCs). The soil vapor samples were analyzed for VOCs; selected soil vapor samples were analyzed for methane and hydrogen sulfide.

Based on the findings of the various sampling events documented in this PEA Report, the following can be concluded:

- With few exceptions, there is no evidence of significant impacts to the subject site.
- The soil vapor sampling identified 1,1,2-trichlorofluoromethane detected in 8 of the 145 soil vapor samples analyzed onsite by a mobile laboratory. Additionally, 27 VOCs were detected at low concentrations in the six Summa canisters collected at the subject site. The total incremental cancer risk for onsite residents potentially exposed to vapors emanating from VOCs in soil gas into indoor air was estimated to be 9.4×10^{-7} using 95UCL soil vapor concentrations. The estimated incremental cancer risk is less than the DTSC cancer risk threshold of 1.0×10^{-6} . The total hazard index for onsite residents potentially exposed to indoor air vapors emanating soil gas was estimated to be 0.13 using 95UCL soil vapor concentrations. The estimated noncancer hazard is less than the benchmark of 1.
- The highest methane concentration (500 ppm) detected during the soil gas survey is below the DTSC recommended cautionary level (1,000 ppm) provided in the Advisory on Methane Assessment and Common Remedies at School Sites (DTSC, 2005). A methane concentration above 1,000 ppmv may require further investigation.
- The soil matrix sampling identified arsenic at a minimum detected concentration of 0.40 mg/kg to a maximum concentration of 42.1 mg/kg. The maximum arsenic concentration (42.1 mg/kg) was detected at a depth of 13 feet below ground surface (bgs) from soil sample SS44-13. The depth of this soil sample makes this soil inaccessible to future occupants of the subject site.
- A site-specific upper bound arsenic concentration was calculated to be 14.44 mg/kg in Section 7.2.2 of this PEA. Of the 211 soil samples collected at the subject site, only the soil sample with the maximum detected arsenic concentration (42.1 mg/kg ay SS44-13) was higher than the estimated upper bound background concentration (14.44 mg/kg). Since more than 99 percent of the soil samples collected in soil at the subject site contained arsenic at levels considered to be within ambient levels and the maximum arsenic concentration (42.1 mg/kg) was detected at 13 feet bgs, arsenic was not identified as a COPC.
- The soil matrix sampling identified lead at a minimum detected concentration of 1.45 mg/kg to a maximum concentration of 558 mg/kg (SS24-9.5). The high lead concentration detected in soil sample SS24-9.5 seems to be an anomaly since only one of 183 samples contained lead concentrations above the DTSC screening value of 255 mg/kg for lead. In addition, the high-value sample was detected at a depth of 9.5 feet bgs. This soil sample seems to be at a depth which is highly unlikely to be accessible to future occupants of the subject site. When the 95UCL soil lead concentration (30 mg/kg) was entered into the DTSC Leaspread model (Version 7.0), the model predicted a 99th percentile blood-lead concentration of 3.4 $\mu\text{g}/\text{dl}$ for the adult resident and 5.2

µg/dl for the child resident. The estimated blood-lead level for both the adult and child residents is lower than the maximum acceptable target blood lead level of 10 µg/dl.

- The soil matrix sampling identified detectable concentrations of SVOCs, PCBs, and OCPs. The total incremental cancer risk for hypothetical residential exposure to these chemicals detected in soil through direct contact (including incidental ingestion, dermal contact, and fugitive dust inhalation) was estimated as 2.4×10^{-6} using 95UCL concentrations derived for soil samples collected within the interval between 0 to 10 feet bgs. The estimated incremental cancer risks for the hypothetical future receptors at the subject site are higher than the DTSC cancer risk threshold of 1.0×10^{-6} . However, for soil samples collected at depths greater than 10 feet bgs, the total incremental cancer risk for hypothetical residential exposures was estimated as 4.1×10^{-6} using 95UCL concentrations. The chemical which contributed to the majority of the risk estimate was Aroclor-1260. However, the risk from exposure to Aroclor-1260 was 1.1×10^{-6} , which is essentially equivalent to the DTSC cancer risk threshold of 1.0×10^{-6} .
- The total hazard index from residential exposures to SVOCs, PCBs and OCPs in surface soil, via incidental ingestion, dermal contact, and fugitive dust inhalation, was estimated to be 0.13 using 95UCL concentrations derived from soil samples collected between 0 to 10 feet bgs. For soil samples collected at depths greater than 10 feet bgs, the total hazard index for hypothetical residential exposures was estimated as 0.037 using 95UCL concentrations. For both soil intervals, the estimated noncancer hazards for hypothetical future receptors are less than the benchmark of 1.
- Based on the estimated depth to groundwater (greater than 95 feet bgs) and the low concentrations of the chemicals detected at the subject site, current and historical activities at the subject site have not impacted groundwater.

Based on the findings of this PEA investigation, there is no evidence of significant impacts to the subject site from historical and/or current uses. Therefore, based on the findings of the PEA investigation and the results of the human health screening evaluation, no further action is recommended for the subject site.

SECTION 1 - INTRODUCTION

1.1 INTRODUCTION

On behalf of Montebello Unified School District (MUSD), CTL Environmental Services (CTL) presents this Preliminary Environmental Assessment (PEA) report for the Proposed Mines and Maple School Site located in Montebello, County of Los Angeles, California. The Proposed Mines and Maple School Site (henceforth referred to as the “subject site” or “project site”) is located at the northeast corner of the intersection of Mines and Maple Avenues in Montebello, County of Los Angeles, California. The project site encompasses 14.5 acres of undeveloped land (See Figure 1 – Site Vicinity Map).

The MUSD plans to construct a high school on the project site. Construction will incorporate the entire 14.5 acres of undeveloped land and will include a kindergarten, classrooms, library, amphitheater, hard court and turf playfields, and a staff parking area (See Figure 2 – Proposed School Construction). To receive California Department of Education (CDE) approval and State funding for the Mines and Maple School Project, the MUSD has conducted a PEA investigation.

This PEA has been prepared under the oversight of the California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC). The DTSC oversight process has included scoping meetings with DTSC personnel, obtaining approval of a PEA workplan prior to field activities, follow-up meetings with the DTSC and submission of this PEA report to DTSC for review and approval.

The purpose of this PEA is to investigate potential hazardous substances in the soil, soil vapor and, if necessary, groundwater that may have resulted from the historical site operations on the subject property or from offsite sources. As a component of this PEA, a human health and ecological screening assessment has been conducted to evaluate potential exposure to chemicals of concern and to estimate any potential risk to public health and the environment based on the conservative DTSC residential land use scenario. Results of the PEA will be used to support one of three possible recommendations: (1) No Further Action, (2) Remedial Investigation Required, or (3) Removal Actions Required.

1.2 SUMMARY OF THE SITE

The project site has been used for industrial and commercial operations from the 1920s to 1990. The historical activities that occurred on the project site included:

- Former Yasuda Dump on the western one-fourth section of the site;
- Former salvage yard on the western section of the site;
- Former trucking/lumber businesses located throughout the site;
- Former Simons Brick Company in the north central portion of the site;
- Former gasoline (two 4,000-gallon) and diesel (one 7,500-gallon) underground storage tanks (USTs) associated with the United Wholesale Lumber Company;
- Former pistol range that was located in the northeastern section of the site;

- Brick-lined pits (suspected septic tank and cesspools) in the southeastern section of the site; and
- Recent solvent spill (March 2001) that occurred in the northeastern part of the site.

From 1991 to 1994, all onsite structures were demolished and removed from the project site. In addition, the majority of the project site was rough graded and overexcavated, meaning that all overburden soils such as non-engineered fills and loose soils above native soil were either removed from the project site or reengineered. The depth of the overexcavation was reported to extend vertically to a maximum depth of 25 feet below the original grade, and laterally to the perimeter of the project site except for the southeast corner. No records were found on soil being removed from the site or explaining why the southeast corner was not overexcavated.

The project site has been vacant and undeveloped since the rough grading and overexcavation. In 1998, MUSD acquired the project site by exercising its rights of eminent domain (See Figure 3 – Current Site Layout).

1.3 SUMMARY OF PEA INVESTIGATION

On May 15, 2001, CTL submitted to the DTSC a final PEA workplan. On June 4, 2001, the PEA workplan was conditionally approved by the DTSC. The PEA workplan provided background and historical information on past use, storage, disposal, or hazardous waste releases on the subject site and from offsite sources that may have impacted the subject site. This information was used to develop a field-sampling plan that would assess the nature and extent of the hazardous substances/waste present in soil gas, soil, or groundwater. In addition, the PEA workplan included a Quality Assurance Project Plan (QAPP) that detailed the quality assurance and control procedures that would be used during the field sampling and data evaluation (See Appendix A – DTSC Conditional Approval Letters for PEA Workplan).

The PEA workplan required sampling from 60 soil vapor and 60 soil matrix borings located throughout the subject site. The location of the soil vapor and soil matrix borings were based on a systematic sampling approach, along with focused sampling at specific areas of concern based on historical site use (See Figure 4 - Proposed Soil Vapor and Soil Matrix Boring Locations). Figure 5 (Proposed Soil Vapor and Soil Matrix Boring Locations for UST Area) shows the focused sampling locations in the area of the former USTs. Figure 6 shows the location of Greenwood Elementary School (GWE) relative to the subject site. GWE was used as the locale to obtain background soil samples with which CAM 17 metals analyzed from the subject property can be compared. The proposed boring locations for background soil samples are shown in Figure 7.

The field sampling was conducted on the subject site in June and July 2001. In general, the field sampling procedures included advancing a continuous core boring until native soil was encountered. A State of California Registered Geologist (RG) evaluated the soil cores to determine soil types, characteristics, distinct soil layers, and the native and fill (native/fill) soil interface. Soil samples were logged and described according to the Unified Soil Classification System (USCS). Soil matrix samples were collected at (1) zero to six inches below ground surface (bgs), (2) zero to six inches below the native/fill interface,

and (3) at any distinct fill soil layers. The soil matrix samples were analyzed for Semi-Volatile Organic Compounds (SVOC) and CAM 17 metals; selected samples were also analyzed for Polychlorinated Biphenyls (PCBs), Organochlorinated Pesticides (OCPs), Volatile Organic Compounds (VOCs) and hexavalent chromium.

Soil vapor sampling followed the continuous core drilling and soil matrix sample collection. A soil vapor boring was installed within three feet of the soil core borehole and soil vapor samples collected (1) near any distinct fill soil layers and (2) approximately two feet below the native/fill soil interface. When distinct soil layers were not encountered, a soil vapor sample was collected at five feet bgs. The soil vapor samples were analyzed for VOCs; selected soil vapor samples were analyzed for methane and hydrogen sulfide.

1.4 PRESENTATION OF THE PEA REPORT

This PEA was prepared in accordance with the guidelines of the Cal/EPA DTSC, as detailed in the *PEA Guidance Manual (January 1994, second printing June 1999)*. The PEA report format follows the suggested format in Figure 3.1, Page 3-2, of the *PEA Guidance Manual*. This PEA report is organized as follows:

Section 1:	Introduction, Purpose and Scope of Work
Section 2:	Site Description
Section 3:	Background information that includes site status, historical site information, and hazardous substances/waste management information
Section 4:	Apparent Problem
Section 5:	Environmental Setting that includes factors related to soil pathways and water pathways
Section 6:	Sampling Activities and Results
Section 7:	Human Health Screening Evaluation
Section 8:	Ecological Screening Evaluation
Section 9:	Community Profile
Section 10:	Conclusions and Recommendations
Section 11:	References
Section 12:	Supporting Documentation

The figures provided in this PEA include the following:

Figure 1	Site Vicinity Map
Figure 2	Proposed School Construction
Figure 3	Current Site Layout
Figure 4	Proposed Soil Vapor and Soil Matrix Boring Locations
Figure 5	Proposed Soil Vapor and Soil Matrix Boring Locations for UST Area

Figure 6	Greenwood Elementary School Location
Figure 7	Background Sample Boring Locations
Figure 8	Site Assessor Parcel Map
Figure 9	USGS Topographic Map
Figure 10	Historical Site Layout (1929 – 1953)
Figure 11	Historical Site Layout (1963 – 1966)
Figure 12	Historical Site Layout (1968 – 1972)
Figure 13	Historical Site Layout (1985 – 1989)
Figure 14	Approximate Excavation Limits
Figure 15	Approximate Depth to Native Soil
Figure 16	Surrounding Land Use
Figure 17	Actual Soil Matrix and Soil Vapor Boring Locations
Figure 18	Actual Soil Matrix and Soil Vapor Boring Locations for UST Area
Figure 19	Actual Background Sample Boring Locations
Figure 20	Isopach Map of Fill Soil
Figure 21	Stratigraphic Cross Sections Showing Cut and Fill
Figure 22	Conceptual Site Model
Figure 23	Cumulative Probability Plot for the Soil Arsenic Data
Figure 24	Occurrences of Arsenic in Soil Samples
Figure 25	Occurrences of Lead in Soil Samples
Figure 26	Occurrences of PCBs in Soil Samples
Figure 27	Occurrences of Toxaphene in Soil Samples

The tables provided in this PEA include the following:

Table 6-1	Soil Matrix Sampling Results (CAM 17 Metals)
Table 6-2	Soil Matrix Sampling Results (Hexavalent Chromium)
Table 6-3	Soil Matrix Sampling Results (SVOCs)
Table 6-4	Soil Matrix Sampling Results (VOCs)
Table 6-5	Soil Matrix Sampling Results (PCBs)
Table 6-6	Soil Matrix Sampling Results (OCPs)
Table 6-7	Geotechnical Sample Results
Table 6-8	Soil Vapor Sampling Results for VOCs, Methane, and Hydrogen Sulfide
Table 6-9	Soil Vapor Sampling Results for (Low Level VOC Detection)
Table 6-10	Equipment Blank Results (CAM 17 Metals)
Table 6-11	Equipment Blank Results (Hexavalent Chromium)
Table 6-12	Equipment Blank Results (SVOCs)
Table 6-13	Equipment Blank Results (VOC Soil Matrix)
Table 6-14	Equipment Blank Results (OCPs and PCBs)
Table 7-1a	Summary of Soil Metals Data
Table 7-1b	Summary of Soil Data (≤ 10 feet bgs)

Table 7-1c	Summary of Soil Data (> 10 feet bgs)
Table 7-2	Soil Metal Comparison to Background Concentrations
Table 7-3	Benzo(a)Pyrene Equivalent Concentrations
Table 7-4	Air Pathway Parameters
Table 7-5	Exposure Parameters for Hypothetical Residential Receptors
Table 7-6	Toxicity Criteria for Chemicals of Potential Concern
Table 7-7	Residential Cumulative Risks and Hazards, 95% UCL, Ingestion, Dermal Contact, and Outdoor Dust Inhalation
Table 7-8	Residential Cumulative Risks and Hazards, 95% UCL, Indoor Air Inhalation of VOCs

All supporting documentation in support of the information presented in this PEA report is supplied in the following appendices.

Appendix A:	DTSC Conditional Approval Letters for PEA Workplan
Appendix B:	VISTA Environmental Information Report
Appendix C:	Health and Safety Plans for Field Sampling
Appendix D:	Site Photographs
Appendix E:	Boring Logs
Appendix F:	Calscience Analytical Reports and Chain-of-Custody Records for Soil Matrix, Quality Assurance, and Summa Canister Samples
Appendix G:	PCR Laboratory Reports and Chain-of-Custody Records for Soil Vapor Samples
Appendix H:	Waste Profile Records
Appendix I:	Risk Calculations and Johnson and Ettinger Spreadsheets
Appendix J:	Data Validation Reports
Appendix K:	ProUCL Printouts

SECTION 2 – SITE DESCRIPTION

2.1 SITE DESCRIPTION AND IDENTIFICATION

The project site, which encompasses approximately 14.5 acres, is located on the northeast corner of Mines and Maple Avenues in Montebello, California. The site is bounded to the north by railroad tracks and commercial properties. To the south of the site are single-family homes. Located east of the site are MUSD's bus storage/maintenance yard and S&P Rubbish Recycling. To the west are Entenmann's Bakery, Montebello Dairy and single family residential homes. Located across the north side of the property line, along the railroad easement, are an eight-inch petroleum product pipeline and a six-inch natural gas pipeline, owned and operated by Chevron Pipeline Company.

2.1.1 Site Name

The subject site is identified by the MUSD as the Proposed Mines and Maple School Site.

2.1.2 Contact Person

Mr. Donald Yamagata, Facilities Development Manager with MUSD, is the designated contact person.

2.1.3 Site Address

The addresses associated with the Subject site are:

Current:	No current address listed
Historical:	1140, 1144, 1150, 1200, 1210, 1212, 1240, 1300, 1400 Mines Avenue, Montebello, California

There have been no known historical street name changes or the numbering of addresses at the subject site.

2.1.4 Mailing Address

The mailing address for the project designated by the MUSD is:

Montebello Unified School District
500 North Hendricks
Montebello, CA 90640
Attn: Mr. Donald Yamagata

2.1.5 Telephone Number

Mr. Yamagata can be reached at 323-887-3044.

2.1.6 Other Site Names

Other names associated with the 14.5-acre site (various parts thereof) include: Mines Bandini Corp., Brooks-Dodge Lumber, Standard Tractors, Brandt Trucking, Bill Rackley Trucking, Youngs Commercial Transfer, Transway Corp., Fruit Growers Supply, Standard Lumber, Bakers Union Local No. 37, David

Steinmetz, California Traffic Services, United Wholesale Building, Max Hill Lumber, Simmons Hardwood Lumber, Stanley Steves Transportation, Industrial Salvagers, Whites Transportation, T. Kubota Trucking, Minatta Transportation, Sterling Lumber, Golden State Hardware, Ronald Manolovitz, William Ingalls, Miguel Avendano (see Building Permits listed in the following table for dates of permits and permit description).

Address	Date	Owner/Applicant	Permit Description
1140 W. Mines Ave.	2/58	Mines Bandini Corp.	Building: Office building.
	6/59	Brooks-Dodge Lumber	Certificate of Occupancy: Lumber sales.
	4/68	Standard Tractors	Certificate of Occupancy: Office.
	9/68	Brandt Trucking	Certificate of Occupancy: Truck transportation yard.
	7/69	Bill Rackley Trucking	Certificate of Occupancy: Truck dispatch office.
	7/69	Youngs Commercial Transfer	Certificate of Occupancy: Truck dispatch office.
	4/73	Transway Corp.	Certificate of Occupancy: Freight forwarder office.
	3/85	Fruit Growers Supply	Certificate of Occupancy: Lumber storage.
1144 W. Mines Ave.	4/65	Mines Bandini Corp.	Mechanical: Air conditioning.
	7/66	Standard Lumber Company	Certificate of Occupancy: Wholesale lumber.
	7/66	Bakers Union Local No.37	Certificate of Occupancy: Office.
	12/67	Standard Lumber Company	Building: Relocation permit.
	1/68	David Steinmetz	Building: New lumber storage building.

Address	Date	Owner/Applicant	Permit Description
1144 W. Mines Ave.	10/68	Standard Lumber Company	Building: New lumber storage building.
	10/68	Standard Lumber Company	Building: New 4-foot by 10-foot by 8-foot concrete catch basin, equipped with an adequate size pump to discharge water.
	1/69	Standard Lumber Company	Certificate of Occupancy: Storage building.
	10/69	California Traffic Services	Certificate of Occupancy: Traffic consultants.
	10/70	United Wholesale Building	Installation of a 1,150-gallon liquid propane aboveground storage tank.
	7/77	Max Hill Lumber	Certificate of Occupancy: Wholesale lumber.
	12/86	Fruit Growers Supply	Certificate of Occupancy: Wood product storage.
1150 W. Mines Ave.	12/67	Standard Lumber Company	Building: Install foundation and provide additional parking.
	5/68	Simmons Hardwood Lumber	Building: Planning building.
	5/68	Simmons Hardwood Lumber	Certificate of Occupancy: Lumberyard.
	7/68	Simmons Hardwood Lumber	Building: Sawdust bin.
	7/79	Simmons Hardwood Lumber	499-gallon underground propane tank.
1200 W. Mines Ave.	9/86	Stanley Steves Transportation	Certificate of Occupancy: Trucking office.
	5/57	Mines Bandini Corp.	Building: New industrial office building.
	1/58	Mines Bandini Corp.	Certificate of Occupancy: Lumber and storage.
	1/58	Mines Bandini Corp.	Building: Steel lumber storage sheds.
	9/63	United Wholesale Lumber	Certificate of Occupancy: Lumber storage and trucking.

Address	Date	Owner/Applicant	Permit Description
1200 W. Mines Ave.	12/63	United Wholesale Lumber	Building: Lumber storage.
	1/64	United Wholesale Lumber	Building: Lumber and millwork.
	8/64	Whites Transportation	Certificate of Occupancy: Truck transport yard.
	1/65	Standard Lumber	Building: Metal building.
	2/65	Standard Lumber	Certificate of Occupancy: Lumber storage.
	10/68	Standard Lumber	Building: Concrete block catch basin to discharge water to street.
	5/70	Mines Bandini Corp.	Building: 26-foot by 40-foot office building.
	7/70	T. Kubota Trucking	Certificate of Occupancy: Truck dispatch office.
	7/70	Minatta Transportation	Certificate of Occupancy: Truck dispatch office.
	7/72	Sterling Lumber Company	Certificate of Occupancy: Wholesale lumber sales.
	1/73	United Wholesale Lumber	Building: Install new 7,500-gallon diesel UST.
	12/73	United Wholesale Lumber	Building: Metal storage building.
	3/74	United Wholesale Lumber	Inspection: Backfill septic tank and two cesspools with sandy soil.
	5/74	United Wholesale Lumber	Building: Underground hog pit and conveyor trench.
	4/75	United Wholesale Lumber	Building: Relocate existing propane tank to new location.
	7/75	United Wholesale Lumber	Certificate of Occupancy: Mill building.
12/86	Fruit Growers Supply	Certificate of Occupancy: Wood product storage.	

Address	Date	Owner/Applicant	Permit Description
1200 W. Mines Ave.	9/87	United Wholesale Lumber	Certificate of Occupancy: Lumber storage.
1240 W. Mines Ave.	10/71	United Wholesale Lumber	Building: Retaining wall.
	11/71	United Wholesale Lumber	Plumbing: Connect to main sewer.
	12//71	United Wholesale Lumber	Building: 20-foot by 80-foot canopy for assembly of wood products.
	12/71	United Wholesale Lumber	Building: Offices, restrooms, and storage.
	12/71	United Wholesale Lumber	Building: 22-foot by 45-foot canopy for milling of wood products.
	12/71	United Wholesale Lumber	Building: 48-foot by 120-foot canopy for wood working building.
	12/73	United Wholesale Lumber	Building: 14-foot by 59-foot canopy.
	1/74	United Wholesale Lumber	Building: 20-foot by 16-foot canopy for assembly of wood products.
	1300 W. Mines Ave.	4/85	Golden State Hardware
4/85		Standard Lumber	Certificate of Occupancy: Resale lumber storage.
2/86		Ronald Manolovitz	Certificate of Occupancy: Resale of lumber.
5/88		United Wholesale Lumber	Certificate of Occupancy: Lumber remanufacturing.
1400 W. Mines Ave.	8/72	United Wholesale Lumber	Certificate of Occupancy: Manufacturer of wholesale lumber.
	7/76	United Wholesale Lumber	Building: Construction of 80-foot by 150-foot metal building.
	8/79	United Wholesale Lumber	Building: 2,300 square feet (sqft) office addition.

Address	Date	Owner/Applicant	Permit Description
1400 W. Mines Ave.	10/81	United Wholesale Lumber	Building: Demolition of 6,500 sqft of lumber storage buildings.
	1/82	Fruit Growers Supply Co.	Building: 16,809-sqft metal skin shed.
	7/86	William Ingalls	Certificate of Occupancy: Manufacturing and sales of conveyors.
	7/86	Miguel Avendano	Certificate of Occupancy: Forklift repair.
	10/88	Industrial Salvagers	Letter & Notice: Notice of at least six 55-gallon drums.

2.1.7 U.S. Environmental Protection Agency (USEPA) Identification Number

Review of elected regulatory agency databases, discussed in greater detail in Section 3, did not reveal records of an USEPA Identification Number assigned to the site. The USEPA Identification Number is issued to entities reporting their hazardous waste activities on USEPA *Form 8700-12* in compliance with *40 CFR 261.12* or *22 CCR 66261.12*.

2.1.8 Calsites Database Number

Review of selected regulatory agency databases, discussed in greater detail in Section 3, did not produce records of an USEPA Identification Number assigned to the site or any past or current occupants of the site.

2.1.9 Assessor's Parcel Numbers and Maps

According to the County of Los Angeles Assessor's Map dated 1996, the site currently consists of one (1) parcel that encompasses approximately 14.5 acres of land. Historically, the 14.5 acres were delineated as four (4) parcels. The associated parcel number based on the County Assessor Map is 6350-027-007. Specifically, the site is also depicted as Parcel 7 on page 27 of the Los Angeles County Assessor's Mapbook Number 6350 (see Figure 8 - 1996 Assessor's Parcel Map).

2.1.10 Township, Range, and Meridian

Based on a review of the El Monte Quadrangle (*USGS Topographic map, 1966; Photorevised 1981*), the site can be found in Section 15, Township 2 South, Range 12 West. The site is located at approximate West Longitude 118° 07' and approximate North Latitude 34° 01' (See Figure 9 – USGS Topographic Map).

2.1.11 Land Use and Zoning

Information from the Los Angeles County Assessor's Office and the City of Montebello's Planning and Community Development Department indicates that the site is zoned for light manufacturing. Land use is designated as a public facility.

2.1.12 Site Maps

Various site features and all diagrams provided in this PEA are presented in the following figures.

Figure 1	Site Vicinity Map
Figure 2	Proposed School Construction
Figure 3	Current Site Layout
Figure 4	Proposed Soil Vapor and Soil Matrix Boring Locations
Figure 5	Proposed Soil Vapor and Soil Matrix Boring Locations for UST Area
Figure 6	Greenwood Elementary School Location
Figure 7	Background Sample Boring Locations
Figure 8	Site Assessor Parcel Map
Figure 9	USGS Topographic Map
Figure 10	Historical Site Layout (1929 – 1953)
Figure 11	Historical Site Layout (1963 – 1966)
Figure 12	Historical Site Layout (1968 – 1972)
Figure 13	Historical Site Layout (1985 – 1989)
Figure 14	Approximate Excavation Limits
Figure 15	Approximate Depth to Native Soil
Figure 16	Surrounding Land Use
Figure 17	Actual Soil Matrix and Soil Vapor Boring Locations
Figure 18	Actual Soil Matrix and Soil Vapor Boring Locations for UST Area
Figure 19	Actual Background Sample Boring Locations
Figure 20	Isopach Map of Fill Soil
Figure 21	Stratigraphic Cross Sections Showing Cut and Fill
Figure 22	Conceptual Site Model
Figure 23	Cumulative Probability Plot for the Soil Arsenic Data
Figure 24	Occurrences of Arsenic in Soil Samples
Figure 25	Occurrences of Lead in Soil Samples
Figure 26	Occurrences of PCBs in Soil Samples
Figure 27	Occurrences of Toxaphene in Soil Samples

SECTION 3 – BACKGROUND

3.1 SITE STATUS AND HISTORY

The proposed MUSD school site is located at the northeast corner of the intersection of Mines and Maple Avenues in Montebello, California. The site currently encompasses 14.5 acres of undeveloped land. CTL's background research indicated industrial activities that may have involved the use, storage, handling and/or disposal of hazardous materials operated on various portions from the 1920s to 1990. From 1991 to 1994, all site structures were demolished and the project site was rough graded and overexcavated.

The following subsections present the historical activities and hazardous waste/substance use on the subject site and properties within a one-quarter mile radius of the subject site. In addition, summaries of past environmental investigations, cleanup, and rough grading and overexcavation activities are provided.

3.1.1 Business Types

Historical businesses or activities that were found to have operated on the subject site include the following:

Former Business or Activity	Site Location
Yasuda dump.	Western one-fourth section of the site.
Salvage yard.	Western portion of the dump.
Lumber businesses.	Throughout entire site.
Trucking dispatch offices.	South section of the site.
Pistol range.	Northeastern portion.
Documented septic tank and two cesspools that were backfilled with sand and are believed to be the brick-lined pits.	Southeastern section of the site.
Former gasoline and diesel USTs at the former United Wholesale Lumber Company.	Middle section of site.
A March 2001 solvent spill.	Northeast section of the site.

3.1.2 Years of Operation

The following table identifies historical and current businesses located on the subject site and their dates of operation:

Location	Date	Listing
Western One-Fourth Quadrant	1925 to 1971	Waste disposal area (Yasuda Dump) for disposal of concrete, brick and inert rubbish material.
	1972 to 1989	Lumber Storage.
	1989	Salvage yard mainly used for metal storage racks.
Eastern Three-Quarters of Site	1920s to 1950s	Simons Brick Company at the north central area.
	About 1950 to 1953	Pistol range in the northeastern portion of the site.
	About 1958 to the early 1990's	Lumber businesses that include milling, storage and sales operated throughout the eastern portion of the site.
	After 1968	Truck transportation yard and truck dispatch offices along Mines Avenue.
Entire Site	Early 1990s	All structures on site were demolished. Rough grading and overexcavation activities apparently occurred on the site. The term "overexcavation" refers to removal of all overburden soils such as non-engineered fills and loose soils above native soil.
	1998	MUSD acquired site through eminent domain.

3.1.3 Prior Land Use

The prior land use of the subject site has been summarized in *Section 3.1.1 (Business Types)* and key details are also provided below. The previous land uses of the site are presented on the Historical Site Layout Maps (Figures 10, 11, 12, and 13).

- A salvage yard that reportedly dealt with used metal storage racks, operated on the western quadrant of the site in the late 1980s.
- A brick company operated on the north-central section of the site from the 1920s to the 1950s. A removable kiln and a pump house with a steel tank were located west and east of the brick company, respectively.
- A pistol range was located on the northeastern portion of the site from 1950 to at least 1953. Other than aerial photographs and Sanborn Fire Insurance Maps, no records or permits for the pistol range were readily available.

- Based upon CTL's review of readily available records, businesses involved in the processing, storage and sales of lumber occupied the eastern portion of the site from 1958 to the early 1990s. The lumber-related activities included a mill. Public records indicate that gasoline and diesel fuel USTs operated by the lumberyard were removed in 1988. Public records also indicate that there was an explosive fire in the lumberyard as a result of accumulated sawdust.
- Building permits indicated that a truck transportation yard and dispatch offices were located along Mines Avenue after 1968.
- A building permit/inspection report contained information that a septic tank and two cesspools were backfilled with sandy soil. The septic tank and two cesspools are believed to be the brick-lined pits observed at the southeastern section of the site. All site excavation and grading work avoided the brick-lined pits.
- In the 1990s, the entire site was reported to be overexcavated by Action Geotechnical Consultants to a maximum depth of 25 feet below original grade to remove all non-engineered fills and loose native soils. The excavation was then filled with engineered soils and rough graded. A geotechnical investigation conducted by Kleinfelder, Inc. reported in 1998 the overexcavation after advancing twenty-two (22) hollow stem auger borings throughout the site. The small area of older alluvial soils at the southeastern portion of the site was not excavated. Evidently, past engineering contractors avoided the brick-lined pits and left the pits and alluvial soil in place. There was no available or reasonable explanation why the area of the brick-lined pits was not included in the excavation and regrading. The lateral limits of the excavation are shown in Figure 14 and the approximate depths to natural soil, as determined from the borings, are shown in Figure 15.
- In March 2001, approximately 50 to 60 gallons of an unknown solvent spilled on the ground surface in the northeast section of the site. The impacted area is approximately 15 feet by 30 feet. The top twelve inches of impacted soil were scraped off and removed from the site.

3.1.4 Facility Owners/Operators

The table in *Section 3.1.2 (Years of Operation)* describes the historical activities or operations which occurred on the subject site, along with the years of operation and general location of the operations on the subject site. In addition, information on the owners of the subject property was collected from a 50-Year Chain of Title Record and the site owners (Grantor/Grantee data) are listed in *Section 3.1.5 (Property Owners)*.

3.1.5 Property Owners

The following tables provide information on property ownership and leases of the subject site. The property ownership information was obtained from a 50-Year Chain of Title Record issued by the Chicago Title Company.

Grantor	Grantee	Type of Transaction	Date Recorded	Reason for Transaction
Simons Brick Company	Walter Simons	Grant Deed	1/6/48	Transfer property
Edith Marian Simons	Fern Trucking Company	Guardian's Deed	11/16/51	Transfer property
The County of Los Angeles	Edward De Staute, Grace De Staute, William & Vern Biedebach	Deed	10/19/53	Transfer property
The County of Los Angeles	Los Angeles County Flood Control District	Quitclaim Deed	2/18/54	Sewer Easement
Fern Trucking	Southern California Edison	Easement Deed	8/11/55	Above ground utility lines
Edward De Staute, Grace De Staute, William Biedebach and Verna Biedebach	Los Angeles County Flood Control District	Easement Deed	1/31/57	Covered Storm Drain
Fern Trucking Company	Mines-Bandini, Inc.	Grant Deed	6/3/57	Transfer property
Mines-Bandini, Inc.	City of Montebello	Corporation Grant Deed	12/13/57	Grant for Mines Avenue
Edward De Staute, Grace De Staute, William Biedebach and Verna Biedebach	Semon Kasparoff and Vresh Kasparoff	Grant Deed	4/21/59	Transfer property
Semon Kasparoff and Vresh Kasparoff	City of Montebello	Grant Deed	12/21/61	Grant for Maple Avenue
Mines-Bandini, Inc.	Standard Lumber, Co.	Corporation Grant Deed	6/26/63	Transfer property
Mines-Bandini, Inc.	Standard Lumber, Co.	Grant Deed	11/12/63	Transfer property
Pauley Petroleum	Owners of record	Corporation Quitclaim Deed	11/25/68	Subsurface gas lease (500 feet > bgs)
Standard Lumber Co.	The Pacific Telephone and Telegraph Company	Easement Deed	11/23/70	Underground cabling
Semon Kasparoff and Vresh Kasparoff	Standard Lumber Company	Grant Deed	8/23/71	Transfer property

Grantor	Grantee	Type of Transaction	Date Recorded	Reason for Transaction
Standard Lumber Company, Inc.	City of Montebello	Easement Deed	12/30/71	Sewer/Drainage Public street
City of Montebello	Not Applicable	Executed an Encroachment License	1/5/72	Encroachment on City property
Standard Lumber Company	Southern California Edison Company	Easement Deed	1/25/71	Electrical Lines
Fruit Growers Supply Company	Standard Lumber Company, Inc.	Corporation Quitclaim Deed	11/15/77	Transfer of improvement interest
Southern California Edison	Owners of Record	Easement Quitclaim Deed	7/25/91	Release rights to prior easement
Southern California Edison	Owners of Record	Easement Quitclaim Deed	4/14/92	Release rights to prior easement
Southern California Edison	Owners of Record	Easement Quitclaim Deed	12/20/93	Release rights to prior easement
Standard Lumber Company	Fruit Growers Supply Company	Quitclaim Deed	1/8/98	All titles & interest transfer
Fruit Growers Supply Company	Aew/O'Donnell, LLC	Corporation Grant Deed	1/8/98	Transfer property
Janice H. Strugar, Family Trust	Janice H. Strugar, Survivor's Trust	Trust Transfer Deed	5/9/00	Transfer property

3.1.6 Surrounding Land Use

On March 12, 2001, the adjacent land uses consisted of light industrial, commercial, and residential (see Figure 16 – Surrounding Land Use). The surrounding properties are as follows (for detailed listing refer to tables below):

- North: Railroad tracks and commercial/industrial
- South: Mines Avenue, single-family residential
- East: MUSD bus storage/maintenance yard, S&P Rubbish Recycling
- West: Maple Avenue, Entennmen's Bakery, Montebello Dairy, single-family residential

Located across the north side of the property line along the railroad easement are marked pipelines. A letter from Chevron Pipeline Company, dated September 10, 1998, indicated that the pipelines have been in operation since 1917. The pipelines consist of an active eight-inch crude oil line and a six-inch natural gas line. There have been no records of unauthorized releases from these pipelines. Chevron reported that

their facilities are under cathode protection to prevent pipe corrosion and the lines are monitored for leaks 24 hours per day.

