

ALAMEDA COUNTY
**HEALTH CARE SERVICES
AGENCY**

ALEX BRISCOE, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH
OFFICE OF THE DIRECTOR
1131 HARBOR BAY PARKWAY
ALAMEDA, CA 94502
(510) 567-6777
FAX (510) 337-9135

REMEDIAL ACTION COMPLETION CERTIFICATION

May 30, 2014

Mr. Tim Bishop
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
San Ramon, CA 94583
(sent via electronic mail to:
TimBishop@chevron.com)

Mr. Bill Borgh
ConocoPhillips
76 Broadway
Sacramento, CA 95818
(sent via electronic mail to:
Bill.Borgh@conocophillips.com)

Mr. Najmeddin Revan
Emeryville Chevron
1400 Powell Street
Emeryville, CA 94608

Subject: Case Closure for Fuel Leak Case No. RO0000067 and Geotracker Global ID T0601745736, Tosco 76 #3737 / Chevron, 1400 Powell Street, Emeryville, CA 94608

Dear Messrs. Bishop, Borgh, and Revan:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
- Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,


Ariu Levi
Director

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

ALEX BRISCOE, Director



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

May 30, 2014

Mr. Tim Bishop
Chevron Environmental Management Co.
6101 Bollinger Canyon Road
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Dear Messrs. Bishop, Borgh, and Revan:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.waterboards.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

Due to residual contamination, the site was closed with Site Management Requirements that limit future land use to the current commercial land use as an active fueling station. Site Management Requirements are further described in section IV of the attached Case Closure Summary.

If you have any questions, please call Mark Detterman at (510) 567-6876. Thank you.

Sincerely,

A handwritten signature in blue ink that reads 'Dilan Roe'.

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures: 1. Remedial Action Completion Certification
2. Case Closure Summary

Cc w/enc.: Leah Ackerman, Arcadis U.S, Inc, 100 Montgomery Street, Suite 300, San Francisco, CA 94104
(sent via E-mail to Leah.Ackerman@arcadis-us.com)

Michael Roberts, Senior Civil Engineer, Public Works Department, City of Emeryville, 1333 Park Avenue Emeryville, CA 94608; (sent via E-mail to mroberts@ci.emeryville.ca.us)

Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM

I. AGENCY INFORMATION

Date: May 30, 2014

| | |
|--|--|
| Agency Name: Alameda County Environmental Health | Address: 1131 Harbor Bay Parkway |
| City/State/Zip: Alameda, CA 94502-6577 | Phone: (510) 567-6876 |
| Responsible Staff Person: Mark Detterman | Title: Senior Hazardous Materials Specialist |

II. CASE INFORMATION

| | | |
|--|--------------------------|-------------------------|
| Site Facility Name: Tosco 76 #3737 / Chevron | | |
| Site Facility Address: 1400 Powell, Emeryville, CA 94608 | | |
| RB Case No.: NA | Local Case No.: STID 367 | LOP Case No.: RO0000067 |
| GeoTracker ID: T06019745736 | | APN: 49-1327-1-11 |
| Current Land Use: Active Fueling Station | | |

| Responsible Parties | Addresses | Phone Numbers |
|---------------------|---|----------------|
| Tim Bishop | Chevron Environmental Management Company 6101 Bollinger Canyon Road San Ramon, CA 94583 | (925) 790-6463 |
| Bill Borgh | ConocoPhillips 76 Broadway Street Sacramento, CA 95818 | (916) 558-7666 |
| Najmeddin Ravan | 39 Mira Lane Orinda, CA 94563 | (510) 653-2251 |

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State of California Water Resources Control Board GeoTracker website (<http://geotracker.waterboards.ca.gov>). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

| | | |
|--|---|---|
| Cause and Type of Release: Release from underground storage tank (UST) system. Two holes were also observed in the top of the waste oil UST. | | |
| Number of monitoring wells installed: 6 | Number of monitoring wells destroyed: 6 | Number of monitoring wells remaining: 0 |
| Highest Groundwater Depth Below Ground Surface: 4.10 feet bgs | Lowest Depth: 8.51 feet bgs | Flow Direction: * |
| Most Sensitive Current Groundwater Use: Potential drinking water source. | | |

* Groundwater at the site is present in two water-bearing zones (A-Zone and B-Zone). The A-Zone groundwater gradient is typically directed towards the west; the B-Zone groundwater gradient is typically oriented towards the south.

| | |
|--|---|
| Summary of Production Wells in Vicinity: A January 2010 search indicated that there are no municipal or agricultural wells within a one-half mile radius of the site. One domestic well was located upgradient at a distance of approximately 2,200 feet. It is not considered a receptor. | |
| Are drinking water wells affected? No | Aquifer Name: East Bay Plain |
| Is surface water affected? No | Nearest Surface Water Name: Temescal Creek is located approximately 1,500 feet southwest of the site. |

LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed: Scenario 4

| Site Data | | LTCP Scenario 1 Criteria (ppb) | LTCP Scenario 2 Criteria (ppb) | LTCP Scenario 3 Criteria (ppb) | LTCP Scenario 4 Criteria (ppb) |
|--|---|--------------------------------|--------------------------------|---|--------------------------------|
| Plume Length | <1,000 | <100 feet | <250 feet | <250 feet | <1,000 feet |
| Free Product | No free product. | No free product | No free product | Removed to maximum extent practicable | No free product |
| Plume Stable or Decreasing | Stable | Stable or decreasing | Stable or decreasing | Stable or decreasing for minimum of 5 Years | Stable or decreasing |
| Distance to Nearest Water Supply Well | > 1,000 feet | >250 feet | >1,000 feet | >1,000 feet | >1,000 feet |
| Distance to Nearest Surface Water and Direction | >1,000 feet crossgradient | >250 feet | >1,000 feet | >1,000 feet | >1,000 feet |
| Property Owner Willing to Accept a Land Use Restriction? | Not applicable for groundwater specific criteria. | Not applicable | Not applicable | Yes | Not applicable |

GROUNDWATER CONCENTRATIONS

| Constituent | Historic Site Maximum (ppb) | Current Site Maximum (ppb) | LTCP Scenario 1 Criteria (ppb) | LTCP Scenario 2 Criteria (ppb) | LTCP Scenario 3 Criteria (ppb) | LTCP Scenario 4 Criteria (ppb) |
|-------------|-----------------------------|----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Benzene | 860 | 360 | No criteria | 3,000 | No criteria | 1,000 |
| MTBE | 290 | 250 | No criteria | 1,000 | No criteria | 1,000 |
| TBA | 3,400 | 3,000 | No criteria | No criteria | No criteria | No criteria |

Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?

LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: Active fueling station exempt from vapor specific criteria.

Active Fueling Station Active as of May 30, 2014

| Site Data | | LTCP Scenario 1 Criteria | LTCP Scenario 2 Criteria | LTCP Scenario 3A Criteria | LTCP Scenario 3B Criteria | LTCP Scenario 3C Criteria | LTCP Scenario 4 Criteria |
|--|-----------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| Unweathered NAPL | No NAPL | LNAPL in groundwater | LNAPL in soil | No NAPL | No NAPL | No NAPL | No criteria |
| Thickness of Bioattenuation Zone Beneath Foundation | <5 feet | ≥30 feet | ≥30 feet | ≥5 feet | ≥10 feet | ≥5 feet | ≥5 feet |
| Total TPH in Bioattenuation Zone | 1,200 ppm | <100 ppm | <100 ppm | <100 ppm | <100 ppm | <100 ppm | <100 ppm |
| Maximum Current Benzene Concentration in Groundwater | 360 | No criteria | No criteria | <100 ppb | ≥100 and <1,000 ppb | <1,000 ppb | No criteria |
| Oxygen Data within Bioattenuation Zone | No data | No criteria | No criteria | No oxygen data or <4% | No oxygen data or <4% | ≥4% at lower end of zone | ≥4% at lower end of zone |
| Depth of soil vapor measurement beneath foundation | NA | No criteria | No criteria | No criteria | No criteria | No criteria | ≥5 feet |

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

| Site Soil Vapor Data | | | No Bioattenuation Zone | | Bioattenuation Zone | |
|----------------------|---------------------------------------|--------------------------------------|------------------------|------------|---------------------|------------|
| Constituent | Historic Maximum (µg/m ³) | Current Maximum (µg/m ³) | Residential | Commercial | Residential | Commercial |
| Benzene | ---- | ---- | <85 | <280 | <85,000 | <280,000 |
| Ethylbenzene | ---- | ---- | <1,100 | <3,600 | <1,100,000 | <3,600,000 |
| Naphthalene | ---- | ---- | <93 | <310 | <93,000 | <310,000 |

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?

If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below.

Are maximum concentrations less than those in Table 1 below?

Yes

| Constituent | | Residential | | Commercial/Industrial | | Utility Worker |
|---------------|--------------|-----------------------|--|-----------------------|--|------------------------|
| | | 0 to 5 feet bgs (ppm) | Volatilization to outdoor air (5 to 10 feet bgs) ppm | 0 to 5 feet bgs (ppm) | Volatilization to outdoor air (5 to 10 feet bgs) ppm | 0 to 10 feet bgs (ppm) |
| Site Maximum | Benzene | ---- | ---- | 1.2 | 1.3 | 1.3 |
| LTCP Criteria | Benzene | ≤1.9 | ≤2.8 | ≤8.2 | ≤12 | ≤14 |
| Site Maximum | Ethylbenzene | ---- | ---- | 3.1 | 13 | 13 |
| LTCP Criteria | Ethylbenzene | ≤21 | ≤32 | ≤89 | ≤134 | ≤314 |
| Site Maximum | Naphthalene | ---- | ---- | 0.065 | 0.11 | 0.11 |
| LTCP Criteria | Naphthalene | ≤9.7 | ≤9.7 | ≤45 | ≤45 | ≤219 |
| Site Maximum | PAHs | ---- | ---- | ---- | <0.10 | <0.10 |
| LTCP Criteria | PAHs | ≤0.063 | NA | ≤0.68 | NA | ≤4.5 |

If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?

If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?

IV. CLOSURE

Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.

Site Management Requirements:

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Under the current land use as an active fueling station, the site is not required to meet media-specific criteria for vapor intrusion to indoor air. Therefore, case closure is granted for the current commercial land use as an active fueling station.

If a change in land use to any residential, commercial other than as a commercial fueling station, or conservative land use, or if any redevelopment occurs, Alameda County Environmental Health (ACEH) must be notified as required by Government Code Section 65850.2.2. Due to the potential for vapor intrusion to indoor air for future buildings, ACEH will re-evaluate the case upon receipt of approved development/construction plans.

Excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

This site is to be entered into the City of Emeryville Permit Tracking System due to the residual contamination on site.

Should corrective action be reviewed if land use changes? Yes

Was a deed restriction or deed notification filed? No

Date Recorded: ----

V. ADDITIONAL COMMENTS AND CONCLUSION



Additional Comments:

The risk of vapor intrusion from the subject site to the immediate offsite downgradient buildings is not considered a significant risk due to ventilated first floor parking and a thick concrete slabs. Chlorinated solvent contamination in groundwater is present from multiple release sites downgradient of the subject site.

Conclusion:

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time. However, as specified in the Site Management Requirements, re-evaluation of this case is required if land uses changes to any residential or other conservative land use, or any redevelopment occurs.


VI. LOCAL AGENCY REPRESENTATIVE DATA

| | |
|--|--|
| Prepared by: Mark Detterman, P.G., C.E.G. | Title: Senior Hazardous Materials Specialist |
| Signature:  | Date: 5/30/2014 |
| Approved by: Dilah Roe | Title: LOP and SCP Program Manager |
| Signature:  | Date: 6/2/2014 |

VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

| | |
|--|------------------------------|
| Regional Board Staff Name: Cherie McCaulou | Title: Engineering Geologist |
| Regional Board Notification Date: 12/18/2013 | |
| Public Notification Date: 12/18/2013 | |

VIII. MONITORING WELL DESTRUCTION

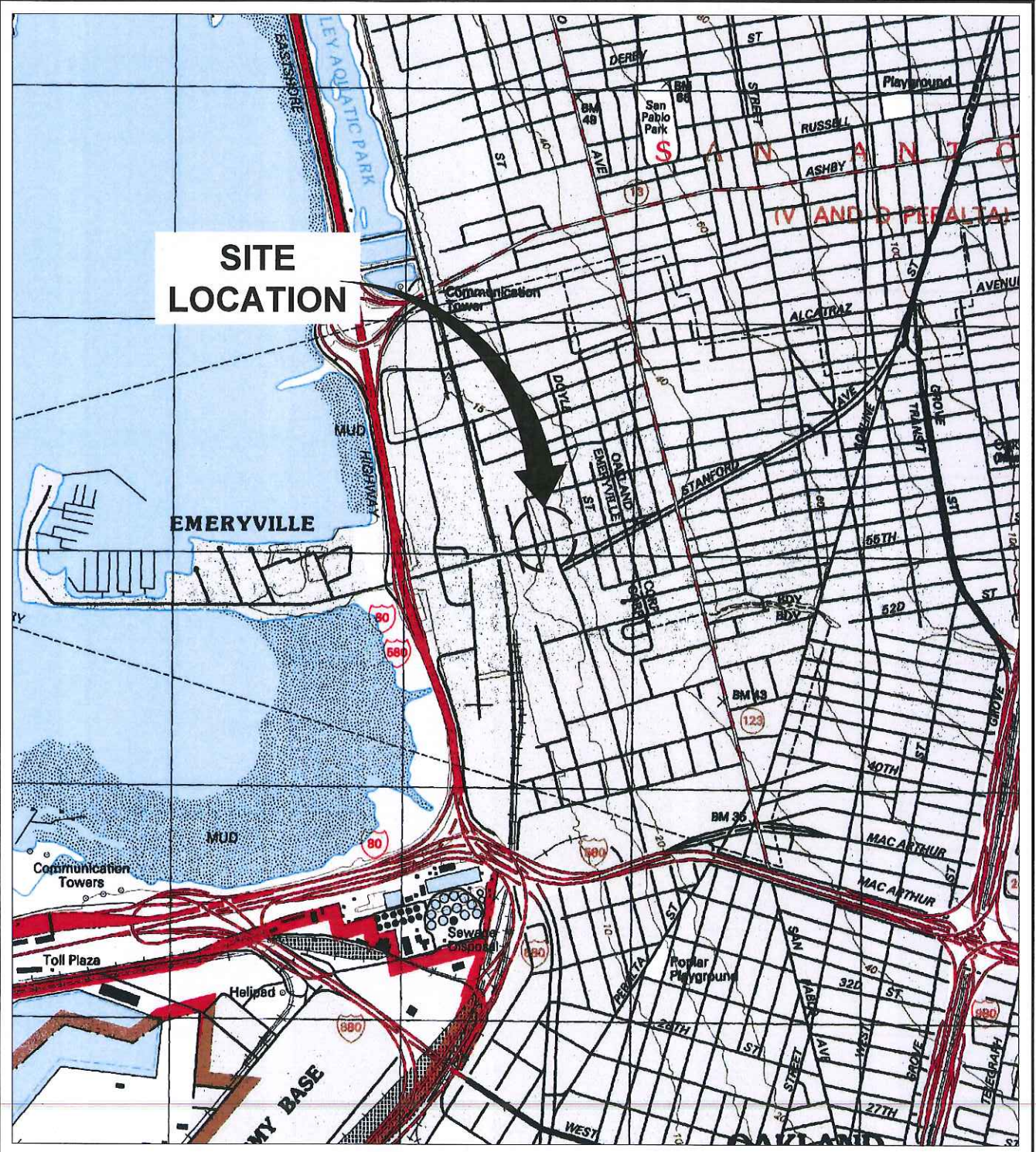
| | | |
|--|---|--------------------|
| Date Requested by ACEH: 3/10/2014 | Date of Well Decommissioning Report: 4/8/2014 | |
| All Monitoring Wells Destroyed: Yes | Number Destroyed: 6 | Number Retained: 0 |
| Reason Wells Retained: ---- | | |
| Additional requirements for submittal of groundwater data from retained wells: ---- | | |
| ACEH Concurrence - Signature:  | Date: 5/30/2014 | |

Attachments:

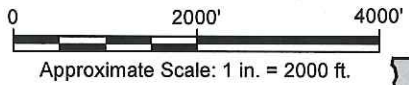
1. Site Vicinity Map and Aerial Photo (3 pp)
2. Site Plan (6 p)
3. Groundwater Contour and Chemical Concentration Maps (6 pp)
4. Soil and Soil Vapor Analytical Data (25 pp)
5. Groundwater Analytical Data (23 pp)
6. Cross Sections (6 pp)