On March 12, 2001, CTL staff conducted additional adjacent property research on commercial and industrial businesses in line of sight of the project site. CTL reviewed current and historical applications and building permits at the City of Montebello Building Department.

The summary of the investigation of adjacent properties follows.

Current Adjacent Properties	Location	Permit Date	Information obtained from the Building Department
409 S. Park (Crawford Products Storage Warehouse/Parking Structure).	Adjacent to the North.	11/29/91	4,547 sqft Warehouse built for Crawford Products.
505 S. Maple Avenue (Sanitary Dairy).	Adjacent to the West.	7/15/57 10/14/59 9/9/82 10/11/85 11/21/85	Added a shop and garage. Added a metal canopy. Industrial Wastewater Discharge Permit (IWDP) for acidic and basic materials. Easement for sewer. Uncovered a residential cesspool during construction, installed a gas line, and modified the sewer system.
1128 Mines Avenue listed in PEA under City Directory Review as W. Schrodee in the 1950s.	Contiguous to the East.	10/1/64 7/6/64 9/64 11/22/65 4/5/66 5/15/69 9/25/72	E.C.C. Fast Delivery (truck transportation yard). Easement for Sewer. 2,000-gallon gasoline UST. Truck yard office. Peter's Truck Cushions (repair). Thrifty & Best Rubbish Disposal (truck transportation yard). S&P Rubbish Company (truck transportation yard).

Current Adjacent Properties	Location	Permit Date	Information obtained from the Building Department
1124 Mines Avenues listed in PEA under City Directory Review as R. Massey in the 1950s.	Adjacent to the east.	8/64 12/12/66 12/9/86 9/14/93	Montebello Sand & Gravel (building materials). Warehouse Hi-Fi Components (stereo crafters). Aero Laminar Dynamics (manufacture, distribute & repair hydraulic equipment). Star Enterprises (Auto App.).
419 S. Park (Crawford Products)	Adjacent to the north.	1959 1962 1973 1991	Engravers Ink Company (manufacture steel die engraving inks). Crawford Products (manufacture white lead putties). IWDP (dirt & dust from calcium carbonate). Crawford Products manufactures lead-free putty and spackling paste. Materials used include oil, vinyl plastic resins, calcium carbonate, and titanium. County Sanitation IWDP – No longer discharging – PERMIT VOID.
400 S. Taylor (City of Montebello Transit).	Adjacent to the north.	11/95 1/97	New parking structure and administration building. Demo 30-year old fuel canopy.
1401 W. Colegrove (Auto Electric Motor Rewind).	Adjacent to the north.	3/87 1991 1991	Demo 15,000 sqft building. Lite-Industrial Manufacturing. Construct industrial building.
505 S. Greenwood (MUSD). Listed in PEA under Regulatory Status – VISTA.	Contiguous to the east.	10/56 1972	Consolidated Rock Products (storage for rocks and sand). Install two 10,000-gallon USTs (gasoline & diesel).

Current Adjacent Properties	Location	Permit Date	Information obtained from the Building Department
600 S. Maple (Expedite Trucking/Bernard Witt). Listed in PEA under Regulatory Status – VISTA.	Adjacent to the south.	1/60 5/60 8/60 1/65 1970 1979 3/84 6/94 7/97	Install one 10,000-gallon UST. Royal Transit – Construct and operate trucking terminal w/ offices, dock and fuel pumps. Permit for clarifier. Install a 10,000-gal. UST (diesel). Star Forwarders, Inc. (freight forwarder). Royal Transportation – Excavate 12,000-gallon UST (gasoline). Expedite Truck Lines (trucking). Thomas Transport System (truck transportation). E.J. Installation (shelving & cabinet installation).
480 S. Vail (Orowheat Bakery). Listed in PEA under Regulatory Status – VISTA.	Adjacent to the northwest.	10/92 1996 1989	One sewer/septic tank. IWDP for Entenmann’s/Orowheat Permit void/change of ownership to subsidiary CPC International Inc. Install 1,500-gallon clarifier for Oroweat.
601 and 605 S. Maple Avenue (Tortillaria)	Adjacent to the southwest.	11/26/84 4/26/85 5/13/85	Pacific Lighting & Gas – Conditional Use Permit to install/operate (for 6 months) an electrically operated natural gas ventilating system on property. Conditional Use Permit to extend the time limitation from 6 months to 10 months for above mentioned permit (dated 11/26/84). Conditional Use Permit to convert an existing abandoned well into a gas storage observation well on two single family lots located at 605 Maple Avenue (Cisco Foods Foundation).

3.2 HAZARDOUS SUBSTANCE/WASTE MANAGEMENT INFORMATION

3.2.1 Business/Manufacturing Activities

A review of selected regulatory agency databases for documented environmental concerns within one-quarter mile of the site was conducted by VISTA Information Solutions (VISTA) of San Diego, California. CTL conducted further investigation for the sites with potential hazardous material concerns at the Los Angeles County Department of Public Works (LACDPW). Records found by CTL are summarized in the following tables and they may duplicate records found at the City of Montebello Building Department and the City Directory Review.

Properties (within ¼ Mile of Site)	Location	Date	Information obtained from LACDPW and the VISTA Database	Lead Agency for “Closed Status” Sites	Status for Facilities with “Further Action”
1539 Mines Avenue (Rechnitz Construction)	0.08 MI W	3/22/89 2/25/93	Notice of non-permitted USTs. No Further Action Letter from the LACDPW for the removal and remedial action of two 8,000-gallon diesel and one 1,000-gallon gasoline USTs.	LACDPW	Not applicable
600 S. Maple Ave. (Expedite Trucking)	0.03 MI W	3/31/92 1/2/92	Closure permit application for four USTs (diesel, unleaded gas, and waste oil). LACDPW letter noting no further action required (regarding removal of 4 USTs).	LACDPW	Not applicable
623 S. Maple Ave. (JM Fire Extinguisher)	0.06 MI W	4/17/89 12/22/92	Closure application for two fuel USTs. Closure Certification from LACDPW, no further action required (regarding removal of 2 USTs).	LACDPW	Not applicable

Properties (within ¼ Mile of Site)	Location	Date	Information obtained from LACDPW and the VISTA Database	Lead Agency for “Closed Status” Sites	Status for Facilities with “Further Action”
652 S. Maple Ave. (AT&T)	0.12 MI W	2/20/85 3/1/85	Application for closure of two USTs (gasoline and waste oil). LACDPW report certifying compliance of both tanks.	LACDPW	Not applicable
408 S. Park (Siapin Horticulture)	0.10 MI N	2/21/89	Closure permit granted from LACDPW, claiming no further action for removal of one tank that stored unleaded gas.	LACDPW	Not applicable
649 S. Maple Avenue (Helms Hill Towing)	0.08 MI W	7/8/88 3/15/89	Six USTs (gasoline, diesel and waste oil) were previously removed from site. LACDPW letter to contractor stating no further action was required.	LACDPW	Not applicable
528 Montebello Way (Armenco Cater Truck MFG Co. Inc.)	0.17 MI E	1987 7/9/91	One gas tank was removed. Closure permit from the LACDPW with no further action required.	LACDPW	Not applicable
715 S. Maple Avenue (Crescent Refining Oil Company)	0.16 MI SW	5/18/92 3/18/98	LACDPW inspection report stating that 14 tanks had been removed from the property (heating oil storage). CALEPA letter that no further action was required regarding a UST release.	LACDPW	Not applicable
545 S. Greenwood (LA Eureka Lines)	0.07 MI E	9/20/96	LACDPW inspection report stating that one diesel tank was removed from the property.	LACDPW	Not applicable

Properties (within ¼ Mile of Site)	Location	Date	Information obtained from LACDPW and the VISTA Database	Lead Agency for “Closed Status” Sites	Status for Facilities with “Further Action”
520 S. Greenwood (DT Wholesalers)	0.09 MI E	1/21/87	Permit for tank removal of two USTs (gasoline).	Not Known	Not applicable
500 S. Greenwood (Cal Metro Distribution)	0.14 MI E	6/9/86	Permit for removal of four USTs (diesel, gasoline and waste oil).	Not Known	Not applicable
311 S. Greenwood (City of Montebello)	0.23 MI E	7/09/89	Remediation underway. LARWQCB case.	According to the Vista Site Assessment Plus Report, the lead agency is LARWQCB.	Seven USTs were reported. Remediation is underway.
505 S. Greenwood (MUSD)	0.14 MI E	1988 1991 1/26/99	Hekimian and Associates report for removal of one gasoline UST. LACDPW no further action letter for the removal of one UST. Application for removal of three USTs (diesel and waste oil).	LACDPW	Not applicable
633 S. Maple Avenue (SoCal Motor Delivery)	0.06 MI W	1990 12/2/91 1999 5/23/00	National Environmental report documenting removal of two USTs (diesel and gasoline). LACDPW - No further action letter regarding removal of two tanks. National Environmental report documenting removal of one UST (fuel not stated). LACDPW - No further action letter regarding removal of one tank.	LACDPW	Not applicable

Properties (within ¼ Mile of Site)	Location	Date	Information obtained from LACDPW and the VISTA Database	Lead Agency for “Closed Status” Sites	Status for Facilities with “Further Action”
1615 Mines Avenue (American Cater Truck)	0.15 MI W	3/6/89	Permit to remove two gasoline USTs.	LACDPW	Not applicable
		5/18/89	LACDPW - No further action letter regarding removal of two USTs.		
737 S. Maple Avenue (Montebello Distribution Center)	0.19 MI SW	1/87	Report from Leighton and Associates documenting removal of one gas UST.	LACDPW	Not applicable
		3/23/87	LACDPW - No further action letter regarding removal of one UST.		
480 S. Vail (Oroweat Foods)	0.23 MI W	3/97	EarthTech report documenting the abandonment in place of diesel USTs.	LACDPW	Not applicable
		4/21/97	LACDPW - Letter of no further action for the abandonment.		
1301 Colegrove (Montebello Transit Yard)	0.09 MI NE	7/95	Leighton and Associates report disclosing the removal of one concrete-lined brick structure.	According to the Vista Site Assessment Plus Report, the lead agency is LARWQCB.	One 2,800-gallon diesel UST was removed. Preliminary site assessment underway.
		3/95	Diesel UST reported to have been located on property. Approximately 914 tons of diesel-impacted soil associated with UST were excavated/transported to a permitted offsite disposal facility. Preliminary site assessment underway.		

3.2.2 On-Site Storage, Treatment, and Disposal

The site is currently undeveloped. There are no known current onsite storage, treatment or disposal of hazardous material, substances or waste. See *Section 3.2.1 Business/Manufacturing Activities* for detailed historical agency file review information.

3.2.3 Regulatory Status

There are no known Federal, State, or Local hazardous substance/waste permits currently held by MUSD on the subject site. See *Section 3.2.1* for historical agency file review information and *Section 3.2.6* for additional regulatory database information.

3.2.4 Inspection Results

There were no records found of site inspections or investigations conducted by Federal, State or Local agencies of the historical or current operations on the site. See *Section 3.2.1 (Business/Manufacturing Activities)* for summaries of the records CTL reviewed at the local agencies.

3.2.5 Prior Onsite Assessments/Remediation

The available reports on environmental assessments, soil investigations, and remediation are limited. Three important reports could not be obtained from regulatory agencies or the MUSD. These reports are:

- 1) Phase I Environmental Site Assessment, prepared by Action Geotechnical Consultants, Reviewed by California Environmental, January 1989.
- 2) Results of Analytical Testing, prepared by Action Geotechnical Consultants, reviewed by California Environmental, January 18, 1989.
- 3) Phase I Site Assessment and Phase II Subsurface Evaluation for VOC/HVOC Impacts in Soil Vapor, prepared by California Environmental, August 4, 1997.

The summaries provided for the above listed reports were obtained from a Kleinfelder Draft Phase I Environmental Site Assessment Report. The following are summaries of the available reports.

Underground Storage Tank Removal Report - May 4, 1988

This report, prepared by Hekimian and Associates, documented the removal of two 4,000-gallon and one 7,500-gallon USTs (April 1988) located at the Subject site address of 1150 West Mines Avenue. Concentrations of total petroleum hydrocarbons as gasoline (TPH-g) were detected up to 2,400 mg/kg in soil samples collected from the tank cavity of one of the 4,000-gallon USTs.

Site Assessment Report and Remedial Action Plan - July 7, 1988

This report, prepared by Hekimian and Associates, documented the advancement of two soil borings drilled to a depth of 30 feet bgs in the vicinity of the 4,000-gallon UST and gasoline dispenser. Soil samples were obtained at 5-foot intervals. TPH-g concentrations up to 1,300 mg/kg were detected in the area of the removed 4,000-gallon UST at a depth of 10 feet bgs. Gasoline range hydrocarbons were not detected in the soil beneath the gasoline dispenser. The report recommended that the contaminated soil be excavated and aerated on the site. A site clean-up level of 100 mg/kg was recommended.

Completion Report for Remedial Action - October 11, 1988

Hekimian and Associates prepared this report documenting the final closure procedures for the removed USTs. Five closure samples were obtained from the base of the 16-foot deep excavation created during the

removal of the gasoline impacted soil. TPH-g concentrations ranging from non-detect to 3 mg/kg were detected in the samples. Additionally, soil samples were obtained from the stockpiled soils, which were aerated on-site. TPH-g concentrations, which ranged from non-detect to 60 mg/kg were reported. Follow up analysis found non-detect to 11 mg/kg of gasoline in the soil. Based on the analysis of the stockpiled soil, the excavation was backfilled with the aerated soil and compacted. A site closure letter was granted by LACDPW on June 20, 1989.

Geotechnical Feasibility Investigation - January 10, 1989

This report, prepared by Action Geotechnical, documented the advancement of 12 borings to depths of 20 feet bgs on the site. Several of the borings encountered considerable debris including concrete, brick, and rebar. At the time of the investigation, the site was split-level, with the western 3.3 acres at street level and the remaining eastern acreage approximately 12 to 15 feet below the street grade. The report references a "previously existing UST located midway along the existing retaining wall separating the site", that had been recently removed. The soil used to backfill the excavation was non-engineered to our knowledge." No groundwater was encountered during this investigation. The report recommended that all non-certified and uncompacted fill be removed and properly compacted for support of future structures.

Phase I Environmental Site Assessment - January 17, 1989 (Report reviewed by California Environmental)

Action Geotechnical prepared a Phase I report that indicated the eastern portion of the site was occupied by a manufacturer of roller conveyor belts and was utilized as a storage area and salvage yard for industrial shelving. The western portion of the site was utilized as a lumber milling operation. The report stated that waste materials identified as being generated onsite included used motor oil, solvents, and paint. An observation of stained soil with petroleum odor was noted at the northeast corner of the site. The site was identified as an open pit mine for manufacturing of bricks during the 1950s and 1960s. A UST was reportedly removed in 1989 with no apparent problems detected upon removal. This UST is the same as reported in the Hekimian and Associates reports. The report did not recommend any additional testing or site assessment research, but stated that if impacted soil was detected during grading, additional testing should be developed and implemented.

Results of Analytical Testing - January 18, 1989 (Report reviewed by California Environmental)

During a geotechnical investigation by Action Geotechnical conducted on the site obtained selected soil samples. Nine samples were tested for total recoverable petroleum hydrocarbons (TRPH). Concentrations of up to 312 mg/kg of oil were detected in the soil samples. Two composite samples were also analyzed for CAM 17 heavy metals. Concentrations of metals in the soils were typical of background concentrations.

Final Rough Grade Compaction Report - August 13, 1993

This report, prepared by Action Geotechnical, summarized the general grading conditions encountered during the removal and recompaction process at the site. The compaction work was conducted during the grading which occurred from August 26, 1991 through July 14, 1993. The maximum depth of over excavation extended to a depth of twenty-five feet below the original grade. The excavated soils and

imported soils were compacted on the property under the supervision of Action Geotechnical. No testing was conducted for hazardous material constituents on soils onsite or imported from offsite sources. In addition, there was no indication that soils or debris were transported off-site.

Summary of Import Soils Report - April 22, 1994

Action Geotechnical prepared this report to summarize the import soil sources used during the grading and compaction activities conducted on the site from August 1991 through July 1993. The report provided a table showing the soil type, the source, the expansion potential, and notes of imported soil brought onto the site. Action Geotechnical recommended that imported soil be free of contaminants and have an expansive index less than 50. If unusual odors or staining were noted, loads were shut down and isolated until approval for use was granted.

Phase I Site Assessment and Phase II Subsurface Evaluation for VOC/HVOC Impacts in Soil Vapor - August 4, 1997 (Referenced in Kleinfelder report)

The Phase I portion of the report, prepared by California Environmental, documented a site visit, research of available land use records, review of previous environmental site assessment reports, and other sources for preliminary indications of hazardous materials use, disposal, or storage at the site. California Environmental also conducted a Phase II Soil Vapor Gas Survey to help bridge the data gaps in the assessment and cleanup work done during the grading process. Kleinfelder did not discuss the results of the survey. At the time of the California Environmental site reconnaissance, the site was a vacant unpaved lot. No structures were present on the site. An 18-inch diameter sewer line traverses northeast to southwest across the west end of the site. Additionally, a Chevron pipeline was located along the northern property line.

Draft Phase I Environmental Site Assessment - May 21, 1998

At the time of Kleinfelder's Investigation, the site was vacant and covered with weeds. Historically, the site was reported to be occupied by residences, brick manufacturing, a pistol range and a lumberyard. Kleinfelder concluded that there was a low risk of site impairment.

Geotechnical Investigation Geologic/Seismic Evaluation and Environmental Hazards Study For The Proposed Intermediate School Site - June 12, 1998

This report, prepared by Kleinfelder, Inc., included twenty-two geotechnical test borings located systematically throughout the site at depths ranging from 19 to 51.5 feet below grade. A photo-ionization detector (PID), which was used to detect potential volatile organic vapors, showed readings from 0 ppm to 7.0 ppm. The PID results at the deepest boring of 50 feet below grade had a reading of 4.5 ppm. Groundwater was not encountered in any of the borings. Chemical analysis results were non-detect for pesticides and herbicides from selected borings at various depths. CAM 17 metal soil results, taken at 2.5 feet below grade, showed barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc concentrations above their respective detection limits. All detected metals were reported to be below the Total Threshold Limit Concentration (TTL) and below ten times the Soluble Threshold Limit

Concentration (STLC). In addition, Kleinfelder reported that all detected metals were below the US EPA Region IX Preliminary Remediation Goals for residential sites.

3.2.6 Regulatory Review of On & Off-Site Hazardous Materials

Regulatory information was compiled by VISTA Environmental Information (VISTA; San Diego, California). The report included the Federal NPL, TSD, RCRA Transporters, CERCLIS, CORRACTS, RCRA Generators, and ERNS lists and the State SWLF, LUST, CORTESE, CALSITES, Registered UST, and AWP lists. None of the unmapped sites are in close proximity to the subject site. The complete VISTA report is reproduced in Appendix C.

National Priorities List (NPL)

The United States Environmental Protection Agency’s (US EPA’s) NPL was reviewed to ascertain if known “hazardous waste” facilities that have been targeted for cleanup under Superfund are located within a 1.0 mile radius from the site. **No facilities were listed.**

State Superfund Sites

The California Environmental Protection Agency’s (Cal EPA’s) Department of Toxic Substance Control (DTSC) List of Annual Workplan Sites was reviewed to ascertain if known contaminated properties which are designated by the State for remediation, are within a 1.0 mile radius from the site. **One facility was reported.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
San Gabriel Groundwater Basin	0.87 mile northeast	Crossgradient	Currently on final NPL

Based on the distance of this site, it is not a present risk to impact the subject site.

Corrective Actions (CORRACTS) Facilities

US EPA’s Resource Conservation Recovery Act (RCRA) Corrective Actions (CORRACTS) facilities list was researched for facilities within a 1.0-mile radius from the site. **One facility was reported.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
Georgia Pacific Corp. 760 Vail Avenue	0.35 mile southwest	Downgradient	Stabilization measures completed.

Based on the status and distance of this facility, it is not a present risk to impact the subject site.

Treatment, Storage, and Disposal (TSD) Facilities

US EPA's Resource Conservation Recovery Act (RCRA) NON-CORRACTS TSD facilities list was researched for facilities within a 0.5-mile radius from the site. **No facilities were listed.**

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The US EPA's CERCLIS list was researched for facilities which are either proposed to be included, or are on the NPL list and for facilities in the screening and assessment phase for possible incorporation on the NPL within a 0.5 mile radius from the site. **One facility was reported.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
Grow Group Inc. 760 Vail Avenue	0.35 mile southwest	Downgradient	Preliminary assessment.

Based on the distance/direction of this facility, it is not a present risk to impact the subject site.

Landfill Sites

The State, County, and Regional lists for solid waste, landfills, and transfer stations facilities were researched within a 0.5-mile radius from the site. **Two facilities were reported.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
Yasuda Dump 1448 Mines Avenue	SITE	N/A	Closed Facility.
Vail Street Dump Landfill 845 Vail Avenue	0.44 mile southwest	Downgradient	Closed Facility.

Based on the status and distance/direction of the Vail Street Dump, it is not a present risk to impact the subject site.

Leaking Underground Storage Tank (LUST)

The Regional Water Quality Control Board’s (RWQCB’s) list of leaking underground tanks was researched to identify facilities that had leaking underground storage tanks within a 0.5 mile radius from the site. **Seventeen facilities were reported.** Due to the number of facilities reported, only those facilities within ¼ mile from the subject site are summarized below.

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Affected Medium	Status
Rechnitz Construction 1539 Mines Avenue	Adjacent South	Downgradient	Undefined	Case Closed.
City of Montebello 1301 Colegrove	Adjacent North	Upgradient	Soil Only	Preliminary Site Assessment Underway.
Crescent Oil Co. 715 Maple Avenue	0.12 mile southwest	Downgradient	Soil Only	Case Closed.
Oroweat Foods 480 S. Vail Avenue	0.13 mile west	Crossgradient	Soil Only	Case Closed.
Montebello USD 505 Greenwood	Adjacent east	Crossgradient	Soil Only	Post Remedial Action Underway.
Chevron USA 601 S. Vail Avenue	0.20 mile west	Crossgradient	Soil Only	Remedial Action Underway.
City of Montebello 311 Greenwood	0.24 mile east	Crossgradient	Other Groundwater	Remediation Plan Submitted.
Southwest Machinery 656 S. Vail Avenue	0.23 mile west	Crossgradient	Soil Only	Case Closed.

Based on the status, media affected, distance and direction of the above facilities and those facilities in excess of ¼ mile, they are not a present risk to impact the subject site.

CORTESE

The State CORTESE database, maintained by the State Office of Planning and Research, was researched to locate contaminated properties within a 0.5-mile radius from the site. Fifteen facilities were listed.

The facilities listed on the CORTESE database were also presented in the *Leaking Underground Storage Tank (LUST)* subsection. Based on the status, media affected, distance and direction of the above facilities and those facilities in excess of ¼ mile, they are not a present risk to impact the subject site.

CALSITES

The Cal EPA DTSC's CALSITES list was reviewed for facilities within a 0.5-mile radius from the site. **No facilities were listed.**

Registered Underground and Aboveground Storage Tanks

The State Water Resource Control Board's (SWRCB's) list of registered underground and aboveground storage tanks was researched for the site and contiguous/adjacent properties. **Six facilities were reported.**

Facility Name/Address	Distance/Direction	Hydrologic Setting	Status
United Wholesale Lumber (Former site occupant) 1550 Mines Avenue	SITE	N/A	One tank reported.
Expedite Trucking 600 S. Maple Avenue	Adjacent South	Downgradient	Four tanks reported closed and removed.
City of Montebello 1301 Colegrove	Adjacent North	Upgradient	Number of tanks not reported – listed as removed. Also a LUST facility with only soil impact.
LA Eureka Lines 545 S. Greenwood	Adjacent East	Crossgradient	One tank was reported removed.
Montebello Unified 505 S. Greenwood	Adjacent East	Crossgradient	Number of tanks not reported; Also a LUST facility with only soil impact.
District Bus Yard 505 S. Greenwood	Adjacent East	Crossgradient	Reported that four tanks are being used.

Based on the listed status and/or as reported in the LUST database, these facilities are not a present risk to impact the site.

RCRA Generators

The US EPA RCRA list of large and small quantity generators was researched for site and contiguous/adjacent facilities. **One facility was reported.**

Facility Name/Address	Distance/Direction	Hydrologic Setting	Status
Jim Fols Engineering 1539 Mines Avenue	0.0 Miles	N/A	Listed as a RCRA Small Generator

Emergency Response Notification System of Spills (ERNS)

The US EPA's ERNS list was reviewed for the site. **The site was not listed.**

Material License Tracking System (MLTS) Report

The Nuclear Regulatory Commission's MLTS report was searched for the site zip code. **No facilities were reported.**

Dockets Report

The US EPA's Dockets database was searched for the site zip code. **One facility was reported.**

Facility Name/Address	Distance/ Direction	Hydrologic Setting	Status
Lilly Industrial Coatings	1.5 mile south	Downgradient	Received Federal Penalty

Based on the distance and direction of this facility, it is not a present risk to impact the site.

National Permit Discharge Elimination Site (NPDES)

The US EPA's NPDES database was searched for the site zip code. **No facilities were reported.**

Polychlorinated Biphenyls Activities Database System (PADS)

The US EPA's PADS database was searched for the site zip code. **No facilities were reported.**

SECTION 4 – APPARENT PROBLEM

4.1 APPARENT PROBLEM

MUSD plans to develop the 14.5-acre project site into an high school. In order to receive State funding and comply with State requirements regarding school construction, MUSD has conducted this PEA.

The apparent problem is that industrial activities occurred on the subject site that may have involved the use, storage, handling and/or disposal of hazardous wastes and/or substances. The purpose of the PEA is to assess the impact of any hazardous substances on the subject site and to evaluate potential exposure and the threat to public health and the environment, if any.

The historical operations that may have resulted in a hazardous substance release on the subject site, and the contaminants of concern associated with the release include the following:

- From the 1920s to 1971, the Yasuda Dump operated in the western one-fourth section of the site. Materials reported to be deposited in the waste disposal area included brick, concrete and inert rubbish material. Contaminants of potential concern (COPC) that may be associated with this historical site operation may include:
 - ✓ Heavy metals and hexavalent chromium from disposal of metal and construction debris;
 - ✓ VOCs and SVOCs from disposal of debris containing oily residues, waste oils, or solvents;
 - ✓ PCBs from disposal of equipment containing hydraulic oils, transformer oils, or electrical ballast's; and
 - ✓ Methane and hydrogen sulfide from the decay of buried organic material.
- A salvage yard that dealt mainly in used metal storage racks, operated on the western quadrant of the site in the late 1980's. The COPC associated with the salvage yard operation include:
 - ✓ Heavy metals, hexavalent chromium, and SVOCs from leaking salvage (e.g., lead-acid batteries, engine crankcases, air conditioning compressors, etc.); and
 - ✓ PCBs from leaking salvage including hydraulic oil or electrical transformer oils and ballast's.
- A brick company operated on the north-central section of the site from 1920s to the 1950s. A removable kiln and a pump house with a steel tank were located west and east of the brick company, respectively. The COPC associated with the brick company operations include:
 - ✓ SVOCs and VOCs from oil or solvent use; and
 - ✓ Heavy metals and hexavalent chromium from equipment and waste disposal in mined areas of the site.

- A pistol range was located on the northeastern portion of the site from 1950 to at least 1953. Other than aerial photographs and Sanborn Fire Insurance Maps, no records or permits for the pistol range were readily available. The COPC associated with a pistol range include lead and copper.
- Businesses involved in the processing, storage and sales of lumber occupied the eastern and western portions of the site from 1958 to the early 1990s. The lumber-related activities included a mill. Public records indicate that gasoline and diesel fuel underground storage tanks operated by the lumberyard were removed in 1988. Public records also indicated an explosive fire in the lumberyard as a result of accumulated sawdust. The COPC associated with the lumberyard and lumber mill operations include:
 - ✓ SVOCs and VOCs from diesel or gasoline releases from the USTs, fuel dispenser, or underground piping;
 - ✓ Heavy metals from waste oil spills or milling operations; and
 - ✓ PCBs from hydraulic lifts that may have been used on the site.
- Building permits indicated that a truck transportation yard and dispatch offices were located along Mines Avenue after 1968. The COPC related to truck transportation yards include:
 - ✓ Heavy metals, SVOCs, and VOCs from truck parts or maintenance areas; and
 - ✓ PCBs from hydraulic lifts that may have been used on the site.
- A building permit/inspection report contained information that a septic tank and two cesspools were backfilled with sandy soil. The septic tank and two cesspools are believed to be the brick-lined pits observed at the southeastern section of the site. All site excavation and grading work avoided the brick-lined pits. The COPC related to septic tanks and cesspools include:
 - ✓ SVOCs, VOCs, and PCBs from solvent, waste oil, or hydraulic oil disposal; and
 - ✓ Heavy metals and hexavalent chromium from disposal of waste oil, asphalt or other debris.
- A spill of 50 to 60 gallons of an unknown solvent was reported in March 2001, in the northeastern part of the site. The COPC associated with a waste solvent spill include VOCs.
- The project site has been undeveloped since 1994. The COPC associated with a vacant and undeveloped site include OCPs that may have been used for weed control.

From 1991 through 1994, after the demolition of all onsite structures, the project site was rough graded and overexcavated. CTL reviewed all available geotechnical and environmental reports for the project site but could not determine if excavated soil was removed from the site. The depth of the overexcavation was reported to extend to a maximum depth of 25 feet below original grade. The lateral extent of the overexcavation extended around the perimeter of the site except for the southeast corner, near the brick-lined pits. Evidently, past engineering contractors avoided the brick-lined pits and left the brick-lined pits and alluvial soil in place. There was no available reasonable explanation why the area of the brick-lined pits was not included in the excavation and regrading. Imported soils were reported by Action

Geotechnical Consultants to have been brought into the site, but the volume of imported soil was not reported. In addition, testing of import soil for hazardous substance contamination was not reported.

Currently, the project site is vacant and undeveloped and all access gates are locked. Only assigned MUSD personnel have keys to the locked access gates. Weed growth occurs throughout the site. A concrete sewer line bisects the western one-third section of the project site.

The potential release of COPC and the exposure to nearby sensitive receptors would include the following environmental transport mechanisms:

- Potential VOCs and SVOCs in the subsurface and the potential vertical transport through the subsurface ground cover and the subsequent release and transport to the residential areas located west of the subject site.
- The wind-blown dispersion of contaminated particulate matter from the soil surface on the subject site. The particulate matter may contain heavy metals or hexavalent chromium, SVOCs and PCBs that may adhere to wind-blown dust.

SECTION 5 – ENVIRONMENTAL SETTING

5.1 FACTORS RELATED TO SOIL PATHWAYS

5.1.1 Site and Regional Topography

The subject site can be found on the El Monte Quadrangle (USGS Topographic Map, 1966 Photorevised 1981) in Section 15, Township 2 South, Range 12 West. The subject site is located at approximate West Longitude 118° 07' and approximate North Latitude 34° 01'. The subject site also is depicted as Parcel 7 on page 27 in the Los Angeles County Assessor's Mapbook Number 6350.

The subject site is approximately 185 feet above mean sea level (USGS Topographic Map). The site has been unevenly graded. Regional topography slopes downward to the south.

Major geographic features within the site vicinity includes the Rio Hondo River, located approximately 0.75 mile east from the site, the Rio Hondo Holding Basin, located approximately 2.0 miles northeast from the site, and the Santa Ana (I-5) Freeway, located approximately 2.0 miles southwest from the site. The Pomona Freeway (I-60) is located approximately 1.8 miles north from the site.

5.1.2 Evidence of Environmental Impact

CTL's research into the historical records available on the subject site has identified the Yasuda Dump, salvage yard, lumber storage and milling, diesel and gasoline storage and truck dispatching offices as possible sources of hazardous substance/material releases into the subsurface. Inspections on the site did not reveal visible evidence of environmental impact from these historical site operations. However, there is visible evidence of possible environmental impact from the March 2001 solvent spill in the northeast section of the subject site and the two brick-lined pits in the southeast section of the subject site.

5.1.3 Soil Groups for the Site

Based on a description of soil borings from previous work at the site by Action Geotechnical Consultants, the site soil consists of non-engineered fill underlain by native soils. The fill consists of sandy clay, clayey sands, and silty clays. The native soils consist of sandy clay and clayey sand.

In general, the soils underlying the subject site are classified as Ramona-Placentia Association that occur on 2 to 5 percent slopes. Ramona soils are over 60 inches deep and are characterized by heavy loam, loam, or sandy loam surface layers about 18 inches thick. Dense clay loam or clay underlies these layers. The soils are well drained and have slow subsoil permeability. Placentia soils are over 18 inches deep and are moderately well drained and have very slow subsoil permeability. Subsoils consist of loam or sandy loam underlain by clay loam. (United States Department of Agriculture, Soil Conservation Service, Report and General Soil Map, Los Angeles County, California, rev. 1969).

5.1.4 Surface Slope of the Site

The topographic gradient in the subject site area slopes gradually from the north/northeast to the south/southwest. Based on a Department of Water Resources (DWR) "Lines of Equal Elevation" map, groundwater flows to the southwest.

5.1.5 Site Accessibility

The entire subject site is surrounded with a chain-link fence. The gates in the chain-link fence surrounding the vacant area of the subject site are always locked.

5.1.6 Direct Contact Prevention Measures

Access to the subject site by pedestrians is restricted by chain-link fences and locked gates to any unoccupied areas.

5.1.7 Distance and Location to Nearest Sensitive Receptor

Residential homes across Mines Avenue are the nearest sensitive receptors. There is also a sewer easement on the western segment of the site.

5.2 FACTORS RELATED TO WATER PATHWAYS

There have been no known or reported release or threat of a release of hazardous substances to surface waters on the subject site.

5.2.1 Site Hydrogeology

Site specific information was not found. The site is located in the Central Basin within the Coastal Plain of Los Angeles County (Department of Water Resources Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles County; DWR May 1990).

The site is underlain by Recent Alluvium and the Gage Aquifer, which comprises the Lakewood Formation, and the Hollydale, Jefferson, Lynwood, Silverado, and Sunnyside Aquifers, which comprise the San Pedro Formation (DWR). Regionally, groundwater occurs as shallow unconfined and/or confined aquifers at depths ranging from 10 to 150 feet below ground surface. These shallow (commonly perched) aquifers are composed of thin and discontinuous permeable sand lenses within less permeable silt and clay units. Perched water zones may exist at a shallower depth than indicated by nearby well data or identified aquifers.

Based on a DWR "Lines of Equal Elevation" map and the regional topography, groundwater flows to the southwest.

According to the LACDPW the nearest well is number 1542C located approximately 0.25 mile west from the site. Groundwater was last measured to be 95.0 feet below grade on April 28, 1999, at an elevation of 130 feet above mean sea level.

5.3 FACTORS RELATED TO AIR PATHWAYS

5.3.1 Potential Air Release

Potential air releases from the existing site conditions would include contaminated dust or particulate matter being dispersed from the surface soil during windy conditions. Any VOCs emitted from potential source areas would quickly disperse from the site and not be of concern.

5.3.2 Prevailing Daily Wind Parameters

With the exception of occasional Santa Ana wind conditions, the daily wind regime for the Los Angeles County area is for winds from the southwest and west to flow starting around 1:30 P.M.. The average daily wind speed is 3 to 5 knots. During Santa Ana wind conditions caused by high pressure over the Great Basin, winds can flow from the north or northeast at speeds up to 25 knots.

5.3.3 Local Climatic Factors

The subject site is located in an area of typical Mediterranean climate, characterized by warm, dry summers and mild winters. The mean temperature in the subject site vicinity ranges from approximately 54 degrees Fahrenheit (°F) in the winter to approximately 80° F in the summer. The annual precipitation is approximately 15 inches per year.

5.3.4 Timing of Release

The timing of the release would occur during Santa Ana or other wind conditions.

5.3.5 Possible Dispersion Route

Using the most conservative exposure route scenario, potentially contaminated particulate matter would disperse to the residential area south of the subject site during normal wind conditions. During Santa Ana wind conditions, potentially contaminated particulate matter would be dispersed north or northeast to workers in the commercial and industrial areas.

5.3.6 Approximate Population

The project site is undeveloped and unoccupied. The population density of the City of Montebello is 2,786 citizens per square kilometer with a total population of 59,564 and a total surface land area 21.383 square kilometers.

5.3.7 Miscellaneous Receptors

Any potential contaminated particulate dispersion into the surrounding areas would not seemingly impact any national/state parks, forest, or wildlife reserves, or historical landmarks. The closest sensitive receptors are the residential dwellings located across Mines Avenue to the south, and the employees of the MUSD bus maintenance yard to the northeast.

SECTION 6 – SAMPLING ACTIVITIES AND RESULTS

6.1 SAMPLING ACTIVITIES AND RESULTS

A final PEA Workplan, dated May 15, 2001, was submitted to the DTSC for review and approval. DTSC issued a conditional approval on the PEA Workplan on June 4, 2001 (See Appendix A). The field sampling plan presented in the PEA Workplan proposed soil vapor sampling and soil matrix sampling from 60 boring locations on the subject property. The locations of the soil matrix and soil vapor borings were based on a systematic sampling approach since the site was overexcavated and rough graded in the early 1990s. Several boring locations were focused at known source areas, such as the former USTs, the two brick-lined pits, and the March 2001 solvent spill. The depths and intervals of sample collection for the soil vapor and soil matrix borings were determined from the depth of the native soil and the distinct soil characteristics in the engineered soil layers.

The potential hazardous materials/substances associated with the historical operations on the project site was used to determine the analytical methods and COPC for the soil matrix and soil vapor sampling. These historical operations and associated COPC are provided below.

Historical Site Use	COPC
Yasuda Dump	Heavy metals, hexavalent chromium, SVOCs, VOC, methane, and hydrogen sulfide.
Salvage Yard	Heavy metals, SVOCs, VOCs, and PCBs.
Brick Company	Heavy metals, hexavalent chromium, SVOCs, and VOCs.
Lumber Mill/Storage	Heavy metals, VOCs, and SVOCs.
Truck Maintenance	Heavy metals, SVOCs, VOCs and PCBs.
Pistol Range	Lead and copper.
Brick-Lined Pits	SVOCs, VOCs, and heavy metals.
Gasoline and Diesel USTs	SVOCs, VOCs, and heavy metals.

Creosote, a chemical which is a petroleum distillate and a crude mixture of cresylic acid, may have been associated with the former lumber operations as a wood preservative, and is included in the soil matrix analysis. Other preservatives commonly used for wood treatment include naphthalate, arsenic compounds and pentachlorophenol. The SVOC compounds pentachlorophenol, tetrachlorophenol, 2-4 dimethylphenol, 2-methylphenol and 4-methylphenol 1 were analyzed with the SVOC analysis (EPA Method 8270C) and evaluated as marking chemicals for creosote contamination. Pentachlorophenol may include dioxin contaminants (impurities); therefore, soil matrix samples may be tested for dioxin contamination if pentachlorophenol is detected in any soil matrix samples.

The sampling activities and results are presented in the following three subsections of this PEA report. These subsections summarize the completed sampling activities (Section 6.2 – Summary of Activities),

present the analytical data (Section 6.3 – Presentation of Data), and provide a discussion of the results (Section 6.4 – Discussion of Results).

6.2 SUMMARY OF ACTIVITIES

The field sampling activities described in the approved PEA Workplan were implemented in June and July 2001. Since the site is unoccupied, the field sampling activities were completed on workdays and normal business hours. The sampling dates and activities are summarized in the following table.

Date of Activity	Sampling Activities
June 18, 2001	Five (5) soil matrix borings and one (1) soil vapor boring.
June 19, 2001	Three (3) soil matrix borings and five (5) soil vapor borings.
June 20, 2001	Four (4) soil matrix borings and two (2) soil vapor borings.
June 21, 2001	Five (5) soil matrix borings and six (6) soil vapor borings.
June 22, 2001	Seven (7) soil matrix borings and six (6) soil vapor borings.
June 25, 2001	Eight (8) soil matrix borings and six (6) soil vapor borings.
June 26, 2001	Six (6) soil matrix borings and six (6) soil vapor borings.
June 27, 2001	Four (4) soil matrix borings and four (4) soil vapor borings.
June 28, 2001	Five (5) soil matrix borings and five (5) soil vapor borings.
June 29, 2001	One (1) soil matrix boring and seven (7) soil vapor borings.
July 2, 2001	Four (4) soil matrix borings and eight (8) soil vapor borings.
July 3, 2001	Two (2) soil matrix borings and seven (7) soil vapor borings.
July 5, 2001	Six (6) soil matrix borings and eight (8) soil vapor borings.
October 22, 2001	Four (4) background borings at Greenwood Elementary School (GES).

During the soil matrix and soil vapor sampling conducted in June and July 2001, all field personnel signed and complied with the health and safety protocols listed in the site-specific Health and Safety Plans (See Appendix C – Health and Safety Plans).

During the field investigation, CTL took photographs for all sampling and field activities on the project site. Selected field photographs and photo descriptions are provided in Appendix D.

6.2.1 Soil Matrix Sampling

Vadose zone soil matrix samples were collected at 60 boring locations on the subject site. The vadose zone soil sampling locations were based on a systematic sampling grid applied across the entire project site. The systematic sampling approach was used because the rough grading and overexcavation activities (from 1991 to 1994) reengineered native and imported soils and either removed or redistributed all source locations associated with the historical industrial activities on the subject site. Focused sampling was conducted if a potential hazardous material release could impact soils below the reengineered soils (e.g., UST location), no soil excavation activities occurred (e.g., brick-lined pits and surrounding area), or in areas where there was a hazardous material release after the overexcavation activities (e.g., March 2001 solvent spill). Soil matrix samples were collected at the soil surface (0 to 6 inches bgs), in the engineered

fill layer, and below the native/fill interface (0 to 6 inches below the interface). The proposed soil matrix borings are provided in Figure 4. The actual soil matrix boring locations sampled are provided in Figures 17 and 18.

In order to evaluate the metal concentrations detected in the soil matrix samples collected from the 60 boring locations, background soil matrix samples were collected from Greenwood Elementary School (GWE). A total of five soil matrix samples (e.g., four background samples and one field blank) were collected at depths of six to twelve inches below ground surface (6 to 12 inches bgs) from four separate locations at GWE according to the requirements of the approved PEA Workplan. The soil matrix samples were analyzed for CAM 17 metals and hexavalent chromium by EPA Methods 6010B and 7199, respectively. The actual background boring locations at GWE are presented in Figure 19.

6.2.1.1 Soil Matrix Sampling Procedures

Continuous core drilling was used to conduct the soil matrix sampling. A direct-push-rod drill rig was used to advance a continuous core boring until native soil was encountered. The sample barrel of the continuous core was lined with acetate sleeves to collect the soil matrix samples. The continuous core was advanced at four-foot intervals and extracted for evaluation by a California Registered Geologist (RG) to determine soil characteristics, distinct soil layers, and to classify the soil according to USCS. The continuous core drilling at each boring was terminated when native soil was clearly identified by the onsite RG. Once the depth of the native soil was determined and the soil lithology classified, soil matrix samples were collected near the surface, near any distinct soil fill layers, and below the native/fill interface. Specifically, the soil matrix samples were collected at 0 to 6 inches bgs, at distinct fill soil layers, and 0 to 6 inches below the fill/native interface.

The soil matrix samples for CAM 17 metals, hexavalent chromium, SVOCs, OCPs, and PCBs were collected by cutting a 3 to 6-inch section of the soil-filled acetate sleeve. The end sections of the acetate sleeves were scraped and the volatile organics measured with a PID. When a soil matrix sample was collected for VOC analysis, approximately one-half inch of the soil was scraped off at the end of the acetate sleeve and a soil matrix sample collected with an EnCore sampler.

During drilling with a direct-push-rod drill rig, the core barrels and shoes were scrubbed clean with an Alconox solution and rinsed with deionized water.

During drilling operations, a PID was used to monitor the presence and level of organic vapors in the borings, to screen soil matrix samples, and to monitor the workers' breathing zone for health and safety purposes. The organic vapor readings were recorded on boring logs prepared by the RG during drilling activities. The boring logs recorded the following information: boring number and location, sample identification number, date and time, sample depth, lithologic description in accordance with USCS, description of any field evidence of soil contamination (i.e., odor, staining, debris) and PID readings. The soil boring logs for the soil matrix sampling are provided in Appendix E.

The background soil matrix samples were collected at 0-1 foot bgs using a three-inch hand auger and manual drive hammer. The manually driven core sampler was lined with two-inch diameter stainless steel sample sleeves. After removal of the soil samples from the core sampler, Teflon sheeting and polyurethane caps were placed over the ends of the soil sample and sealed with a custody seal. The custody seal was labeled with boring location, sample identification number, date and time of sample collection, company name, analytical method, and sampler's initials.

Soil matrix samples for VOC analyses were collected using an EnCore sampler. The EnCore sampler was used to sub-core a soil-filled acetate liner collected using a push-probe. Approximately one-half inch of soil was scraped off from the lower end of the sleeve, and the scraped area was immediately sub-cored. Three EnCore samplers were filled for each VOC soil sample. The soil samples were stored in an ice chest and delivered to the laboratory the same day they were collected and extracted and were analyzed within 48 hours of sample collection. The ends of the original soil matrix samples were sealed with Teflon sheeting and polyurethane caps, labeled, wrapped with Teflon tape, provided with sample labels or custody seals and sent to the laboratory along with the EnCore samples and chain-of-custody documentation.

Each borehole was drilled to the depth of the native/fill interface. Upon completion of soil sampling, the boreholes were backfilled with a cement slurry (5% bentonite) and the top four inches provided with soil to match the existing grade surface.

The soils encountered in the boring consist of fill material and native soil. The upper five feet of fill soils are comprised mostly of dry and loose, light yellow brown silt. The lower section of fill soil is comprised of brown to gray silt, clays and clayey to sandy silts. Fragments of brick and pieces of asphalt and concrete, with occasional glass and plastic were encountered in the soil samples. The native soil generally consists of light yellow brown, dark brown and gray silt. The maximum depth drilled was 40 feet bgs. Groundwater was not encountered in any of the borings. The thickness of the fill soil was mapped (Figure 20 – Isopach Map of Fill Soil), based on the field identification of the interface of the fill/native soil. The Isopach Map, in effect, represents the topography of the surface of the native soil buried under the fill. The map shows a large depression in the south central section of the site where the fill soil is thickest. A stratigraphic cross section of the subject site is presented in Figure 21. The stratigraphic cross sections A-A' through F-F' show the thickness of the fill soil in various sections of the subject site, as well as the configuration of the bottom of the excavation and the subsurface profile of the native soil.

6.2.1.2 Soil Matrix Analytical Procedures

Calscience conducted the analyses on the soil matrix samples. The analytical methods employed by Calscience and the method holding times are provided below.

Soil Matrix Compound	Analytical Method	Holding Time
Title 22 CAM 17 Metals	EPA Method 6010B	14 days to extraction and 40 days to analysis.
Hexavalent Chromium	EPA Method 7199	14 days to extraction and 40 days to analysis.
SVOCs	EPA Method 8270C	14 days to extraction and 40 days to analysis.
PCBs	EPA Method 8082	14 days to extraction and 40 days to analysis.
OCPs	EPA Method	14 days to extraction and 40 days to analysis.
VOCs	EPA Method 8260B	48 hours to analysis.
Soil Physical Properties	ASTM D2216, API RP40	Moisture content, bulk density, effective porosity, and air filled porosity.
Particle Size Summary	ASTM D4464	Median grain size and particle size distribution.

6.2.1.3 Soil Matrix Sampling Procedures

Surgical gloves were worn at all times when handling the soil core samples. After a sample was collected in an acetate or stainless steel sleeve, the ends of the soil matrix samples were covered with Teflon sheeting and sealed with polyurethane caps. Custody seals were then wrapped around the polyurethane caps. The soil samples were then labeled with the following information:

- Project Number
- Site Name/Location
- Sample Identification Number (Boring Number-Depth of Sample Collection)
- Sampler Initials
- Date and Time of Sample Collection
- Preservatives, if any

After labeling, the soil matrix samples were stored in chilled ice chests until sample pickup. The following protocol was followed for sample packaging.

- A self-adhesive custody seal was placed across each lid/cap for all sample containers.
- The soil matrix samples from each boring were placed in a clear, leak resistant plastic bag prior to placement in the ice chest. Each plastic bag contained the soil matrix samples from each boring, usually three to four samples. The plastic bags were labeled with boring number and sample date.
- Ice packs were placed in leak-resistant plastic bags and stored in the coolers to keep samples at a chilled temperature during transport to the laboratory (Calscience in Garden Grove, California).
- The Chain of Custody forms were placed in a water-resistant plastic bag and inserted into the sample chest.
- The sample chest was closed, moisture was wiped away from the exterior surfaces, and the lid was taped shut.
- A self-adhesive custody seal was then placed across the front closure of the sample cooler/chest.

Calscience picked up the sample chests at the project site each day of sampling and transported the samples to their laboratory in Garden Grove, California.

6.2.1.4 Soil Matrix Sample Documentation

The project manager maintained a field sampling logbook that documented any pertinent field sampling information. The logbook was bound and the pages consecutively numbered. All log entries contained a date, time and signed. Field sampling entries contained the following:

- Site name/location
- Onsite personnel names
- Team members and responsibilities
- Time of arrival and departure.
- Summary of any onsite meetings
- Deviations from sampling plan and rationale
- Any changes in personnel and responsibilities, as well as reasons of change
- Levels of safety protection
- Calibration readings of any equipment used and equipment model and serial number

Lithologic descriptions of the soil and debris encountered during soil matrix sampling were documented on boring logs compiled by a registered geologist. The soils were classified in accordance with the USCS, which included soil type, particle size and distribution, color, moisture content, and evidence of contamination. The soil matrix samples were also screened with a PID and the PID concentrations recorded on the boring logs.

All soil matrix samples were documented on Chain-of-Custody forms. The Chain-of-Custody sample documentation included the following:

- Consultant and client name
- Project name and number

- Project manager/contact name, address and email
- Phone and fax number
- Sample identification number (e.g., boring number and depth)
- Sampling date and time
- Sample matrix (e.g., soil, vapor, water)
- Requested analytical method (e.g., 6010B, 8270C, etc.)
- Preservatives, if any

6.2.1.5 Soil Matrix Quality Assurance

The following quality assurance procedures were conducted during the June and July 2001 soil matrix sampling activities.

- Surgical gloves were worn during all soil matrix sample handling.
- For continuous core sampling, the sample core barrel and shoe were washed with Alconox solution and rinsed with deionized water between all soil borings.
- For hand auger sampling, the sample core barrel was washed with Alconox solution and rinsed with deionized water between all soil borings.
- Equipment blank samples were collected with deionized water and analyzed for CAM 17 metals, hexavalent chromium, PCBs, OCPs, SVOCs, and VOCs.
- Each soil matrix sample was sealed with Teflon sheeting, polyurethane caps, and a custody seal and labeled with sample identification number, boring number, sample depth, date and time of sample collection, and initialed by the sampler.
- The soil matrix samples were immediately stored in a chilled ice chest.
- The chilled ice chest was sealed with custody tape at the end of each day; the date, time, company and sampler's initials were recorded on the custody tape.
- The sealed ice chest was picked up each day, under a chain-of-custody, and delivered to Calscience for analysis.
- All soil matrix samples were analyzed within the holding times for each analytical method.

6.2.1.6 Deviations from Sampling Plan and Rationale

The PEA Workplan required the collection of the following soil matrix samples (including QC samples):

- One hundred ninety-one (191) soil samples for SVOC by EPA Method 8270C (173 field samples and 18 duplicate samples).
- One hundred ninety-five (195) soil samples for CAM 17 metals by EPA Method 6010B (173 field samples, 18 duplicate samples and 4 background samples).
- Ninety-five (95) soil samples for PCBs by EPA Method 8082 (86 field samples and 9 duplicate samples).
- Forty (40) soil samples for hexavalent chromium by EPA Method 7199 (36 field samples and 4 duplicates).
- Twenty-one (21) soil samples for VOCs by EPA Method 8260B (17 field samples and 4 duplicates).
- Eleven (11) soil samples for OCPs by EPA Method 8081 (7 field samples and 4 duplicates).
- Four (4) soil samples for moisture content, bulk density, grain size, and porosity.

During the actual execution of the field sampling plan conditionally approved in the PEA Workplan, the following activities were conducted during the June and July 2001 field sampling and the background sampling.

- Two hundred-five (205) soil matrix samples were analyzed for SVOCs by EPA Method 8270C (183 field samples and 22 field duplicates).
- Two hundred-ten (210) soil matrix samples were analyzed for Title 22 CAM 17 metals by EPA Method 6010B (183 field samples, 22 field duplicates, and 4 background samples).
- One hundred-two (102) soil matrix samples were analyzed for PCBs by EPA Method 8082 (92 field samples and 10 field duplicates).
- Forty nine (49) soil matrix samples were analyzed for hexavalent chromium by EPA Method 7199 (39 field samples, 6 field duplicates, and 4 background samples).
- Thirty (30) soil matrix samples were analyzed for VOCs by EPA Method 8260B (26 field samples and 4 field duplicates).
- Thirteen (13) soil matrix samples were analyzed for OCPs by EPA Method 8081 (26 field samples and 4 field duplicates).
- Three (3) soil matrix samples were analyzed for soil physical parameters.
- Soil samples were to be collected from each soil boring at the surface soil (0 to 1 foot bgs), in the engineered fill layer, and below the native/fill interface. For soil boring SS42, soil samples were collected and analyzed in the surface soil (SS42-0.25) and the engineered fill layer (SS42-5); however, the soil sample below the fill/native interface (SS42-28) was not analyzed.

During the soil matrix sampling, the following field decisions were made in moving the soil matrix boring locations, discarding soil matrix samples, or changing the drilling method:

- Refusal was encountered at 14 feet bgs when drilling soil matrix boring SS7. CTL moved the location 5 feet west of SS7 and successfully drilled boring SS7A.

- The brick-lined pits contained a grout material, so the soil borings were moved within one foot outside each brick-lined pit.
- Drilling of soil matrix boring SS53 was terminated before reaching native soil. A void space was apparently encountered at 28 feet bgs, and soil cores could not be extracted.

6.2.2 Soil Vapor Sampling

Sampling of the soil vapor was conducted at 60 boring locations. The majority of the soil vapor sampling locations was based on a systematic sampling approach; seven of the 60 locations are biased to investigate the former UST location, brick-lined pits, and March 2001 solvent spill. Soil gas sampling and analysis were conducted in accordance with the Los Angeles Regional Water Quality Control Board (LARWQCB) Well Installation Procedures (WIP) guidelines provided in Interim Guidance for Active Soil Gas Investigations, dated February 25, 1997. The soil vapor sampling was conducted according to the PEA Workplan except for the field modifications explained in Section 6.2.2.5 (Deviations from Sampling Plan and Rationale). The proposed vapor boring locations are provided in Figure 4. The actual vapor boring locations sampled are provided in Figure 17 and 18.

The soil vapor sampling was conducted after the soil matrix sampling at the sample intervals determined by the onsite RG. The soil vapor sampling depths included:

- 1) In the fill material deeper than 5 feet bgs;
- 2) Two feet below the native/fill interface; and
- 3) In distinctly different soil layers encountered in the fill material.

6.2.2.1 Soil Vapor Sampling Procedures

Soil vapor borings were collected from 60 boring locations at the subject site. When conducting the soil vapor sampling, a stainless steel probe equipped with a hardened reverse thread steel tip (sample port) was advanced to a specified sampling depth using a direct-push drill rig. The specified sampling depth was determined from evaluating the continuous core borings during the soil matrix sampling. After reaching the specified sample depth, a ¼ inch polypropylene tube was inserted through the vapor probe and screwed to the sample port. An o-ring was used between the ¼ inch polypropylene tubing and vapor probe to prevent air leaks. The probe was then pulled up approximately ¼ to ½ inch to open the sampling ports to the soil. Bentonite chips were then placed around the soil probe rod and hydrated, creating a seal between the vapor probe and soil borings.

Purge testing was conducted at the beginning of the soil vapor sampling to determine the appropriate purge volume for the sampling system according to LARWQCB WIP protocol. Approximately five volumes of purge air were removed from each probe at a rate of 200 mL/min before sampling was initiated.

After removal of the purge air, soil gas samples were collected in a glass syringe at a sample rate of 200 mL/min. The collected soil vapor samples were immediately transferred to the mobile laboratory for direct injection into a gas chromatograph for analysis in accordance with the LARWQCB WIP guidance procedures, which are consistent with EPA Methods 8260B and 8021. The soil vapor samples were not in

contact with any sorptive materials. Once the soil vapor sampling was complete, the hole was backfilled with hydrated granular bentonite.

Tracer gas tests were completed to detect potential ambient air intrusion into the soil vapor sampling system. A paper towel moistened with isopropyl alcohol was inserted inside a plastic cup and placed over the soil vapor probe. The sample purging and sample collection was then completed. If isopropyl alcohol was detected in the soil vapor analysis, the soil vapor sampling was repeated. An air leak was detected during the soil vapor sampling on June 26, 2001. The cause of the air leak was a cracked o-ring that was replaced and the soil vapor sampling was repeated on later dates. For the soil vapor sampling completed during field investigation at the subject site, a total of 44 tracer gas tests were completed.

Duplicate field samples were collected from a minimum of 10 percent of the field samples using the test procedures previously described. In addition, a total of six duplicate samples were collected in six-liter Summa canisters for low-level VOC detection. Each Summa canister sample was extracted from the soil vapor sampling system after the field sample was collected using a low-flow control valve calibrated at 200 mL/min. Each Summa canister sample was collected for a period of 30 minutes. The low-flow control valve was purged after each sample collection.

The soil vapor samples were labeled with a sample identification number, sample date, sampling time, and sampler initials. In addition, the following sample identification data was documented on a field chain of custody form.

- Project Number
- Site Name/Location
- Sample Identification Number (Boring Number-Depth of Sample Collection)
- Sampler Initials
- Date and Time of Sample Collection
- Preservatives, if any

Following sample documentation, the soil vapor samples were handed to the onsite mobile laboratory for immediate sample analysis. For Summa canister samples, the above information was written on the sample label and a chain of custody form completed. The Summa canisters were picked-up by Calscience each day of sample collection and transported to their laboratory in Garden Grove, California for analysis of VOCs by EPA Method TO-14A.

All deviations from the PEA Workplan were documented in a field sampling logbook that documented any pertinent field sampling information. The logbook was bound and the pages consecutively numbered. All log entries contained a date, time and signed. Field sampling entries contained the following:

- Site name/location
- Recorders onsite personnel names
- Team members and responsibilities
- Time of arrival and departure.

- Summary of any onsite meetings
- Deviations from sampling plan and rationale
- Any changes in personnel and responsibilities, as well as reasons for change
- Levels of safety protection
- Calibration readings of any equipment used and equipment model and serial number

6.2.2.2 Soil Vapor Analytical Method

PCR Mobile Laboratories (PCR) of San Marcos, California conducted the analysis of the soil vapor samples. All soil vapor samples collected during the June and July 2001 field sampling were analyzed for VOCs; selected soil vapor samples were analyzed for methane and hydrogen sulfide. The analytical methods employed by PCR and the associated detection limits are provided below:

Soil Vapor Compound	Onsite Lab Analytical Method	Detection Limits
Methane	EPA Method 8015	3 ppmv
Hydrogen Sulfide	EPA Method 16	0.5 ppmv
VOCs	LARWQCB approved modified version of EPA Method 8021 and 8260B.	1 µg/L except for 0.25 µg/L for benzene and 0.10 µg/L for 1,1-dichloroethene and vinyl chloride.

LARWQC: Los Angeles Regional Water Quality Control Board
ppmv: Parts per Million by Volume

EPA: Environmental Protection Agency
µg/L: Micrograms per Liter

Duplicate soil vapor samples were also collected in Summa canisters for the low-level VOC detection of VOCs by EPA Method TO-15. Calscience in Garden Grove, California provided the Summa canisters and completed the VOC analysis.

6.2.2.3 Soil Vapor Handling Procedure

Vapor samples were collected in 60-milliliter glass sample syringes. After the samples were collected in the glass sample syringes, they were transferred under a chain-of-custody to the onsite mobile laboratory. The onsite laboratory logged in the samples and conducted an immediate analysis of the soil vapor samples.

6.2.2.4 Soil Vapor Quality Assurance

The following quality assurance procedures were conducted during the June and July soil vapor sampling event:

- Tracer gas tests were completed, on average, every three soil vapor samples. Isopropyl alcohol was the tracer chemical used during the soil vapor sampling. Soil vapor sampling was repeated for samples collected between failed tracer gas tests.
- Surgical gloves were worn during all soil vapor sampling. The surgical gloves were removed and replaced after each soil vapor sample.
- A bentonite seal was placed around the soil boring and sampling probe during sampling of all soil vapor borings on the subject site.

- Duplicate samples were collected from a minimum of 10 percent of the total soil vapor samples collected for onsite analyses of methane, hydrogen sulfide and VOCs.
- Six Summa canisters were used to collect soil vapor samples for offsite analysis of VOCs by EPA Method TO-15. These duplicate samples were collected in six-liter evacuated Summa canisters at a sample rate of 200 mL/min.
- A new sample line (polypropylene tubing) was used to collect each soil vapor sample. After each sample was collected, the tubing was disposed of in a dedicated trash bag and removed from the site at the completion of the field sampling.
- Purge volume tests were conducted during the soil vapor sampling.
- A Summa canister trip blank accompanied all Summa canisters used during the June and July 2001 soil vapor sampling.
- Once the soil vapor samples were collected in the 60-milliliter sample syringes, the samples were labeled and immediately transferred to the mobile laboratory for immediate analysis.
- The soil vapor samples collected in 6-liter Summa canisters were labeled and transferred to Calscience Environmental Laboratories the day of the sampling event. Calscience Environmental Laboratories analyzed the Summa canisters for VOCs by EPA Method TO-15 within 48 hours of receiving the samples.

6.2.2.5 Deviation from Sampling Plan and Rationale

The PEA Workplan required the collection of the following soil vapor samples (including QC samples):

- One hundred thirty-eight (138) soil gas samples for VOCs by LARWQCB WIP Guidance consistent with EPA Methods 8260B or 8021B (125 field samples and 13 field duplicates).
- Seven (7) soil gas samples (in Summa canisters) for VOCs by EPA Method TO-15 (6 field samples and one trip blank).
- Twenty-four (24) soil gas samples for hydrogen sulfide for onsite analysis by EPA Method 16 (20 field samples and 4 duplicates).
- Twenty-four (24) soil gas samples for methane analyzed onsite by a modified EPA Method 8015.

In the actual execution of the field sampling plan, the following was conducted during the June and July 2001 field sampling:

- One hundred forty-five (145) soil gas samples were analyzed for VOCs, by the onsite mobile laboratory (122 field samples and 23 field duplicates).
- Thirty-four (34) soil gas samples were analyzed for methane and hydrogen sulfide by the onsite mobile laboratory (30 field samples and 4 field duplicates).
- Seven (7) soil gas samples were collected in Summa canisters for low-level VOC detection (6 field samples and 1 trip blank).

During the soil vapor sampling, the following field decisions were made in moving soil vapor boring locations, discarding soil vapor samples, or changing the drilling techniques.

- Refusal was encountered at 14 feet bgs when drilling soil vapor boring SV7. CTL moved the location 5 feet west of SS7 and successfully drilled boring SV7A.

- The brick-lined pits contained a grout material, so the soil borings were moved within one foot outside each brick-lined pit.
- Soil vapor sample SV46-18.5 could not be collected. A void space was encountered in the area and the probe tips fell into the void space. At one point approximately 50 feet of tubing was inserted into a 20-foot section of probe while trying to connect the sample port to the polypropylene tubing.
- Drilling at the subject site was difficult during the soil matrix and soil vapor sampling. The tight and compact soils encountered during drilling broke multiple vapor probe rods and consistently knocked sample ports off the vapor probes. As a result, numerous soil vapor samples could not be collected using the direct-push rod method at depths greater than 25 feet bgs even though several attempts were conducted on each soil vapor boring. The following soil vapor samples could not be collected during the June and July 2001 field activities: SV7A-26, SV17-33, SV21-31, SV22-31, SV23-38, SV24-26, SV27-30, SV28-37, SV29-30, SV34-30, SV35-30, SV40-31, SV42-30, SV43-27, SV53-34, SV54-27, SV55-25, SV56-25, and SV57-25.

No other deviations from the approved PEA Workplan was conducted for the soil vapor sampling.

6.3 PRESENTATION OF DATA

6.3.1 Soil Matrix Sampling

The soil matrix sampling results for all potential contaminants of concern are provided in the following tables:

Table 6-1 – Soil Matrix Sampling Results for CAM 17 Metals

Table 6-2 – Soil Matrix Sampling Results for Hexavalent Chromium

Table 6-3 – Soil Matrix Sampling Results for SVOCs

Table 6-4 – Soil Matrix Sampling Results for VOCs

Table 6-5 – Soil Matrix Sampling Results for PCBs

Table 6-6 – Soil Matrix Sampling Results for OCPs

Table 6-7 – Geotechnical Sample Results

The duplicate sample results are included in Tables 6-1 through 6-7. The soil matrix analytical reports (Calscience) and chain-of-custody documentation are provided in Appendix F.

6.3.2 Soil Vapor Sampling

The soil vapor sampling results, including field duplicates, for VOCs, methane, and hydrogen sulfide are summarized in Table 6-8. The PCR Laboratories analytical report and chain-of-custody records for the soil vapor sampling are located in Appendix G.

The quality control duplicates for low-level VOC detection are summarized in Table 6-9. The Calscience analytical reports and chain-of-custody documentation for the Summa canisters is provided in Appendix F with the soil matrix samples.

6.3.3 Quality Assurance

The equipment blank sample results and trip blank sample results are provided in the following tables after Section 6.4.

Table 6-10 – Equipment Blank Results for CAM 17 Metals

Table 6-11 – Equipment Blank Results Results for Hexavalent Chromium

Table 6-12 – Equipment Blank Results Results for SVOCs

Table 6-13 – Equipment Blank Results Results for VOCs

Table 6-14 – Equipment Blank Results for PCBs and OCPs

The quality assurance results are provided in the Calscience analytical reports located in Appendix F.

6.4 DISCUSSION OF RESULTS

6.4.1 Soil Matrix Sampling

A total of 210 soil matrix samples were collected during the field sampling activities on the subject site. These soil matrix samples include field samples, field duplicates, and background samples collected at an offsite location. Selected samples were analyzed for CAM 17 metals, hexavalent chromium, SVOCs, VOCs, PCBs and OCPs. The following is a discussion of the soil matrix sampling results.

6.4.1.1 CAM 17 Metals and Hexavalent Chromium

A total of 210 samples were analyzed for CAM 17 metals (EPA Method 6010B) by Calscience. These soil matrix samples included 183 field samples, 22 field duplicates, 4 background samples, and 1 background duplicate.

Forty nine (49) soil matrix samples were analyzed for hexavalent chromium (EPA Method 7199) by Calscience. These soil matrix samples included 39 field samples, 5 field duplicates, 4 background samples, and 1 field duplicate.

The metals detected in the soil matrix samples include antimony, arsenic, barium, beryllium, cadmium, chromium (total), cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, zinc, and hexavalent chromium. In Section 7.2 (Selection of Chemicals of Potential Concern) and Table 7-2 (Soil Metal Comparison to Background Concentrations) a step-wise screening process is conducted to identify which metal concentrations are COPCs. For the subject site, the following metals are identified as COPCs and will be evaluated in the Human Health Screening Evaluation (Section 7): Antimony, arsenic, barium, beryllium, cadmium, total chromium, cobalt, lead, mercury, molybdenum, nickel, selenium, silver and thallium. The metals copper, vanadium, zinc, and hexavalent chromium were eliminated as COPC because the maximum, 95% UCL, and mean onsite concentrations were less than the maximum, 95% UCL, and mean background concentrations. The following is a brief summary of the metals identified as COPCs.

No.	Metals Identified as COPC	Frequency of Detection (%)	Max. Detected Concentration (mg/kg)	Sample Location	Sample Depth (Feet bgs)
1	Antimony	11.48	6.61	SS44	13
2	Arsenic	91.26	42.1	SS44	13
3	Barium	100.00	526	SS37	5
4	Beryllium	100.00	0.761	SS46	4.5
5	Cadmium	97.27	1.74	SS34	7.5
6	Total Chromium	100.00	64.6	SS46	4.5
7	Cobalt	100.00	18.6	SS46	4.5
8	Lead	100.00	558	SS24	9.5
9	Mercury	90.71	0.896	SS25	0.5
10	Molybdenum	27.32	4.05	SS34	7.5
11	Nickel	100.00	61.4	SS46	4.5
12	Selenium	36.07	3.15	SS34	7.5
13	Silver	4.92	1.06	SS17	0.5
14	Thallium	8.20	0.953	SS6	0.25

6.4.1.2 SVOCs

Two hundred five (205) soil matrix samples were analyzed for SVOCs (EPA Method 8270C) by Calscience. These soil matrix samples included 183 field samples and 22 duplicate samples. Twenty-one (21) SVOC chemicals were detected in the soil matrix samples collected from the project site and will be evaluated in Section 7 (Human Health Screening Assessment) as COPC. A summary of the detected SVOCs is presented below.

No.	SVOCs	Frequency of Detection (%)	Max. Detected Concentration (mg/kg)	Sample Location	Sample Depth (Feet bgs)
1	Acenaphthene	0.55	0.51	SS28	17
2	Anthracene	1.09	0.41	SS28	17
3	Benzo (a) Anthracene	2.19	0.38	SS2	0.5
4	Benzo (a) Pyrene	2.19	0.48	SS2	0.5
5	Benzo (b) Fluoranthene	1.64	0.74	SS2	0.5
6	Benzo (g,h,i) Perylene	1.64	0.25	SS47	14.5
7	Benzo (k) Fluoranthene	2.19	0.76	SS2	0.5
8	Bis (2-Ethylhexyl) Phthalate	6.56	1.2	SS5	11
9	Butyl Benzyl Phthalate	0.55	0.53	SS9	0.5
10	Chrysene	4.37	0.72	SS2	0.5
11	Dibenz (a,h) anthracene	0.55	0.10	SS2	0.5
12	Di-n-Butyl Phthalate	0.55	0.14	SS53	0.25

13	Di-n-Octyl Phthalate	1.64	0.41	SS53	10
14	Fluoranthene	2.73	0.92	SS51	0.5
15	Fluorene	0.55	1.5	SS28	17
16	Indeno (1,2,3-c,d) Pyrene	2.19	0.18	SS2	0.5
17	1-Methylnaphthalene	0.55	6.9	SS28	17
18	2-Methylnaphthalene	0.55	6.4	SS28	17
19	Naphthalene	1.64	3.6	SS28	17
20	Phenanthrene	3.28	2.5	SS28	17
21	Pyrene	4.92	1.9	SS51	0.5

6.4.1.3 VOCs

Thirty (30) soil matrix samples were analyzed for VOCs (EPA Method 8260B) by Calscience. These soil matrix samples included 26 field samples and four field duplicates. Eighteen (18) VOCs were detected in the soil matrix samples collected from the project site and will be evaluated in Section 7 (Human Health Screening Assessment) as COPC. A summary of the detected VOCs is presented below.

No.	VOCs	Frequency of Detection (%)	Max. Detected Concentration (mg/kg)	Sample Location	Sample Depth (Feet bgs)
1	1,2,4-Trimethylbenzene	3.85	0.00095	SS13	7
2	2-Butanone	23.08	0.037	SS53	32
3	4-Methyl-2-Pentanone	7.69	0.0054	SS13	7
4	Acetone	88.46	0.38	SS53	32
5	Benzene	42.31	0.0068	SS22	29
6	Bromomethane	7.69	0.0040	SS53	32
7	Carbon Disulfide	38.46	0.039	SS53	32
8	Chloromethane	7.69	0.0016	SS53	32
9	Ethylbenzene	3.85	0.0010	SS13	17
10	Isopropylbenzene	11.54	0.014	SS28	17
11	Methyl-t-Butyl Ether (MTBE)	7.69	0.0021	SS53	32
12	Methylene Chloride	92.31	0.0081	SS53	32
13	n-Butylbenzene	3.85	0.051	SS28	17
14	n-Propylbenzene	3.85	0.0086	SS28	17
15	Sec-Butylbenzene	7.69	0.10	SS28	17
16	Tetrachloroethene	3.85	0.0028	SS53	32
17	Toluene	57.69	0.0059	SS13	17
18	Xylenes (total)	23.08	0.00325	SS17	17

6.1.4.4 PCBs

One hundred two (102) soil matrix samples were analyzed for PCBs (EPA Method 8082) by Calscience. These soil matrix samples included 92 field samples and 10 field duplicates. Two PCB compounds (e.g., Aroclor-1254 and Aroclor-1260) were detected in the soil matrix samples collected from the project site and will be evaluated in Section 7 (Human Health Screening Assessment) as COPC. A summary of the detected PCBs is presented below.