ATTACHMENT 1

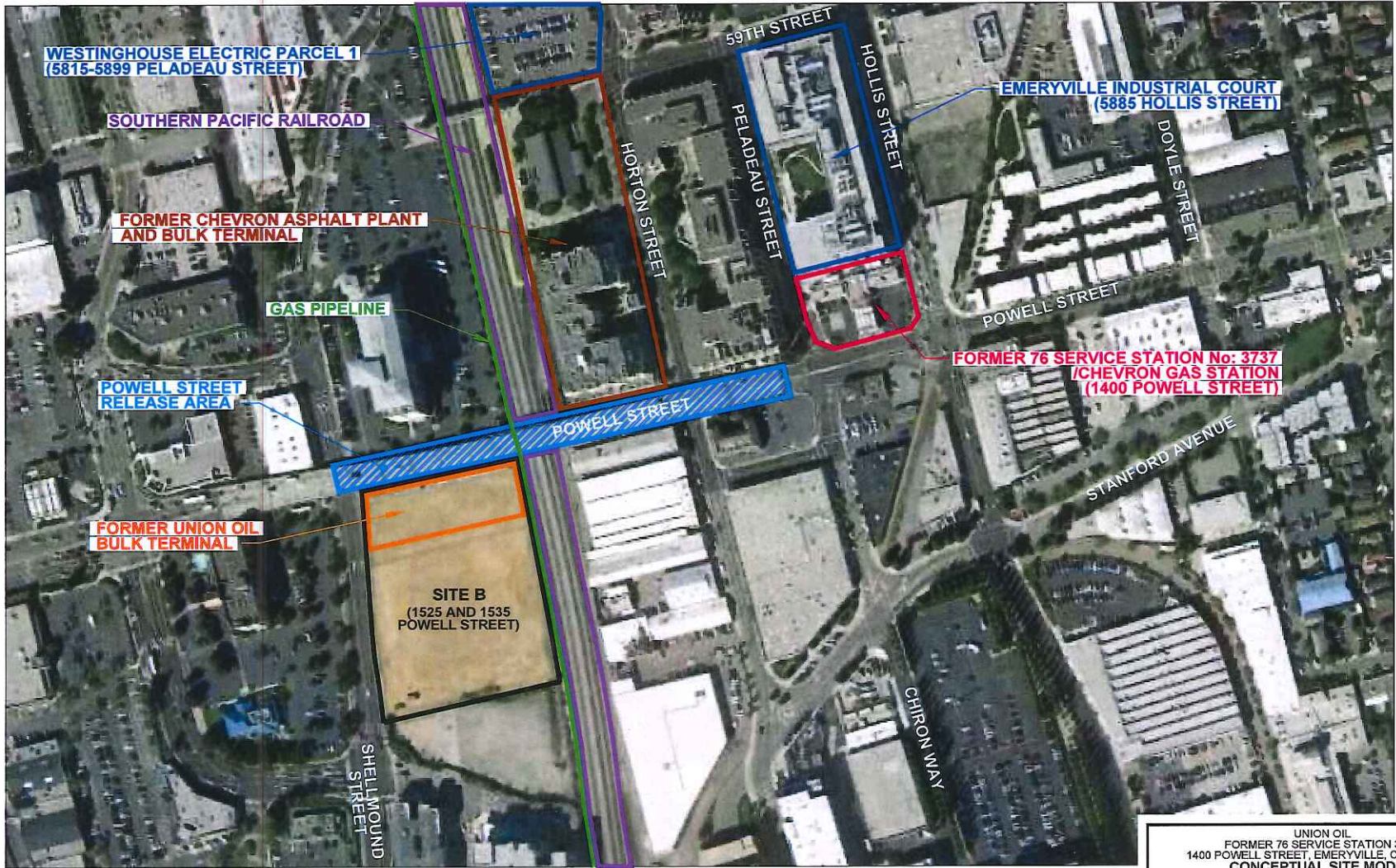
CITY: PETAJUMA, CA DIV/GROUP: ENV DB: J. HARRIS
 G:\ENV\CAD\Cadastral\Mesa\RETURN-TO-Petaluma-CA\B0047937\0000000002\41247937\01.dwg LAYOUT: 1 SAVED: 12/27/2012 9:42 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 12/27/2012 9:43 AM BY: MURESAN, ELENA
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REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., OAKLAND WEST, CALIFORNIA, 1993.

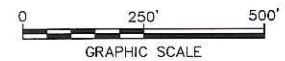


| | |
|---|--------------------|
| UNION OIL FORMER 76 SERVICE STATION 3737 1400 POWELL STREET EMERYVILLE, CALIFORNIA | |
| SITE LOCATION MAP | |
| | FIGURE 1 |



NOTES:

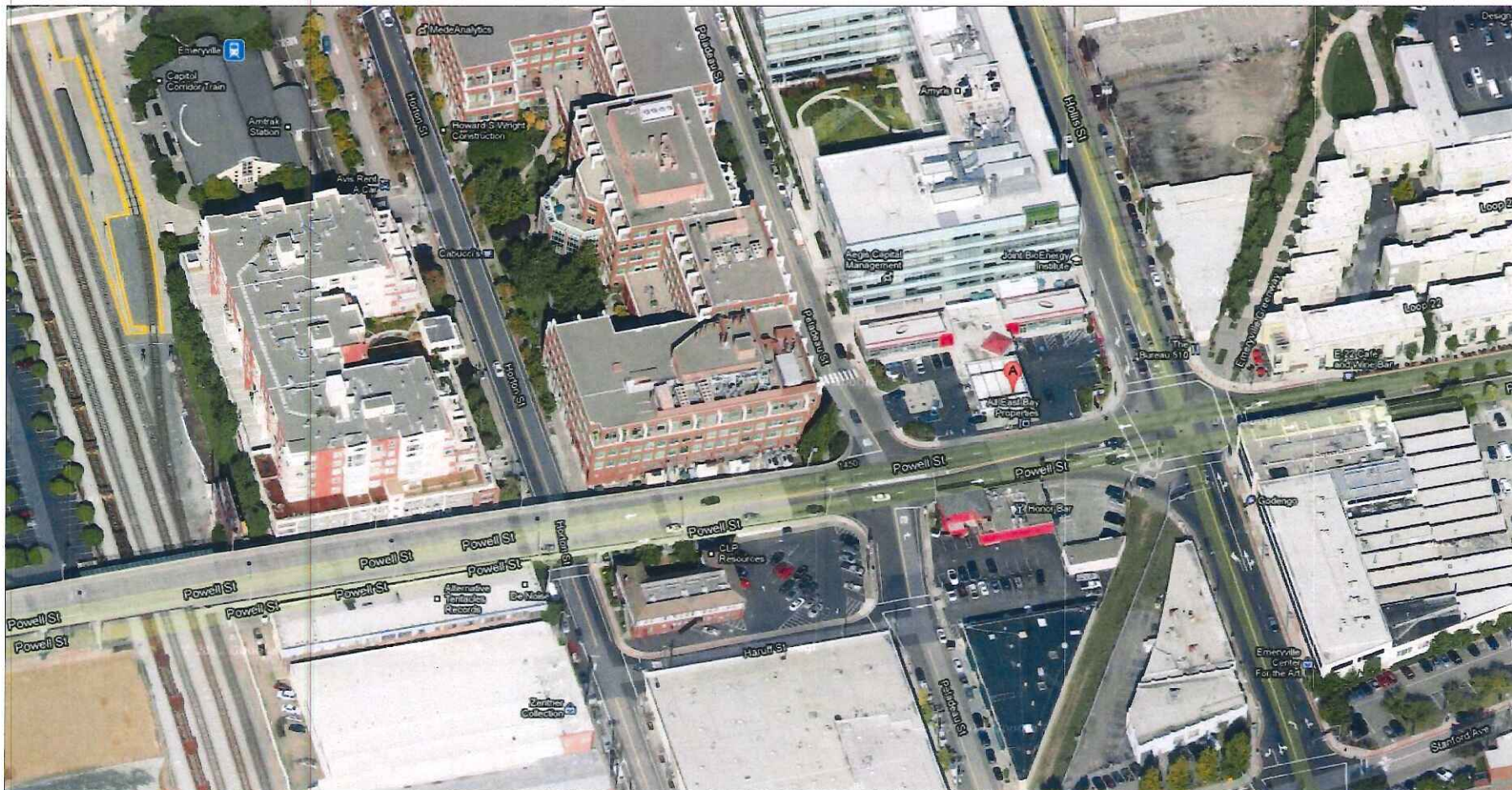
- 1. AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH ON AUGUST 4, 2010.
- 2. BRIEF DESCRIPTIONS OF THE SITES SHOWN ARE INCLUDED IN SECTION 2.



| | |
|--|--------------------|
| UNION OIL FORMER 76 SERVICE STATION 3737 1400 POWELL STREET, EMERYVILLE, CALIFORNIA CONCEPTUAL SITE MODEL | |
| SITE AND NEIGHBORING PROPERTIES | |
| | FIGURE 2 |



To see all the details that are visible on the screen, use the "Print" link next to the map.



ATTACHMENT 2

CITY: Petaluma, CA DWGNO: D:\ENR\ENR - DBL J. HARRIS DATE: 12/22/2011 8:17 AM ACQNO: 12/22/2011 8:17 AM PLOTFILE: C:\WORK\121518\121518\121518\121518.dwg PLOTJOB: 12/22/2011 8:17 AM PLOTTER: HP DesignJet 5000 PROJECTNAME: 121518-121518-121518-121518.dwg IMAGE: DATE: 12/22/2011 8:17 AM



LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- MONITORING WELL LOCATION (SHALLOW ZONE)
- MONITORING WELL LOCATION (DEEP ZONE)
- TANK CAVITY WELL (GRAB SAMPLE) 2
- DEWATERING WELL (OFFSITE) 2
- TR-54 APPROXIMATE CONFIRMATION SOIL SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2006 (POST 2006 EXCAVATION AND DEWATERING; RETRIEVED FROM FINAL EXCAVATION DEPTH) 2
- TR-11 APPROXIMATE HISTORICAL SOIL SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2000-2006 (PRIOR TO 2006 EXCAVATION AND DEWATERING) 2
- TR-25 APPROXIMATE SOIL AND GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2000-2006 (PRIOR TO 2006 EXCAVATION AND DEWATERING) 2
- TR-GW GRAB GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO, 2008
- D-1 HISTORICAL BORING LOCATION (ONSITE) 2
- CPT BORING LOCATION, 2009
- TRCPT-8 APPROXIMATE CPT BORING LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2010
- TV1 SOIL VAPOR SAMPLING LOCATION (1997)
- MWT-1 TEMPORARY MONITORING WELL LOCATION, 2012
- APPROXIMATE LOCATION OF SITE FEATURES ON 1951 SANBORN MAP
- 2006 EXCAVATION EXTENT (12'-16' FEET BELOW GROUND SURFACE)
- ELECTRICAL UTILITY
- GAS UTILITY
- WATER LINE
- STORM SEWER
- COMMUNICATIONS LINE
- IRRIGATION LINE
- 3'-10" UTILITY DEPTH IN FEET BELOW GROUND SURFACE
- LAMP POST
- STORM DRAIN
- SEWER JUNCTION

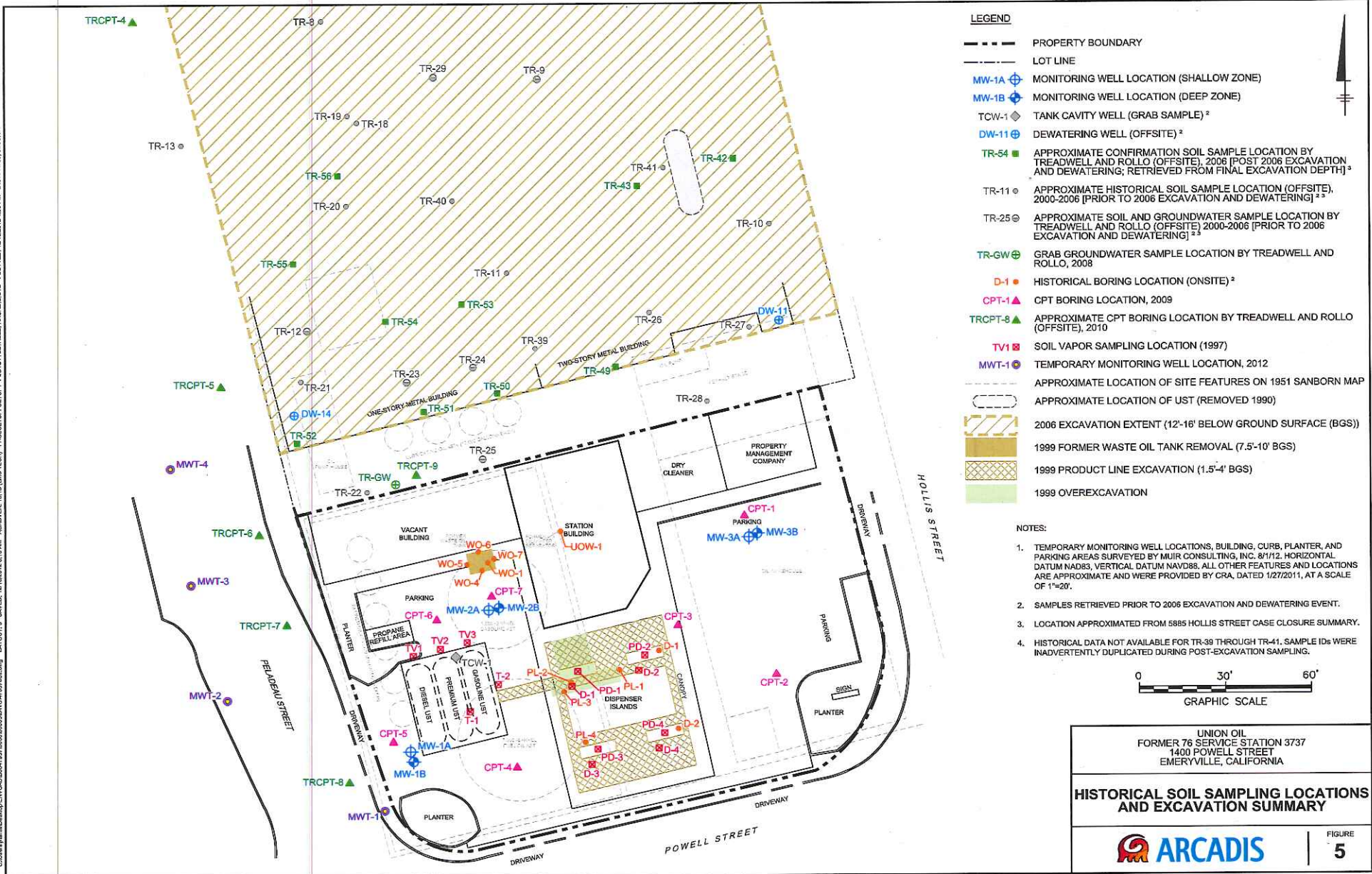
0 25' 50'
GRAPHIC SCALE

- NOTES:
- TEMPORARY MONITORING WELL LOCATIONS, BUILDING, CURB, PLANTER, AND PARKING AREAS SURVEYED BY MUIR CONSULTING, INC. 8/1/12. HORIZONTAL DATUM NAD83, VERTICAL DATUM NAVD83. ALL OTHER FEATURES AND LOCATIONS ARE APPROXIMATE AND WERE PROVIDED BY CRA, DATED 1/27/2011, AT A SCALE OF 1"=20'.
 - SAMPLES RETRIEVED PRIOR TO 2006 EXCAVATION AND DEWATERING EVENT.
 - LOCATION APPROXIMATED FROM 5885 HOLLIS STREET CASE CLOSURE SUMMARY.
 - HISTORICAL DATA NOT AVAILABLE FOR TR-39 THROUGH TR-41. SAMPLE IDs WERE INADVERTENTLY DUPLICATED DURING POST-EXCAVATION SAMPLING.