No.	PCBs	Frequency of Detection (%)	Max. Detected Concentration (mg/kg)	Sample Location	Sample Depth (Feet bgs)
1	Aroclor-1254	3.26	0.240	SS43	0
2	Aroclor-1260	4.35	0.580	SS16	5

6.4.1.5 OCPs

Thirteen (13) surface soil samples were analyzed for OCPs (EPA Method 8081A) by Calscience. These soil matrix samples included 11 surface samples and two field duplicates. Six OCP compounds were detected in the soil matrix samples collected from the project site and will be evaluated in Section 7 (Human Health Screening Assessment) as COPC. A summary of the detected OCPs is presented below.

No.	OCPs	Frequency of Detection (%)	Max. Detected Concentration (mg/kg)	Sample Location	Sample Depth (Feet bgs)
1	Dieldrin	2.73	0.0025	SS51	0.5
2	4,4'-DDE	4.54	0.0068	SS9	0.5
3	4,4'-DDD	2.73	0.0028	SS51	0.5
4	4,4'-DDT	5.45	0.011	SS9	0.5
5	Chlordane	2.73	0.057	SS6	0.25
6	Toxaphene	9.09	0.480	SS2	0.5

6.4.2 Soil Vapor Sampling

One hundred forty-five (145) soil vapor samples were collected at the subject site during the June and July 2001 field activities. All soil vapor samples were immediately analyzed onsite, after sample collection, by PCR for VOCs. Thirty-four (34) soil vapor samples were analyzed for methane and hydrogen sulfide. The results of the soil vapor sampling on the project site showed the following.

- 1,1,2-Trichlorotrifluoromethane was detected in the following soil vapor samples: SV10-5, SV22-6, SV31-6, SV44-18.5, SV50-6.5, and SV51-5.5. The highest detected 1,1,2-Trichlorofluoromethane concentration (1.6 µg/L) was detected in soil vapor sample SV31-6. The detected concentrations of 1,1,2-Trichlorofluoromethane will be evaluated in the human health risk evaluation.

- Methane was detected in eight of the 30 field samples, not including field duplicates. The highest detected methane concentration was 500 ppmv from soil vapor sample SV50-15.

The detection limit for VOCs, when following the LARWQCB WIP protocol, is greater than analyzing VOC samples in a laboratory by EPA Method TO-15. For example, the detection limit for 1,1,2-Trichlorotrifluoromethane (F113) using an onsite laboratory according to LARWQCB WIP protocol is 1 µg/L or 128 ppbv at standard temperature and pressure, where as the detection limit for 1,1,2-Trichlorotrifluoromethane by EPA Method TO-15 is 0.50 ppbv. Therefore, CTL collected six soil vapor samples in Summa canisters for VOC analysis by EPA Method TO-15. The results of the low-level VOC sampling and analysis produced the following:

- Twenty-seven (27) VOCs were detected above method detection limits in the six Summa canister samples. The 27 VOCs were detected at very low levels and will be evaluated in the screening risk evaluation.

6.4.3 Quality Assurance Samples

Equipment blank samples were collected each day of soil matrix sampling. If more than 20 soil matrix samples were collected in a single day, a second set of equipment blank samples was also collected. In addition, a VOC trip blank accompanied all VOC soil matrix samples obtained on the project site. The number of equipment blank and trip blank samples on the project site and the targeted contaminants are provided below.

Soil Matrix Contaminants	Number of Equipment Blanks	Number of Trip Blanks
CAM 17 Metals	17	0
Hexavalent Chromium	16	0
SVOCs	17	0
PCBs	17	0
OCPs	15	0
VOCs	14	10

The results of the quality assurance samples showed the following:

- Barium, total chromium, copper, molybdenum, nickel, selenium, silver, vanadium, and zinc were detected in some of the equipment blank samples. The concentrations detected in the equipment blank samples, or water samples, were substantially lower than the method detection limit for the soil matrix analysis. Therefore, all detected metal concentrations in the soil matrix samples will be evaluated in the screening risk evaluation.
- Four of the 16 equipment blank samples for hexavalent chromium resulted in detected hexavalent chromium concentrations. The highest detected hexavalent chromium concentration in the

equipment blank samples was 2.0 µg/L, which is below the method detection limit for soil matrix samples.

- Bis (2-ethylhexyl) phthalate, a common laboratory contaminant, was detected in 4 of the equipment blank samples. Moreover, di-n-octyl phthalate, also a common laboratory contaminant, was detected in 5 of the equipment blanks samples.
- Acetone, bromodichloromethane, bromoform, 2-butanone, carbon disulfide, chloroform, dibromochloromethane, 1,2-dichlorobenzene, p-isopropyltoluene, toluene, 1,2,3-trichloropropane, p/m-xylene, and methyl-t-butyl-ether (MTBE) were detected in some of the equipment blank samples.
- Acetone, bromodichloroethene, carbon disulfide, chloroform, dibromochloromethane, 1,2-dichlorobenzene, p-isopropyltoluene, naphthalene, and p/m-xylene, were detected in some of the trip blank samples.

6.5 INVESTIGATIVE-DERIVED WASTE

The following Investigative-Derived Waste (IDW) was produced from the field sampling activities in June and July 2001:

- Soil cores in acetate sleeves from the continuous soil coring
- Rinse water from cleaning sample core barrels and heads

The IDW listed above was stored in 55-gallon DOT drums; the drums were labeled, sealed, and placed in a secure area on the site pending disposal. Composite samples were collected and analyzed for waste characterization. The composite samples were analyzed for CAM 17 metals (EPA Method 6010B), SVOCs (EPA Method 8270C), VOCs (EPA Method 8260B) and TRPH ((EPA Method 418.1) or TPH (EPA Method 8010M) by Caltech Environmental Laboratories (Caltech), Paramount, California. As requested by Belshire Environmental Services, Inc. (BESI), the samples with a metal concentration above defined hazardous material levels were further analyzed for Toxic Characteristic Leaching Procedure (TCLP) and Soluble Threshold Limit Concentration (STLC). The waste profiles were submitted to BESI for proper disposal. On December 21, 2001, the DOT drums were removed from the site and transported to TPS Technologies in Adelanto, California for treatment or disposal. The waste profile analytical report is provided in Appendix H.

6.6 QUALITY ASSURANCE IMPLEMENTATION

To evaluate the data reported from the laboratory, several steps were taken to verify the quality of the data and consistency between field and laboratory activities. Chain-of-custody (COC) forms were checked before final delivery of the samples to the laboratory. Upon receipt of the laboratory reports, the chain-of-custody documentation was checked against the analyses conducted to ensure that all requested samples had been analyzed and to insure that laboratory quality assurance was performed in accordance with the

requirements of each specific EPA testing method. Results reported by the laboratory were compiled in tabular form, and the data input to the tables was then verified. The Data Validation Reports for the analytical data reported by PCR Mobile Laboratories and Calscience Environmental Laboratories are provided in Appendix J. The following is a summary of the Quality Assurance/Quality Control (QA/QC) results.

Holding Times

Sample holding times are determined by comparing the field sample dates and times noted on a COC to the laboratory-reported preparation and analysis time. All technical holding times were met for the samples collected.

Laboratory Quality Control Samples

- Method blank results were reviewed to identify whether laboratory contamination of the soil and soil vapor analytical data had potentially occurred. All method blank results were found to be either non-detect or below the reporting limit except two method blanks. The detected concentration of zinc of sample 097-01-002-2,515 and 097-01-002-2,527 are 1.62 mg/kg and 1.15 mg/kg, respectively, which were slightly above the detection limit of 1.00 mg/kg.
- Surrogate recoveries were reviewed to ensure that laboratory equipment was accurately measuring contaminant concentrations within acceptable ranges. Surrogate recoveries were found to be within acceptable ranges except one sample. For sample SS28-17, the recovery of 1,4-bromofluorobenzene was 18%, which is below the acceptable range 46-141% due to matrix interference.
- Laboratory Control Samples (LCS), Matrix Spikes (MS), and their associated duplicates (LCSD/MSD) were reviewed for method validation purposes. Review of the method validation data included: spike and percent recovery, upper and lower control limits, upper and lower warning limits for each analyte, and relative percent difference (RPD) of duplicate recoveries. The following qualifiers applied to a limited number of the Calscience MS data:

Qualifier	Definition
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.

4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
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Field Quality Control Samples

- Twenty-two equipment blank samples were collected from the final de-ionized rinse water used to decontaminate the soil matrix sampling equipment. The equipment blanks were handled as a sample and transported to the laboratory for metals, hexavalent chromium, organochlorine pesticides, PCB, SVOC, and VOC analysis. Laboratory results indicated non-detect for all analytes tested.
- Trip blanks are used to detect contamination by volatile organics during sample shipping and handling. Trip blanks are 40mL volatile organic analysis (VOA) vials of ASTM Type II water (or equivalent) that are filled in the laboratory, preserved with hydrochloric acid, transported to the sampling site, and returned to the laboratory with VOA samples. A total of three trip blank samples were analyzed for the presence of VOCs. Laboratory results indicated non-detect for all analytes tested.
- Field duplicate samples included analysis of duplicate soil and soil vapor samples collected at a frequency of approximately 10%. Comparison of the primary and duplicate sample results indicate that the concentrations are reasonably similar.

QA soil vapor samples were collected in 6-Liter Summa canisters and sent to a fixed laboratory and analyzed for VOCs. Soil vapor samples SS6-5', SS11-15.5', SV-28-17', SS54-15', SS55-15', and SV59-5' were analyzed by Calscience for VOCs by EPA Method TO-14A. The detected VOC concentrations for the TO-14A analysis are compared with the mobile laboratory results for each Summa canister sample in Table 6.9. The results show that the detected VOC concentrations in the Summa canister samples are either below the reporting limits for the soil vapor samples analyzed by EPA Method 8260B or are within the same order of magnitude for the VOCs detected by EPA Method 8260B.

SECTION 7 – HUMAN HEALTH RISK ASSESSMENT

7.1 INTRODUCTION

The PEA screening evaluation for human health effects involves identifying potential chemicals of concern, and comparing a calculated dose for these chemicals to health-based levels developed by the USEPA and DTSC. For the purpose of the PEA screening evaluation, potential health risks associated with exposures to chemicals detected at the subject site is estimated based on a hypothetical residential land-use scenario.

Tables 6-1 through 6-9 present the chemicals detected in soil and soil gas at the subject site. The chemicals detected at the project site at concentrations higher than detections in blank samples have been summarized in Tables 7-1a, 7-1b, and 7-1c. This table also presents the frequency of detection and the minimum, maximum and average concentrations detected for each analyte. The standard deviation and the 95 percent upper confidence limit on the mean (95UCL) concentration were also calculated for each analyte and are presented in Table 7-1a, 7-1b, and 7-1c. The 95UCL concentration was estimated using only the primary samples. For soil samples with a primary and duplicate, the highest concentration between the primary and duplicate samples was used to quantify the 95UCL. Non-detected concentrations were replaced by one-half the method detection limit. The purpose of this risk evaluation was to assess the potential health risks that could occur from the combined exposure to chemicals detected in soil and soil gas at the subject site. Potential health risks to a hypothetical resident were estimated using 95UCL concentrations. For comparison, maximum detected concentrations were also used in estimating potential risk and are presented in Appendix I.

Exposure to chemicals can only occur if there is a complete pathway by which chemicals in soil, water, or air can be contacted by humans. The potential exposure pathways for hypothetical onsite receptors are presented in Figure 22. Potential doses and associated risk are calculated based on an evaluation of potential exposure concentrations of chemicals of concern and the toxicity of the chemicals. The findings of the human health screening evaluation are summarized in the risk characterization summary. The uncertainty section presents factors in the risk assessment that may result in an overestimation or underestimation of risk for risk management consideration. Risk and hazard estimates based on 95UCL concentrations are also presented in the discussion of uncertainty. Risk and hazard estimates based on maximum detected concentrations are presented in Appendix I.

7.2 SELECTION OF CHEMICALS OF POTENTIAL CONCERN

As described in current USEPA and DTSC risk assessment guidance, the purpose of selecting chemicals of potential concern (COPCs) is to focus the assessment on those chemicals that could reasonably be expected to pose a significant health risk. COPCs were selected so that the most prevalent, and potentially toxic, compounds detected at the subject site (i.e., those chemicals that represent the greatest potential threat to human health and/or environmental receptors) were quantitatively evaluated in the screening health evaluation. Two selection criteria were used to select the COPCs for this evaluation:

- Background Concentrations - All organic chemicals detected at the project site were considered to be at levels above background. For metals, elements detected in soil at concentrations higher than background concentrations were considered to be COPCs.
- Laboratory Contaminants - Chemicals detected in equipment blanks at concentrations higher than those detected in soil samples were considered to be laboratory contaminants and were not considered to be COPCs. The only chemicals considered to be laboratory contaminants were bis (2-ethylhexyl) phthalate and di-n-octyl phthalate (Table 6-12).

For metals, following DTSC risk assessment guidance, only the metals found at the subject site at a concentration significantly higher than their corresponding background concentrations were included as COPCs in this risk evaluation. Soil samples considered to represent background soil concentrations were collected at the project site. Soil samples B1 through B4 were collected at a depth of one foot at GES. As these samples are considered to represent background soil concentrations, a “max-to-max” comparison was conducted to determine if metals detected at the subject site are higher than mean background concentrations. The background comparison of metals is presented in Table 7-2. A metal element was considered to be a COPC only if its site maximum was higher than their corresponding California Human Health Screening Levels (CHHSLs) for residential soils, maximum background value, and if the dataset was indicative of two populations, as indicated by a coefficient of variation (CV) greater than 1 (Table 7-2).

Carcinogenic PAHs (cPAHs) were excluded from this risk evaluation based on a comparison to the background PAH levels in southern California. A benzo(a)pyrene toxicity equivalent (B[a]P-equivalent) concentration had to be estimated using a toxicity equivalency factor (TEF) approach. TEFs are based on shared characteristics that can be used to rank the class of chemicals by carcinogenic potency. Benzo(a)pyrene was used as the reference chemical for expressing the carcinogenic potency of the other cPAHs. Therefore, the cPAHs are indexed to benzo(a)pyrene using the TEFs listed below for the seven cPAHs:

CPAHs	TEFs
benzo(a)anthracene	0.1
benzo(a)pyrene	1.0
benzo(b)fluoranthene	0.1
benzo(k)fluoranthene	0.1
Chrysene	0.01
dibenz(a,h)anthracene	0.34
indeno(1,2,3-cd)pyrene	0.1

Calculation of total B[a]P-equivalent concentrations for the individual soil samples with at least one detection of a cPAH is presented in Table 7-3. The TEFs were multiplied by the concentrations of the

individual cPAHs. The seven adjusted concentrations are then added together to yield a total B[a]P-equivalent concentration. All soil samples were below the 95 Upper Tolerance Limit (95 UTL) concentration of 0.9 mg/kg that is considered representative of background PAH concentrations in southern California soils (ENVIRON 1998). PAH concentrations at this site are considered to be within southern California background levels and are thus eliminated as a COPC.

7.2.1 Statistical Analysis of Data

A statistical analysis of soil and soil gas data was conducted to define the statistical distribution of the data, the maximum detected concentration, the average concentration, standard deviation, coefficient of variability and the 95UCL.

The statistical analysis was conducted using the USEPA developed software ProUCL (Version 3.0; Singh, Singh and Maichle, 2004). ProUCL was chosen because it was specifically developed to evaluate environmental data and it calculates multiple types of confidence limits. ProUCL printouts showing the 95UCLs for chemicals detected in soil and soil gas at the Site are presented in **Appendix K**.

The USEPA (1992) recommends that the one-sided upper 95UCL be used as an upper bound chemical concentration that can be expected at a site. The 95UCL provides reasonable confidence that the true site average will not be underestimated (USEPA, 1992). According to the USEPA (1989) and DTSC (1996), risk assessment exposure concentrations should use the 95UCL for each COPC unless the 95UCL exceeds the maximum detected concentration for a particular chemical. Where the 95UCL exceeds the maximum detected concentration, the maximum detected concentration is used as the upper limit exposure concentration (USEPA, 1989). The 95UCL can exceed the maximum detected concentration for several reasons, including small sample sizes and large sample variances.

When analytes were below the detection limit, one-half the detection limit value was assumed for the concentration (USEPA, 1989). The results of the statistical analysis are presented in **Table 7-1a, 7-1b, and 7-1c**.

7.2.2 Statistical Analysis of Soil Analytical Data

The purpose of the statistical analysis was to determine whether there are any distribution patterns in the soil arsenic data. The statistical methods used in the arsenic data evaluation were taken directly from DTSC's policy for selecting chemicals of potential concern at hazardous waste sites and permitted facilities (DTSC, 1997). The first objective of the statistical analysis is to determine if the soil arsenic data is likely to be drawn from the same population (i.e., all samples collected from a non-contaminated site). For this type of analysis, the DTSC recommends to "construct a table showing [...] the frequency of detection, range of detected values, range of sample quantitation limits, arithmetic means, standard deviations, and coefficients of variation. Typically, data drawn from just one population will display a range of detected values of no more than 2 orders of magnitude and a coefficient of variation of no greater than 1. When either of these conditions is not met, one must suspect that values representative of contamination have been included in the population." (DTSC 1997, Section 7.3, page 4). The table recommended by the DTSC has been constructed for this analysis and is presented as follows.

Number of Samples	=	211
Minimum detected value	=	0.404 mg/kg
Maximum detected value	=	42.1 mg/kg
Mean concentration	=	4.27 mg/kg
First quartile (Q1)	=	1.21 mg/kg
Median	=	2.83 mg/kg
Third quartile (Q3)	=	6.50 mg/kg
95 th percentile	=	11.76 mg/kg
98 th percentile	=	14.03 mg/kg
95% UCL of mean	=	4.78 mg/kg
Standard deviation	=	4.56
Coefficient of variation	=	1.07
Order of magnitude range	=	2.29

As can be seen in the above table, the conditions stipulated by the DTSC for one population data (i.e., detected values within 2 orders of magnitude and coefficients of variation of less than 1) are not met by the soil arsenic data. Therefore, based on this analysis it can be concluded that soil arsenic data were probably drawn from at least two populations. In other words, results of this analysis seem to indicate that there might be some outliers in the soil arsenic data.

In an effort to determine whether outliers are present in the data, outliers were identified by constructing a cumulative probability plot for the soil arsenic data. The cumulative probability plot for the soil arsenic data is presented in [Figure 23](#). As can be seen in [Figure 23](#), the cumulative probability plot for the soil arsenic data produced a continuous line and one isolated point. These results indicate that the highest detected arsenic concentration at the site is likely to be an outlier.

The statistical analysis conducted here for the soil arsenic data is considered to be appropriate for the determination of site contamination. In fact, the DTSC has stated that “the combination of the descriptive statistics and the cumulative frequency plot form an extremely powerful and useful tool for identifying ambient conditions.” (DTSC 1997, Section 4.5, page 5).

The potential presence of outliers in the data was further evaluated using a “Fourth Spread” analysis as recommended by Dr. Brian Endlich of the DTSC’s Human and Ecological Risk Division. The Fourth Spread (Fs) of the soil arsenic data was obtained using the following formula:

$$Fs = (Q3 - Q1)$$

Where:

- Fs = Fourth spread (mg/kg)
- Q3 = Third quartile (11.60 mg/kg)

Q1 = First quartile (4.83 mg/kg)

The estimated Fs for the Site is 5.29 mg/kg.

Outliers for the upper bound of the site-specific arsenic concentration are defined as:

$$\begin{aligned} & \text{All data points greater than } Q3 + [1.5 \times Fs] \\ & \text{or} \\ & 6.5 \text{ mg/kg} + [1.5 \times 5.29 \text{ mg/kg}] = 14.44 \text{ mg/kg} \end{aligned}$$

According to these calculations, any soil arsenic concentration higher than 14.44 mg/kg is considered to be an outlier. Of the 211 soil samples collected at the site, only one sample contained arsenic at a concentration higher than the estimated upperbound background concentration.

Soil Arsenic Data Interpretation Summary

More than 99 percent of the soil samples collected in soil at the Site contained arsenic at levels considered to be within ambient levels. Only one out of 211 soil samples collected exceeded the upper bound background concentration.

It should be noted that the 95UCL concentration estimated here (4.78 mg/kg) is lower than the 95%Upper Confidence Limit of the 99th percentile background arsenic concentration (6.0 mg/kg; DTSC 2006) for the entire LAUSD area. Therefore, exposures for future receptors are likely to be within levels experienced by other receptors located within the LAUSD area.

The conclusion that arsenic in soil is likely to be within background level is further supported by the following observations:

- There is no apparent distribution in the soil arsenic data that indicates the presence of arsenic “hot spots” or release points. **Figure 24** presents the arsenic concentrations detected in soil and their sampling locations. As can be seen in **Figure 24**, arsenic in soil appears to be randomly distributed with no consistently elevated concentrations at any location within the Site.
- Soils in Southern California are known to be naturally rich in arsenic (DTSC 2006).
- More than 99 percent of the soil samples collected at the Site were found to contain arsenic at concentrations deemed to be within ambient levels.
- Only soil sample SS44 contained arsenic at a concentration deemed to be higher than background levels. However, this sample was collected at a depth of 13 feet below ground surface. This sample is too deep to be accessible to future onsite receptors.

Since arsenic levels in soil are considered to be ubiquitous within the Site, arsenic was not identified as a COPC in this risk evaluation.

7.3 EXPOSURE PATHWAYS AND MEDIA OF CONCERN

7.3.1 Conceptual Site Model

As discussed in Section 2.0, the subject site is currently 14.5 acres of undeveloped land. The surface cover on the subject site consists of bare soil with moderate weed and grass growth. As a fire protection measure, the weeds and grass are cut annually. The subject site is bounded to the north by a railroad easement and two Chevron pipelines (e.g., petroleum and natural gas). To the south of the subject site are single-family residential homes. Located east of the subject site are MUSD's school bus maintenance yard and light industrial facilities. To the west are a bakery, dairy and residential properties.

Consistent with agency guidance for baseline risk assessments, it was assumed that the subject site was uncovered and that bare soils were available for contact. However, once the project site is developed it is anticipated that the current ground surface will be covered with buildings, pavement and landscaped areas. Children attending school at the project site in the future may be exposed to site-related chemicals through incidental ingestion, dermal contact, and inhalation of vapors and particulates from chemicals in soil. In addition, due to the volatile nature of some of the detected chemicals, the potential exists for vapor migration from the subsurface into structures on the subject site. Therefore, the indoor air pathway was also evaluated. In accordance with PEA guidance, exposures to chemicals at the project site were evaluated assuming hypothetical residential exposures.

Figure 22 presents the conceptual site model (CSM) for the subject site.

7.3.2 Soil Exposure Pathways

Chemicals of potential health concern detected at the subject site include metals, semi-volatile organic compounds such as polynuclear aromatic hydrocarbons (PAHs), pesticides, and VOCs. Therefore, the potential exists for humans to contact these chemicals through direct dermal contact with the soil and incidental soil ingestion.

7.3.3 Water Exposure Pathways

Groundwater at the subject site is found at a depth of more than 95 feet below ground surface. It is anticipated that future occupants of the project site will obtain their drinking water from municipal sources and not from onsite wells. Therefore, the direct and indirect exposure to groundwater is not considered to be a complete exposure pathway for future site occupants. Similarly, no permanent surface water bodies occur on the subject site or in its immediate vicinity. Therefore, exposures to surface water were not evaluated.

7.3.4 Air Exposure Pathways

Several pesticides, metals, and other semi-volatile compounds were detected in soil at the subject site. Exposure to these chemicals may occur through chemicals being sorbed to airborne particulates. Therefore, residential exposure to fugitive dust was evaluated for metals, pesticides and semi-volatile compounds.

Volatile chemicals detected in soil at the subject site were detected in soil matrix samples. Because these compounds are volatile, humans could potentially be exposed to vapors migrating through the soil to the surface. Therefore, both outdoor and indoor air exposures were evaluated for volatile chemicals detected in soil. The following sections describe the methods used to estimate potential chemical concentrations in indoor and outdoor air.

7.3.4.1 Fugitive Dust Inhalation

Several SVOCs and metals were detected in soil at the subject site (see **Tables 7-1b and 7-1c**). Exposure to these chemicals may occur via inhalation of fugitive dust. Inhalation exposure to non-volatile compounds is typically minor in fugitive dust when compared to direct ingestion exposure (USEPA, 2002). Nevertheless, a relationship must be estimated between the chemical concentration in soil and the concentration in air due to fugitive dust emissions from surface soil.

The DTSC, in their PEA guidance manual (1999), recommends using 0.05 mg/m^3 , which is the National Ambient Air Quality Standard (NAAQS) for the annual average respirable portion of suspended particulate matter, to estimate the chemical concentration in air. This approach is highly conservative since the DTSC assumes that the dust concentration in air is equal to the NAAQS of 0.05 mg/m^3 and that 100% of the chemical detected in soil is present in dust (DTSC, 1999). USEPA (2002) and DTSC recommend using a particulate emission factor (PEF) to model COPC concentrations in airborne dust as an alternative approach for residential exposures.

The PEF represents an annual average emission rate based on wind erosion. The PEF equation can be found in the *Soil Screening Guidance: User's Guide* (USEPA, 2002). The emissions part of the PEF equation is based on the "unlimited reservoir" model developed to estimate particulate emissions due to wind erosion (Cowherd et al., 1985). The dispersion part of the PEF equation includes a dispersion coefficient (Q/C) in units of grams per square meter-second per kilogram per cubic meter ($\text{g/m}^2\text{-s per kg/m}^3$).

For this project site, the Q/C value of $39.15 \text{ g/m}^2\text{-s per kg/m}^3$ was selected as the inverse of the mean concentration at the center of a 14-acre square source in Los Angeles, California (USEPA, 2002). Using this Q/C term and the default assumption of 50 percent vegetative coverage, a PEF value of $5.7\text{E}+08 \text{ m}^3/\text{kg}$ was calculated for the subject site (**Table 7-4**). The PEF is used in this screening evaluation to estimate inhalation exposures to particulates at the subject site. The initial soil chemical concentration was assumed to be the 95UCL concentration estimated for each non-volatile chemical of concern at the subject site.

7.3.5 Summary of Selected Exposure Pathways

For the purpose of this PEA screening evaluation, the hypothetical onsite resident was assumed to be exposed to semi-volatile compounds, pesticides, and metals in site soil by direct dermal contact, incidental ingestion, and inhalation of airborne particulate. For volatile chemicals detected in site soil, exposure was assumed to occur via direct dermal contact, incidental ingestion, and inhalation of vapors in indoor air. **Table 7-5** presents the exposure assumptions used to define the hypothetical residential receptors at the subject site.

95UCL concentrations were calculated for the COPCs detected at the subject site and used as exposure point concentrations (EPCs). These EPCs were subsequently used to estimate potential risk to hypothetical residents. In accordance with PEA guidance for the screening evaluation, the maximum detected chemical concentrations were also evaluated as potential EPCs for comparison and is presented in **Appendix I**.

7.4 TOXICITY ASSESSMENT

The toxicity assessment characterizes the relationship between the magnitude of exposure to a COPC and the nature and magnitude of adverse health effects that may result from such exposure. For purposes of calculating exposure criteria to be used in risk assessments, adverse health effects are classified into two broad categories — noncarcinogens and carcinogens. Toxicity values/exposure criteria are generally developed based on the threshold approach for noncarcinogenic effects and the nonthreshold approach for carcinogenic effects. Toxicity values may be based on epidemiological studies, short-term human studies, subchronic or chronic animal data.

In this assessment, chronic toxicity criteria were selected (in order of preference) from the following sources: Cal/EPA Cancer Potency Factors (OEHHA, 2007), USEPA's (2007) Integrated Risk Information System (IRIS) and USEPA Health Effects Assessment Summary Tables (HEAST); as referenced in the Region IX Preliminary Remedial Goals table (USEPA, 2004).

7.4.1 Carcinogenic Effects

Certain chemicals are regulated as carcinogens based on the likelihood that exposure could cause cancer in humans. Numerical estimates of cancer potency for these chemicals are presented as cancer slope factors (CSFs). The CSF defines the cancer risk due to constant lifetime exposure to one unit of a carcinogen (in units of risk per mg/kg-day). CSFs are derived by calculating the 95UCL on the slope of the linearized portion of the dose-response curve using the multistage cancer model on study data. Use of the 95UCL of the slope means that there is only a 5% chance that the probability of a response could be greater than the estimated value for the experimental data used. This is a conservative approach and may overestimate the actual risk given that the actual risk is expected to be between zero and the calculated value. Cancer slope factors assume no threshold for effect; if there is in fact threshold for carcinogenicity, the true risks could be zero at sufficiently low doses.

Table 7-6 presents the CSFs used in this assessment.

7.4.2 Noncarcinogenic Effects

For the purpose of assessing risks associated with noncarcinogenic effects, the USEPA has adopted a science policy position that protective mechanisms such as repair, detoxification, and compensation must be overcome before an adverse health effect is manifested. Therefore, a range of exposures exists from zero to some finite value (a threshold) that can be tolerated by the organism without appreciable risk of adverse effects occurring.

Noncarcinogenic effects were evaluated using reference doses (RfDs) developed by the USEPA. The RfD is a health-based criterion based on the assumption that thresholds exist for noncarcinogenic toxic effects (e.g. liver or kidney damage). In general, the RfD is an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime of exposure (USEPA, 1989). RfDs are expressed as acceptable daily doses in milligrams of compound per kilogram of body weight per day (mg/kg-day). Most RfDs are based on oral exposure data.

Table 7-6 presents the RfDs used in this assessment.

A toxicity criterion for one chemical, benzo(g,h,i)perylene, was not found. Therefore, this chemical was evaluated by using toxicity criteria from fluoranthene as a surrogate.

7.4.3 Health Effects From Lead

Adverse health effects associated with exposure to lead have been correlated with concentrations of lead in whole blood and not with intake of lead by an individual. DTSC considers blood-lead concentrations of over 10 µg/dl as levels that could indicate adverse effects. The health effects of lead were evaluated by using the DTSC lead model (Leadsread Version 7.0) to predict the percentile blood lead concentration for child and adult populations. The lead model results table is presented in Appendix I.

7.5 RISK CHARACTERIZATION

Risk characterization involves estimating the magnitude of the potential adverse health effects of the hazardous chemicals under study and making summary judgments about the nature of the health threat to the defined receptor populations. The first step in the calculation of health risks is to determine the potential chemical exposure (dose) for each receptor at the subject site. Then, the calculated doses are multiplied by cancer slope factors to determine potential incremental cancer risks. The following sections present the calculation of exposure factors for adult and child residents at the subject site.

7.5.1 Quantification of Total Inhalation Exposure

The potential inhalation exposures were calculated using the following equation:

$$ADD\ inhalation = \frac{CA \bullet IhR \bullet EF \bullet ED}{BW \bullet AT}$$

where:

ADD	=	Average daily dose, mg/kg-day
CA	=	Chemical concentration in air, mg/m ³
IhR	=	Inhalation rate, m ³ /day
EF	=	Exposure frequency, days/year
ED	=	Exposure duration, years
BW	=	Body weight, kg
AT	=	Averaging time, days (70 years for carcinogens and a value equal to the exposure duration for noncarcinogens) times 365 days per year.

Exposure parameters used to characterize adult and child receptors are presented in Table 7-5.

7.5.2 Quantification of Total Ingestion Exposure

Direct ingestion of chemical-bearing soil has been identified to be a potential exposure pathway for on-site receptors. Typically, incidental soil ingestion may occur if an individual eats, drinks, smokes, or participates in recreational activities near contaminated soil. Oral intake of soil or dust is mathematically expressed by:

$$ADD\ ingestion = \frac{CS \bullet IR \bullet EF \bullet ED \bullet CF}{BW \bullet AT}$$

where:

CS	=	Chemical concentration in soil, mg/kg
IR	=	Ingestion rate, mg/day
CF	=	Conversion factor, 1.0E-6 kg/mg

All others as previously defined.

7.5.3 Quantification of Total Dermal Exposure

Direct dermal contact with chemical-bearing soil has been identified to be a potential exposure pathway for on-site receptors. The dermal intake factors were estimated by the following equation:

$$ADD_{dermal} = \frac{CS \cdot DSA \cdot DAF \cdot AF \cdot EF \cdot ED \cdot CF}{BW \cdot AT}$$

where:

- DSA = Dermal surface area, cm²/day
- DAF = Dermal absorption factor, unitless
- AF = Adherence factor, mg/cm²
- All others as previously defined.

7.5.4 Incremental Cancer Risk Calculation

Cancer risks were estimated as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to a potential carcinogen (i.e., incremental or excess individual lifetime cancer risk; USEPA, 1989). Cancer risks were calculated in accordance with DTSC (1996a) and USEPA (1989) guidelines.

$$Risk = (LADD) \cdot SF$$

$$LADD = ADD \text{ estimated with an } AT \text{ of } 70 \text{ years}$$

where:

- Risk = Upper bound incremental lifetime cancer risk, unitless
- LADD = Lifetime averaged daily dose, mg/kg/day
- SF = Cancer slope factor, (mg/kg/day)⁻¹

Calculated cancer health risks are typically compared to agency benchmarks of increased average lifetime cancer risks ranging from one-in-ten-thousand to one-in-a-million (1.0E-4 to 1.0E-6).

Table 7-7 summarizes the chemical-specific incremental cancer risks estimated for hypothetical future receptors at the subject site. The total incremental cancer risk for hypothetical residential exposure to soil through direct contact (including incidental ingestion, dermal contact, and fugitive dust inhalation) was estimated as 2.4E-06 using 95UCL concentrations derived for soil samples collected within the interval between 0 to 10 feet bgs. The estimated incremental cancer risks for the hypothetical future receptors at the subject site are higher than the DTSC cancer risk threshold of 1.0E-06. However, for soil samples

collected at depths greater than feet bgs, the total incremental cancer risk for hypothetical residential exposures was estimated as 4.1E-07 using 95UCL concentrations.

7.5.5 Non-Cancer Health Hazard Calculation

The evaluation of non-cancer health hazards began with a calculation of the hazard quotient or HQ for each chemical. The HQ is defined as the ratio of the average daily dose of chemical (ADD) to the reference dose (RfD). The HQ can be expressed according to the following equation:

$$HQ = \frac{ADD}{RfD}$$

where:

HQ	=	Hazard quotient, unitless
ADD	=	Average daily dose, mg/kg/day
RfD	=	Reference dose, mg/kg/day

The HQs for each chemical and all exposure pathways were summed to estimate the hazard index (HI) for each receptor as follows:

$$HI = \sum_n^I HQ_i$$

where:

HI	=	Hazard index, unitless
HQ _i	=	Hazard quotient, unitless

According to the USEPA (1989), if the HQ for a combination of chemicals is less than unity (1.0), there is no concern for potential chronic adverse health effects from the chemical exposures.

Using the estimated 95UCL exposure point concentrations for each COPC (Tables 7-1b and 7-1c), the total hazard index from residential exposures to surface soil, via incidental ingestion, dermal contact, and fugitive dust inhalation, was estimated to be 0.13 for the soil interval between 0 to 10 feet bgs. For soil samples collected at depths greater than feet bgs, the total hazard index for hypothetical residential exposures was estimated as 0.037 using 95UCL concentrations. For both soil intervals, the estimated noncancer hazards for hypothetical future receptors are less than the benchmark of 1. The calculated hazard quotients for each chemical and the total hazard index are presented in Table 7-7.

7.5.6 Cancer Risks and Non-Cancer Health Hazards from Exposure to Indoor Air

The potential cancer risks and health hazards that may result from residential exposure to indoor air at the subject site were estimated using the Johnson and Ettinger (1991) model. Model input and output parameters and assumptions are presented in [Appendix I](#). A summary of the estimated health risks and hazards is presented in [Table 7-8](#).