UNION OIL
 FORMER 78 SERVICE STATION 3737
 1400 POWELL STREET
 EMERYVILLE, CALIFORNIA

SUBSURFACE UTILITY MAP

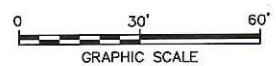
FIGURE
8



LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- MW-1A ⊕ MONITORING WELL LOCATION (SHALLOW ZONE)
- MW-1B ⊕ MONITORING WELL LOCATION (DEEP ZONE)
- TCW-1 ⊕ TANK CAVITY WELL (GRAB SAMPLE) 2
- DW-11 ⊕ DEWATERING WELL (OFFSITE) 2
- TR-54 ■ APPROXIMATE CONFIRMATION SOIL SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2006 [POST 2006 EXCAVATION AND DEWATERING; RETRIEVED FROM FINAL EXCAVATION DEPTH] 3
- TR-11 ⊕ APPROXIMATE HISTORICAL SOIL SAMPLE LOCATION (OFFSITE), 2000-2006 [PRIOR TO 2006 EXCAVATION AND DEWATERING] 2,3
- TR-25 ⊕ APPROXIMATE SOIL AND GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE) 2000-2006 [PRIOR TO 2006 EXCAVATION AND DEWATERING] 2,3
- TR-GW ⊕ GRAB GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO, 2008
- D-1 ● HISTORICAL BORING LOCATION (ONSITE) 2
- CPT-1 ▲ CPT BORING LOCATION, 2009
- TRCPT-8 ▲ APPROXIMATE CPT BORING LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2010
- TV1 ■ SOIL VAPOR SAMPLING LOCATION (1997)
- MWT-1 ⊕ TEMPORARY MONITORING WELL LOCATION, 2012
- APPROXIMATE LOCATION OF SITE FEATURES ON 1951 SANBORN MAP
- APPROXIMATE LOCATION OF UST (REMOVED 1990)
- 2006 EXCAVATION EXTENT (12'-16' BELOW GROUND SURFACE (BGS))
- 1999 FORMER WASTE OIL TANK REMOVAL (7.5'-10' BGS)
- 1999 PRODUCT LINE EXCAVATION (1.5'-4' BGS)
- 1999 OVEREXCAVATION

- NOTES:**
1. TEMPORARY MONITORING WELL LOCATIONS, BUILDING, CURB, PLANTER, AND PARKING AREAS SURVEYED BY MUIR CONSULTING, INC. 8/1/12. HORIZONTAL DATUM NAD83, VERTICAL DATUM NAVD88. ALL OTHER FEATURES AND LOCATIONS ARE APPROXIMATE AND WERE PROVIDED BY CRA, DATED 1/27/2011, AT A SCALE OF 1"=20'.
 2. SAMPLES RETRIEVED PRIOR TO 2006 EXCAVATION AND DEWATERING EVENT.
 3. LOCATION APPROXIMATED FROM 5885 HOLLIS STREET CASE CLOSURE SUMMARY.
 4. HISTORICAL DATA NOT AVAILABLE FOR TR-39 THROUGH TR-41. SAMPLE IDs WERE INADVERTENTLY DUPLICATED DURING POST-EXCAVATION SAMPLING.



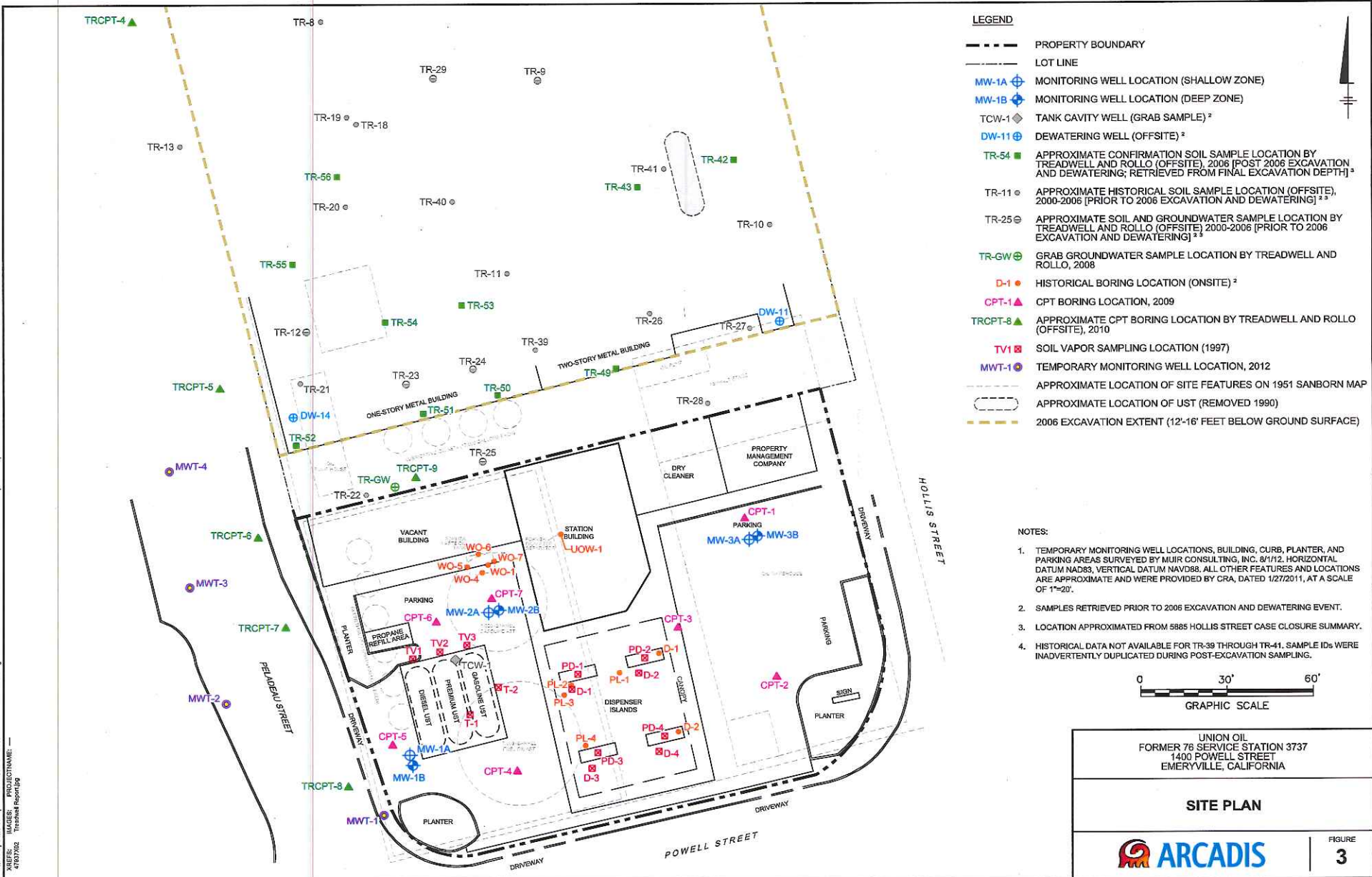
UNION OIL
FORMER 78 SERVICE STATION 3737
1400 POWELL STREET
EMERYVILLE, CALIFORNIA

**HISTORICAL SOIL SAMPLING LOCATIONS
AND EXCAVATION SUMMARY**

ARCADIS

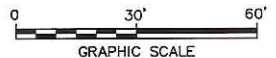
FIGURE
5

CITY OF Petaluma, CA DIVISION OF ENVIRONMENTAL SERVICES 47937302 TRASH REMEDIATION REPORT
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 47937302 TRASH REMEDIATION REPORT



- LEGEND**
- PROPERTY BOUNDARY
 - - - LOT LINE
 - MW-1A ⊕ MONITORING WELL LOCATION (SHALLOW ZONE)
 - MW-1B ⊕ MONITORING WELL LOCATION (DEEP ZONE)
 - TCW-1 ⊕ TANK CAVITY WELL (GRAB SAMPLE) ²
 - DW-11 ⊕ DEWATERING WELL (OFFSITE) ²
 - TR-54 ■ APPROXIMATE CONFIRMATION SOIL SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2006 [POST 2006 EXCAVATION AND DEWATERING; RETRIEVED FROM FINAL EXCAVATION DEPTH] ³
 - TR-11 ○ APPROXIMATE HISTORICAL SOIL SAMPLE LOCATION (OFFSITE), 2000-2006 [PRIOR TO 2006 EXCAVATION AND DEWATERING] ² ³
 - TR-25 ⊕ APPROXIMATE SOIL AND GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE) 2000-2006 [PRIOR TO 2006 EXCAVATION AND DEWATERING] ² ³
 - TR-GW ⊕ GRAB GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO, 2006
 - D-1 ● HISTORICAL BORING LOCATION (ONSITE) ²
 - CPT-1 ▲ CPT BORING LOCATION, 2009
 - TRCPT-8 ▲ APPROXIMATE CPT BORING LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2010
 - TV1 ■ SOIL VAPOR SAMPLING LOCATION (1997)
 - MWT-1 ⊕ TEMPORARY MONITORING WELL LOCATION, 2012
 - - - APPROXIMATE LOCATION OF SITE FEATURES ON 1951 SANBORN MAP
 - - - APPROXIMATE LOCATION OF UST (REMOVED 1990)
 - - - 2006 EXCAVATION EXTENT (12'-16' FEET BELOW GROUND SURFACE)

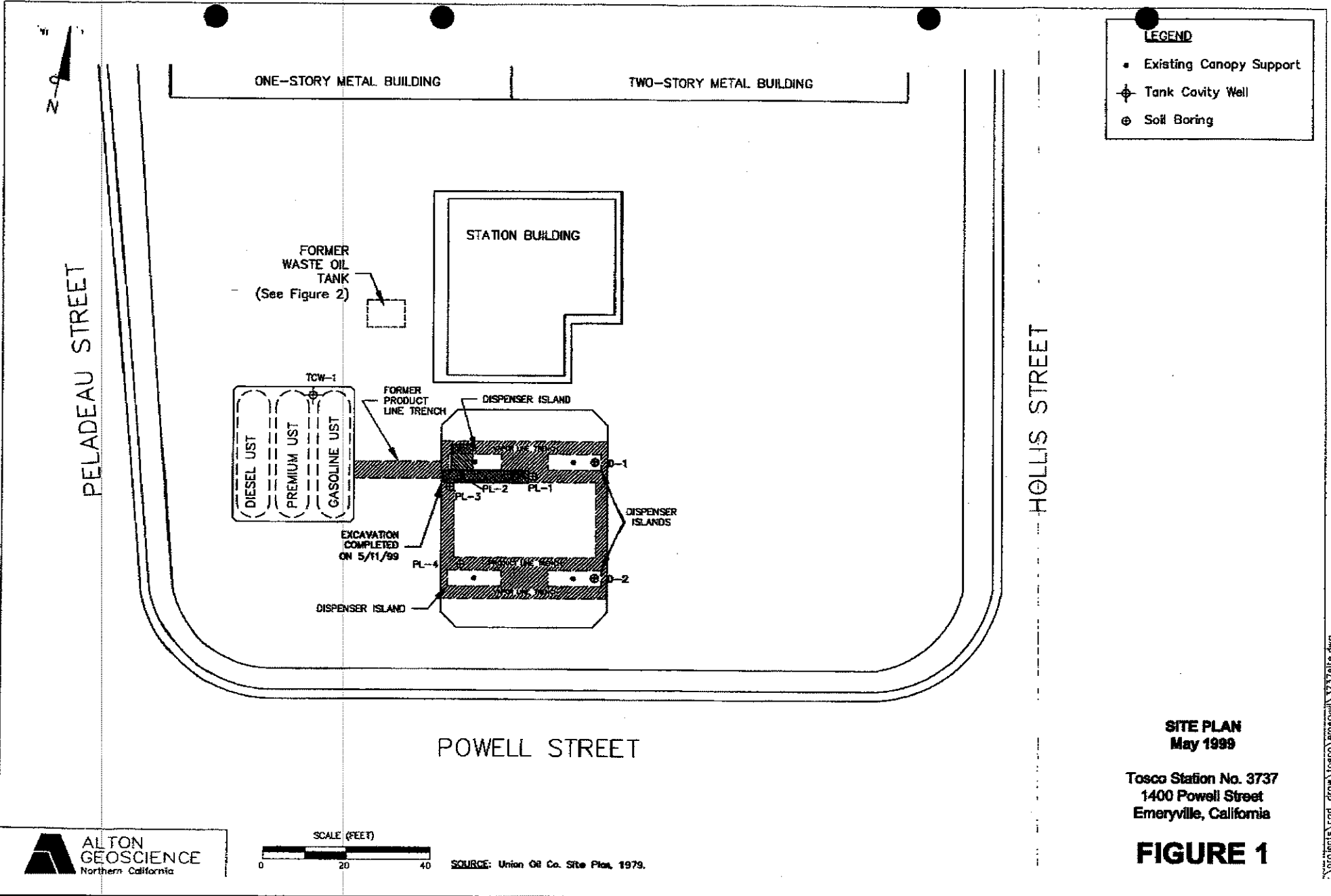
- NOTES:**
1. TEMPORARY MONITORING WELL LOCATIONS, BUILDING, CURB, PLANTER, AND PARKING AREAS SURVEYED BY MIJR CONSULTING, INC. 8/1/12. HORIZONTAL DATUM NAD83, VERTICAL DATUM NAVD88. ALL OTHER FEATURES AND LOCATIONS ARE APPROXIMATE AND WERE PROVIDED BY CRA, DATED 1/27/2011, AT A SCALE OF 1"=20'.
 2. SAMPLES RETRIEVED PRIOR TO 2006 EXCAVATION AND DEWATERING EVENT.
 3. LOCATION APPROXIMATED FROM 5885 HOLLIS STREET CASE CLOSURE SUMMARY.
 4. HISTORICAL DATA NOT AVAILABLE FOR TR-39 THROUGH TR-41. SAMPLE IDs WERE INADVERTENTLY DUPLICATED DURING POST-EXCAVATION SAMPLING.



UNION OIL
 FORMER 76 SERVICE STATION 3737
 1400 POWELL STREET
 EMERYVILLE, CALIFORNIA

SITE PLAN

FIGURE
3



LEGEND

- Existing Canopy Support
- ⊕ Tank Cavity Well
- ⊙ Soil Boring

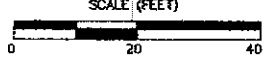
HOLLIS STREET

POWELL STREET

SITE PLAN
May 1999

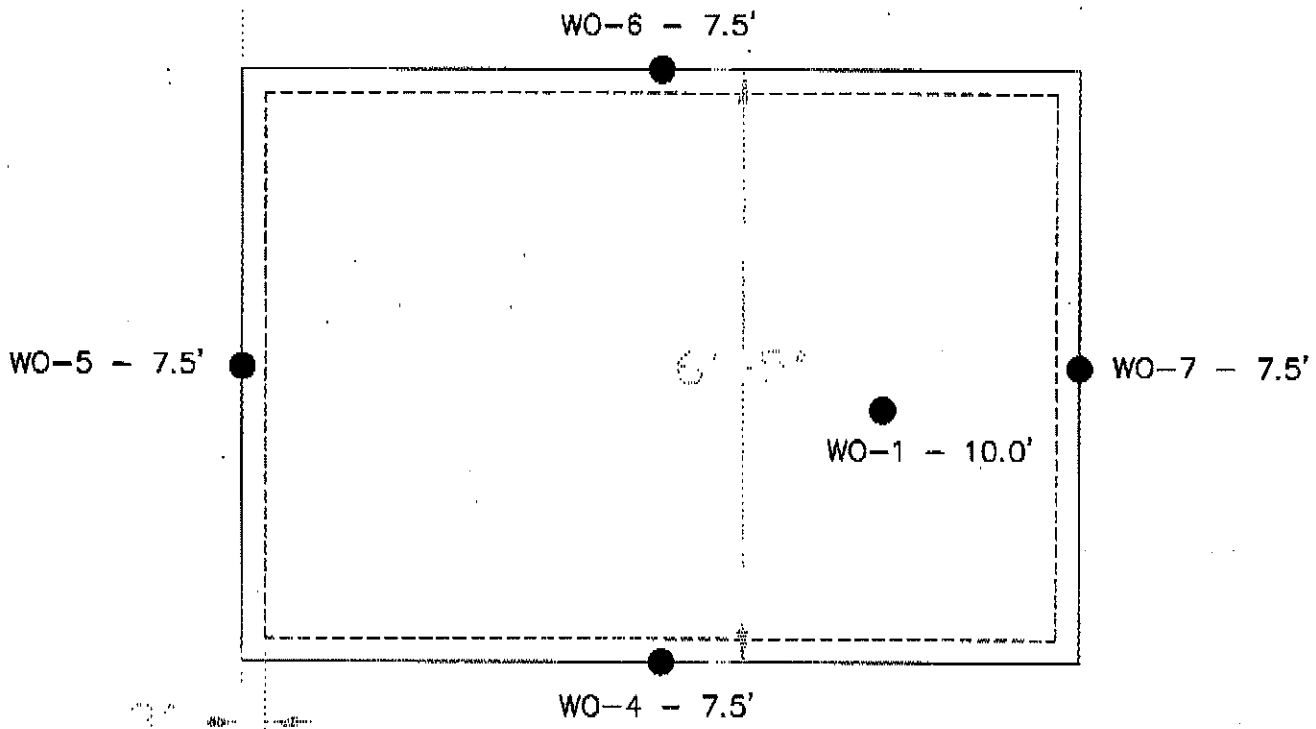
Tosco Station No. 3737
1400 Powell Street
Emeryville, California

FIGURE 1



SOURCE: Union Oil Co. Site Plan, 1979.