The total incremental cancer risk for on-site residents potentially exposed to vapors emanating from VOCs in soil gas into indoor air was estimated to be 9.4E-07 using 95UCL soil vapor concentrations. The estimated incremental cancer risk is less than the DTSC cancer risk threshold of 1.0E-06.

The total hazard index for on-site residents potentially exposed to indoor air vapors emanating soil gas was estimated to be 0.13 using 95UCL soil vapor concentrations. The estimated noncancer hazard is less than the benchmark of 1.

7.5.7 Lead Exposure Health Hazards

Given the unique toxicological and pharmacological properties of lead, the HQ and HI method is inappropriate for this chemical. Instead, blood-lead levels that may result from exposure to lead-containing soil are calculated. In this case, the DTSC's Leadsread model (Version 7.0) was used to calculate blood-lead levels for hypothetical adult and child residents at the subject site. The estimated blood-lead levels were then compared against target blood-lead levels established by the DTSC. The DTSC has indicated that blood-lead levels lower than 10 µg/dl are protective of the general population. The DTSC also recommends that the resulting blood-lead level should be protective of up to 99 percent of the population.

Based on the maximum detected soil lead concentration of 558 mg/kg, the DTSC's Leadsread model predicts 99th percentile blood-lead concentrations of 4.9 µg/dl for the adult resident and 16.4 µg/dl for the child resident. The estimated blood-lead level for child residents exceeds the acceptable target blood-lead level of 10 µg/dl ([Appendix I](#)).

7.6 UNCERTAINTY ANALYSIS

It is important to fully specify the assumptions and uncertainties inherent in the risk assessment for two reasons: (1) to place the risk estimates in proper perspective, and (2) to identify key site-related variables and assumptions that contribute most to the conclusions reached in the risk assessment. The focus of this section is also to highlight parameters and site conditions that contribute most to the predicted risks.

Results of the human health screening evaluation indicated that the chemical which contributed to the majority of the risk estimate was Aroclor-1260 and lead. However, the risk from exposure to Aroclor-1260 was 1.1E-06, which is essentially equivalent to the DTSC cancer risk threshold of 1.0E-06. Given that these two chemical constituents account for the majority of the estimated cancer risks, it is important to take a closer look at each "risk driving" chemical.

7.6.1 Arsenic

Although arsenic was not selected as a COPC and not quantitatively evaluated, it does warrant some further discussion. The maximum detected arsenic concentration in soil was 42.1 mg/kg (SS44-13; Table 6-1). This sample was collected at a depth of 13 feet below ground surface. The depth of this soil sample makes this soil inaccessible to future occupants of the subject site. In fact, the highest arsenic concentration detected in the upper 10 feet of soil (14.0 mg/kg in soil sample SS35-5) was deemed to be within background concentrations.

7.6.2 Lead

The maximum lead concentration detected in soil at the subject site was 558 mg/kg (SS24-9.5; Table 6-1). However, the second highest concentration detected was 78.1 mg/kg (SS38-0.5; Table 6-1). The high lead concentration detected in soil sample SS24-9.5 seems to be an anomaly since only one of 183 samples contained the high lead concentration. In addition, the high-value sample was detected at a depth of 9.5 feet below ground surface. This soil sample seems to be at a depth which is highly unlikely to be accessible to future occupants of the subject site.

When the 95UCL soil lead concentration (30 mg/kg) was entered into the Leaspread model, the model predicted a 99th percentile blood-lead concentration of 3.4 µg/dl for the adult resident and 5.2 µg/dl for the child resident. The estimated blood-lead level for both the adult and child residents is lower than the maximum acceptable target blood lead level of 10 µg/dl (Appendix I).

It should be noted that the actual, proposed land use for the project site is for a high school, which would involve much less intensive exposures than those assumed in this screening risk evaluation. Because a screening evaluation contains multiple sources of uncertainty, simplifying assumptions are often made so that health risks can be estimated quantitatively. Since the exact amount of uncertainty cannot be quantified, the screening evaluation is intended to overestimate rather than underestimate probable risk. The results of this assessment therefore, are likely to be protective of health despite the inherent uncertainties in the process.

Cancer risks for all pathways were based on a residential exposure of 350 days per year for 30 years. A more realistic exposure scenario for a school site would be to assume an exposure frequency of 183 days per year (traditional school year) for a duration of 6 years, representing an elementary school exposure. If these assumptions were incorporated in the assessment, exposures and risks would be reduced.

SECTION 8 – ECOLOGICAL SCREENING EVALUATION

8.1 ECOLOGICAL SCREENING EVALUATION

DTSC requires that the ecological component of the screening evaluation follow the approach in DTSC's Guidance for Ecological Risk Assessment at Hazardous Waste Sites and Permitted Facilities, dated July 4, 1996. The ecological component of the screening risk evaluation is qualitative instead of quantitative (DTSC, 1999). The ecological screening evaluation relies on the professional judgment of the preparer to qualitatively evaluate the potential risk to nonhuman receptors posed by contaminants from practices on the site (page 2-31, Section 2.6, DTSC, 1999). The approach used in conducting the ecological screening evaluation, as recommended by DTSC, is "to identify exposure pathways between areas of contamination and biota or habitats, which occupy or potentially could occupy the site or areas affected by the site".

The project site has been historically used for light industrial activities. The project site is currently vacant and contains no biota or habitats of concern. Future development of the project site will be a public high school. Redevelopment of the site or surrounding areas as natural habitats is not anticipated nor planned.

Based on a search of the following resources, no potential or existing ecological receptors were identified within a two-mile radius of the site. The resources searched include:

- California Native Plant Society, 1994. California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of America. February, 1994. Special Publication No. 1, 5th Edition.
- Steinhart, 1990. California's Wildlife Heritage, Threatened and Endangered Animals in the Golden State. California Department of Fish and Game.
- State of California Department of Fish and Game, 1992. Annual Report on the Status of California State-listed Threatened and Endangered Animals and Plants.

Therefore, there are no biota or habitats either on the site or within the site vicinity that could potentially be impacted by the onsite chemicals of concern. It is our conclusion that the site does not pose a risk to the environment and therefore, an ecological evaluation is not warranted.

SECTION 9 – COMMUNITY PROFILE

In September 2000, State legislation was passed (Assembly Bill 2644) that no longer required the completion of a community profile. Per the California Education Code (CEC), Public Participation requirements, MUSD notified the immediate residents in the area of the subject site of the sampling activities at least 5 days before the commencement of the work. The CEC defined “immediate area” as being in the direct line-of-sight of the project site. With the enactment of Assembly Bill 2644, a community profile is not required in a PEA.

Per the California Education Code, Public Participation requirements, The MUSD notified the immediate area residents of the PEA fieldwork at least 5 days prior to beginning work. The CEC defined ‘immediate area’ as being the direct line of sight around the perimeter of the worksite.

For this revised PEA report, a 30-day public review will be conducted after submittal to the DTSC. Upon DTSC approval, MUSD will complete public participation activities including notification flyers to the surrounding community, advertisements in the local periodicals, and a public meeting to solicit public responses.

SECTION 10 – CONCLUSIONS AND RECOMMENDATIONS

10.1 CONCLUSIONS

Based on the findings of the various sampling events documented in this PEA Report, the objectives of the investigations have been met and the following can be concluded:

- With few exceptions, there is no evidence of significant impacts to the subject site.
- The soil vapor sampling identified 1,1,2-trichlorofluoromethane detected in 8 of the 145 soil vapor samples analyzed onsite by a mobile laboratory. Additionally, 27 VOCs were detected at low concentrations in the six Summa canisters collected at the subject site. The total incremental cancer risk for onsite residents potentially exposed to vapors emanating from VOCs in soil gas into indoor air was estimated to be 9.4×10^{-7} using 95UCL soil vapor concentrations. The estimated incremental cancer risk is less than the DTSC cancer risk threshold of 1.0×10^{-6} . The total hazard index for onsite residents potentially exposed to indoor air vapors emanating soil gas was estimated to be 0.13 using 95UCL soil vapor concentrations. The estimated noncancer hazard is less than the benchmark of 1.
- The highest methane concentration (500 ppm) detected during the soil gas survey is below the DTSC recommended cautionary level (1,000 ppm) provided in the Advisory on Methane Assessment and Common Remedies at School Sites (DTSC, 2005). A methane concentration above 1,000 ppmv may require further investigation.
- The soil matrix sampling identified arsenic at a minimum detected concentration of 0.40 mg/kg to a maximum concentration of 42.1 mg/kg. The maximum arsenic concentration (42.1 mg/kg) was detected at a depth of 13 feet bgs from soil sample SS44-13. The depth of this soil sample makes this soil inaccessible to future occupants of the subject site.
- A site-specific upper bound arsenic concentration was calculated to be 14.44 mg/kg in Section 7.2.2 of this PEA. Of the 211 soil samples collected at the subject site, only the soil sample with the maximum detected arsenic concentration (42.1 mg/kg ay SS44-13) was higher than the estimated upper bound background concentration (14.44 mg/kg). Since more than 99 percent of the soil samples collected in soil at the subject site contained arsenic at levels considered to be within ambient levels and the maximum arsenic concentration (42.1 mg/kg) was detected at 13 feet bgs, arsenic was not identified as a COPC.
- The soil matrix sampling identified lead at a minimum detected concentration of 1.45 mg/kg to a maximum concentration of 558 mg/kg (SS24-9.5). The high lead concentration detected in soil sample SS24-9.5 seems to be an anomaly since only one of 183 samples contained lead concentrations above the DTSC screening value of 255 mg/kg for lead. In addition, the high-value

sample was detected at a depth of 9.5 feet bgs. This soil sample seems to be at a depth which is highly unlikely to be accessible to future occupants of the subject site. When the 95UCL soil lead concentration (30 mg/kg) was entered into the DTSC Leaspread model (Version 7.0), the model predicted a 99th percentile blood-lead concentration of 3.4 µg/dl for the adult resident and 5.2 µg/dl for the child resident. The estimated blood-lead level for both the adult and child residents is lower than the maximum acceptable target blood lead level of 10 µg/dl.

- The soil matrix sampling identified detectable concentrations of SVOCs, PCBs, and OCPs. The total incremental cancer risk for hypothetical residential exposure to these chemicals detected in soil through direct contact (including incidental ingestion, dermal contact, and fugitive dust inhalation) was estimated as 2.4×10^{-6} using 95UCL concentrations derived for soil samples collected within the interval between 0 to 10 feet bgs. The estimated incremental cancer risks for the hypothetical future receptors at the subject site are higher than the DTSC cancer risk threshold of 1.0×10^{-6} . However, for soil samples collected at depths greater than 10 feet bgs, the total incremental cancer risk for hypothetical residential exposures was estimated as 4.1×10^{-6} using 95UCL concentrations. The chemical which contributed to the majority of the risk estimate was Aroclor-1260. However, the risk from exposure to Aroclor-1260 was 1.1×10^{-6} , which is essentially equivalent to the DTSC cancer risk threshold of 1.0×10^{-6} .
- The total hazard index from residential exposures to SVOCs, PCBs and OCPs in surface soil, via incidental ingestion, dermal contact, and fugitive dust inhalation, was estimated to be 0.13 using 95UCL concentrations derived from soil samples collected between 0 to 10 feet bgs. For soil samples collected at depths greater than 10 feet bgs, the total hazard index for hypothetical residential exposures was estimated as 0.037 using 95UCL concentrations. For both soil intervals, the estimated noncancer hazards for hypothetical future receptors are less than the benchmark of 1.
- Based on the estimated depth to groundwater (greater than 95 feet bgs) and the low concentrations of the chemicals detected at the subject site, current and historical activities at the subject site have not impacted groundwater.

10.2 RECOMMENDATIONS

Based on the findings of this PEA investigation, there is no evidence of significant impacts to the subject site from historical and/or current uses. Therefore, based on the findings of the PEA investigation and the results of the human health screening evaluation, no further action is recommended for the subject site.

SECTION 11 – REFERENCES

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U.S. Environmental Protection Agency (USEPA). 1989. Risk Assessment Guidance for Superfund: Volume I - Human Health Evaluation Manual (Part A). Office of Emergency and Remedial Response. Washington, D.C.

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Sanborn Fire Insurance Maps

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ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

October 14, 2015

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Client Name: HDR
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Montebello, CA 90640 Phoenix, AZ 85018
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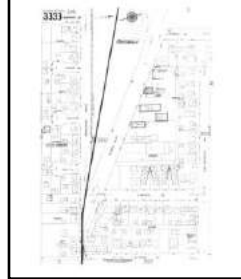
Volume 33, Sheet 3328



Volume 33, Sheet 3331



Volume 33, Sheet 3332



Volume 33, Sheet 3333

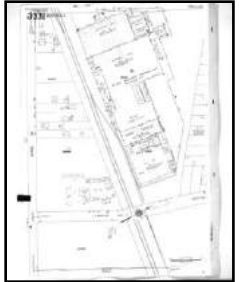


Volume 33, Sheet 3334

1950 Source Sheets



Volume 33, Sheet 3328



Volume 33, Sheet 3331



Volume 33, Sheet 3332



Volume 33, Sheet 3333



Volume 33, Sheet 3334

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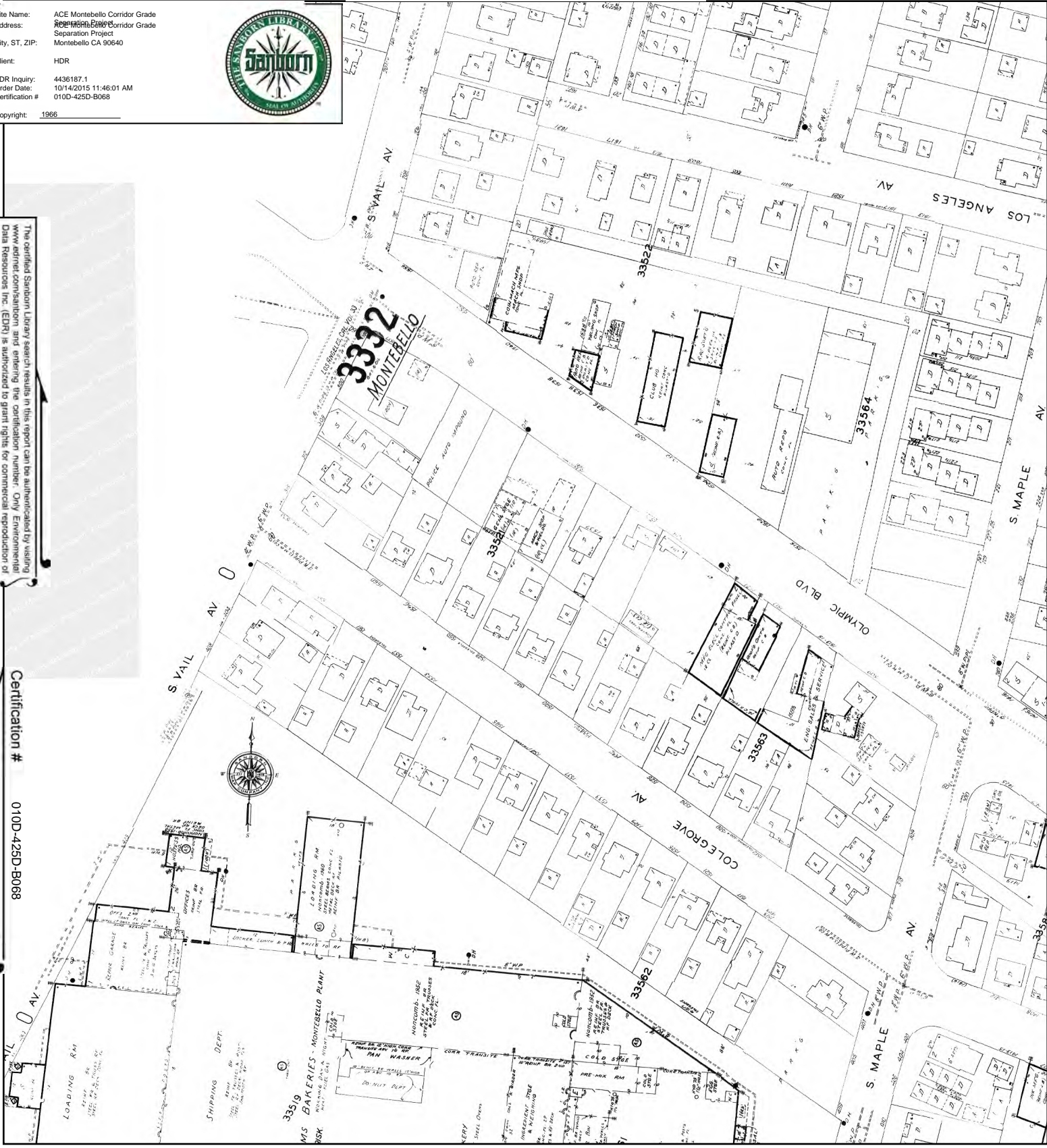
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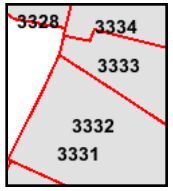
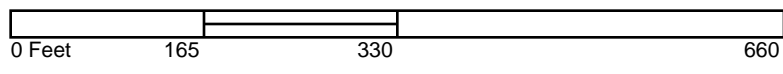


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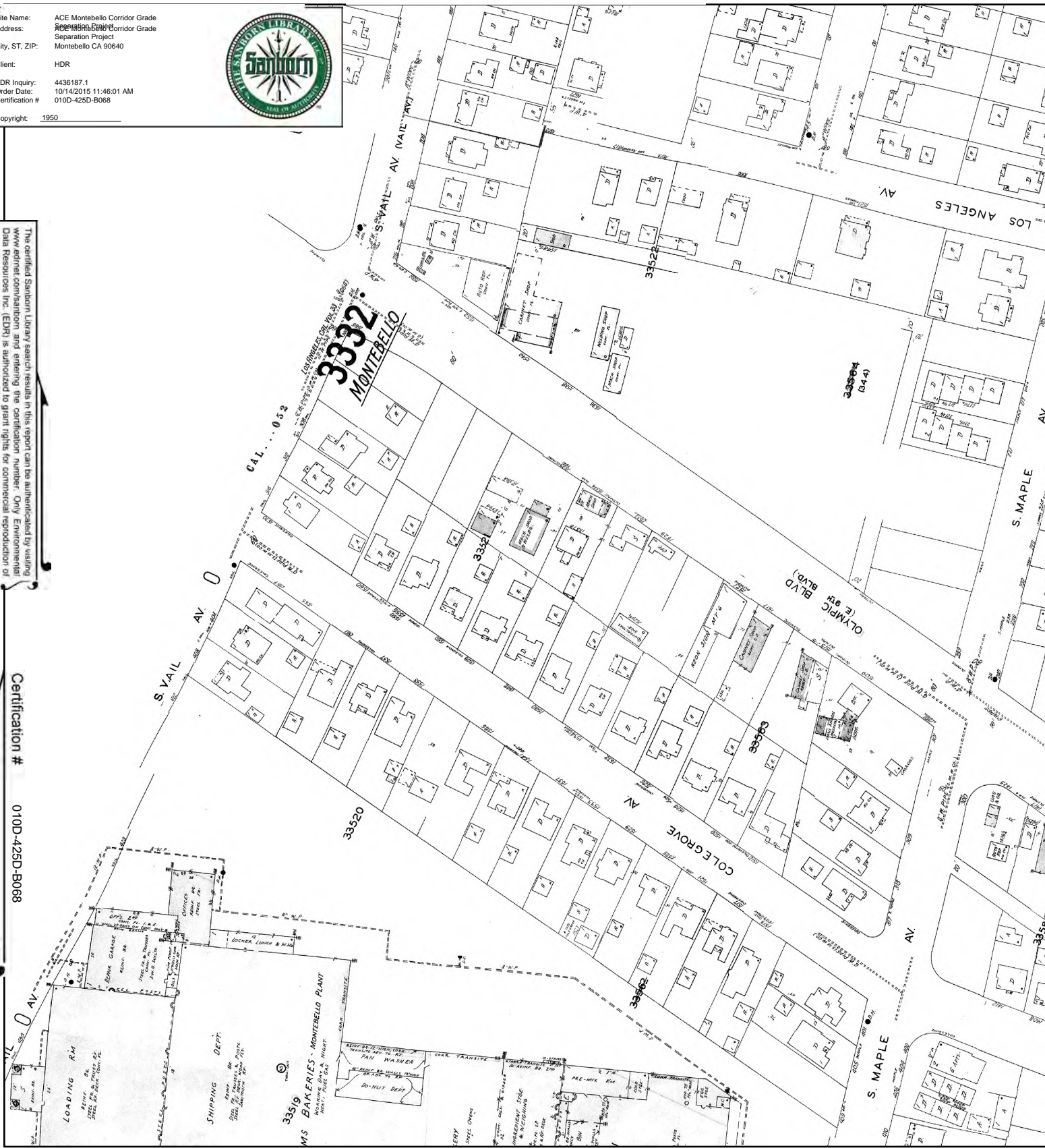
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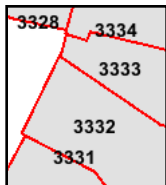
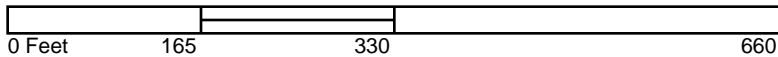


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- Volume 33, Sheet 3331
- Volume 33, Sheet 3332
- Volume 33, Sheet 3333
- Volume 33, Sheet 3334



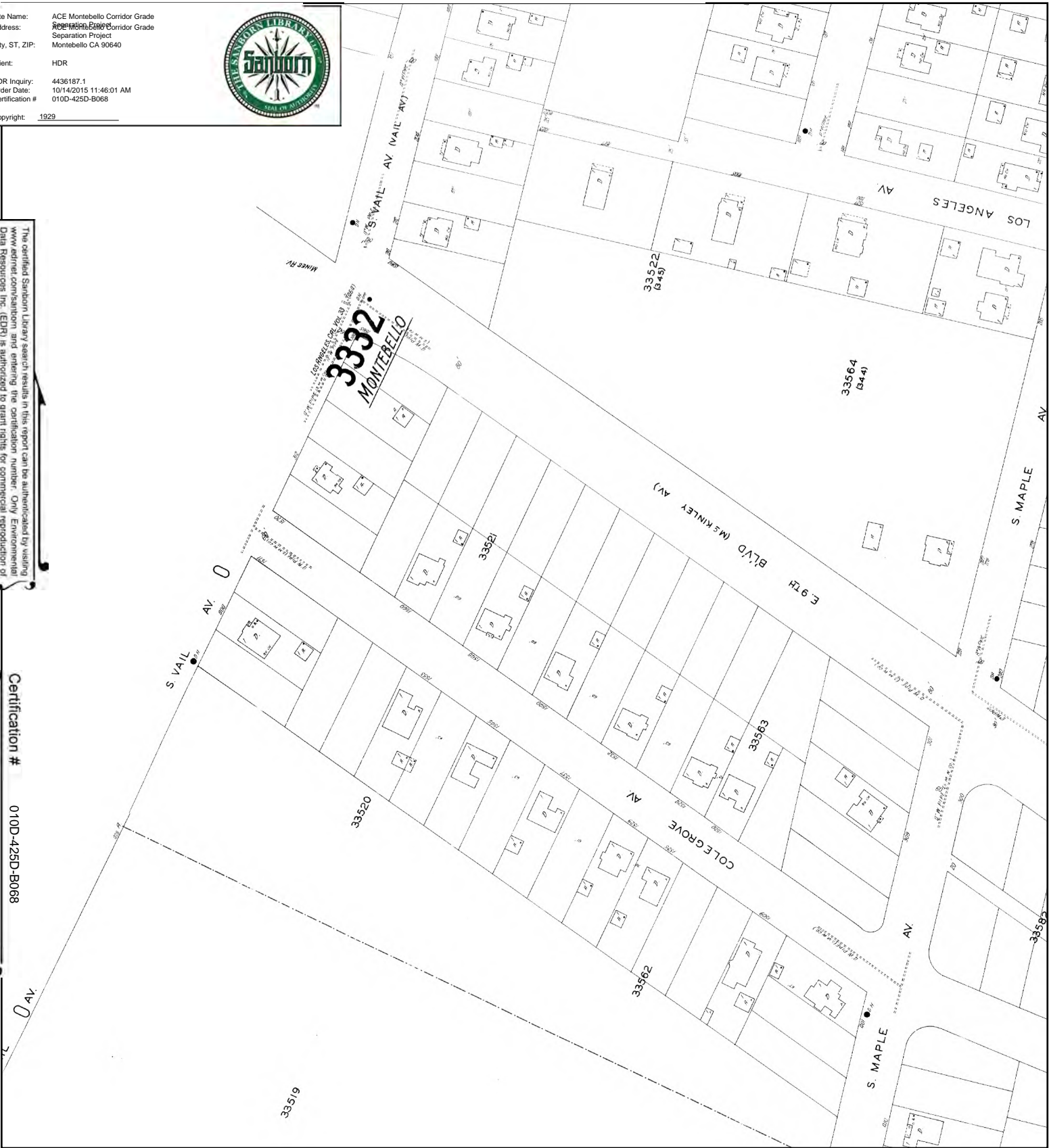
1929 Certified Sanborn Map

Site Name: ACE Montebello Corridor Grade
 Address: ACE Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
 Copyright: 1929

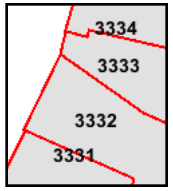
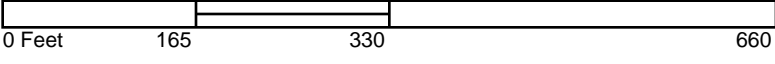


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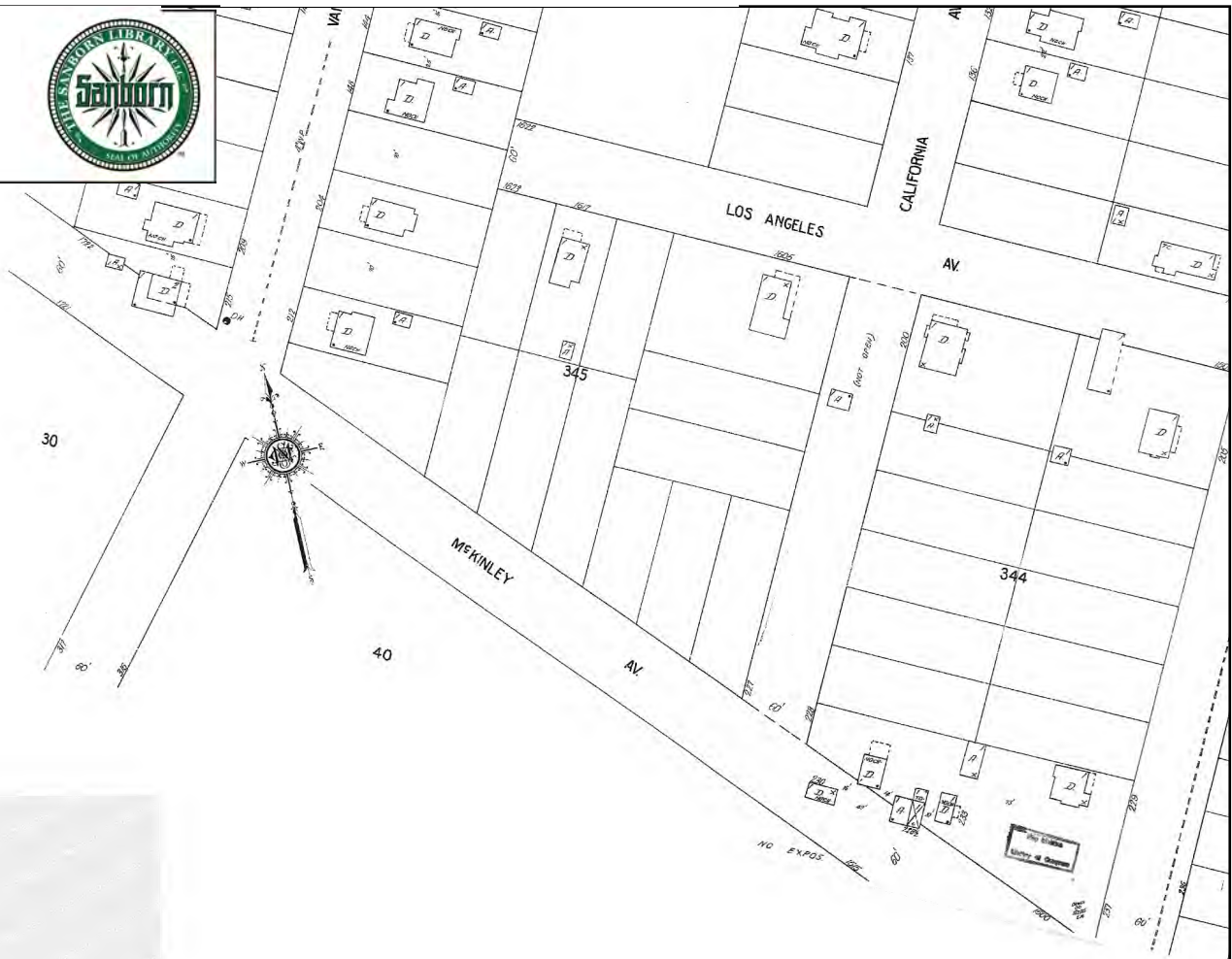


- Volume 33, Sheet 3331
- Volume 33, Sheet 3332
- Volume 33, Sheet 3333
- Volume 33, Sheet 3334



1925 Certified Sanborn Map

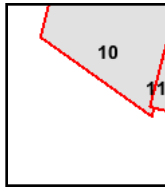
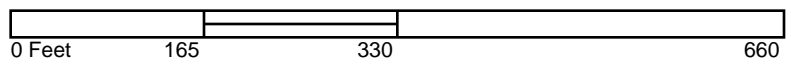
Site Name: ACE Montebello Corridor Grade
 Address: ACE Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
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Volume 1, Sheet 10





ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

October 14, 2015

Certified Sanborn® Map Report



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Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/14/15

Site Name: ACE Montebello Corridor Grade
Client Name: HDR
ACE Montebello Corridor Grade 3200 East Camelback Road
Montebello, CA 90640 Phoenix, AZ 85018
EDR Inquiry # 4436187.1 Contact: Lori Arena



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Certified Sanborn Results:

Site Name: ACE Montebello Corridor Grade Separation
Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
Project: NA
Certification # 010D-425D-B068



Sanborn® Library search results
Certification # 010D-425D-B068

Maps Provided:

1966
1950
1929
1925

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- Library of Congress
- University Publications of America
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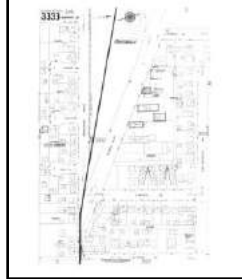
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1966 Source Sheets



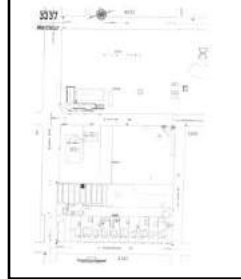
Volume 33, Sheet 3332



Volume 33, Sheet 3333



Volume 33, Sheet 3334



Volume 33, Sheet 3337



Volume 33, Sheet 3338

1950 Source Sheets



Volume 33, Sheet 3332



Volume 33, Sheet 3333



Volume 33, Sheet 3337



Volume 33, Sheet 3338



Volume 33, Sheet 3334

1929 Source Sheets



Volume 33, Sheet 3332



Volume 33, Sheet 3337



Volume 33, Sheet 3338



Volume 33, Sheet 3333

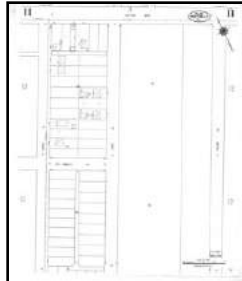


Volume 33, Sheet 3334

1925 Source Sheets



Volume 1, Sheet 10



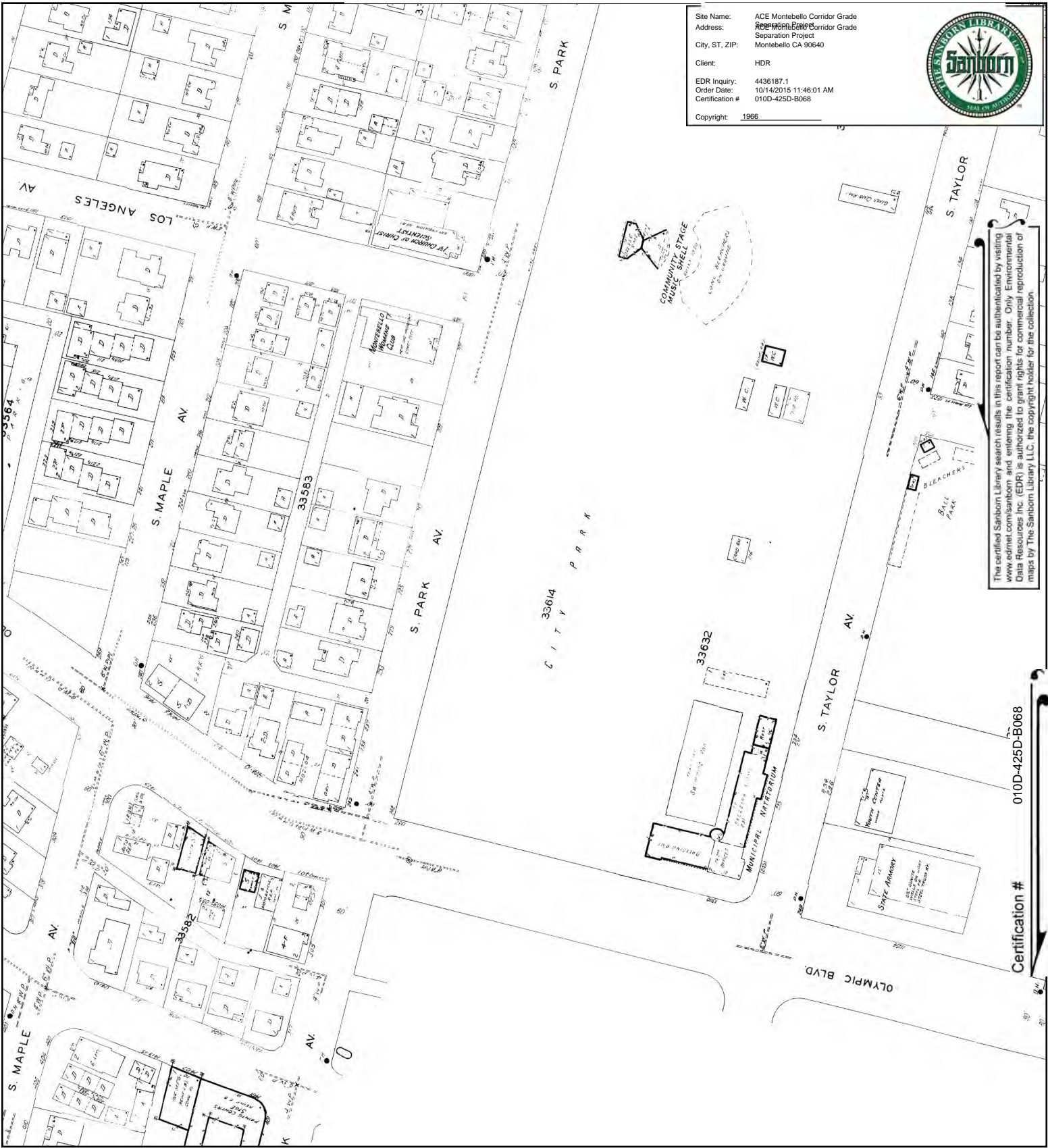
Volume 1, Sheet 11



Volume 1, Sheet 12

1966 Certified Sanborn Map

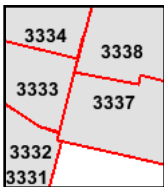
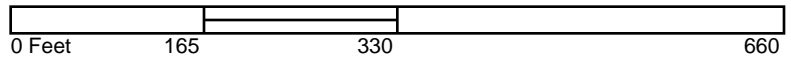
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 Address: ~~33614~~ ACE Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
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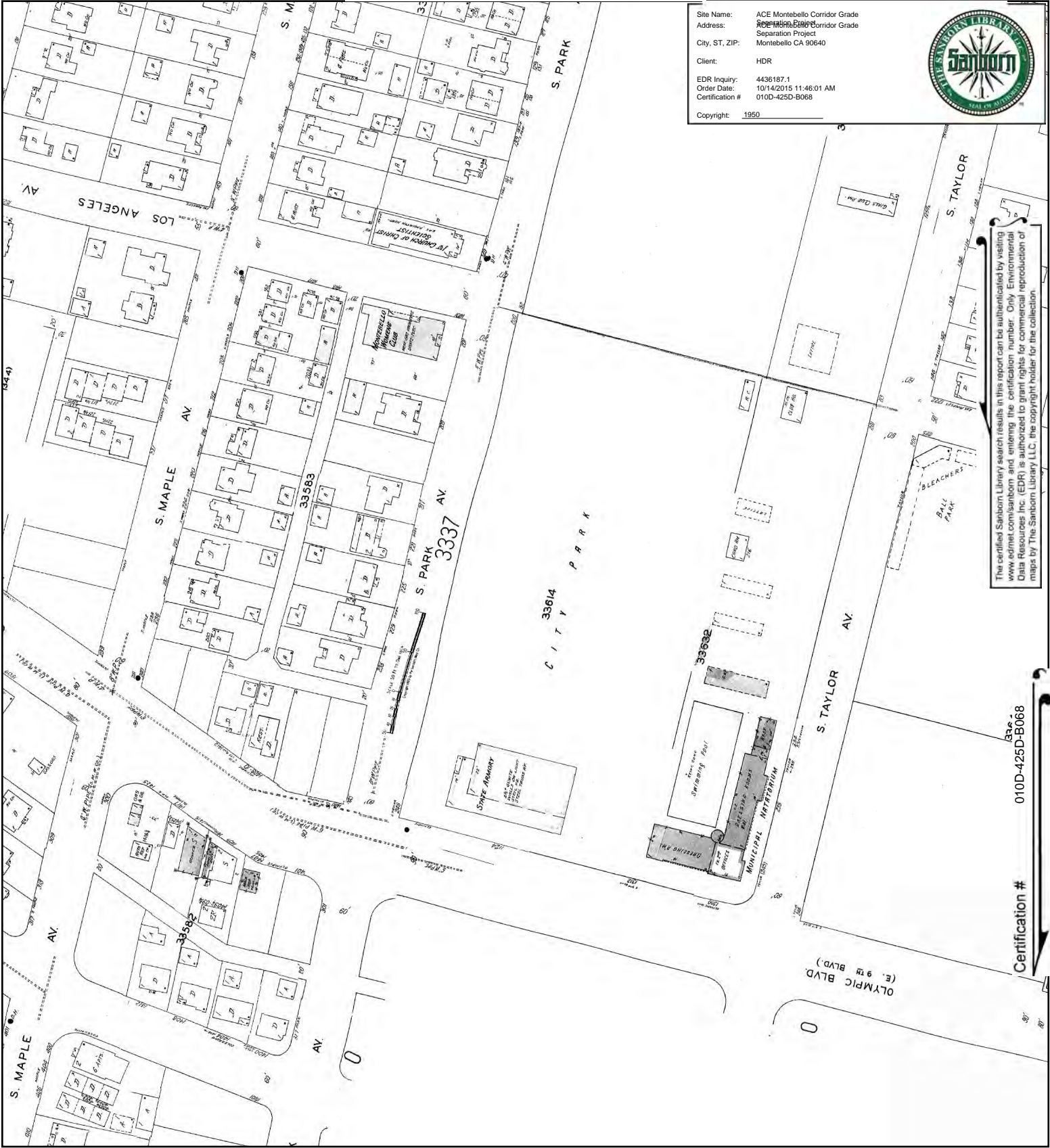