I:\projects\cod_drow\tosco\emeryville\3737site.dwg



WASTE OIL TANK SOIL SAMPLES
May 1999

Tosco Station No. 3737
1400 Powell Street
Emeryville, California

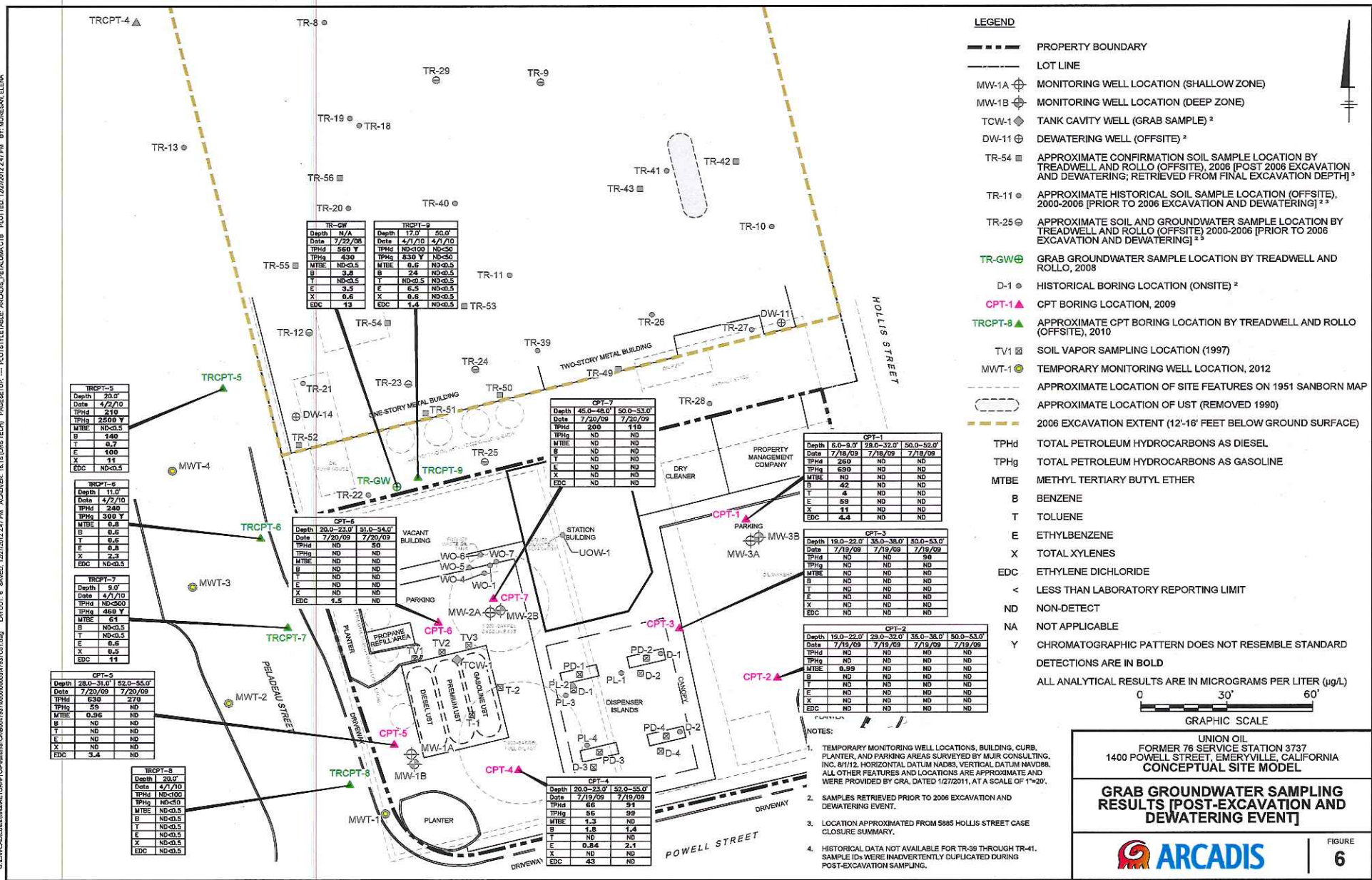
SCALE (FEET)



FIGURE 2

ATTACHMENT 3

CITY OF FALUNIA, CA, DIVISION OF ENVIRONMENTAL SERVICES, 1500 FALUNIA AVENUE, FALUNIA, CA 95021
 DATE: 12/20/2011 10:45 AM, DRAWN BY: J. MARSH, CHECKED BY: J. MARSH, PLOTTED: 12/20/2011 2:47 PM, BY: MURSEAN, ELEN

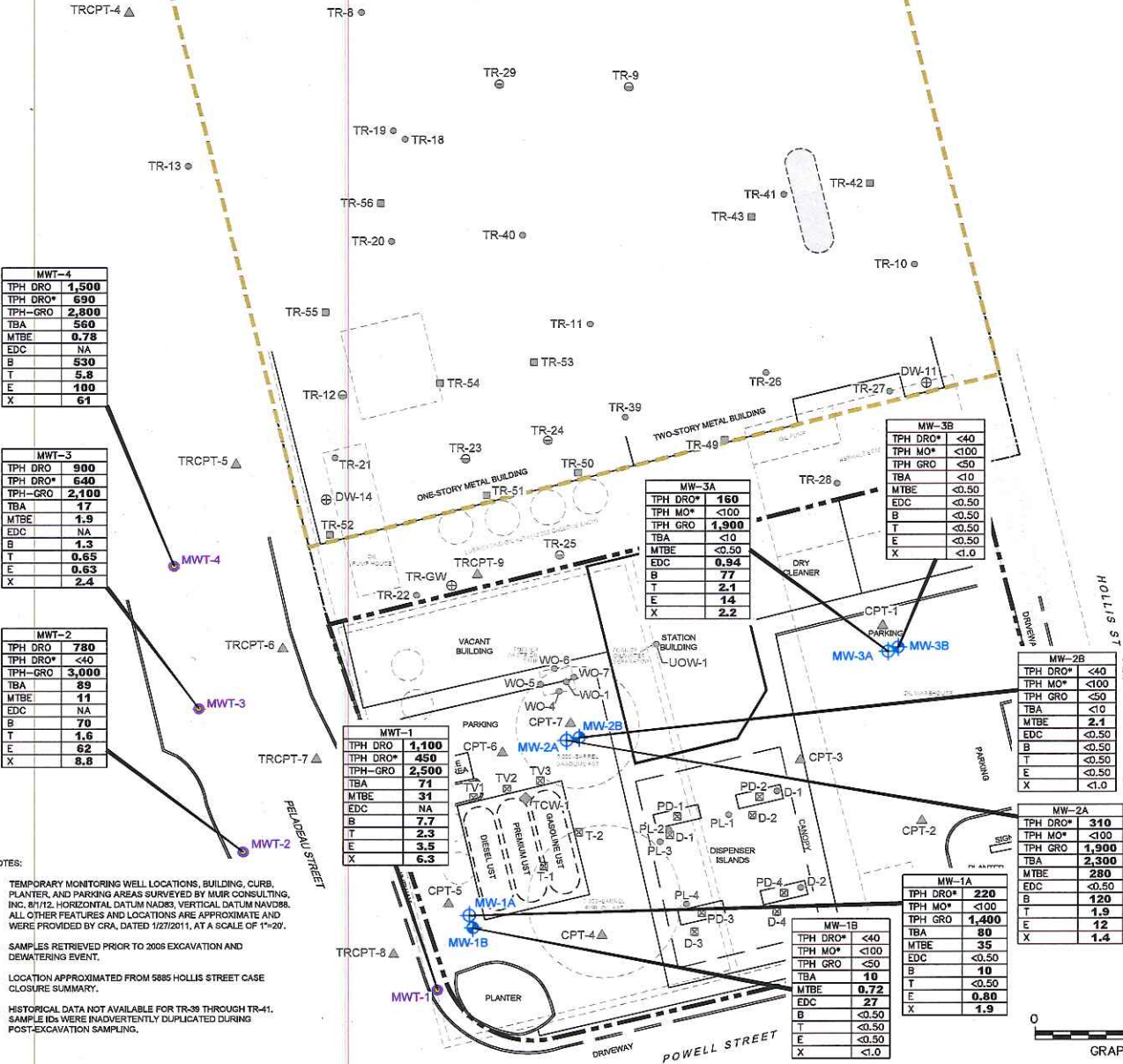


UNION OIL
 FORMER 76 SERVICE STATION 3737
 1400 POWELL STREET, EMERYVILLE, CALIFORNIA
CONCEPTUAL SITE MODEL

**GRAB GROUNDWATER SAMPLING
 RESULTS [POST-EXCAVATION AND
 DEWATERING EVENT]**

FIGURE
6

CITY: PETALUMA, CA DWGGROUP: ENV DB: J: IRRIS 12/27/2012 2:23 PM ADDUSER: 18 (LUSTECH) PAGESETUP: ... PLOTSTYLE: VTABLE_ARCADIS_PETALUMA.CTB PLOTTED: 12/27/2012 2:23 PM BY: AMREBAN, ELEVA
 3:59:52 AM DATEPLOT: 12/27/2012 2:23 PM LAYOUT: 7 SAVED: 12/27/2012 2:23 PM LAYOUT: 7 SAVED: 12/27/2012 2:23 PM



| MWT-4 | |
|----------|-------|
| TPH DRO* | 1,500 |
| TPH DRO* | 590 |
| TPH-GRO | 2,800 |
| TBA | 560 |
| MTBE | 0.78 |
| EDC | NA |
| B | 530 |
| T | 5.8 |
| E | 100 |
| X | 61 |

| MWT-3 | |
|----------|-------|
| TPH DRO | 900 |
| TPH DRO* | 640 |
| TPH-GRO | 2,100 |
| TBA | 17 |
| MTBE | 1.9 |
| EDC | NA |
| B | 1.3 |
| T | 0.65 |
| E | 0.63 |
| X | 2.4 |

| MWT-2 | |
|----------|-------|
| TPH DRO | 780 |
| TPH DRO* | <40 |
| TPH-GRO | 3,000 |
| TBA | 89 |
| MTBE | 11 |
| EDC | NA |
| B | 70 |
| T | 1.6 |
| E | 62 |
| X | 8.8 |

| MWT-1 | |
|----------|-------|
| TPH DRO | 1,100 |
| TPH DRO* | 450 |
| TPH-GRO | 2,500 |
| TBA | 71 |
| MTBE | 31 |
| EDC | NA |
| B | 7.7 |
| T | 2.3 |
| E | 3.5 |
| X | 6.3 |

| MW-3A | |
|----------|-------|
| TPH DRO* | 160 |
| TPH MO* | <100 |
| TPH GRO | 1,900 |
| TBA | <10 |
| MTBE | <0.50 |
| EDC | 0.94 |
| B | 77 |
| T | 2.1 |
| E | 14 |
| X | 2.2 |

| MW-3B | |
|----------|-------|
| TPH DRO* | <40 |
| TPH MO* | <100 |
| TPH GRO | <50 |
| TBA | <10 |
| MTBE | <0.50 |
| EDC | <0.50 |
| B | <0.50 |
| T | <0.50 |
| E | <0.50 |
| X | <1.0 |

| MW-2B | |
|----------|-------|
| TPH DRO* | <40 |
| TPH MO* | <100 |
| TPH GRO | <50 |
| TBA | <10 |
| MTBE | 2.4 |
| EDC | <0.50 |
| B | <0.50 |
| T | <0.50 |
| E | <0.50 |
| X | <1.0 |

| MW-2A | |
|----------|-------|
| TPH DRO* | 310 |
| TPH MO* | <100 |
| TPH GRO | 1,900 |
| TBA | 2,300 |
| MTBE | 280 |
| EDC | <0.50 |
| B | 120 |
| T | 1.9 |
| E | 12 |
| X | 1.4 |

| MW-1A | |
|----------|-------|
| TPH DRO* | 220 |
| TPH MO* | <100 |
| TPH GRO | 1,400 |
| TBA | 80 |
| MTBE | 35 |
| EDC | <0.50 |
| B | 10 |
| T | <0.50 |
| E | 0.80 |
| X | 1.9 |

| MW-1B | |
|----------|-------|
| TPH DRO* | <40 |
| TPH MO* | <100 |
| TPH GRO | <50 |
| TBA | 10 |
| MTBE | 0.72 |
| EDC | 27 |
| B | <0.50 |
| T | <0.50 |
| E | <0.50 |
| X | <1.0 |

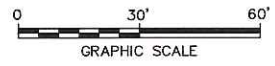
LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- MW-1A ⊕ MONITORING WELL LOCATION (SHALLOW ZONE)
- MW-1B ⊕ MONITORING WELL LOCATION (DEEP ZONE)
- TCW-1 ⊕ TANK CAVITY WELL (GRAB SAMPLE) ²
- DW-11 ⊕ DEWATERING WELL (OFFSITE) ²
- TR-54 ⊕ APPROXIMATE CONFIRMATION SOIL SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2006 [POST 2006 EXCAVATION AND DEWATERING; RETRIEVED FROM FINAL EXCAVATION DEPTH] ²
- TR-11 ⊕ APPROXIMATE HISTORICAL SOIL SAMPLE LOCATION (OFFSITE), 2000-2006 [PRIOR TO 2006 EXCAVATION AND DEWATERING] ² ³
- TR-25 ⊕ APPROXIMATE SOIL AND GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2000-2006 [PRIOR TO 2006 EXCAVATION AND DEWATERING] ² ³
- TR-GW ⊕ GRAB GROUNDWATER SAMPLE LOCATION BY TREADWELL AND ROLLO, 2006
- D-1 ⊕ HISTORICAL BORING LOCATION (ONSITE) ²
- CPT-1 ⊕ CPT BORING LOCATION, 2009
- TRCPT-8 ⊕ APPROXIMATE CPT BORING LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2010
- TV1 ⊕ SOIL VAPOR SAMPLING LOCATION (1997)
- MWT-1 ⊕ TEMPORARY MONITORING WELL LOCATION, 2012
- APPROXIMATE LOCATION OF SITE FEATURES ON 1951 SANBORN MAP
- APPROXIMATE LOCATION OF UST (REMOVED 1990)
- 2006 EXCAVATION EXTENT (12'-16' FEET BELOW GROUND SURFACE)
- TPH DRO TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
- TPH MO TOTAL PETROLEUM HYDROCARBONS - MOTOR OIL
- TPH GRO TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
- TBA TERTIARY BUTYL ALCOHOL
- MTBE METHYL TERTIARY BUTYL ETHER
- EDC ETHYLENE DICHLORIDE
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X TOTAL XYLENES
- * SAMPLES RUN WITH SILICA GEL CLEANUP
- < LESS THAN LABORATORY REPORTING LIMIT
- NA NOT ANALYZED
- DETECTIONS ARE IN BOLD
- ALL ANALYTICAL RESULTS ARE IN MICROGRAMS PER LITER (µg/L)

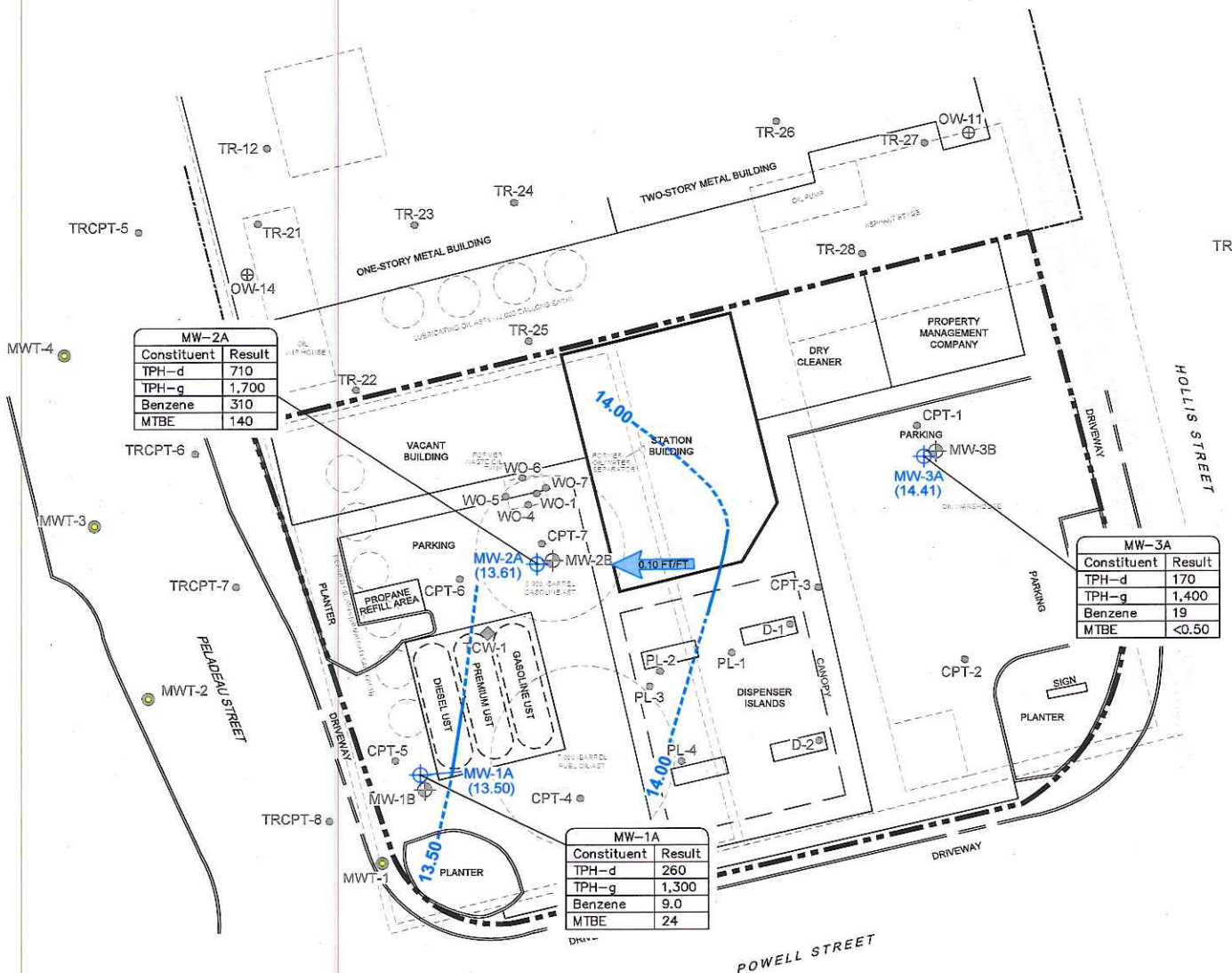
- NOTES:**
- TEMPORARY MONITORING WELL LOCATIONS, BUILDING, CURB, PLANTER, AND PARKING AREAS SURVEYED BY MURK CONSULTING, INC. 8/11/12. HORIZONTAL DATUM NAD83; VERTICAL DATUM NAVD83. ALL OTHER FEATURES AND LOCATIONS ARE APPROXIMATE AND WERE PROVIDED BY CRA, DATED 1/27/2011, AT A SCALE OF 1"=20'.
 - SAMPLES RETRIEVED PRIOR TO 2006 EXCAVATION AND DEWATERING EVENT.
 - LOCATION APPROXIMATED FROM 5885 HOLLIS STREET CASE CLOSURE SUMMARY.
 - HISTORICAL DATA NOT AVAILABLE FOR TR-39 THROUGH TR-41. SAMPLE IDs WERE INADVERTENTLY DUPLICATED DURING POST-EXCAVATION SAMPLING.