- Volume 33, Sheet 3332
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- Volume 33, Sheet 3337
- Volume 33, Sheet 3338



1950 Certified Sanborn Map

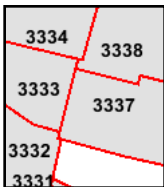
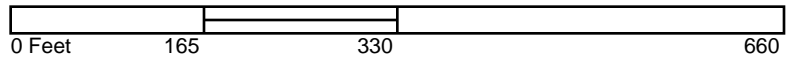
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 Client: HDR
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 Order Date: 10/14/2015 11:46:01 AM
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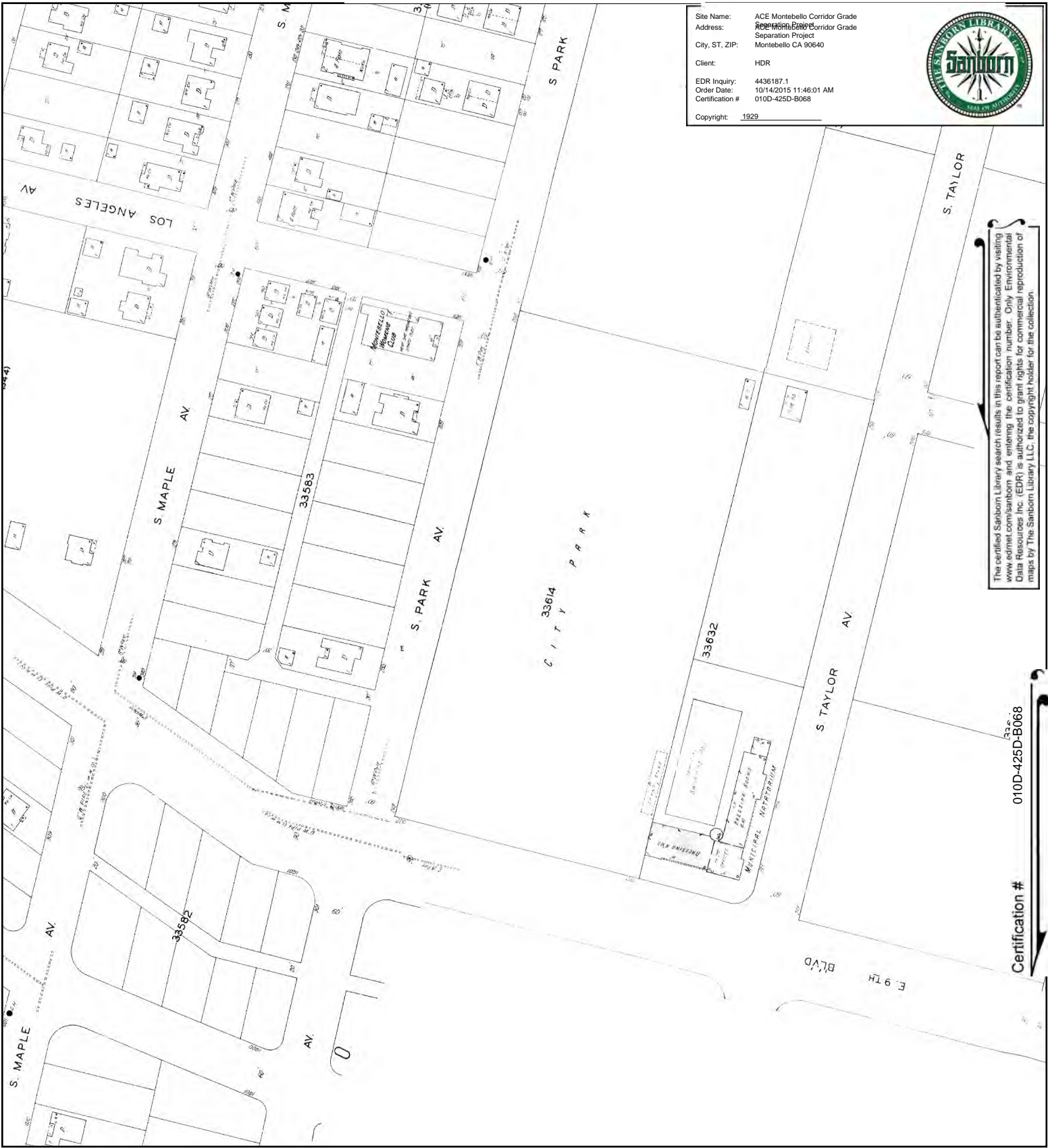


- Volume 33, Sheet 3332
- Volume 33, Sheet 3333
- Volume 33, Sheet 3337
- Volume 33, Sheet 3338
- Volume 33, Sheet 3334



1929 Certified Sanborn Map

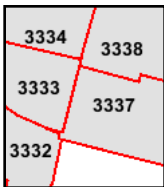
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 Separation Project
 City, ST, ZIP: Montebello CA 90640
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 Copyright: 1929



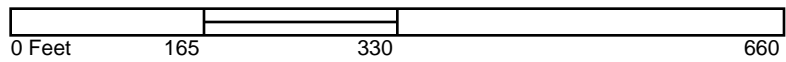
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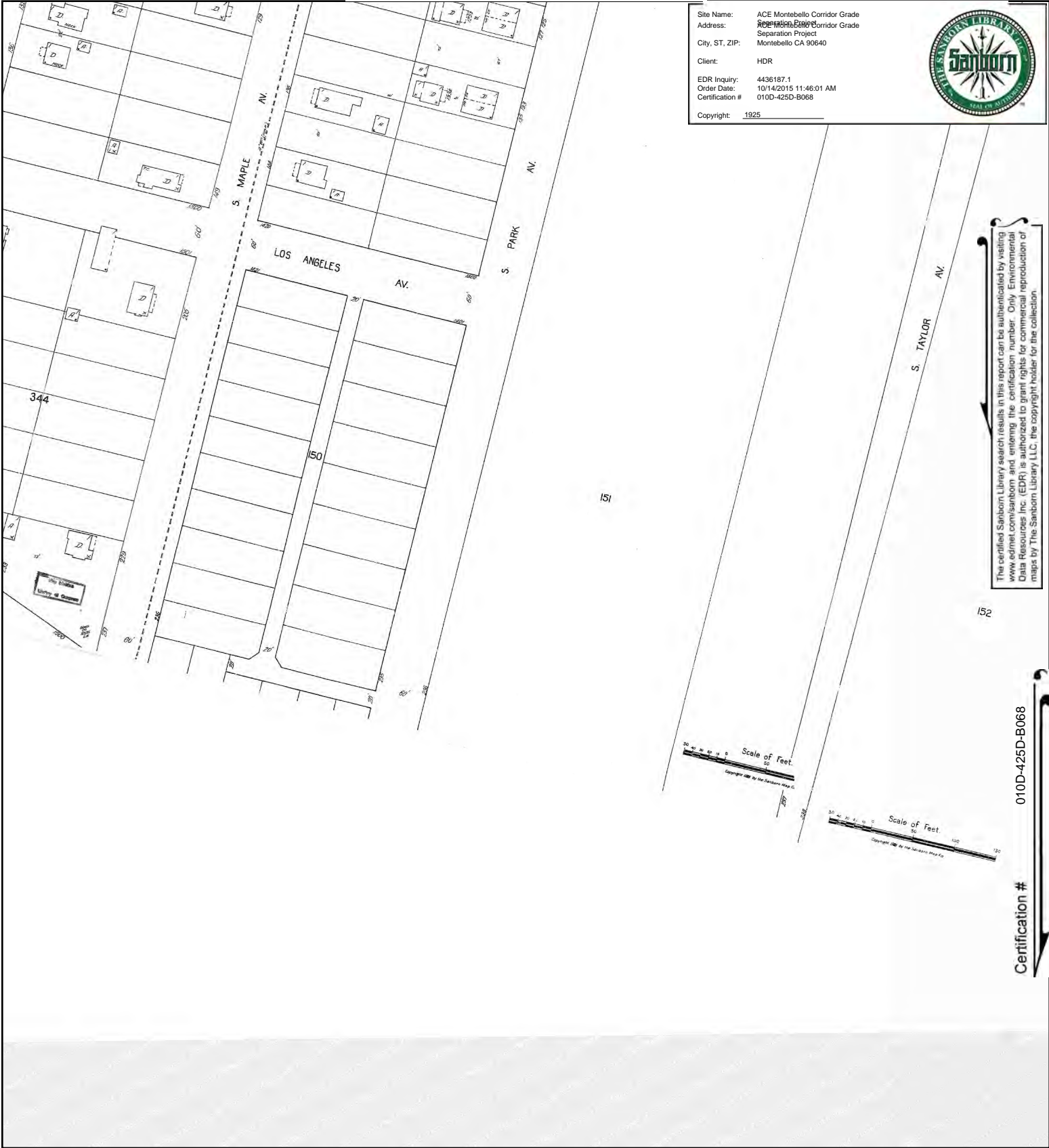


- Volume 33, Sheet 3332
- Volume 33, Sheet 3337
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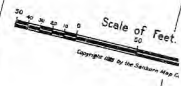


1925 Certified Sanborn Map

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 Address: ~~1500~~ ACE Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification # 010D-425D-B068
 Copyright: 1925

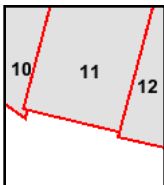


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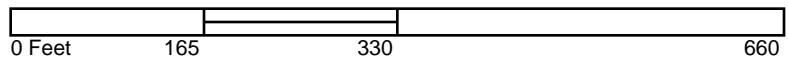


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Volume 1, Sheet 10
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 Volume 1, Sheet 12





ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

October 14, 2015

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10/14/15

Site Name: ACE Montebello Corridor Grade
Client Name: HDR
ACE Montebello Corridor Grade 3200 East Camelback Road
Montebello, CA 90640 Phoenix, AZ 85018
EDR Inquiry # 4436187.1 Contact: Lori Arena



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Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
Project: NA
Certification # 010D-425D-B068



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Certification # 010D-425D-B068

Maps Provided:

1966
1950
1929
1925
1920

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Volume 33, Sheet 3343



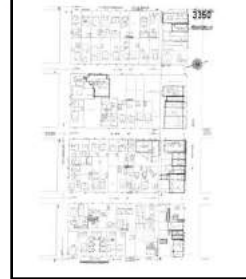
Volume 33, Sheet 3344



Volume 33, Sheet 3345



Volume 33, Sheet 3349



Volume 33, Sheet 3350



Volume 33, Sheet 3351

1950 Source Sheets



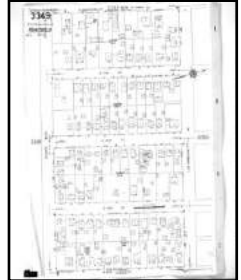
Volume 33, Sheet 3343



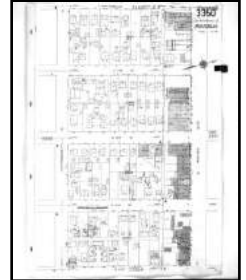
Volume 33, Sheet 3344



Volume 33, Sheet 3345



Volume 33, Sheet 3349



Volume 33, Sheet 3350

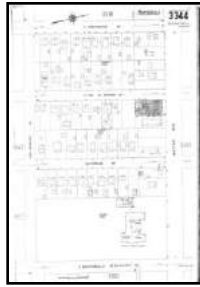


Volume 33, Sheet 3351

1929 Source Sheets



Volume 33, Sheet 3343



Volume 33, Sheet 3344



Volume 33, Sheet 3345



Volume 33, Sheet 3349

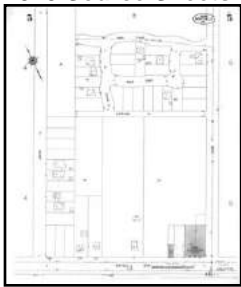


Volume 33, Sheet 3350



Volume 33, Sheet 3351

1925 Source Sheets



Volume 1, Sheet 5



Volume 1, Sheet 6



Volume 1, Sheet 13



Volume 1, Sheet 14

1920 Source Sheets



Volume 1, Sheet Keymap/Sheet1



Volume 1, Sheet 3



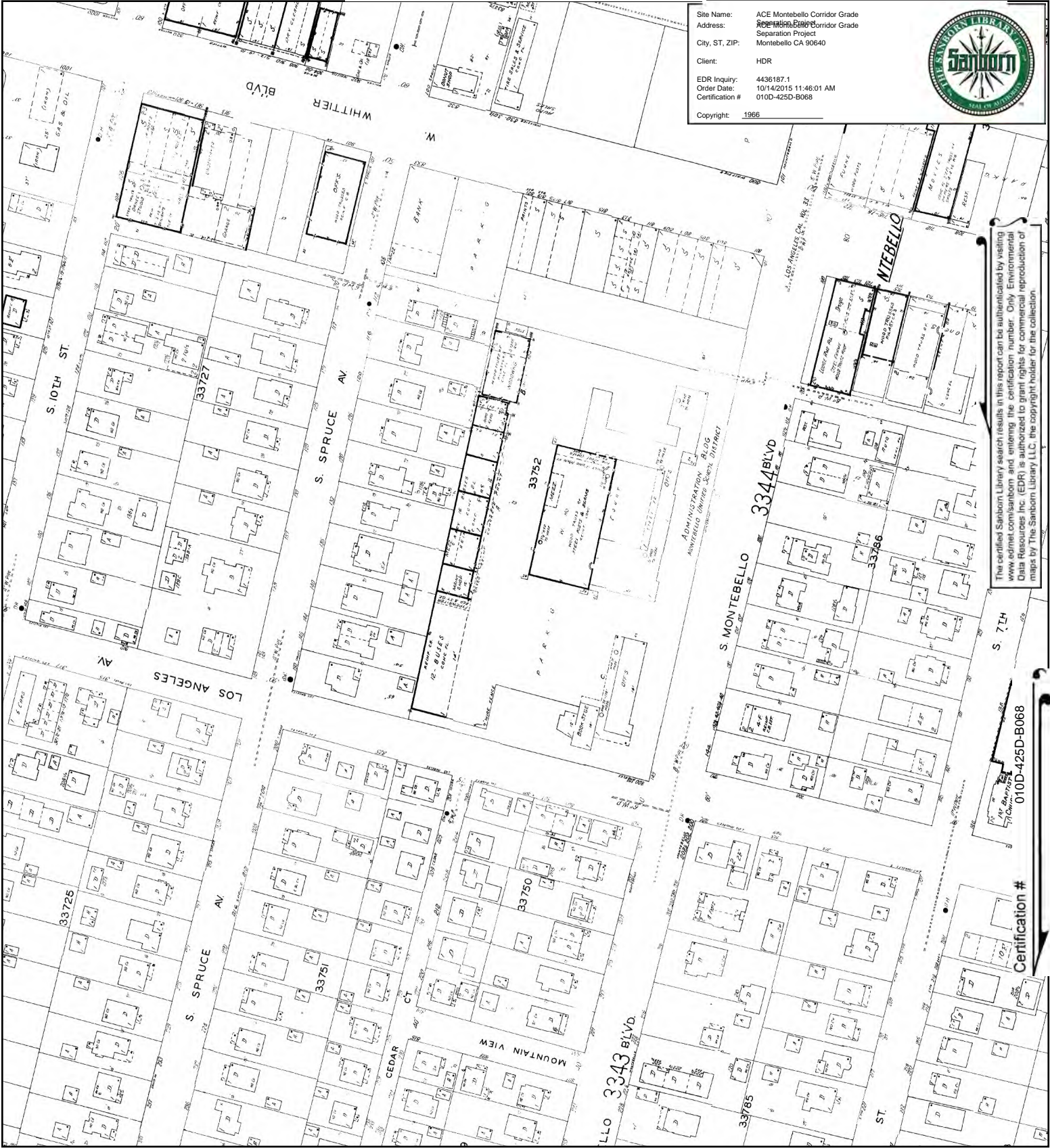
Volume 1, Sheet 4



Volume 1, Sheet 6

1966 Certified Sanborn Map

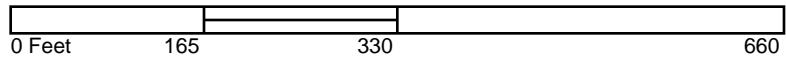
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 Address: 3344 Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
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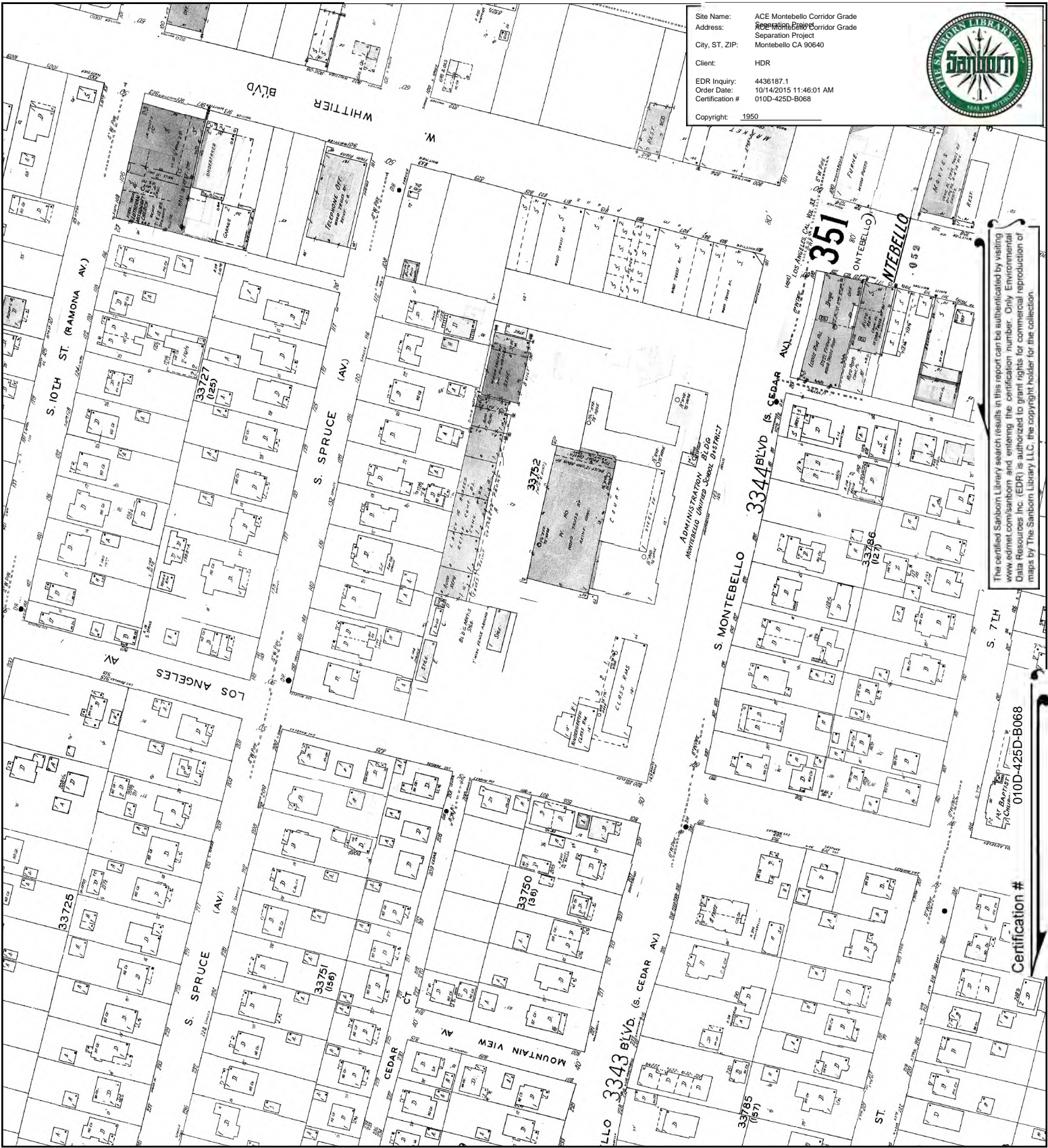


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1950 Certified Sanborn Map

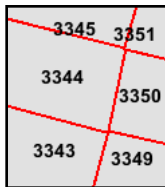
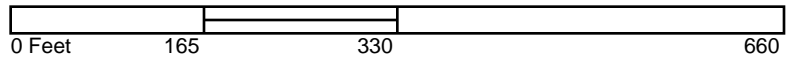
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 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
 Copyright: 1950



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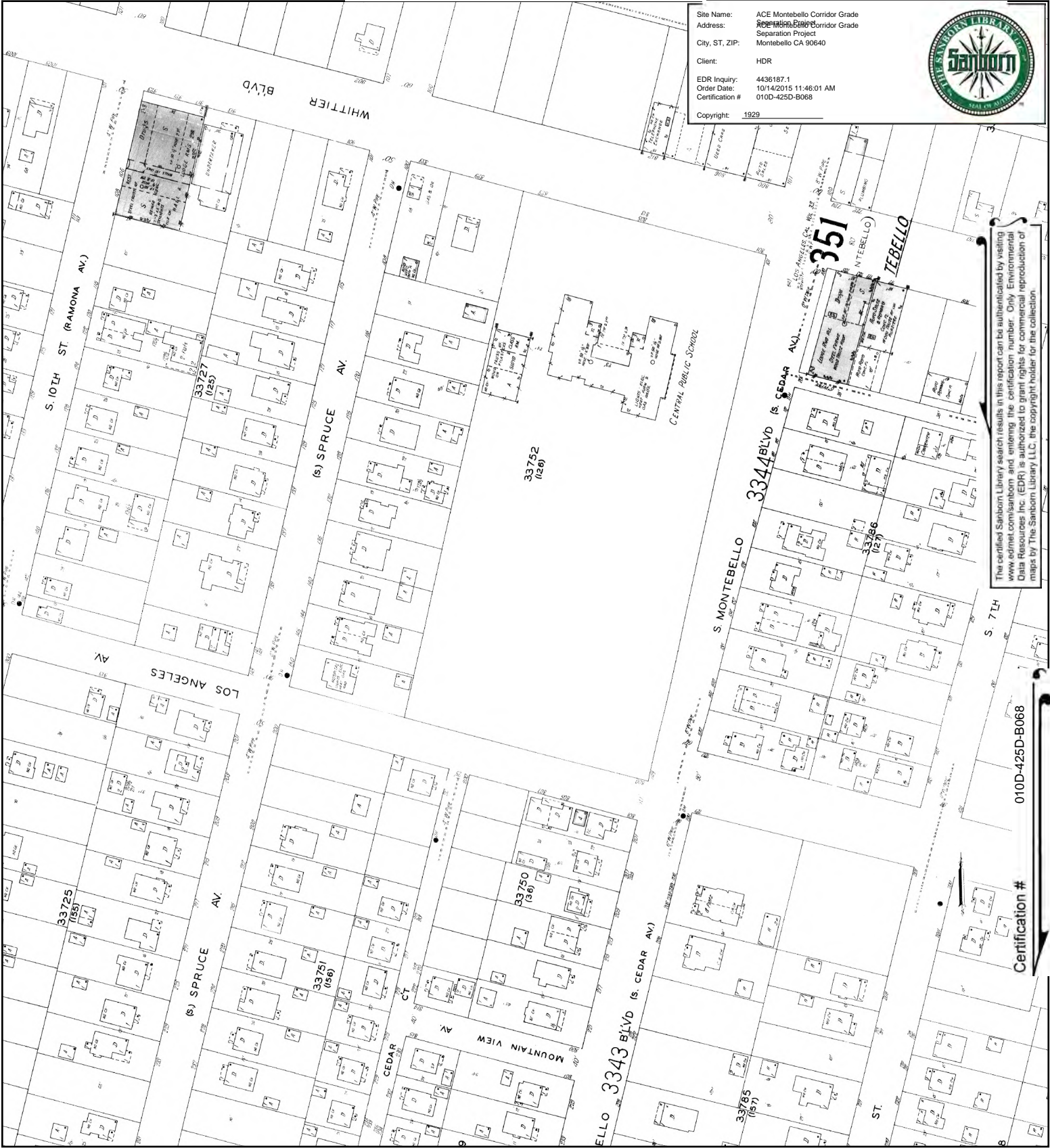


- Volume 33, Sheet 3343
- Volume 33, Sheet 3344
- Volume 33, Sheet 3345
- Volume 33, Sheet 3349
- Volume 33, Sheet 3350



1929 Certified Sanborn Map

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 Address: 3343-3344 Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
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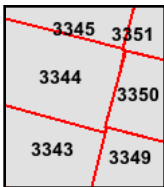
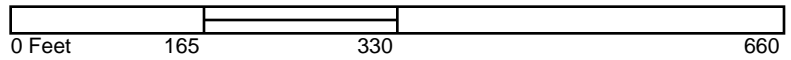


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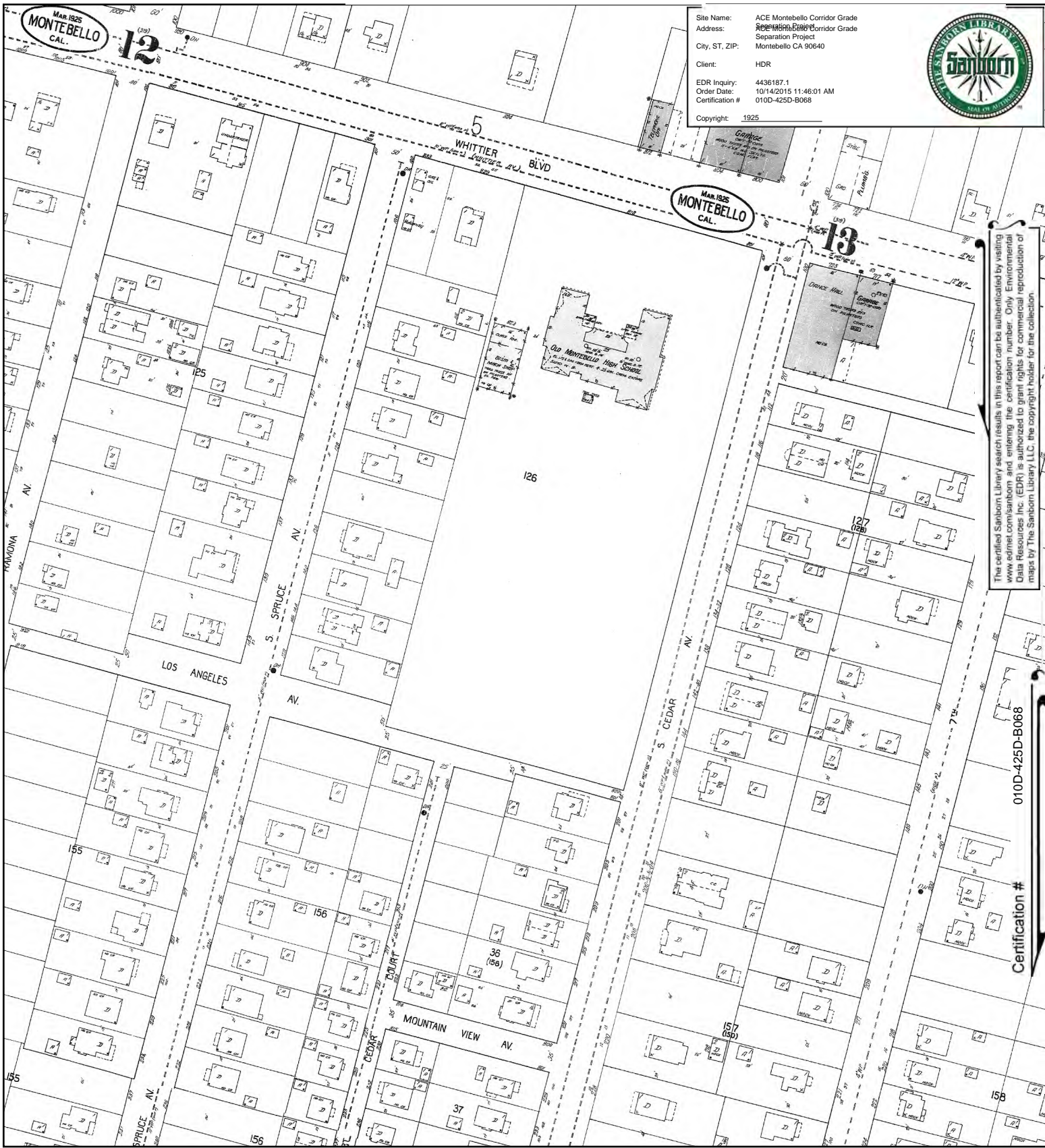


- Volume 33, Sheet 3343
- Volume 33, Sheet 3344
- Volume 33, Sheet 3345
- Volume 33, Sheet 3349
- Volume 33, Sheet 3350



1925 Certified Sanborn Map

Site Name: ACE Montebello Corridor Grade
 Address: 4436187-1
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187-1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
 Copyright: 1925

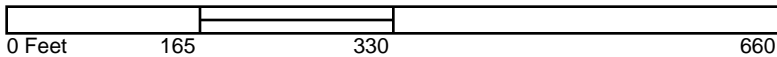


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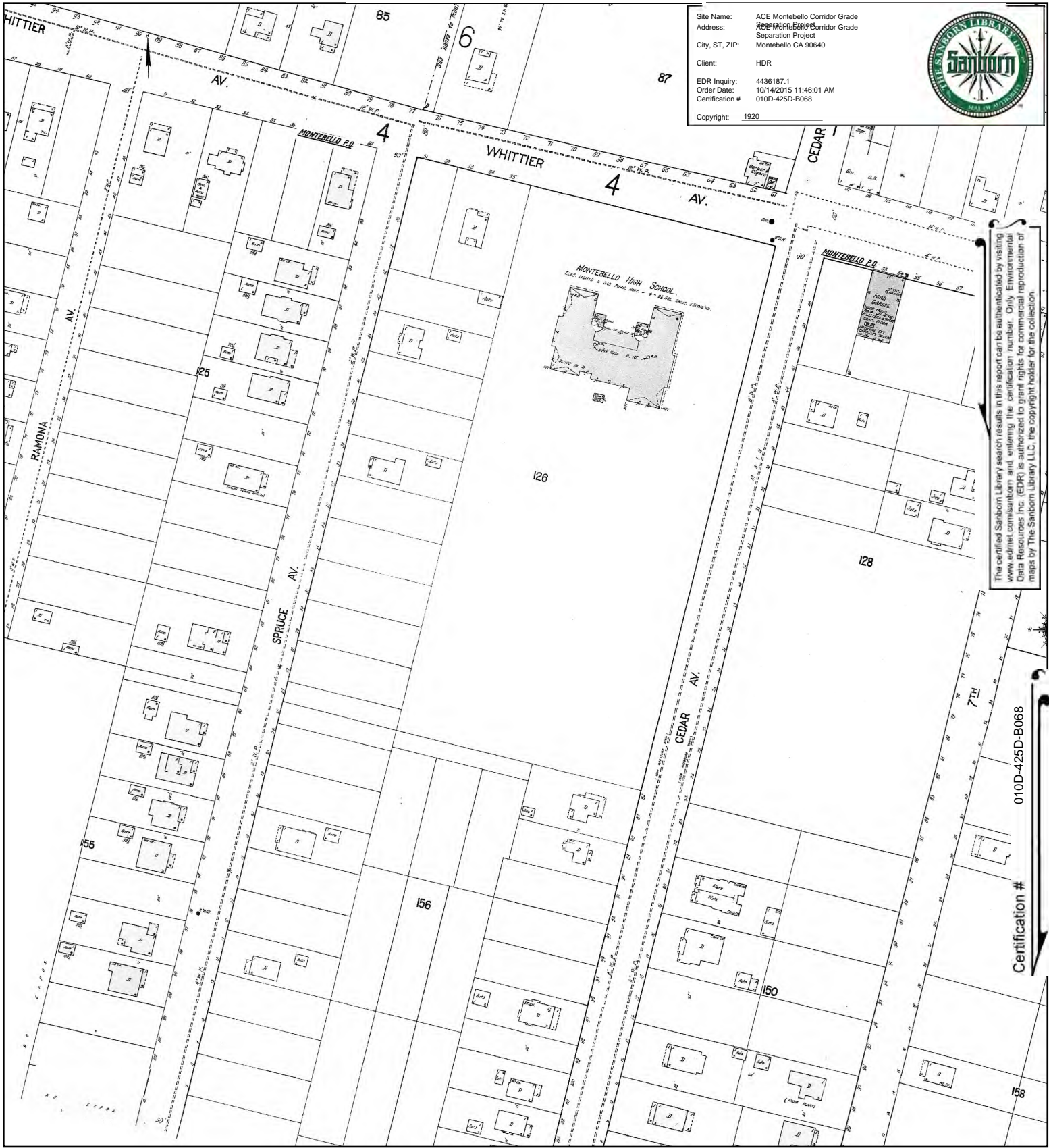


- Volume 1, Sheet 5
- Volume 1, Sheet 6
- Volume 1, Sheet 13
- Volume 1, Sheet 14



1920 Certified Sanborn Map

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 Address: 4436187-1
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
 Copyright: 1920