UNION OIL
 FORMER 76 SERVICE STATION 3737
 1400 POWELL STREET, EMERYVILLE, CALIFORNIA
GROUNDWATER ANALYTICAL RESULTS,
JULY 29, 2012

FIGURE
7A



CITY OF Petaluma, CA, DWG GROUP: ENV, DB, J, HARRIS
 0: \\BND\GIS\arcgis\workspace\cra\2011\101312\101312_00000002\101312_00000002.dwg LAYOUT: 7B, SAVED: 3/11/2013 8:42 AM, ADOBE PDF: 18.18 MB, TECH: PAPERSETUP... PLOTTABLE: ARCADIS_PETALUMA.CTB, PLOTTED: 3/11/2013 11:11 AM, BY: MURESAN, ELEM:
 XREFS: IMAGES: PROJECTNAME: 4/18/2012, 101312_00000002.dwg



| MW-2A | |
|-------------|--------|
| Constituent | Result |
| TPH-d | 710 |
| TPH-g | 1,700 |
| Benzene | 310 |
| MTBE | 140 |

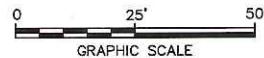
| MW-3A | |
|-------------|--------|
| Constituent | Result |
| TPH-d | 170 |
| TPH-g | 1,400 |
| Benzene | 19 |
| MTBE | <0.50 |

| MW-1A | |
|-------------|--------|
| Constituent | Result |
| TPH-d | 260 |
| TPH-g | 1,300 |
| Benzene | 9.0 |
| MTBE | 24 |

- LEGEND**
- PROPERTY BOUNDARY
 - - - LOT LINE
 - MW-1A ⊕ MONITORING WELL LOCATION (SHALLOW ZONE)
 - MW-1B ⊕ MONITORING WELL LOCATION (DEEP ZONE)
 - TCW-1 ⊕ TANK CAVITY WELL
 - OW-11 ⊕ DEWATERING WELL (OFFSITE)
 - TR-12/TRCPT-8 ⊕ APPROXIMATE BORING LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2000-2010
 - D-1 ⊕ HISTORICAL BORING LOCATION (ONSITE)
 - CPT-1 ⊕ CPT BORING LOCATION, 2009
 - MWT-1 ⊕ TEMPORARY MONITORING WELL LOCATION
 - - - APPROXIMATE LOCATION OF SITE FEATURES ON 1951 SANBORN MAP
 - - - GROUNDWATER ELEVATION CONTOUR (FT MSL; DASHED WHERE INFERRED)
 - (14.41) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL (MSL)
 - ← 0.10 FT/FT APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT MEASURED IN FOOT PER FOOT (FT/FT)

NOTE:

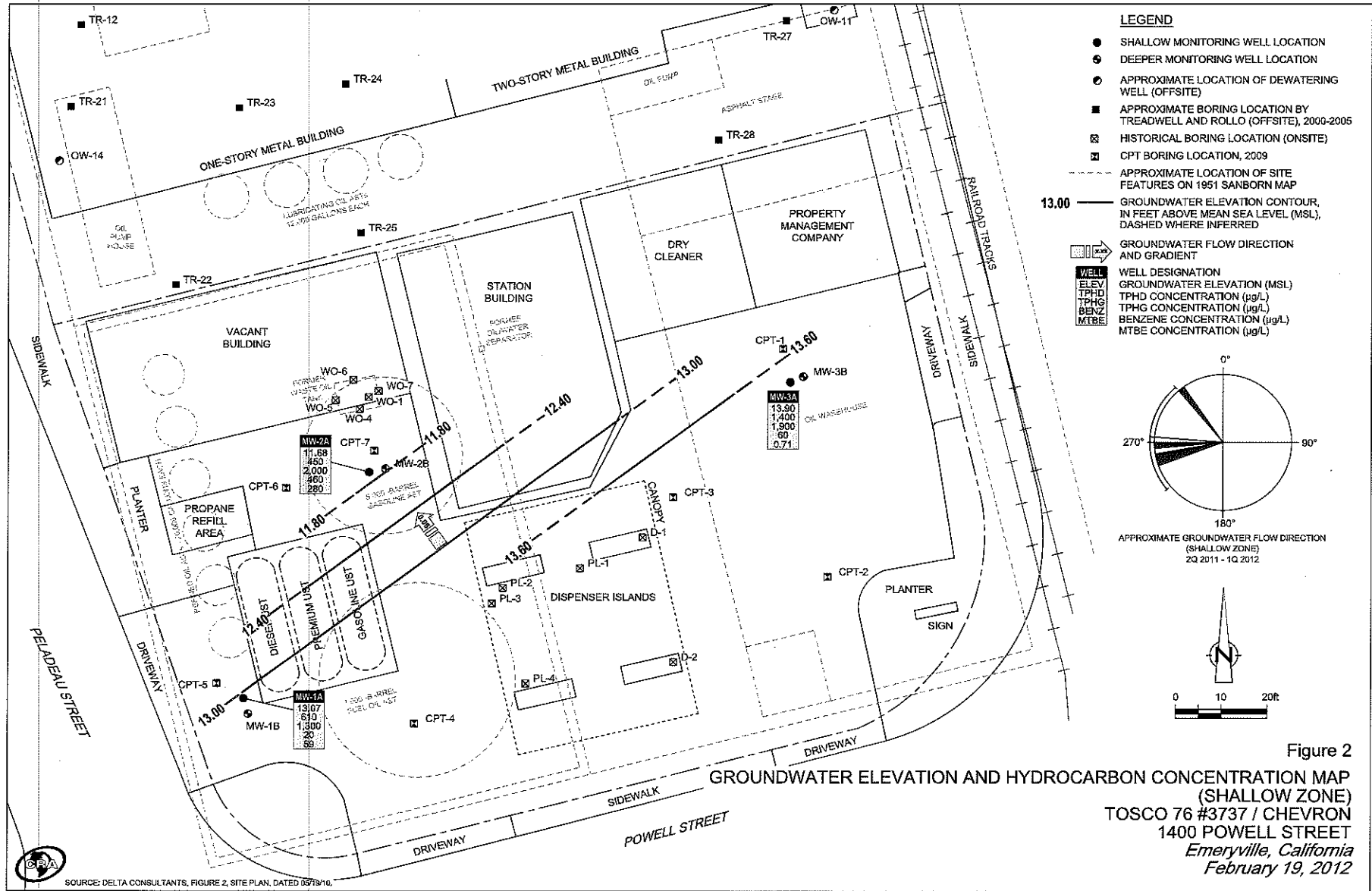
1. TEMPORARY MONITORING WELL LOCATIONS, BUILDING, CURB, PLANTER, AND PARKING AREAS SURVEYED PROVIDED BY MUIR CONSULTING, INC. 8/1/12, HORIZONTAL DATUM NAD83, VERTICAL DATUM NAVD83. ALL OTHER FEATURES AND LOCATIONS ARE APPROXIMATE AND WERE PROVIDED BY CRA, DATED 1/27/2011, AT A SCALE OF 1"=20'.



UNION OIL
 FORMER 76 SERVICE STATION 35-1780
 1400 POWELL STREET
 EMERYVILLE, CALIFORNIA

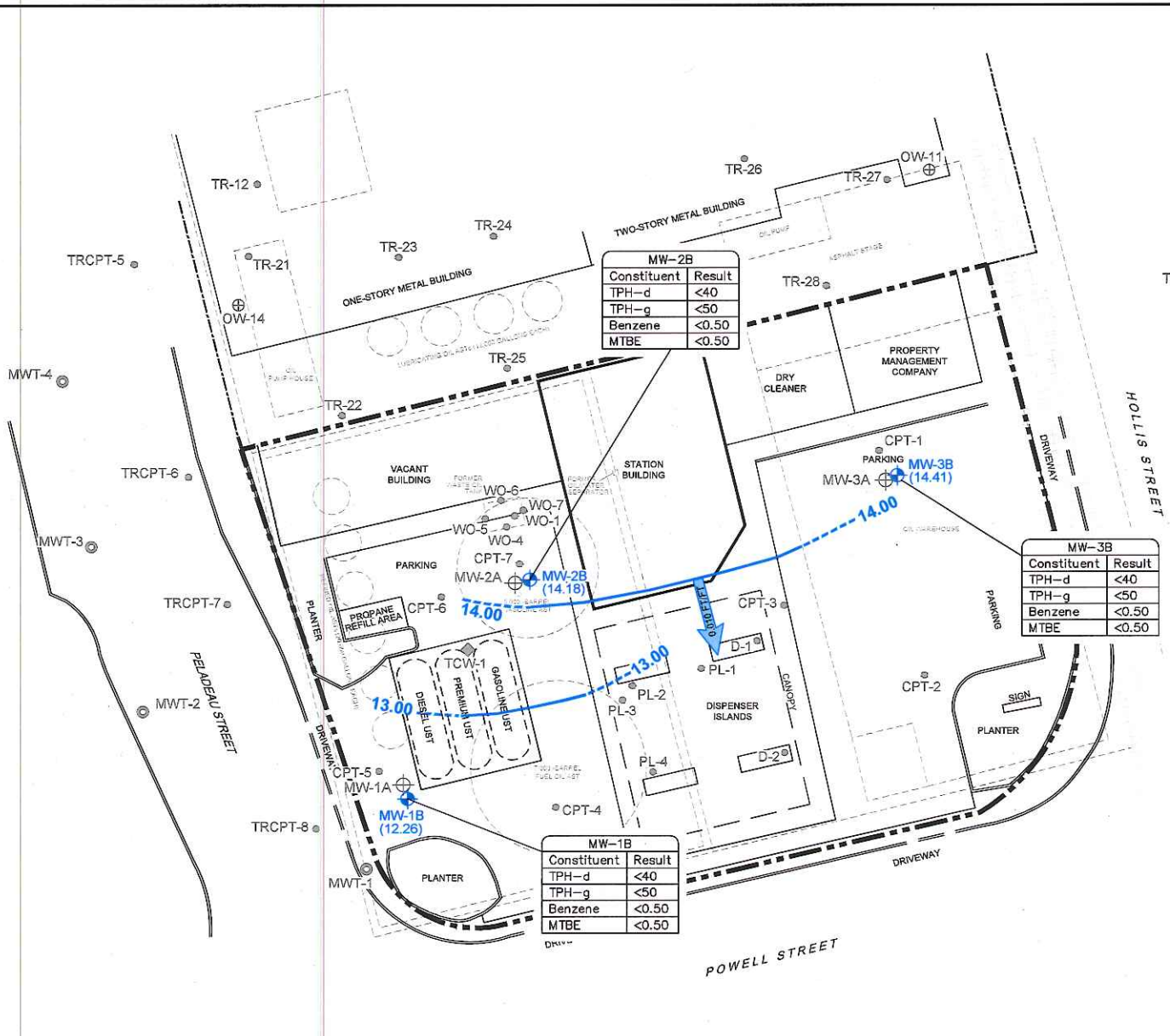
GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON CONCENTRATION MAP (SHALLOW ZONE) JANUARY 16, 2013

FIGURE
7B



SOURCE: DELTA CONSULTANTS, FIGURE 2, SITE PLAN, DATED 09/19/10.
 060716-95(007)GN-EM002 APR 11/2012

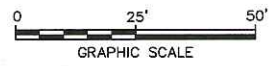
CITY: BETHLEHEM, CA DIVISION: ENVIRONMENTAL SERVICES
 PROJECT: 1400 POWELL STREET FORMER 76 SERVICE STATION
 DRAWING: GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON CONCENTRATION MAP (DEEP ZONE)
 DATE: 1/16/2013
 SCALE: 1"=20'



- LEGEND**
- PROPERTY BOUNDARY
 - LOT LINE
 - MW-1A ⊕ MONITORING WELL LOCATION (SHALLOW ZONE)
 - MW-1B ⊕ MONITORING WELL LOCATION (DEEP ZONE)
 - TCW-1 ⊕ TANK CAVITY WELL
 - OW-11 ⊕ DEWATERING WELL (OFFSITE)
 - TR-12/TRCPT-8 ⊕ APPROXIMATE BORING LOCATION BY TREADWELL AND ROLLO (OFFSITE), 2000-2010
 - D-1 ⊕ HISTORICAL BORING LOCATION (ONSITE)
 - CPT-1 ⊕ CPT BORING LOCATION, 2009
 - MWT-1 ⊕ TEMPORARY MONITORING WELL LOCATION
 - APPROXIMATE LOCATION OF SITE FEATURES ON 1951 SANBORN MAP
 - GROUNDWATER ELEVATION CONTOUR (FT MSL; DASHED WHERE INFERRED)
 - (14.41) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL (MSL)
 - 0.010 FT/FT APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT MEASURED IN FOOT PER FOOT (FT/FT)

NOTE:

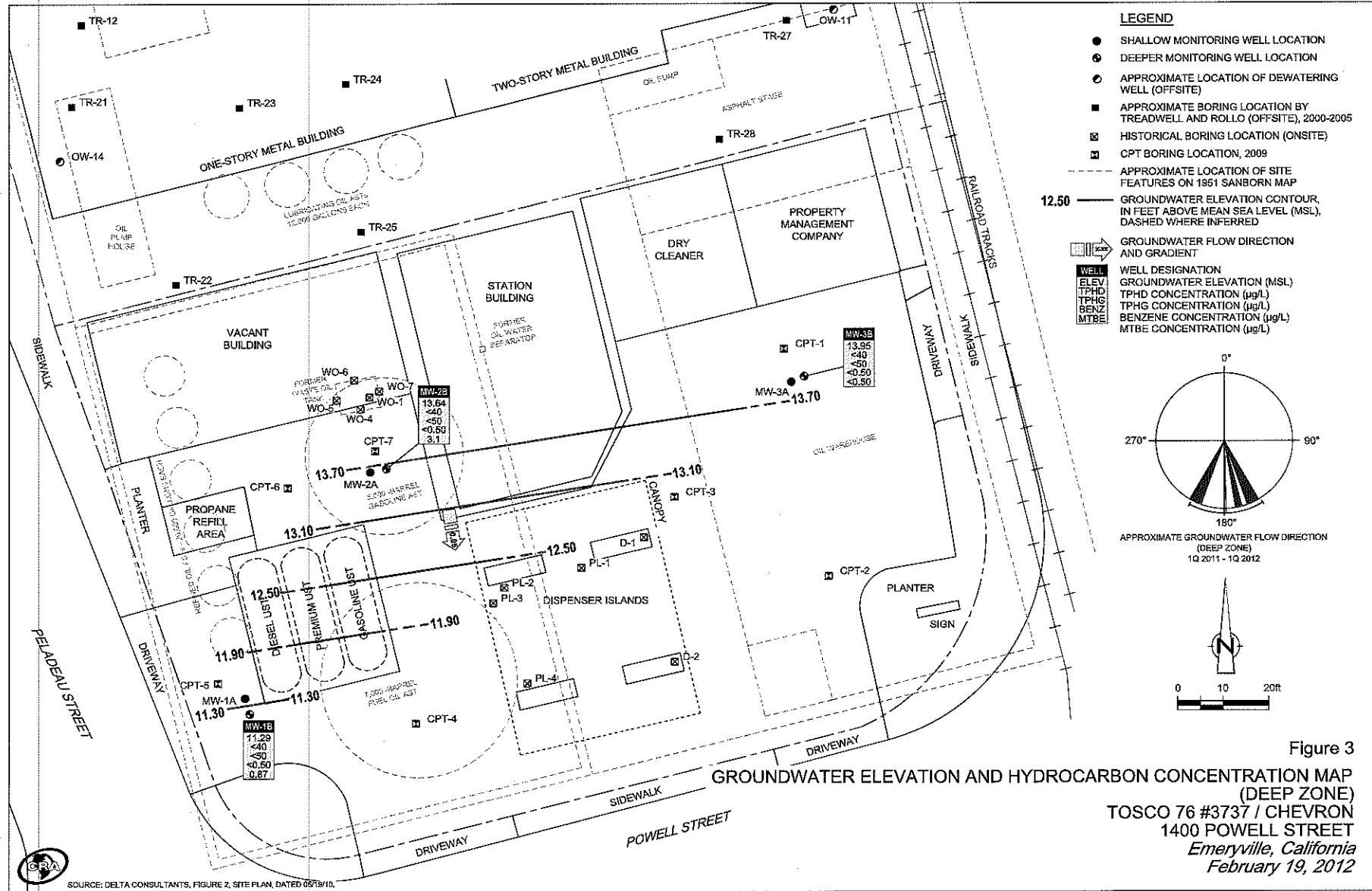
- TEMPORARY MONITORING WELL LOCATIONS, BUILDING, CURB, PLANTER, AND PARKING AREAS SURVEYED PROVIDED BY MJR CONSULTING, INC. 8/1/12. HORIZONTAL DATUM NAD83, VERTICAL DATUM NAVD88. ALL OTHER FEATURES AND LOCATIONS ARE APPROXIMATE AND WERE PROVIDED BY CRA, DATED 1/27/2011, AT A SCALE OF 1"=20'.