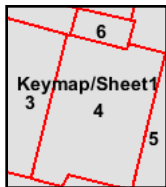
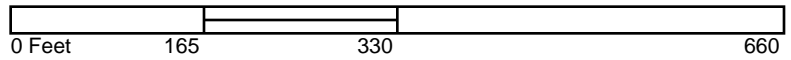


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- Volume 1, Sheet 4
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ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

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Site Name: ACE Montebello Corridor Grade
Client Name: HDR
ACE Montebello Corridor Grade 3200 East Camelback Road
Montebello, CA 90640 Phoenix, AZ 85018
EDR Inquiry # 4436187.1 Contact: Lori Arena



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Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
Project: NA
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Certification # 010D-425D-B068

Maps Provided:

1966
1950
1929

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Sanborn Sheet Thumbnails

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1966 Source Sheets



Volume 33, Sheet 3331

1950 Source Sheets



Volume 33, Sheet 3331

1929 Source Sheets

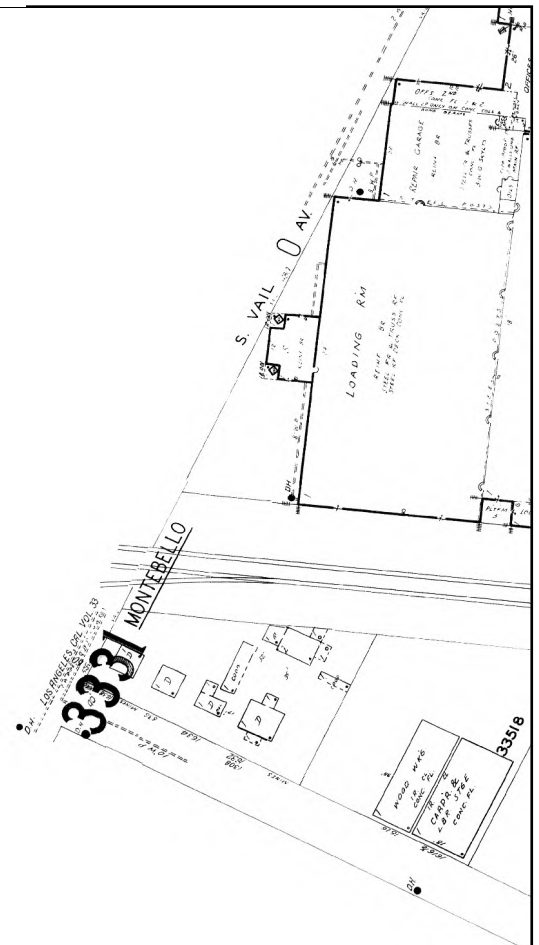


Volume 33, Sheet 3331

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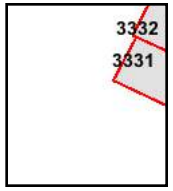
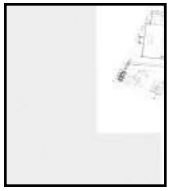
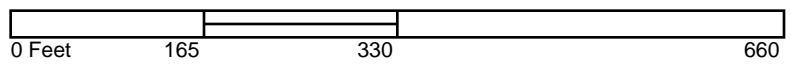


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 Address: ~~ACE Montebello Corridor Grade~~
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
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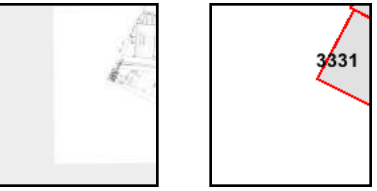
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Site Name: ACE Montebello Corridor
 Address: ACE Montebello Corridor Grade Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068

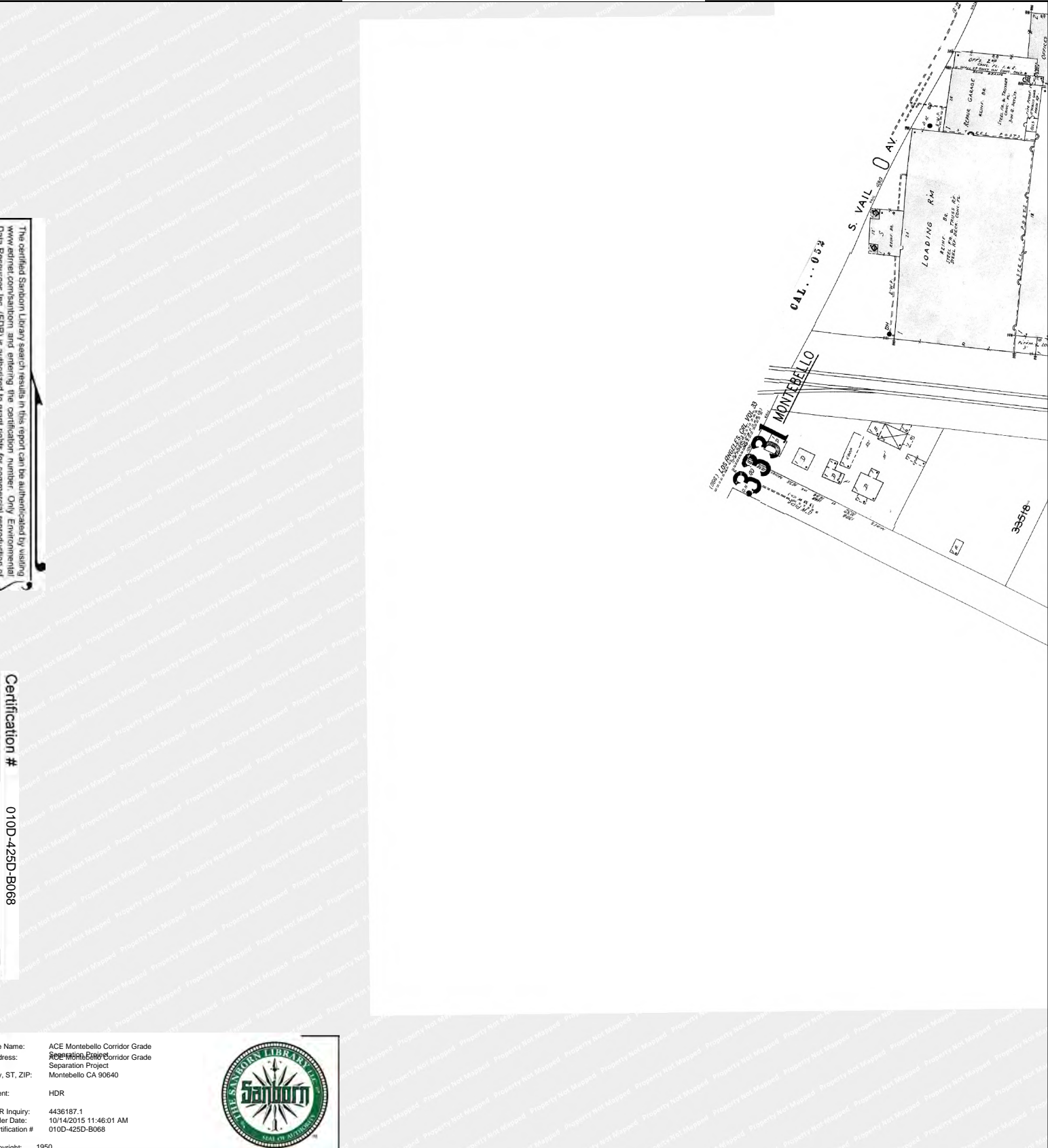
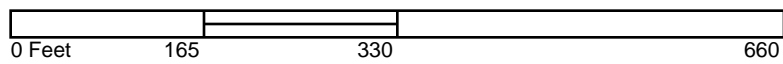


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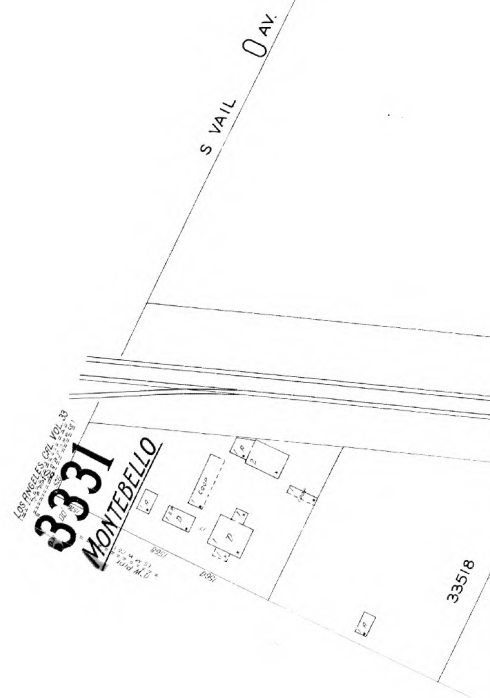
Volume 33, Sheet 3331



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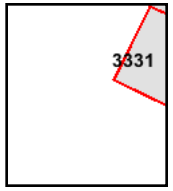
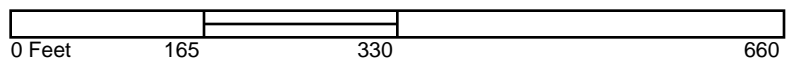
Certification # 010D-425D-B068



Site Name: ACE Montebello Corridor Grade
 Address: ACE Montebello Corridor Grade Separation Project
 City, ST, ZIP: Montebello CA 90640
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Volume 33, Sheet 3331





ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

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Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
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1966
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1966 Source Sheets



Volume 33, Sheet 3331



Volume 33, Sheet 3332

1950 Source Sheets



Volume 33, Sheet 3327



Volume 33, Sheet 3331



Volume 33, Sheet 3332

1929 Source Sheets



Volume 33, Sheet 3327

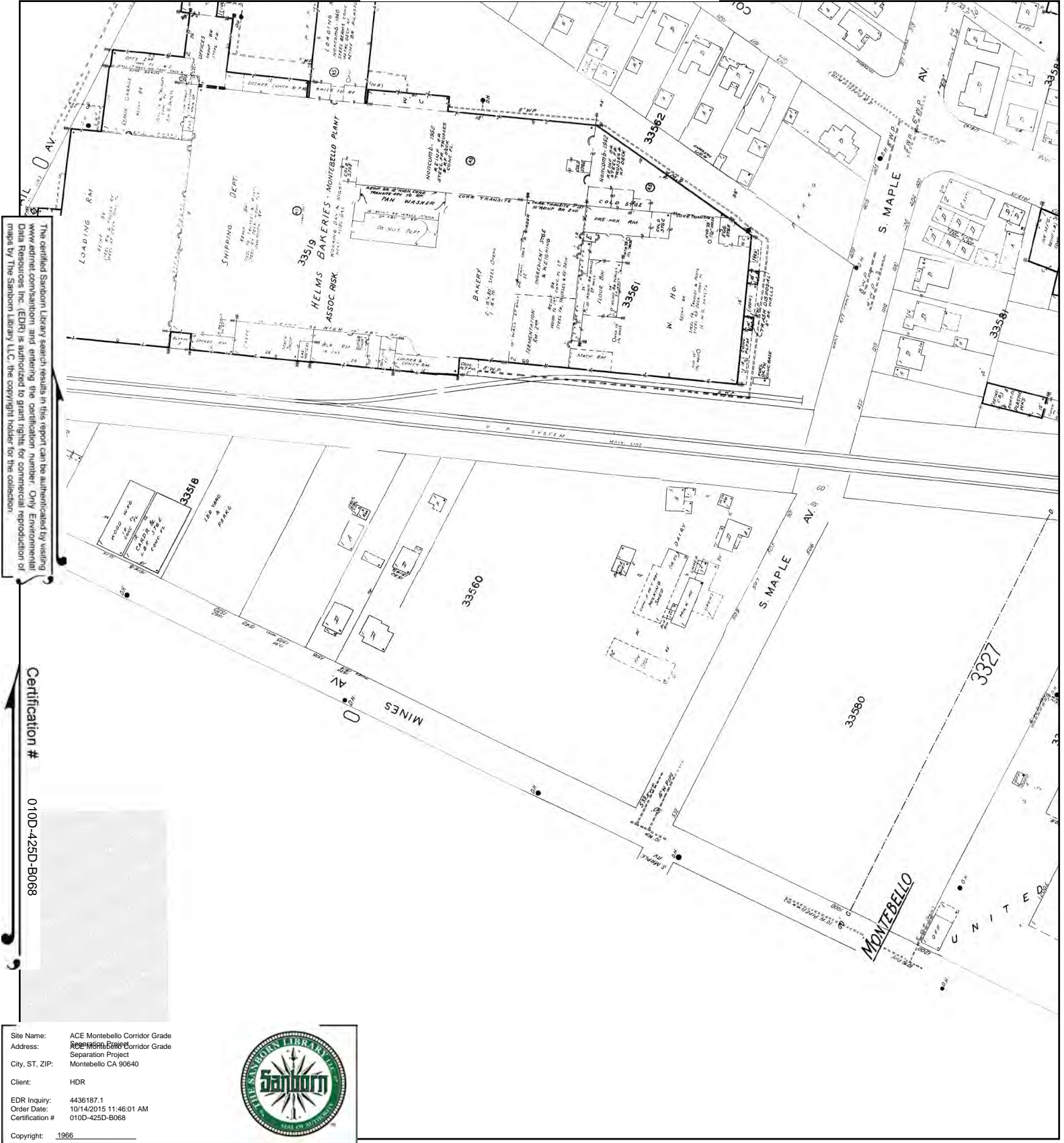


Volume 33, Sheet 3331



Volume 33, Sheet 3332

1966 Certified Sanborn Map



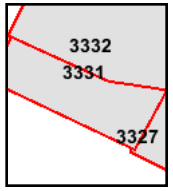
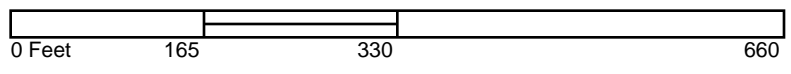
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 EDR Inquiry: 4436187.1
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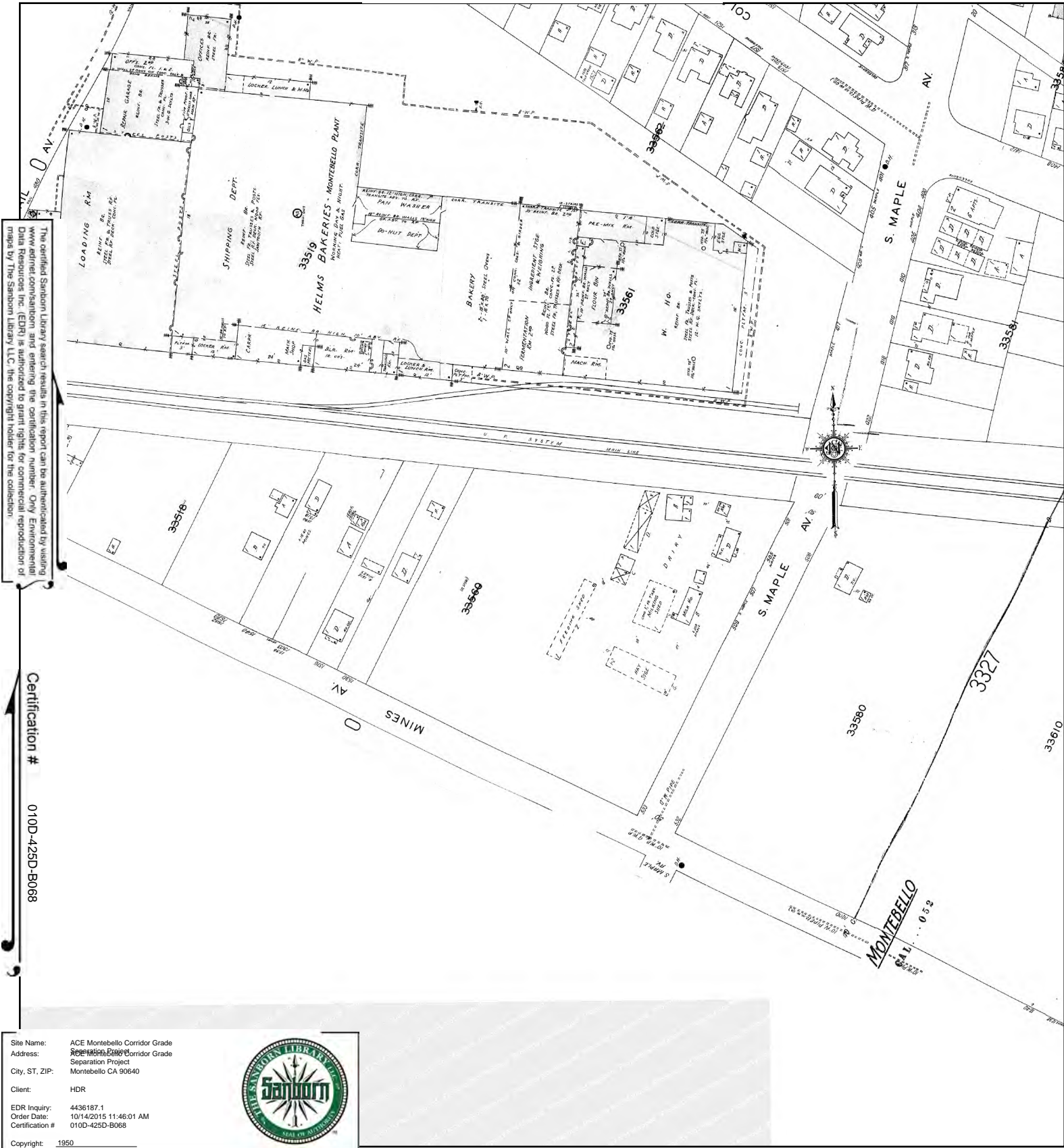
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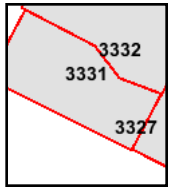
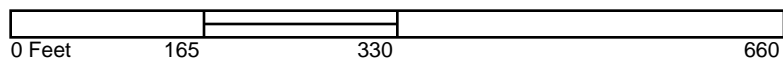
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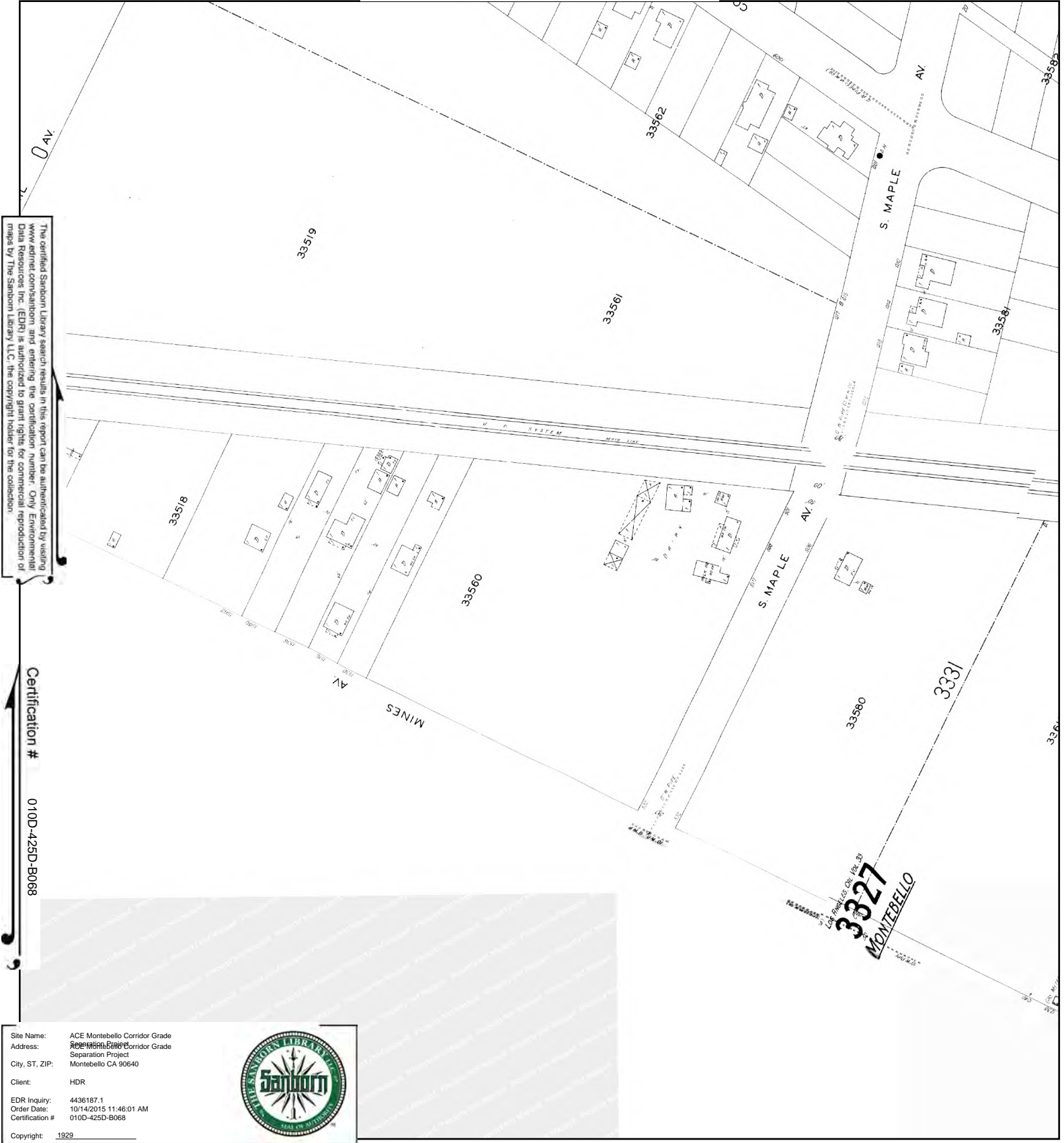
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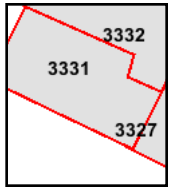
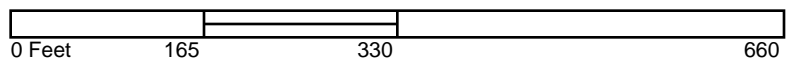
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 City, ST, ZIP: Montebello CA 90640
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ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

October 14, 2015

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ACE Montebello Corridor Grade 3200 East Camelback Road
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Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
Project: NA
Certification # 010D-425D-B068



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Maps Provided:

1966
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Volume 33, Sheet 3327



Volume 33, Sheet 3331

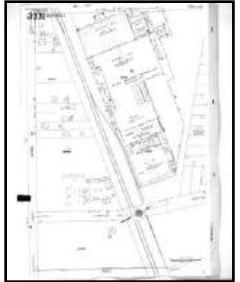


Volume 33, Sheet 3332

1950 Source Sheets



Volume 33, Sheet 3327



Volume 33, Sheet 3331



Volume 33, Sheet 3332

1929 Source Sheets



Volume 33, Sheet 3327



Volume 33, Sheet 3331



Volume 33, Sheet 3332

1966 Certified Sanborn Map

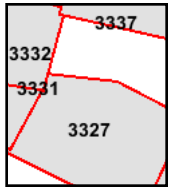
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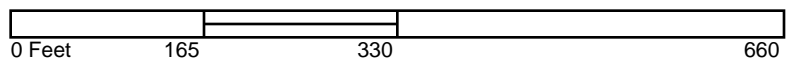
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 Address: ACE Montebello Corridor Grade Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
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1950 Certified Sanborn Map

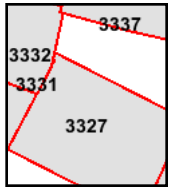
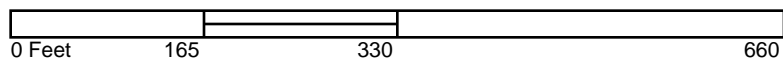
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Site Name: ACE Montebello Corridor Grade
 Address: ACE Montebello Corridor Grade Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068

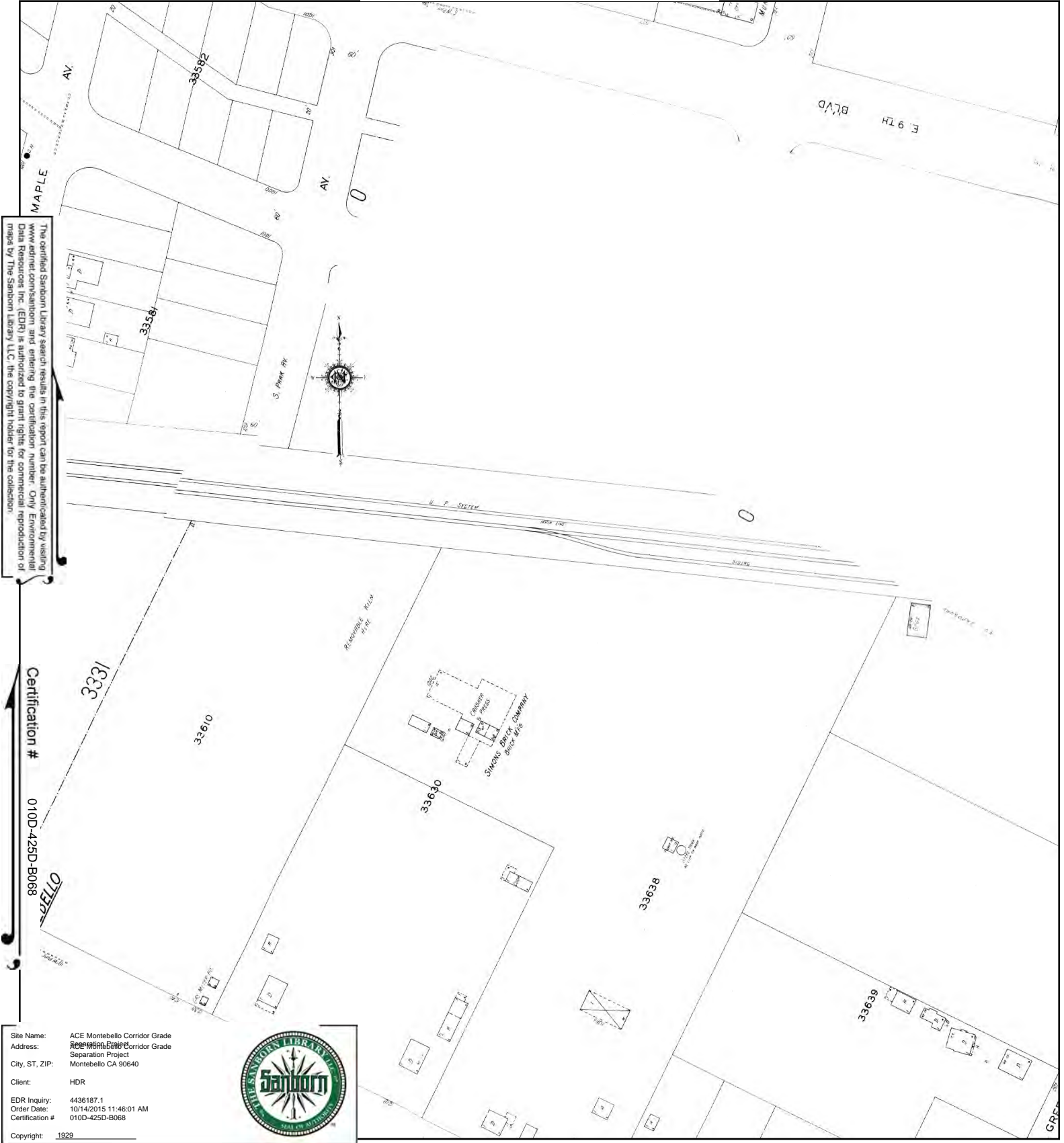


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Volume 33, Sheet 3327
 Volume 33, Sheet 3331
 Volume 33, Sheet 3332

1929 Certified Sanborn Map



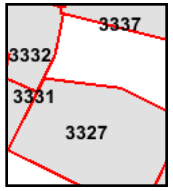
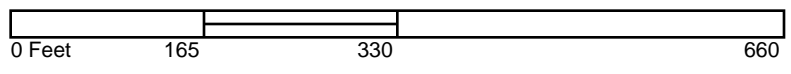
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Site Name: ACE Montebello Corridor Grade
 Address: ACE Montebello Corridor Grade Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
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Volume 33, Sheet 3327
 Volume 33, Sheet 3331
 Volume 33, Sheet 3332





ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

October 14, 2015

Certified Sanborn® Map Report



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Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/14/15

Site Name: ACE Montebello Corridor Grade
Client Name: HDR
ACE Montebello Corridor Grade 3200 East Camelback Road
Montebello, CA 90640 Phoenix, AZ 85018
EDR Inquiry # 4436187.1 Contact: Lori Arena



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Certified Sanborn Results:

Site Name: ACE Montebello Corridor Grade Separation
Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
Project: NA
Certification # 010D-425D-B068



Sanborn® Library search results
Certification # 010D-425D-B068

Maps Provided:

1966
1950
1929
1925
1920

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- Library of Congress
- University Publications of America
- EDR Private Collection

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Sanborn Sheet Thumbnails

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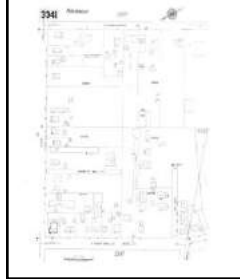
1966 Source Sheets



Volume 33, Sheet 3327



Volume 33, Sheet 3337



Volume 33, Sheet 3341



Volume 33, Sheet 3342



Volume 33, Sheet 3343

1950 Source Sheets



Volume 33, Sheet 3327



Volume 33, Sheet 3337



Volume 33, Sheet 3341



Volume 33, Sheet 3342



Volume 33, Sheet 3343

1929 Source Sheets



Volume 33, Sheet 3327



Volume 33, Sheet 3337



Volume 33, Sheet 3341



Volume 33, Sheet 3342

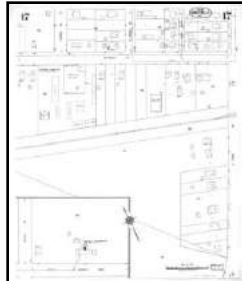


Volume 33, Sheet 3343

1925 Source Sheets



Volume 1, Sheet 13



Volume 1, Sheet 17



Volume 1, Sheet 12

1920 Source Sheets



Volume 1, Sheet 3

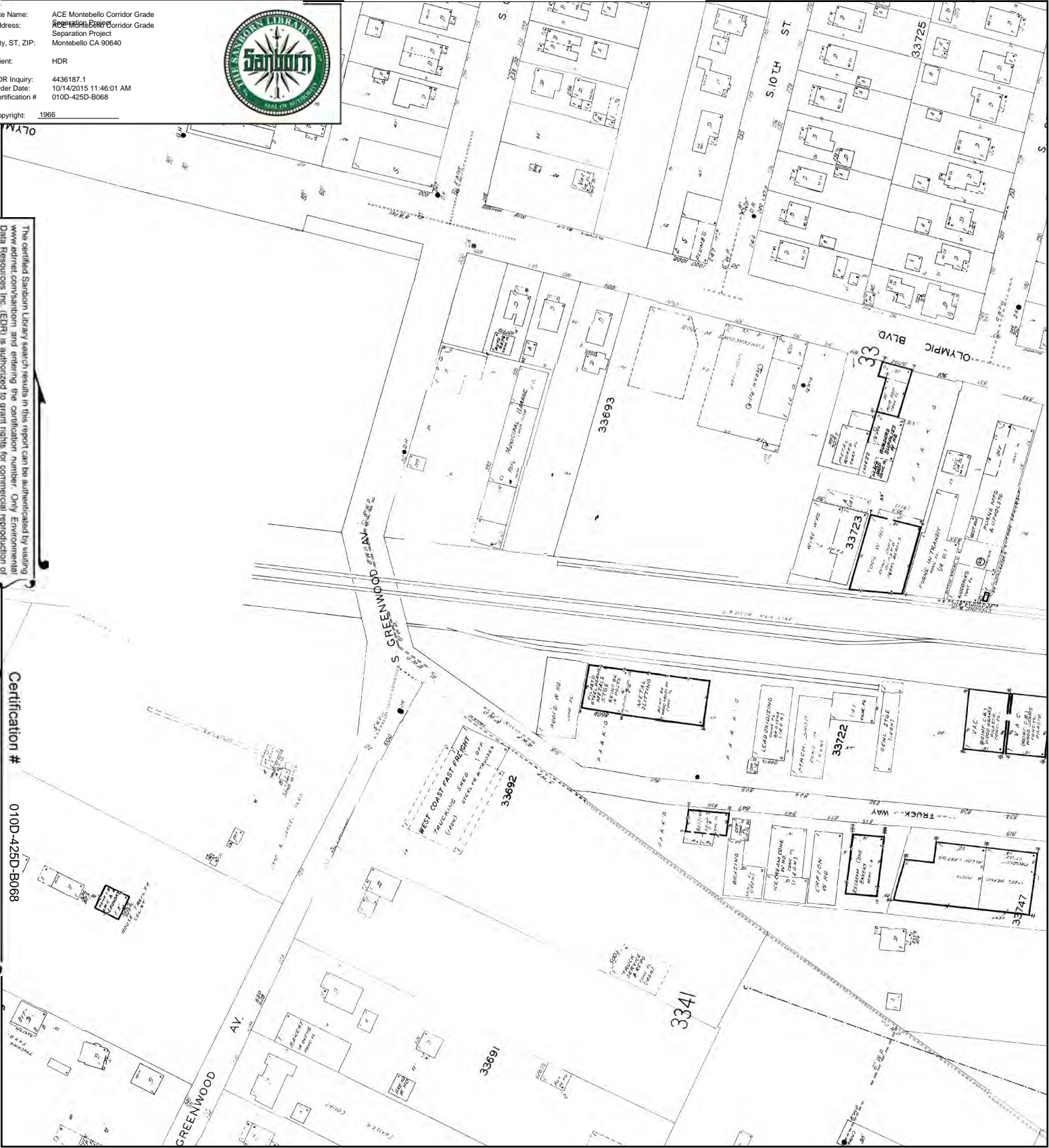
1966 Certified Sanborn Map

Site Name: ACE Montebello Corridor Grade
 Address: ACE Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
 Copyright: 1966

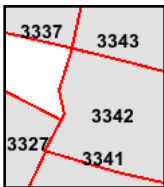
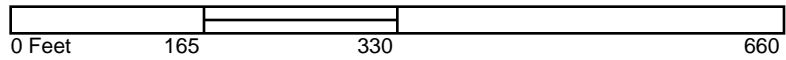


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- Volume 33, Sheet 3337
- Volume 33, Sheet 3341
- Volume 33, Sheet 3342
- Volume 33, Sheet 3343



1950 Certified Sanborn Map

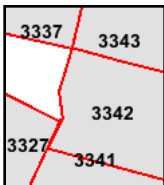
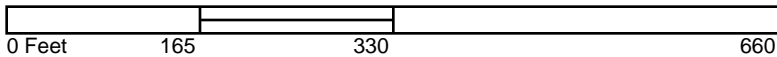
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 Address: ACE Montebello Corridor Grade Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
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- Volume 33, Sheet 3337
- Volume 33, Sheet 3341
- Volume 33, Sheet 3342
- Volume 33, Sheet 3343