UNION OIL
 FORMER 76 SERVICE STATION 35-1780
 1400 POWELL STREET
 EMERYVILLE, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON CONCENTRATION MAP (DEEP ZONE) JANUARY 16, 2013

ARCADIS | FIGURE 7C



SOURCE: DELTA CONSULTANTS, FIGURE 2, SITE PLAN, DATED 05/19/10.

ATTACHMENT 4

**Table C-1
Oil/Water Separator Soil Sample Results**

Former 76 Service Station No. 3737
1400 Powell Street, Emeryville, California

| Sample ID | Sample Depth | Sample Date | TPH-G | Benzene | Toluene | Ethylbenzene | Xylenes | TPH-D | O&G | Total Lead |
|-----------|--------------|-------------|-------|---------|---------|--------------|---------|-------|-------|------------|
| | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| UOW-1 | 4 | 16-Jul-93 | <0.5 | <0.005 | <0.005 | <0.005 | <0.005 | <10 | 67 | 8 |

mg/kg milligrams per kilogram
 TPH-G Total petroleum hydrocarbons calculated as Gasoline
 TPH-D Total Petroleum hydrocarbons calculated as Diesel
 O&G Oil and Grease
 UOW Oil/Water Separator Sample

INORGANIC ANALYSIS DATA SHEET
ANAMETRIX, INC. (408) 432-8192

Anamatrix I.D.: 9307155-01
Client I.D.: UOW-1
Project I.D.: 412602
Reporting Unit: mg/Kg
Matrix: SOIL

Date Sampled: 07/16/93
Analyst: MK
Supervisor: MJ
Date Released: 07/20/93
Instrument I.D.: ICP1

| ANALYTE-METHOD | DATE PREPARED | DATE ANALYZED | REPORT LIMIT | DIL. FACTOR | RESULT | Q |
|----------------|---------------|---------------|--------------|-------------|--------|---|
| Cadmium-6010 | 07/19/93 | 07/20/93 | 0.25 | 1 | ND | |
| Chromium-6010 | 07/16/93 | 07/19/93 | 0.50 | 1 | 23.7 | |
| Nickel-6010 | 07/16/93 | 07/19/93 | 2.0 | 1 | 29.0 | |
| Lead-6010 | 07/19/93 | 07/20/93 | 2.0 | 1 | 8.0 | |
| Zinc-6010 | 07/16/93 | 07/19/93 | 1.0 | 1 | 33.2 | |

COMMENT:

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 412602
Sample ID : UOW-1
Matrix : SOIL
Date Sampled : 7/16/93
Date Analyzed : 7/20/93
Instrument ID : MSD2

Anamatrix ID : 9307155-01
Analyst : LF
Supervisor : RF
Dilution Factor : 1.0
Conc. Units : ug/Kg

| CAS No. | COMPOUND NAME | REPORTING LIMIT | AMOUNT DETECTED | Q |
|------------|---------------------------|-----------------|-----------------|---|
| 74-87-3 | Chloromethane | 10. | ND | U |
| 75-01-4 | Vinyl chloride | 10. | ND | U |
| 74-83-9 | Bromomethane | 10. | ND | U |
| 75-00-3 | Chloroethane | 10. | ND | U |
| 75-69-4 | Trichlorofluoromethane | 5. | ND | U |
| 75-35-4 | 1,1-Dichloroethene | 5. | ND | U |
| 76-13-1 | Trichlorotrifluoroethane | 5. | ND | U |
| 67-64-1 | Acetone | 20. | 77. | U |
| 75-15-0 | Carbon disulfide | 5. | ND | U |
| 75-09-2 | Methylene chloride | 5. | ND | U |
| 156-60-5 | Trans-1,2-dichloroethene | 5. | ND | U |
| 75-34-3 | 1,1-Dichloroethane | 5. | ND | U |
| 156-59-2 | Cis-1,2-dichloroethene | 5. | ND | U |
| 78-93-3 | 2-Butanone | 20. | ND | U |
| 67-66-3 | Chloroform | 5. | ND | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5. | ND | U |
| 56-23-5 | Carbon tetrachloride | 5. | ND | U |
| 108-05-4 | Vinyl acetate | 10. | ND | U |
| 71-43-2 | Benzene | 5. | ND | U |
| 107-06-2 | 1,2-Dichloroethane | 5. | ND | U |
| 79-01-6 | Trichloroethene | 5. | ND | U |
| 78-87-5 | 1,2-Dichloropropane | 5. | ND | U |
| 75-27-4 | Bromodichloromethane | 5. | ND | U |
| 10061-01-5 | Cis-1,3-dichloropropene | 5. | ND | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10. | ND | U |
| 108-88-3 | Toluene | 5. | ND | U |
| 10061-02-6 | Trans-1,3-dichloropropene | 5. | ND | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5. | ND | U |
| 127-18-4 | Tetrachloroethene | 5. | ND | U |
| 591-78-6 | 2-Hexanone | 10. | ND | U |
| 124-48-1 | Dibromochloromethane | 5. | ND | U |
| 108-90-7 | Chlorobenzene | 5. | ND | U |
| 100-41-4 | Ethylbenzene | 5. | ND | U |
| 1330-20-7 | Xylene (Total) | 5. | ND | U |
| 100-42-5 | Styrene | 5. | ND | U |
| 75-25-2 | Bromoform | 5. | ND | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5. | ND | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5. | ND | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5. | ND | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5. | ND | U |

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID :
Sample ID : VBLK2Z
Matrix : SOIL
Date Sampled : 0/ 0/ 0
Date Analyzed : 7/20/93
Instrument ID : MSD2

Anamatrix ID : BL2002A1
Analyst : PF
Supervisor : *U*
Dilution Factor : 1.0
Conc. Units : ug/Kg

| CAS No. | COMPOUND NAME | REPORTING LIMIT | AMOUNT DETECTED | Q |
|------------|---------------------------|-----------------|-----------------|---|
| 74-87-3 | Chloromethane | 10. | ND | U |
| 75-01-4 | Vinyl chloride | 10. | ND | U |
| 74-83-9 | Bromomethane | 10. | ND | U |
| 75-00-3 | Chloroethane | 10. | ND | U |
| 75-69-4 | Trichlorofluoromethane | 5. | ND | U |
| 75-35-4 | 1,1-Dichloroethene | 5. | ND | U |
| 76-13-1 | Trichlorotrifluoroethane | 5. | ND | U |
| 67-64-1 | Acetone | 20. | ND | U |
| 75-15-0 | Carbon disulfide | 5. | ND | U |
| 75-09-2 | Methylene chloride | 5. | ND | U |
| 156-60-5 | Trans-1,2-dichloroethene | 5. | ND | U |
| 75-34-3 | 1,1-Dichloroethane | 5. | ND | U |
| 156-59-2 | Cis-1,2-dichloroethane | 5. | ND | U |
| 78-93-3 | 2-Butanone | 20. | ND | U |
| 67-66-3 | Chloroform | 5. | ND | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5. | ND | U |
| 56-23-5 | Carbon tetrachloride | 5. | ND | U |
| 108-05-4 | Vinyl acetate | 10. | ND | U |
| 71-43-2 | Benzene | 5. | ND | U |
| 107-06-2 | 1,2-Dichloroethane | 5. | ND | U |
| 79-01-6 | Trichloroethene | 5. | ND | U |
| 78-87-5 | 1,2-Dichloropropane | 5. | ND | U |
| 75-27-4 | Bromodichloromethane | 5. | ND | U |
| 10061-01-5 | Cis-1,3-dichloropropene | 5. | ND | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10. | ND | U |
| 108-88-3 | Toluene | 5. | ND | U |
| 10061-02-6 | Trans-1,3-dichloropropene | 5. | ND | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5. | ND | U |
| 127-18-4 | Tetrachloroethene | 5. | ND | U |
| 591-78-6 | 2-Hexanone | 10. | ND | U |
| 124-48-1 | Dibromochloromethane | 5. | ND | U |
| 108-90-7 | Chlorobenzene | 5. | ND | U |
| 100-41-4 | Ethylbenzene | 5. | ND | U |
| 1330-20-7 | Xylene (Total) | 5. | ND | U |
| 100-42-5 | Styrene | 5. | ND | U |
| 75-25-2 | Bromoform | 5. | ND | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5. | ND | U |
| 541-73-1 | 1,3-Dichlorobenzene | 5. | ND | U |
| 106-46-7 | 1,4-Dichlorobenzene | 5. | ND | U |
| 95-50-1 | 1,2-Dichlorobenzene | 5. | ND | U |

TABLE C-3
Product Piping Removal Soil Sampling Analytical Results
Former Tosco 76 Service Station 3737

| Sample ID | Date | Depth (feet) | TPHg (ppm) | TPHd (ppm) | Benzene (ppm) | Toluene (ppm) | Ethyl-benzene (ppm) | Total Xylenes (ppm) | MtBE 8020 (ppm) | MtBE 8260 (ppm) |
|-----------|-----------------|--------------|------------|------------|---------------|---------------|---------------------|---------------------|-----------------|-----------------|
| PL-2 | <u>05/11/99</u> | 4.0 | 40 | 530 | 0.48 | 0.23 | 0.27 | 0.33 | 0.91 | — |
| D-1 | 05/07/99 | 1.5 | ND<1.0 | ND<1.0 | ND<0.0050 | 0.0062 | ND<0.0050 | ND<0.0050 | 0.011 | — |
| D-2 | 05/07/99 | 1.5 | 61 | 36 | 0.50 | 0.26 | 0.13 | 0.37 | 0.74 | — |
| PL-1 | 05/07/99 | 2.0 | 460 | 260 | 0.37 | 0.41 | 0.27 | 1.40 | ND<0.050 | — |
| PL-2 | 05/07/99 | 2.0 | 1,200 | 710 | 2.4 | 23 | 6.8 | 46 | ND<0.050 | — |
| PL-3 | 05/07/99 | 4.0 | 310 | 120 | ND<0.0050 | 1.6 | 1.1 | 4.1 | ND<0.050 | — |
| PL-4 | 05/07/99 | 2.0 | 39 | ND<1.0 | 2.1 | 1.6 | 1.6 | 4.1 | 1.1 | 0.27 |

NOTES

- ppm = parts per million
- TPHg = total petroleum hydrocarbons as gasoline
- TPHd = total petroleum hydrocarbons as diesel
- MtBE = methyl tert butyl ether
- ND = not detected at or above method detection limit
- = not analyzed

TABLE C-4
Waste Oil Tank Removal Soil Sampling Analytical Results
Former Tosco 76 Service Station 3737

| Sample ID | Date | Depth (feet) | TPHg (ppm) | TPHd (ppm) | Benzene (ppm) | Toluene (ppm) | Ethyl-benzene (ppm) | Total Xylenes (ppm) | MtBE 8020 (ppm) | TPH-MO (ppm) |
|-----------|----------|--------------|------------|------------|---------------|---------------|---------------------|---------------------|-----------------|--------------|
| WO-1 | 05/24/99 | 10.0 | 1.4 | 51 | ND<0.0050 | ND<0.0050 | 0.0072 | 0.039 | ND<0.050 | 121 |
| WO-4 | 05/24/99 | 7.5 | 220 | 1,100 | ND<0.0050 | 1.1 | 0.61 | 0.82 | ND<0.050 | 970 |
| WO-5 | 05/24/99 | 7.5 | 470 | 1,000 | ND<0.0050 | 0.91 | 0.81 | 1.8 | ND<0.050 | 840 |
| WO-6 | 05/24/99 | 7.5 | 370 | 1,100 | ND<0.0050 | 0.51 | 0.36 | 1.9 | ND<0.050 | 1100 |
| WO-7 | 05/24/99 | 7.5 | 86 | 130 | 0.30 | 0.40 | 1.3 | 6.0 | ND<0.050 | 220 |

NOTES:

- ppm = parts per million
- TPHg = total petroleum hydrocarbons as gasoline
- TPHd = total petroleum hydrocarbons as diesel
- MtBE = methyl tert butyl ether
- ND = not detected at or above method detection limit



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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Matrix: Soil
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 905-0626

Sampled: May 11, 1999
Received: May 11, 1999
Reported: May 27, 1999

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

| Analyte | Reporting Limit mg/Kg | Sample I.D. 905-0626 PL-2(4') | Sample I.D. 905-0627 Comp S-2 |
|------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Purgeable Hydrocarbons | 1.0 | 40 | 42 |
| Benzene | 0.0050 | 0.48 | N.D. |
| Toluene | 0.0050 | 0.23 | 0.050 |
| Ethyl Benzene | 0.0050 | 0.27 | 0.12 |
| Total Xylenes | 0.0050 | 0.33 | 0.19 |
| MTBE | 0.050 | 0.91 | N.D. |

Chromatogram Pattern:

Gasoline &
Unidentified
Hydrocarbons
>C10

Gasoline &
Unidentified
Hydrocarbons
>C10

Quality Control Data

| | | |
|---|---------|---------|
| Report Limit Multiplication Factor: | 10 | 10 |
| Date Analyzed: | 5/13/99 | 5/13/99 |
| Instrument Identification: | HP-5 | HP-5 |
| Surrogate Recovery, %: (QC Limits = 40-140%) | 109 | 73 |

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Matrix: Soil
Analysis Method: EPA 3550/8015 Mod.
First Sample #: 905-0626

Sampled: May 11, 1999
Received: May 11, 1999
Reported: May 27, 1999

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

| Analyte | Reporting Limit mg/kg | Sample I.D. 905-0626 PL-2(4') | Sample I.D. 905-0627 Comp S-1 |
|--------------------------|--------------------------|--------------------------------------|-------------------------------------|
| Extractable Hydrocarbons | 1.0 | 530 | 160 |
| Chromatogram Pattern: | | Unidentified Hydrocarbons C10-C24 | Unidentified Hydrocarbons > C10 |

Quality Control Data

| | | |
|-------------------------------------|---------|---------|
| Report Limit Multiplication Factor: | 1.0 | 1.0 |
| Date Extracted: | 5/12/99 | 5/12/99 |
| Date Analyzed: | 5/14/99 | 5/14/99 |
| Instrument Identification: | HP-3A | HP-3B |

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

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Aiton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, PL-2 (4')
Analysis Method: EPA 8260
Lab Number: 905-0626

Sampled: May 11, 1999
Received: May 11, 1999
Analyzed: Jun 3, 1999
Reported: Jun 8, 1999

QC Batch Number: SP0601998260S2A

Instrument ID: GC/MS-2

MTBE by EPA 8260

| Analyte | Detection Limit µg/Kg | Sample Results µg/Kg |
|----------------------------------|--------------------------|-------------------------|
| Methyl t-Butyl Ether (MTBE)..... | 100 | N.D. |
| Surrogates | Control Limit % | % Recovery |
| Dibromofluoromethane..... | 50 | 150 |
| | | 96 |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Please Note:

* 3-Methylpentane is present in the elution range of MTBE.