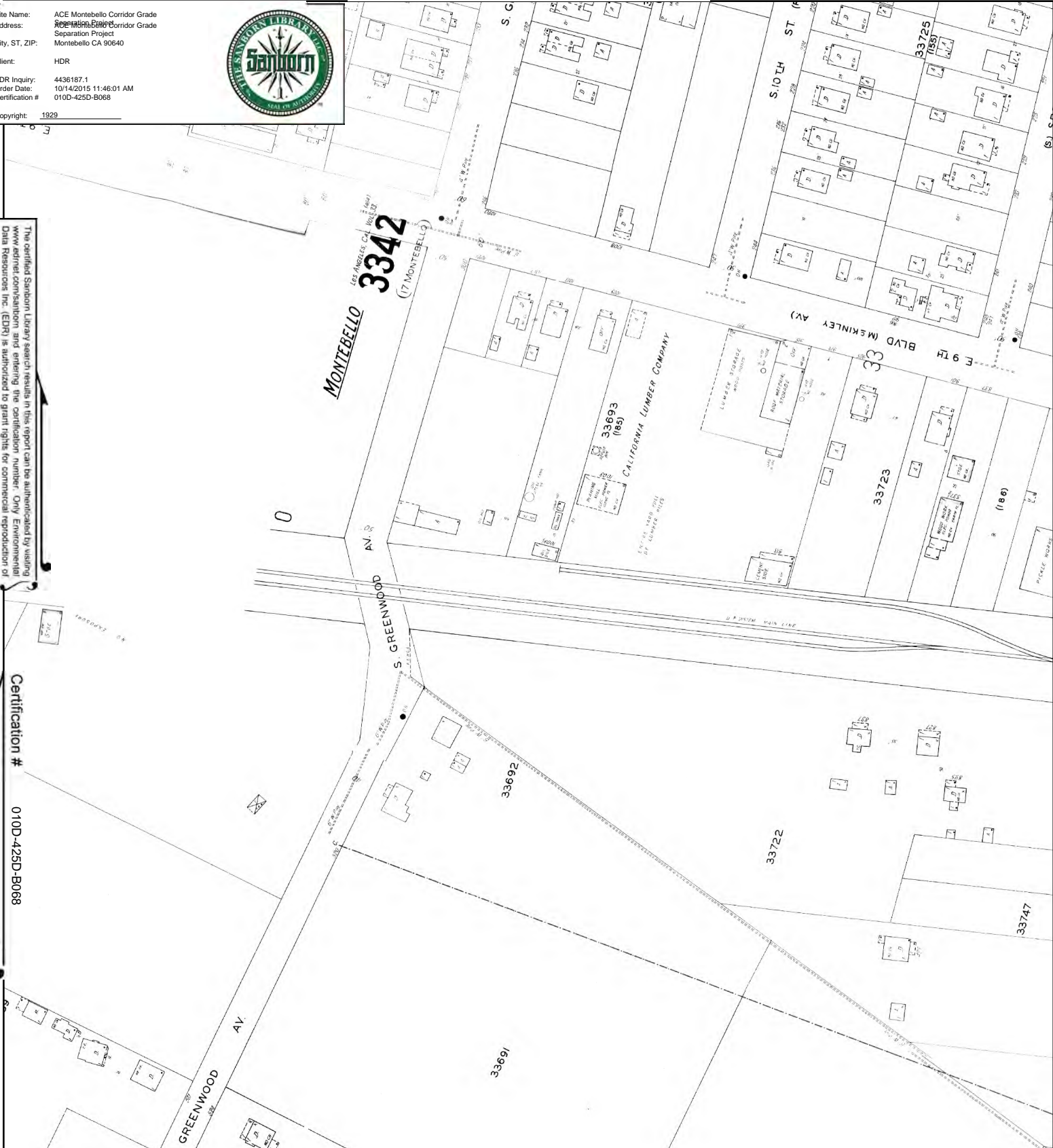
1929 Certified Sanborn Map

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 Address: ~~10000~~ ACE Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
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 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
 Copyright: 1929

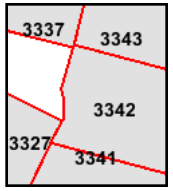
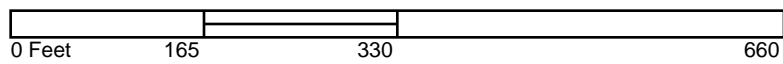


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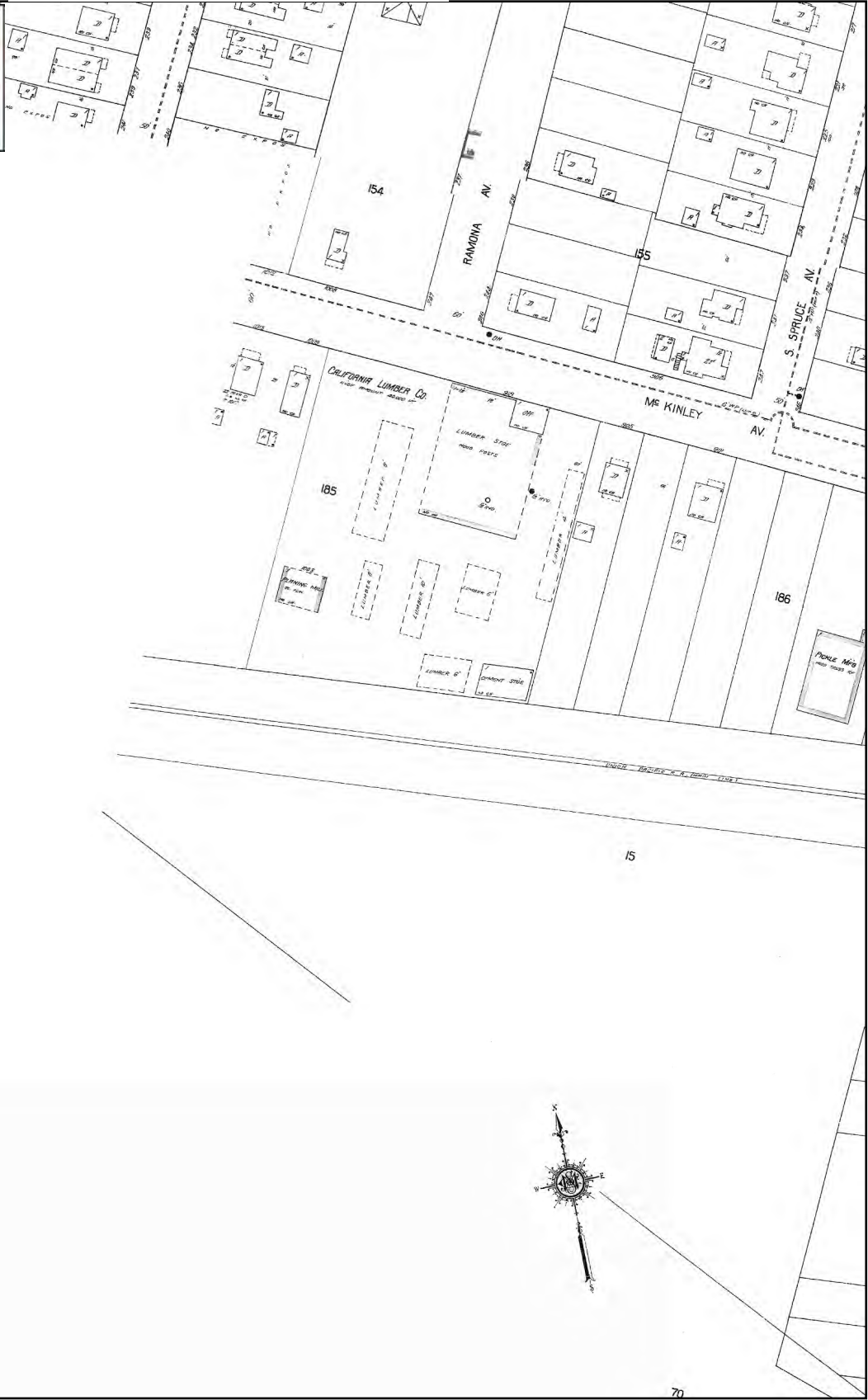


- Volume 33, Sheet 3327
- Volume 33, Sheet 3337
- Volume 33, Sheet 3341
- Volume 33, Sheet 3342
- Volume 33, Sheet 3343



1925 Certified Sanborn Map

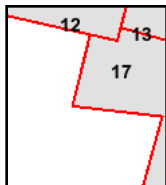
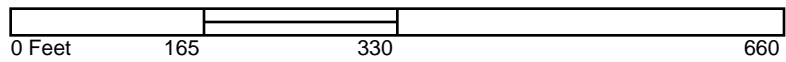
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 Address: ~~10100-10100~~ ACE Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
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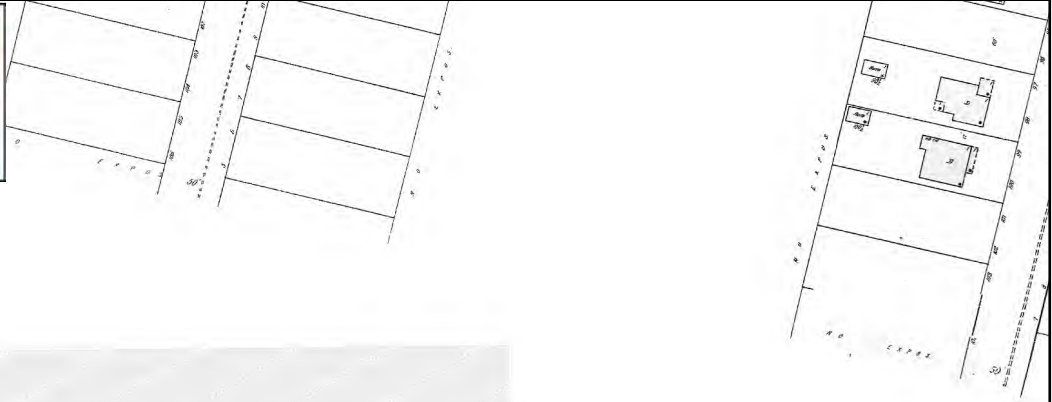


Volume 1, Sheet 13
 Volume 1, Sheet 17
 Volume 1, Sheet 12



1920 Certified Sanborn Map

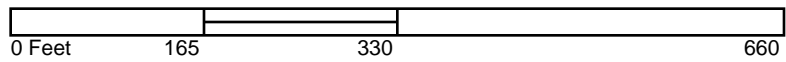
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 Address: ~~ACE Montebello Corridor Grade~~
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
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Volume 1, Sheet 3





ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

October 14, 2015

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Site Name: ACE Montebello Corridor Grade
Client Name: HDR
ACE Montebello Corridor Grade 3200 East Camelback Road
Montebello, CA 90640 Phoenix, AZ 85018
EDR Inquiry # 4436187.1 Contact: Lori Arena



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Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
Project: NA
Certification # 010D-425D-B068



Sanborn® Library search results
Certification # 010D-425D-B068

Maps Provided:

1966
1950
1929
1925
1920

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Sanborn Sheet Thumbnails

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1966 Source Sheets



Volume 33, Sheet 3342



Volume 33, Sheet 3343



Volume 33, Sheet 3348



Volume 33, Sheet 3349

1950 Source Sheets



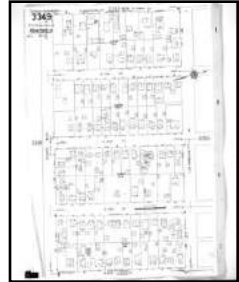
Volume 33, Sheet 3342



Volume 33, Sheet 3343



Volume 33, Sheet 3348



Volume 33, Sheet 3349

1929 Source Sheets



Volume 33, Sheet 3342



Volume 33, Sheet 3343



Volume 33, Sheet 3348

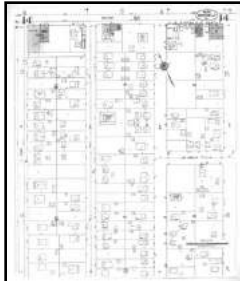


Volume 33, Sheet 3349

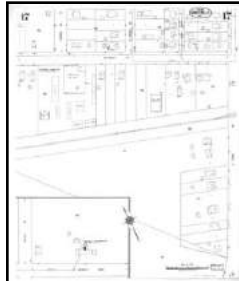
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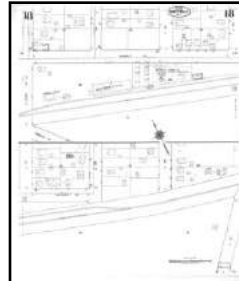
Volume 1, Sheet 13



Volume 1, Sheet 14



Volume 1, Sheet 17

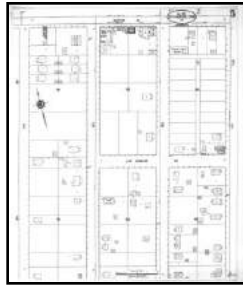


Volume 1, Sheet 18

1920 Source Sheets



Volume 1, Sheet 4



Volume 1, Sheet 5



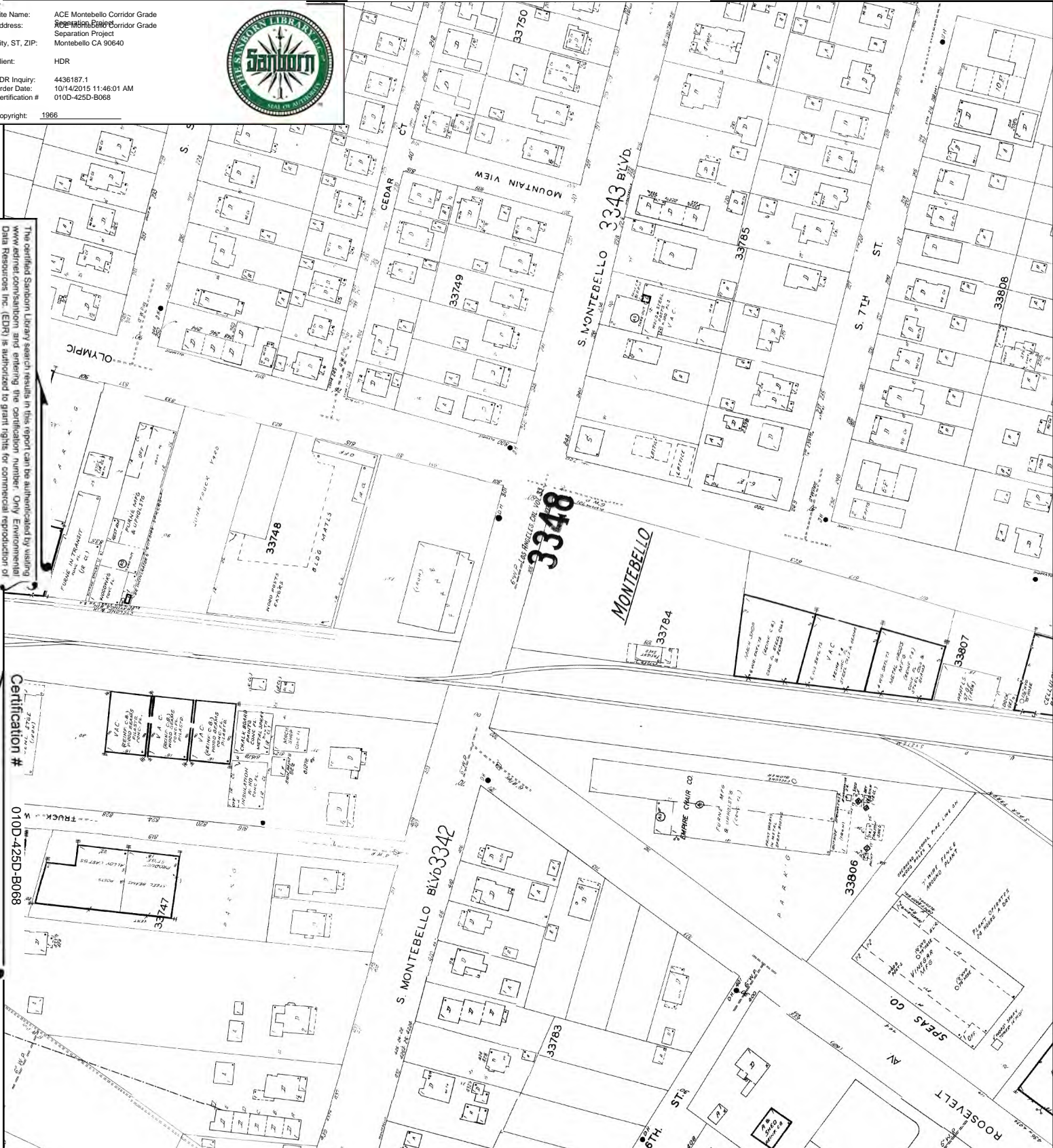
Volume 1, Sheet 6

1966 Certified Sanborn Map

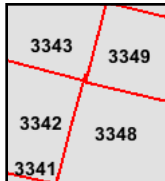
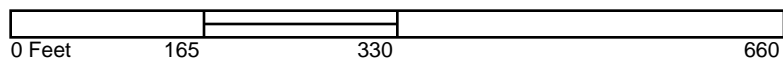
Site Name: ACE Montebello Corridor Grade
 Address: 3343 Montebello Corridor Grade
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
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- Volume 33, Sheet 3343
- Volume 33, Sheet 3348
- Volume 33, Sheet 3349

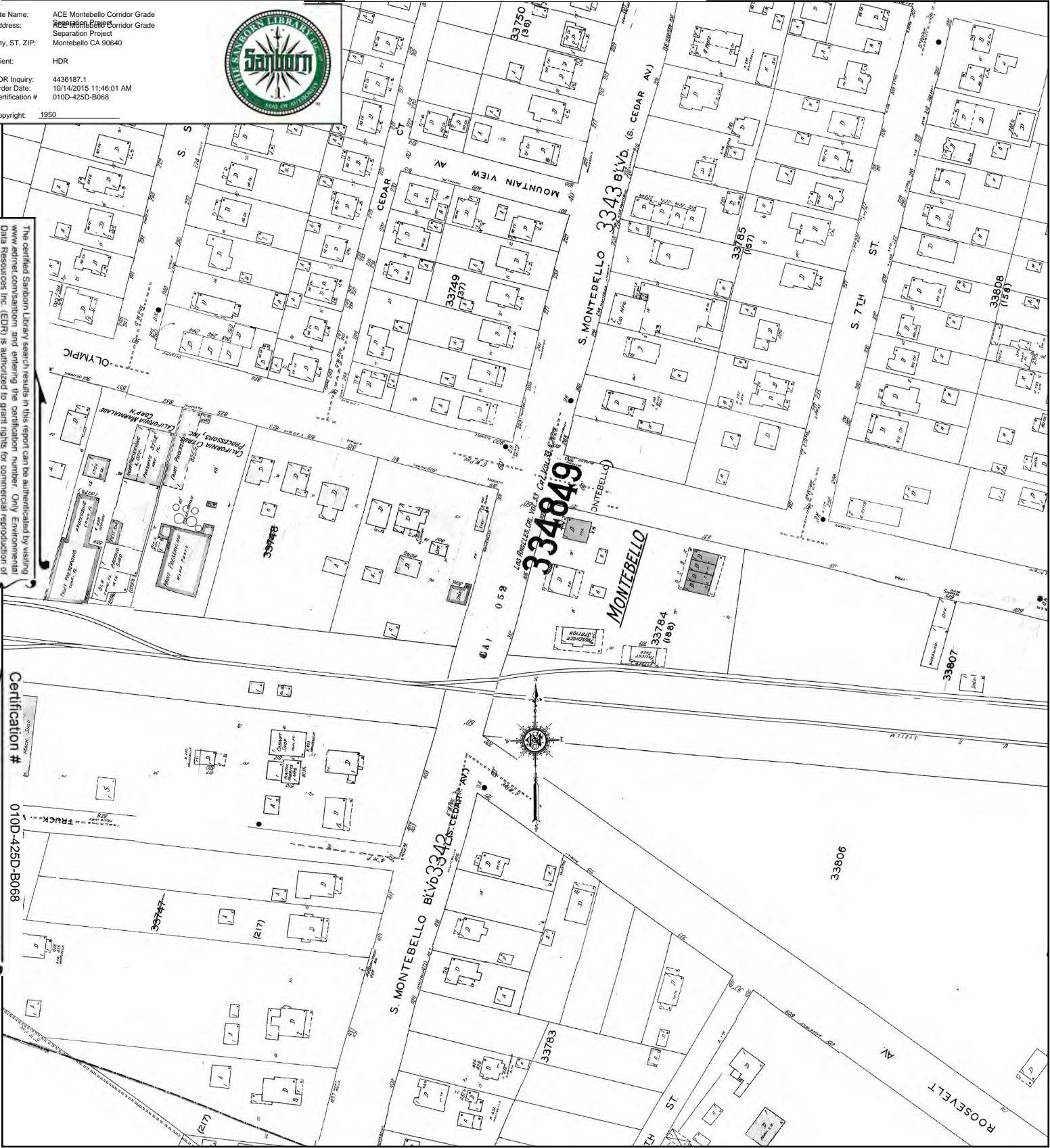


1950 Certified Sanborn Map

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 City, ST, ZIP: Montebello CA 90640
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 Copyright: 1950

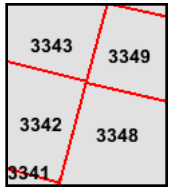
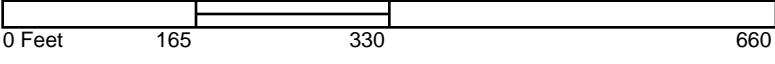


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- Volume 33, Sheet 3342
- Volume 33, Sheet 3343
- Volume 33, Sheet 3348
- Volume 33, Sheet 3349

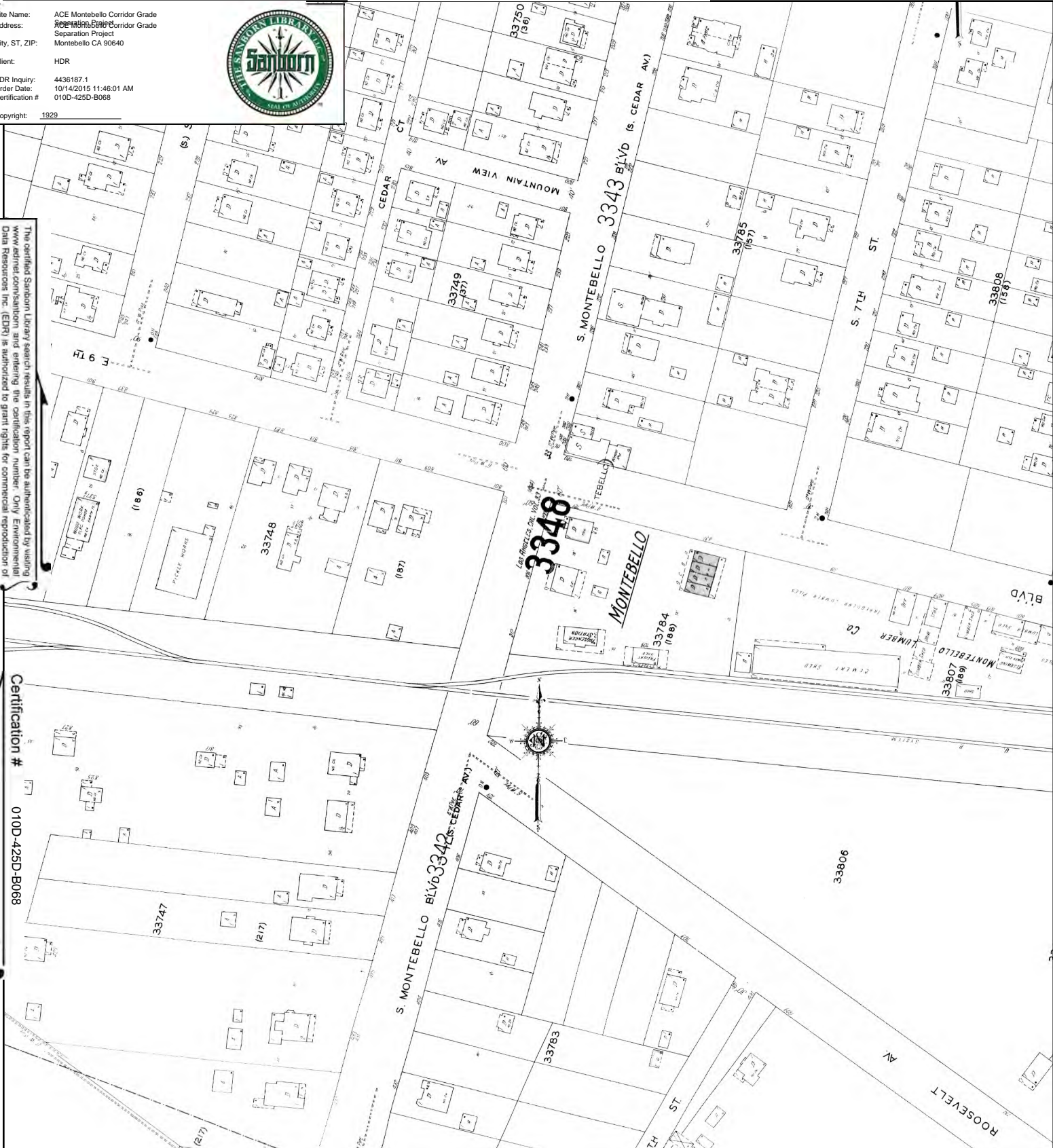


1929 Certified Sanborn Map

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 Address: 3343 S. Montebello Blvd
 Separation Project
 City, ST, ZIP: Montebello CA 90640
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 EDR Inquiry: 4436187.1
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 Copyright: 1929

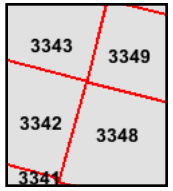
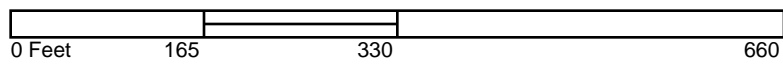


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- Volume 33, Sheet 3342
- Volume 33, Sheet 3343
- Volume 33, Sheet 3348
- Volume 33, Sheet 3349

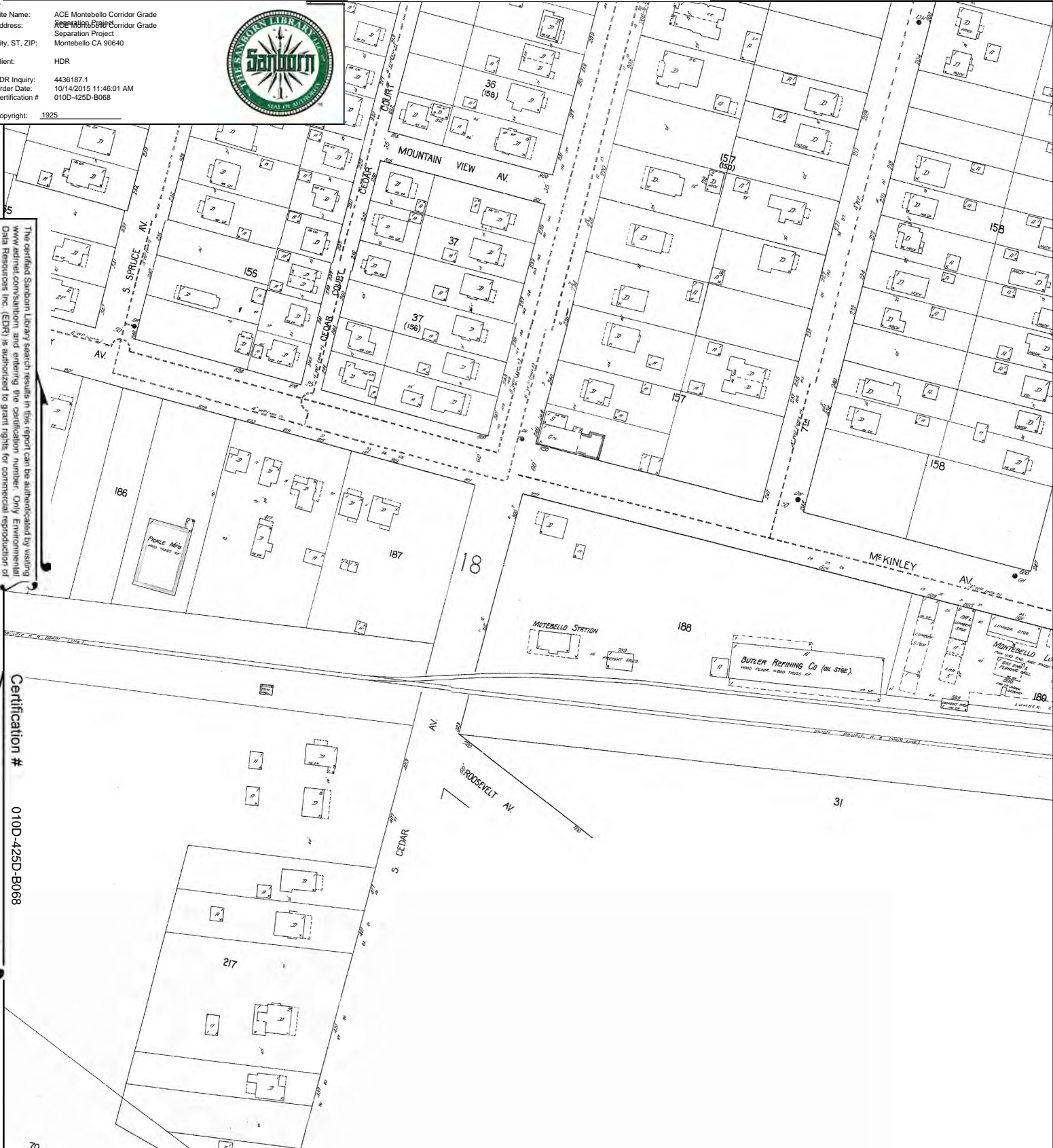


1925 Certified Sanborn Map

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 City, ST, ZIP: Montebello CA 90640
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 Certification #: 010D-425D-B068
 Copyright: 1925

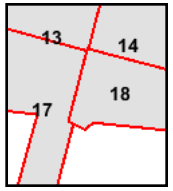
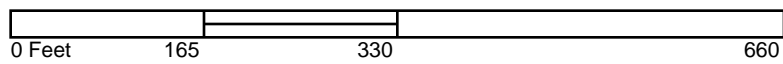


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- Volume 1, Sheet 13
- Volume 1, Sheet 14
- Volume 1, Sheet 17
- Volume 1, Sheet 18



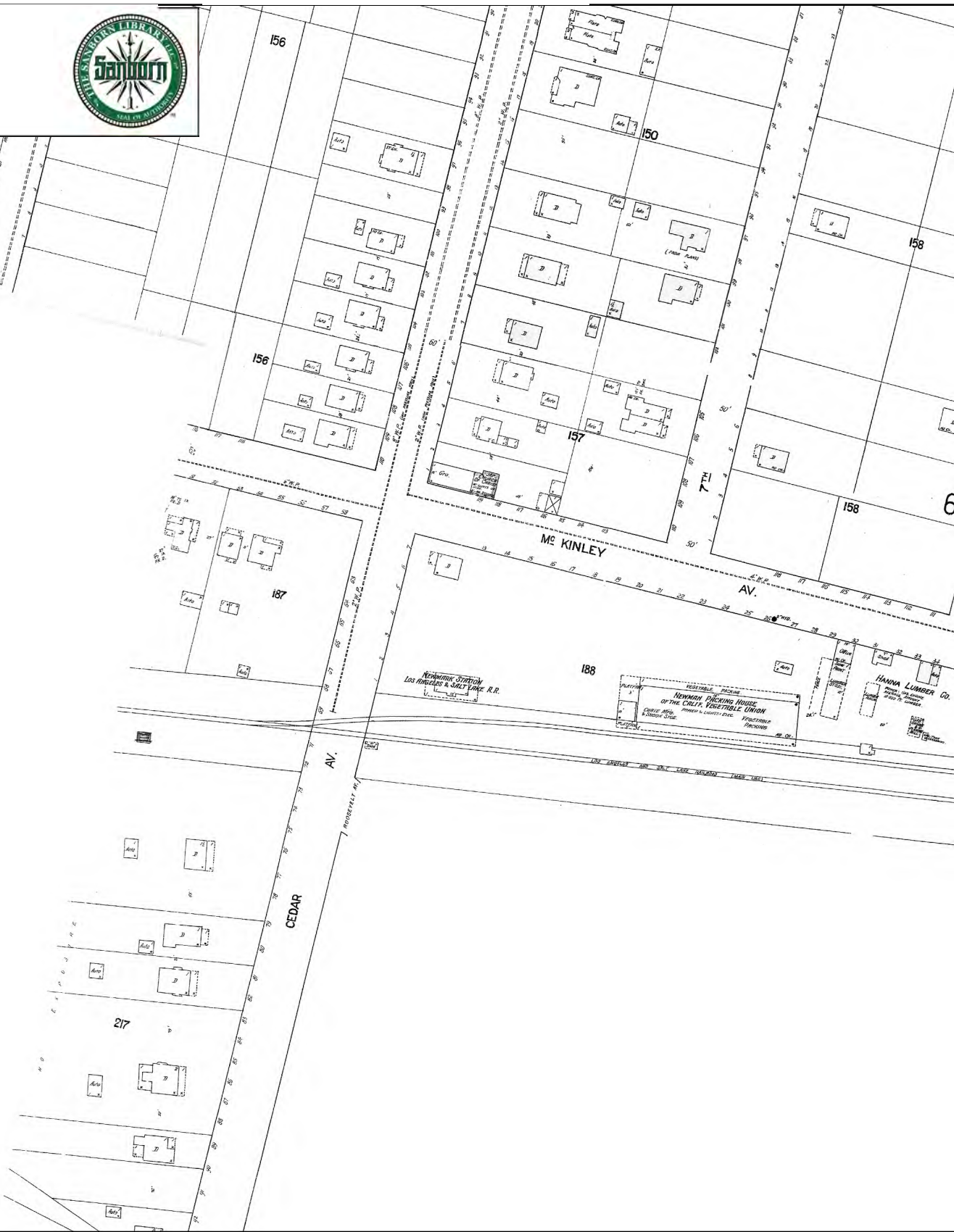
1920 Certified Sanborn Map

Site Name: ACE Montebello Corridor Grade
 Address: ~~ACE Montebello Corridor Grade~~
 Separation Project
 City, ST, ZIP: Montebello CA 90640
 Client: HDR
 EDR Inquiry: 4436187.1
 Order Date: 10/14/2015 11:46:01 AM
 Certification #: 010D-425D-B068
 Copyright: 1920

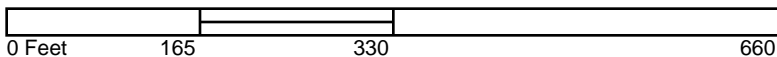


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- Volume 1, Sheet 4
- Volume 1, Sheet 5
- Volume 1, Sheet 6





ACE Montebello Corridor Grade Separation Project

ACE Montebello Corridor Grade Separation Project

Montebello, CA 90640

Inquiry Number: 4436187.1

October 14, 2015

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/14/15

Site Name: ACE Montebello Corridor Grade
Client Name: HDR
ACE Montebello Corridor Grade 3200 East Camelback Road
Montebello, CA 90640 Phoenix, AZ 85018
EDR Inquiry # 4436187.1 Contact: Lori Arena



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: ACE Montebello Corridor Grade Separation
Address: ACE Montebello Corridor Grade Separation
City, State, Zip: Montebello, CA 90640
Cross Street:
P.O. # NA
Project: NA
Certification # 010D-425D-B068



Sanborn® Library search results
Certification # 010D-425D-B068

Maps Provided:

1966
1950
1929
1925
1920

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1966 Source Sheets



Volume 33, Sheet 3348



Volume 33, Sheet 3349



Volume 33, Sheet 3350



Volume 33, Sheet 3354



Volume 33, Sheet 3355

1950 Source Sheets



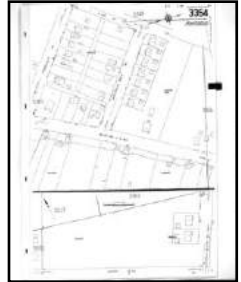
Volume 33, Sheet 3348



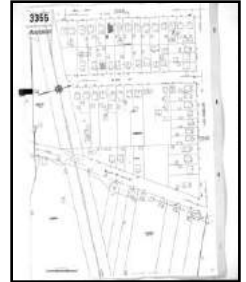
Volume 33, Sheet 3349



Volume 33, Sheet 3350

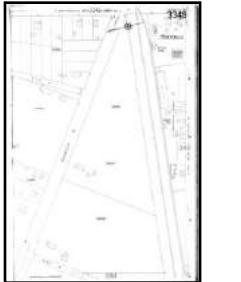


Volume 33, Sheet 3354

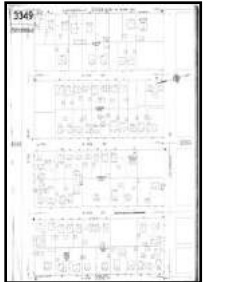


Volume 33, Sheet 3355

1929 Source Sheets



Volume 33, Sheet 3348



Volume 33, Sheet 3349



Volume 33, Sheet 3350

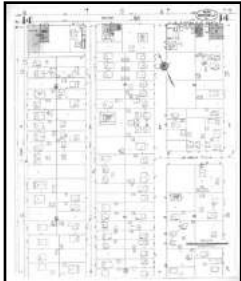


Volume 33, Sheet 3354



Volume 33, Sheet 3355

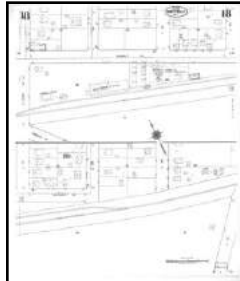
1925 Source Sheets



Volume 1, Sheet 14



Volume 1, Sheet 15



Volume 1, Sheet 18