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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tam Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil
Analysis for: Total Lead
First Sample #: 905-0627

Sampled: May 11, 1999
Received: May 11, 1999
Digested: May 13, 1999
Analyzed: May 14, 1999
Reported: May 27, 1999

LABORATORY ANALYSIS FOR: Total Lead

| Sample Number | Sample Description | Detection Limit mg/kg | Sample Result mg/kg | QC Batch Number | Instrument ID |
|---------------|--------------------|-----------------------|---------------------|-----------------|---------------|
| 905-0627 | Comp S-2 | 2.5 | 7.8 | ME0513993050MDA | MV-1 |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, WO-1-10
Analysis Method: EPA 5030/8010
Lab Number: 905-1934

Sampled: May 24, 1999
Received: May 24, 1999
Analyzed: May 24, 1999
Reported: May 26, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

| Analyte | Detection Limit mg/kg | Sample Results mg/kg |
|--------------------------------|--------------------------|-------------------------|
| Bromodichloromethane..... | 0.025 | N.D. |
| Bromoform..... | 0.025 | N.D. |
| Bromomethane..... | 0.050 | N.D. |
| Carbon tetrachloride..... | 0.025 | N.D. |
| Chlorobenzene..... | 0.025 | N.D. |
| Chloroethane..... | 0.050 | N.D. |
| Chloroform..... | 0.025 | N.D. |
| Chloromethane..... | 0.050 | N.D. |
| Dibromochloromethane..... | 0.025 | N.D. |
| 1,2-Dichlorobenzene..... | 0.025 | N.D. |
| 1,3-Dichlorobenzene..... | 0.025 | N.D. |
| 1,4-Dichlorobenzene..... | 0.025 | N.D. |
| 1,1-Dichloroethane..... | 0.025 | N.D. |
| 1,2-Dichloroethane..... | 0.025 | N.D. |
| 1,1-Dichloroethene..... | 0.025 | N.D. |
| cis-1,2-Dichloroethene..... | 0.025 | N.D. |
| trans-1,2-Dichloroethene..... | 0.025 | N.D. |
| 1,2-Dichloropropane..... | 0.025 | N.D. |
| cis-1,3-Dichloropropene..... | 0.025 | N.D. |
| trans-1,3-Dichloropropene..... | 0.025 | N.D. |
| Methylene chloride..... | 0.25 | N.D. |
| 1,1,2,2-Tetrachloroethane..... | 0.025 | N.D. |
| Tetrachloroethene..... | 0.025 | N.D. |
| 1,1,1-Trichloroethane..... | 0.025 | N.D. |
| 1,1,2-Trichloroethane..... | 0.025 | N.D. |
| Trichloroethene..... | 0.025 | N.D. |
| Trichlorofluoromethane..... | 0.025 | N.D. |
| Vinyl chloride..... | 0.050 | N.D. |
| Surrogates | Control Limit % | % Recovery |
| Chloro-2-fluorobenzene..... | 50 | 150 |
| 4-Bromofluorobenzene..... | 50 | 150 |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

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Alton Geoscience
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Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, WO-4-7.5
Analysis Method: EPA 5030/8010
Lab Number: 905-1935

Sampled: May 24, 1999
Received: May 24, 1999
Analyzed: May 24, 1999
Reported: May 26, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

| Analyte | Detection Limit mg/kg | Sample Results mg/kg |
|--------------------------------|--------------------------|-------------------------|
| Bromodichloromethane..... | 0.025 | N.D. |
| Bromoform..... | 0.025 | N.D. |
| Bromomethane..... | 0.050 | N.D. |
| Carbon tetrachloride..... | 0.025 | N.D. |
| Chlorobenzene..... | 0.025 | N.D. |
| Chloroethane..... | 0.050 | N.D. |
| Chloroform..... | 0.025 | N.D. |
| Chloromethane..... | 0.050 | N.D. |
| Dibromochloromethane..... | 0.025 | N.D. |
| 1,2-Dichlorobenzene..... | 0.025 | N.D. |
| 1,3-Dichlorobenzene..... | 0.025 | N.D. |
| 1,4-Dichlorobenzene..... | 0.025 | N.D. |
| 1,1-Dichloroethane..... | 0.025 | N.D. |
| 1,2-Dichloroethane..... | 0.025 | N.D. |
| 1,1-Dichloroethene..... | 0.025 | N.D. |
| cis-1,2-Dichloroethene..... | 0.025 | N.D. |
| trans-1,2-Dichloroethene..... | 0.025 | N.D. |
| 1,2-Dichloropropane..... | 0.025 | N.D. |
| cis-1,3-Dichloropropene..... | 0.025 | N.D. |
| trans-1,3-Dichloropropene..... | 0.025 | N.D. |
| Methylene chloride..... | 0.25 | N.D. |
| 1,1,2,2-Tetrachloroethane..... | 0.025 | N.D. |
| Tetrachloroethene..... | 0.025 | N.D. |
| 1,1,1-Trichloroethane..... | 0.025 | N.D. |
| 1,1,2-Trichloroethane..... | 0.025 | N.D. |
| Trichloroethene..... | 0.025 | N.D. |
| Trichlorofluoromethane..... | 0.025 | N.D. |
| Vinyl chloride..... | 0.050 | N.D. |
| Surrogates | Control Limit % | % Recovery |
| Chloro-2-fluorobenzene..... | 50 | 150..... |
| 4-Bromofluorobenzene..... | 50 | 150..... |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL #1271

Julianne Fegley
Project Manager



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Alton Geoscience
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Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, WO-5-7.5
Analysis Method: EPA 5030/8010
Lab Number: 905-1936

Sampled: May 24, 1999
Received: May 24, 1999
Analyzed: May 24, 1999
Reported: May 26, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

| Analyte | Detection Limit mg/kg | Sample Results mg/kg |
|--------------------------------|--------------------------|-------------------------|
| Bromodichloromethane..... | 0.025 | N.D. |
| Bromoform..... | 0.025 | N.D. |
| Bromomethane..... | 0.050 | N.D. |
| Carbon tetrachloride..... | 0.025 | N.D. |
| Chlorobenzene..... | 0.025 | N.D. |
| Chloroethane..... | 0.050 | N.D. |
| Chloroform..... | 0.025 | N.D. |
| Chloromethane..... | 0.050 | N.D. |
| Dibromochloromethane..... | 0.025 | N.D. |
| 1,2-Dichlorobenzene..... | 0.025 | N.D. |
| 1,3-Dichlorobenzene..... | 0.025 | N.D. |
| 1,4-Dichlorobenzene..... | 0.025 | N.D. |
| 1,1-Dichloroethane..... | 0.025 | N.D. |
| 1,2-Dichloroethane..... | 0.025 | N.D. |
| 1,1-Dichloroethene..... | 0.025 | N.D. |
| cis-1,2-Dichloroethene..... | 0.025 | N.D. |
| trans-1,2-Dichloroethene..... | 0.025 | N.D. |
| 1,2-Dichloropropane..... | 0.025 | N.D. |
| cis-1,3-Dichloropropene..... | 0.025 | N.D. |
| trans-1,3-Dichloropropene..... | 0.025 | N.D. |
| Methylene chloride..... | 0.25 | N.D. |
| 1,1,2,2-Tetrachloroethane..... | 0.025 | N.D. |
| Tetrachloroethene..... | 0.025 | N.D. |
| 1,1,1-Trichloroethane..... | 0.025 | N.D. |
| 1,1,2-Trichloroethane..... | 0.025 | N.D. |
| Trichloroethene..... | 0.025 | N.D. |
| Trichlorofluoromethane..... | 0.025 | N.D. |
| Vinyl chloride..... | 0.050 | N.D. |
| Surrogates | Control Limit % | % Recovery |
| Chloro-2-fluorobenzene..... | 50 | 150 |
| 4-Bromofluorobenzene..... | 50 | 150 |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

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Alton Geoscience
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Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, WO-6-7.5
Analysis Method: EPA 5030/8010
Lab Number: 905-1937

Sampled: May 24, 1999
Received: May 24, 1999
Analyzed: May 24, 1999
Reported: May 26, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

| Analyte | Detection Limit mg/kg | Sample Results mg/kg |
|--------------------------------|--------------------------|-------------------------|
| Bromodichloromethane..... | 0.025 | N.D. |
| Bromoform..... | 0.025 | N.D. |
| Bromomethane..... | 0.050 | N.D. |
| Carbon tetrachloride..... | 0.025 | N.D. |
| Chlorobenzene..... | 0.025 | N.D. |
| Chloroethane..... | 0.050 | N.D. |
| Chloroform..... | 0.025 | N.D. |
| Chloromethane..... | 0.050 | N.D. |
| Dibromochloromethane..... | 0.025 | N.D. |
| 1,2-Dichlorobenzene..... | 0.025 | N.D. |
| 1,3-Dichlorobenzene..... | 0.025 | N.D. |
| 1,4-Dichlorobenzene..... | 0.025 | N.D. |
| 1,1-Dichloroethane..... | 0.025 | N.D. |
| 1,2-Dichloroethane..... | 0.025 | N.D. |
| 1,1-Dichloroethene..... | 0.025 | N.D. |
| cis-1,2-Dichloroethene..... | 0.025 | N.D. |
| trans-1,2-Dichloroethene..... | 0.025 | N.D. |
| 1,2-Dichloropropane..... | 0.025 | N.D. |
| cis-1,3-Dichloropropene..... | 0.025 | N.D. |
| trans-1,3-Dichloropropene..... | 0.025 | N.D. |
| Methylene chloride..... | 0.25 | N.D. |
| 1,1,2,2-Tetrachloroethane..... | 0.025 | N.D. |
| Tetrachloroethene..... | 0.025 | N.D. |
| 1,1,1-Trichloroethane..... | 0.025 | N.D. |
| 1,1,2-Trichloroethane..... | 0.025 | N.D. |
| Trichloroethene..... | 0.025 | N.D. |
| Trichlorofluoromethane..... | 0.025 | N.D. |
| Vinyl chloride..... | 0.050 | N.D. |
| Surrogates | Control Limit % | % Recovery |
| Chloro-2-fluorobenzene..... | 50 | 59 |
| 4-Bromofluorobenzene..... | 50 | 60 |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager





Sequoia Analytical

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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94560
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, WO-7-7.5
Analysis Method: EPA 5030/8010
Lab Number: 905-1938

Sampled: May 24, 1999
Received: May 24, 1999
Analyzed: May 24, 1999
Reported: May 26, 1999

HALOGENATED VOLATILE ORGANICS (EPA 8010)

| Analyte | Detection Limit mg/kg | Sample Results mg/kg |
|--------------------------------|--------------------------|-------------------------|
| Bromodichloromethane..... | 0.025 | N.D. |
| Bromoform..... | 0.025 | N.D. |
| Bromomethane..... | 0.050 | N.D. |
| Carbon tetrachloride..... | 0.025 | N.D. |
| Chlorobenzene..... | 0.025 | N.D. |
| Chloroethane..... | 0.050 | N.D. |
| Chloroform..... | 0.025 | N.D. |
| Chloromethane..... | 0.050 | N.D. |
| Dibromochloromethane..... | 0.025 | N.D. |
| 1,2-Dichlorobenzene..... | 0.025 | N.D. |
| 1,3-Dichlorobenzene..... | 0.025 | N.D. |
| 1,4-Dichlorobenzene..... | 0.025 | N.D. |
| 1,1-Dichloroethane..... | 0.025 | N.D. |
| 1,2-Dichloroethane..... | 0.025 | N.D. |
| 1,1-Dichloroethene..... | 0.025 | N.D. |
| cis-1,2-Dichloroethene..... | 0.025 | N.D. |
| trans-1,2-Dichloroethene..... | 0.025 | N.D. |
| 1,2-Dichloropropane..... | 0.025 | N.D. |
| cis-1,3-Dichloropropene..... | 0.025 | N.D. |
| trans-1,3-Dichloropropene..... | 0.025 | N.D. |
| Methylene chloride..... | 0.25 | N.D. |
| 1,1,1,2-Tetrachloroethane..... | 0.025 | N.D. |
| Tetrachloroethane..... | 0.025 | N.D. |
| 1,1,1-Trichloroethane..... | 0.025 | N.D. |
| 1,1,2-Trichloroethane..... | 0.025 | N.D. |
| Trichloroethene..... | 0.025 | N.D. |
| Trichlorofluoromethane..... | 0.025 | N.D. |
| Vinyl chloride..... | 0.050 | N.D. |
| Surrogates | Control Limit % | % Recovery |
| Chloro-2-fluorobenzene..... | 50 | 111 |
| 4-Bromofluorobenzene..... | 50 | 117 |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seeliger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, WO-1-10
Analysis Method: EPA 8270
Lab Number: 905-1934

Sampled: May 24, 1999
Received: May 24, 1999
Extracted: May 24, 1999
Analyzed: May 25, 1999
Reported: May 26, 1999

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

| Analyte | Detection Limit mg/kg | Sample Results mg/kg | |
|---------------------------------|--------------------------|-------------------------|----|
| Fluoranthene..... | 0.10 | N.D. | |
| Fluorene..... | 0.10 | N.D. | |
| Hexachlorobenzene..... | 0.10 | N.D. | |
| Hexachlorobutadiene..... | 0.10 | N.D. | |
| Hexachlorocyclopentadiene..... | 0.10 | N.D. | |
| Hexachloroethane..... | 0.10 | N.D. | |
| Indeno(1,2,3-cd)pyrene..... | 0.10 | N.D. | |
| Isophorone..... | 0.10 | N.D. | |
| 2-Methylnaphthalene..... | 0.10 | 0.21 | |
| 2-Methylphenol..... | 0.10 | N.D. | |
| 4-Methylphenol..... | 0.10 | N.D. | |
| Naphthalene..... | 0.10 | 0.11 | |
| 2-Nitroaniline..... | 0.50 | N.D. | |
| 3-Nitroaniline..... | 0.50 | N.D. | |
| 4-Nitroaniline..... | 0.50 | N.D. | |
| Nitrobenzene..... | 0.10 | N.D. | |
| 2-Nitrophenol..... | 0.10 | N.D. | |
| 4-Nitrophenol..... | 0.50 | N.D. | |
| N-Nitrosodimethylamine..... | 0.10 | N.D. | |
| N-Nitrosodiphenylamine..... | 0.10 | N.D. | |
| N-Nitroso-di-N-propylamine..... | 0.10 | N.D. | |
| Pentachlorophenol..... | 0.50 | N.D. | |
| Phenanthrene..... | 0.10 | N.D. | |
| Phenol..... | 0.10 | N.D. | |
| Pyrene..... | 0.10 | N.D. | |
| 1,2,4-Trichlorobenzene..... | 0.10 | N.D. | |
| 2,4,5-Trichlorophenol..... | 0.50 | N.D. | |
| 2,4,6-Trichlorophenol..... | 0.10 | N.D. | |
| Surrogates | Control Limit % | % Recovery | |
| 2-Fluorophenol..... | 25 | 121 | 45 |
| Phenol-d6..... | 24 | 113 | 49 |
| Nitrobenzene-d5..... | 23 | 120 | 49 |
| 2-Fluorobiphenyl..... | 30 | 115 | 59 |
| 2,4,6-Tribromophenol..... | 19 | 122 | 59 |
| 4-Terphenyl-d14..... | 18 | 137 | 66 |

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager





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Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: Tom Seellger

Client Project ID: Tosco #3737, Emeryville
Sample Descript: Soil, WO-1-10
Analysis Method: EPA 8270
Lab Number: 905-1934

Sampled: May 24, 1999
Received: May 24, 1999
Extracted: May 24, 1999
Analyzed: May 25, 1999
Reported: May 26, 1999

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

| Analyte | Detection Limit mg/kg | Sample Results mg/kg |
|----------------------------------|--------------------------|-------------------------|
| Acenaphthene..... | 0.10 | N.D. |
| Acenaphthylene..... | 0.10 | N.D. |
| Aniline..... | 0.10 | N.D. |
| Anthracene..... | 0.10 | N.D. |
| Benzdine..... | 2.5 | N.D. |
| Benzoic Acid..... | 0.50 | N.D. |
| Benzo(a)anthracene..... | 0.10 | N.D. |
| Benzo(b)fluoranthene..... | 0.10 | N.D. |
| Benzo(k)fluoranthene..... | 0.10 | N.D. |
| Benzo(g,h,i)perylene..... | 0.10 | N.D. |
| Benzo(a)pyrene..... | 0.10 | N.D. |
| Benzyl alcohol..... | 0.10 | N.D. |
| Bis(2-chloroethoxy)methane..... | 0.10 | N.D. |
| Bis(2-chloroethyl)ether..... | 0.10 | N.D. |
| Bis(2-chloroisopropyl)ether..... | 0.10 | N.D. |
| Bis(2-ethylhexyl)phthalate..... | 0.50 | N.D. |
| 4-Bromophenyl phenyl ether..... | 0.10 | N.D. |
| Butyl benzyl phthalate..... | 0.10 | N.D. |
| 4-Chloroaniline..... | 0.10 | N.D. |
| 2-Chloronaphthalene..... | 0.10 | N.D. |
| 4-Chloro-3-methylphenol..... | 0.10 | N.D. |
| 2-Chlorophenol..... | 0.10 | N.D. |
| 4-Chlorophenyl phenyl ether..... | 0.10 | N.D. |
| Chrysene..... | 0.10 | N.D. |
| Dibenz(a,h)anthracene..... | 0.10 | N.D. |
| Dibenzofuran..... | 0.10 | N.D. |
| Di-N-butyl phthalate..... | 0.50 | N.D. |
| 1,3-Dichlorobenzene..... | 0.10 | N.D. |
| 1,4-Dichlorobenzene..... | 0.10 | N.D. |
| 1,2-Dichlorobenzene..... | 0.10 | N.D. |
| 3,3-Dichlorobenzidine..... | 0.50 | N.D. |
| 2,4-Dichlorophenol..... | 0.10 | N.D. |
| Diethyl phthalate..... | 0.10 | N.D. |
| 2,4-Dimethylphenol..... | 0.10 | N.D. |
| Dimethyl phthalate..... | 0.10 | N.D. |
| 4,6-Dinitro-2-methylphenol..... | 0.50 | N.D. |
| 2,4-Dinitrophenol..... | 0.50 | N.D. |
| 2,4-Dinitrotoluene..... | 0.10 | N.D. |
| 2,6-Dinitrotoluene..... | 0.10 | N.D. |
| Di-N-octyl phthalate..... | 0.10 | N.D. |



TABLE C-5
 Summary of Soil Analytical Results
 ConocoPhillips Service Station No. 3737
 1400 Powell Street
 Emeryville, CA

| Contaminant | Sample Depth | | | | | | | | | Reporting Limit | Units |
|------------------------------------|--------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-------|
| | CPT-1@7' | CPT-1@12' | CPT-1@22' | CPT-1@30' | CPT-1@50' | CPT-2@20' | CPT-2@30' | CPT-2@37' | CPT-2@55' | | |
| Benzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| 1,2-Dibromoethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Ethylbenzene | 1.1 | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Methyl t-butyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Toluene | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Total Xylenes | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.01 | mg/kg |
| t-Amyl Methyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| t-Butyl alcohol | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.05 | mg/kg |
| Diisopropyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Ethanol | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1 | mg/kg |
| Ethyl t-butyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Gasoline Range Organics (C4 - C12) | 570 | ND | ND | ND | ND | ND | ND | ND | ND | 1 | mg/kg |
| Diesel Range Organics (C12 - C24) | 5.6 | 2.5 | ND | ND | 2 | ND | ND | ND | ND | 2 | mg/kg |

ND = below laboratory reporting limits

mg/kg = milligrams per kilogram

bold = above laboratory reporting limits

TABLE C-5
 Summary of Soil Analytical Results
 ConocoPhillips Service Station No. 3737
 1400 Powell Street
 Emeryville, CA

| Contaminant | Sample Depth | | | | | | | | | Reporting Limit | Units |
|------------------------------------|--------------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------------|-------|
| | CPT-3@20' | CPT-3@36' | CPT-3@50' | CPT-4@22' | CPT-4@39' | CPT-4@53' | CPT-5@10' | CPT-5@30' | CPT-5@38' | | |
| Benzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| 1,2-Dibromoethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Ethylbenzene | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Methyl t-butyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Toluene | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Total Xylenes | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.01 | mg/kg |
| t-Amyl Methyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| t-Butyl alcohol | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.05 | mg/kg |
| Diisopropyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Ethanol | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1 | mg/kg |
| Ethyl t-butyl ether | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Gasoline Range Organics (C4 - C12) | ND | ND | ND | ND | 4.7 | ND | 1.5 | ND | ND | 1 | mg/kg |
| Diesel Range Organics (C12 - C24) | 2.4 | ND | ND | ND | ND | ND | 4.3 | ND | ND | 2 | mg/kg |

ND = below laboratory reporting limits

mg/kg = milligrams per kilogram

bold = above laboratory reporting limits

TABLE C-5
 Summary of Soil Analytical Results
 ConocoPhillips Service Station No. 3737
 1400 Powell Street
 Emeryville, CA

| Contaminant | Sample Depths | | | | | | | | Reporting Limit | Units |
|------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------------|-------|
| | CPT-5@46' | CPT-5@54' | CPT-6@21' | CPT-6@38' | CPT-6@53' | CPT-7@39' | CPT-7@47' | CPT-7@52' | | |
| Benzene | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| 1,2-Dibromoethane | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Ethylbenzene | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Methyl t-butyl ether | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Toluene | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Total Xylenes | ND | ND | ND | ND | ND | ND | ND | ND | 0.01 | mg/kg |
| t-Amyl Methyl ether | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| t-Butyl alcohol | ND | ND | ND | ND | ND | ND | ND | ND | 0.05 | mg/kg |
| Diisopropyl ether | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Ethanol | ND | ND | ND | ND | ND | ND | ND | ND | 1 | mg/kg |
| Ethyl t-butyl ether | ND | ND | ND | ND | ND | ND | ND | ND | 0.005 | mg/kg |
| Gasoline Range Organics (C4 - C12) | ND | ND | ND | ND | ND | ND | ND | 1.1 | 1 | mg/kg |
| Diesel Range Organics (C12 - C24) | 2.2 | ND | ND | ND | ND | ND | ND | ND | 2 | mg/kg |

ND = below laboratory reporting limits

mg/kg = milligrams per kilogram

bold = above laboratory reporting limits

TABLE C-6
 Summary of Soil Analytical Data
 Chevron Branded Service Station No. 3737
 1400 Powell Street
 Emeryville California

| Sample ID | Date | Time | Depth | TPH-G (mg/kg) | TPH-D (mg/kg) | TPH-MO (mg/kg) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | MTBE (mg/kg) | TAME (mg/kg) | TBA (mg/kg) | DIPE (mg/kg) | Ethanol (mg/kg) | ETBE (mg/kg) | EDB (mg/kg) | 1,2-DCA (mg/kg) | n- Butylbenzene (mg/kg) | sec- Butylbenzene (mg/kg) | Isopropylbenzene (mg/kg) | p- Isopropyltoluene (mg/kg) | Napthalene (mg/kg) | n- Propylbenzene (mg/kg) | 1,2,4- Trimethylbenzene (mg/kg) | 1,3,5- Trimethylbenzene (mg/kg) | Total Lead (mg/kg) | |
|--------------------------------|-----------|-------|-------|------------------|------------------|-------------------|--------------------|--------------------|-------------------------|--------------------|-----------------|-----------------|----------------|-----------------|--------------------|-----------------|----------------|--------------------|-------------------------------|---------------------------------|-----------------------------|-----------------------------------|-----------------------|--------------------------------|---------------------------------------|---------------------------------------|-----------------------|----|
| MW-18d3 | 1/7/2011 | 4:30 | 3 | 29 | 4.3 AS2 | <10 | <0.050 | <0.050 | <0.050 | <0.10 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.27 | 0.093 | 0.10 | <0.050 | 0.065 | 0.28 | <0.050 | <0.050 | NA | |
| MW-18d5.5 | 1/15/2011 | 12:08 | 5.5 | 37 | 7.0 | 21 | <0.12 | <0.11 | <0.12 | <0.25 | <0.12 | <0.12 | <1.1 | <0.12 | <0.25 | <0.12 | <0.12 | 0.21 | <0.12 | <0.12 | <0.12 | <0.12 | <0.12 | 0.26 | <0.12 | <0.12 | NA | |
| MW-18d12 | 1/15/2011 | 12:18 | 12 | 0.36 | 4.1 | <10 | <0.050 | <0.050 | <0.050 | <0.010 | <0.050 | <0.050 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.0055 | <0.050 | <0.050 | NA | |
| MW-18d19 | 1/15/2011 | 12:34 | 19 | <0.20 | 2.7 | <10 | <0.050 | <0.050 | <0.050 | <0.010 | <0.050 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NA | |
| MW-28d3 | 1/8/2011 | 8:11 | 3 | 140 | 390 AS2 | <1000 AS7 | <0.25 | <0.25 | <0.25 | <0.50 | <0.25 | <0.25 | <2.5 | <0.25 | <0.25 | <0.25 | <0.25 | <0.25 | 0.25 | <0.25 | <0.25 | <0.25 | <0.25 | <0.25 | <0.25 | 0.52 | <0.25 | NA |
| MW-28d5 | 1/8/2011 | 8:30 | 5 | 460 | 520 AS2 | <1000 AS7 | 0.40 | <0.25 | 1.5 | 0.59 | <0.25 | <0.25 | <2.5 | <0.25 | <0.25 | <0.25 | <0.25 | <0.25 | 0.44 | 0.34 | 0.46 | 0.41 | <0.25 | 0.86 | 2.0 | 0.65 | NA | |
| MW-28d7.5 | 1/14/2011 | 11:34 | 7.5 | 2.3 | 8.8 | <10 | 0.0081 | <0.050 | <0.050 | <0.010 | 0.059 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.0054 | <0.050 | <0.050 | <0.050 | <0.050 | NA | |
| MW-28d12 | 1/14/2011 | 11:45 | 12 | <0.20 | 3.1 | <10 | <0.050 | <0.050 | <0.050 | <0.010 | 0.0090 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NA | |
| MW-28d19.5 | 1/14/2011 | 12:21 | 19.5 | <0.20 | 2.9 | <10 | <0.050 | <0.050 | <0.050 | <0.010 | <0.050 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NA | |
| MW-38d3 | 1/7/2011 | 1:25 | 3 | 1.5 | <2.0 | <10 | <0.25 | <0.25 | <0.25 | <0.50 | <0.25 | <0.25 | <2.5 | <0.25 | <0.25 | <0.25 | <0.25 | <0.25 | 0.44 | 0.34 | 0.46 | 0.41 | <0.25 | 0.86 | 2.0 | 0.65 | NA | |
| MW-38d6 | 1/15/2011 | 7:31 | 6 | 76 | 5.8 | 14 | <0.050 | <0.050 | <0.050 | <0.010 | <0.050 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NA | |
| MW-38d19 | 1/15/2011 | 7:54 | 13 | 0.48 | 2.9 | <10 | <0.050 | <0.050 | <0.050 | <0.010 | <0.050 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | NA | |
| MW-38d18 | 1/15/2011 | 8:41 | 18 | <0.20 | <2.0 | <10 | <0.050 | <0.050 | <0.050 | <0.010 | <0.050 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 4.9 | |
| COMP ABCD | 1/15/2011 | 2:30 | NA | 0.75 | 10 | 14 | <0.050 | <0.050 | <0.050 | <0.010 | <0.050 | <0.050 | <0.050 | <1.0 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 200 | |
| Residential ESL (shallow soil) | -- | -- | <3m | 89 | 83 | 370 | 0.044 | 2.9 | 2.3 | 2.3 | 0.023 | 0.075 | NA | NA | NA | NA | 0.00033 | 0.0045 | NA | NA | NA | NA | 1.3 | NA | NA | NA | 200 | |

Notes:

mg/kg milligrams per kilogram
 TPH-D Total Petroleum Hydrocarbons as Diesel
 TPH-MO Total Petroleum Hydrocarbons as Motor Oil
 TPH-G Total Petroleum Hydrocarbons as Gasoline
 MTBE methyl tertiary butyl ether
 TBA tertiary butyl alcohol
 ETBE ethyl tertiary butyl ether
 DIPE di-isopropyl ether
 TAME tertiary amyl ethyl ether
 EDB ethylene dibromide
 1,2-DCA 1,2-dichloroethane
 ESL Regional Water Quality Control Board - San Francisco Region Environmental Screening Level
 AS2 Data Qualifier: Chromatogram not typical of diesel.
 AS7 Data Qualifier: Chromatogram not typical of motor oil.

ESL based on residential land use, shallow soil, and groundwater as a potential drinking resource.

TPH-D and TPH-MO analysis by Environmental Protection Agency (EPA) Test Method 8015 with Silica Gel Cleanup

All other analyses by EPA Method 8260B.

Samples were analyzed for a full VOC Scan by EPA Method 8260B with oxygenates and lead scavengers. All Oxygenates and lead scavenger data are summarized, only VOCs with detections are presented in table.

Depth measured in feet below ground surface

Bold concentrations indicate detections over laboratory reporting limit

Data qualifiers regarding sample dilution, surrogate recovery, or quality control are not presented in table. Please refer to laboratory reports for full explanation of qualifiers.

**Table C-7
July 2012 Soil Analytical Results**

Former 76 Service Station No. 3737
1400 Powell Street, Emeryville, California

| Sample Name | Sample Date | Sample Depth (feet bgs) | USEPA 8015B | | LUFT-GC/MS | | | | USEPA 8260 | | | | |
|--------------------------------------|-------------|-------------------------|-----------------|-----------------|-----------------|-----------------|----------------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| | | | TPH-DRO (mg/kg) | TPH-GRO (mg/kg) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | MTBE (mg/kg) | TBA (mg/kg) | ETBE (mg/kg) | TAME (mg/kg) | DIPE (mg/kg) |
| MWT-1 | 07/25/12 | 5.0 | 51 | 32 | <0.12 | <0.12 | <0.12 | <0.25 | <0.12 | <1.2 | <0.12 | <0.12 | <0.12 |
| MWT-2 | 07/26/12 | 5.0 | 70 | 340 | 1.2 | <0.12 | 3.1 | 4.3 | <0.12 | 1.2 | <0.12 | <0.12 | <0.12 |
| MWT-3 | 07/26/12 | 5.0 | 210 | 930 | <0.25 | <0.25 | <0.25 | <0.50 | <0.25 | <2.5 | <0.25 | <0.25 | <0.25 |
| MWT-4 | 07/25/12 | 6.0 | 160 | 1,000 | 1.3 | <0.12 | 13 | 4.6 | <0.12 | <1.2 | <0.12 | <0.12 | <0.12 |
| ESLs for Commercial/Industrial Soils | | | 83 | 83 | 0.044 | 2.9 | 3.3 | 2.3 | 0.023 | 0.075 | -- | - | - |

Notes:

bgs = below ground surface

Bold = detection exceeds ESL

DIPE = diisopropyl ether

ESL = Table A. Environmental Screening Levels, Shallow Soils (≤ 3 meters below ground surface), Commercial/Industrial

Land Use Only, Groundwater is a Current or Potential Source of Drinking Water, CRWQCB-SFBR, Table A, November 2007

ETBE = ethyl t-butyl ether

LUFT-GC/MS = Leaking Underground Fuel Tank - Gas Chromatograph/Mass Spectrometer

mg/kg = milligrams per kilogram

MTBE = methyl tertiary butyl ether

TAME = t-amyl methyl ether

TBA = t-butyl alcohol

TPH-DRO = total petroleum hydrocarbons as diesel range organics

TPH-GRO = total petroleum hydrocarbons as gasoline range organics

USEPA = United States Environmental Protection Agency

<0.12 = not detected at concentration threshold as shown

-- = unavailable

Table C-8
Organics in Soil at 5850 Hollis Street Property

Former 76 Service Station No. 3737
1400 Powell Street, Emeryville, California

| Sample ID | Sample Date | Sample Depth | TPHs mg/kg | TPHnc mg/kg | TPHg mg/kg | TPHd mg/kg | VOCs by 3016 mg/kg | Benzene mg/kg | Acetone mg/kg | 2-Butanone mg/kg | Isopropyl benzene mg/kg | propyl benzene mg/kg | Ethyl benzene mg/kg | Total Xylenes mg/kg | 1,3,5-Trimethyl benzene mg/kg | 1,2,4-Trimethyl benzene mg/kg | sec-Butyl benzene mg/kg | para-Isopropyl toluene mg/kg | n-Butyl benzene mg/kg | Naphthalene mg/kg | Methylene Chloride by 8210 mg/kg | Other VOCs by 8210 mg/kg | Benzene by EPA 8210 mg/kg | Other SVOCs by 8210 mg/kg | Arochlor-1248 mg/kg | Other PCBs mg/kg |
|-----------|-------------|--------------|------------|-------------|------------|------------|--------------------|---------------|---------------|------------------|-------------------------|----------------------|---------------------|---------------------|-------------------------------|-------------------------------|-------------------------|------------------------------|-----------------------|-------------------|----------------------------------|--------------------------|---------------------------|---------------------------|---------------------|------------------|
| TR-1 | 4/8/2000 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-2 | 4/8/2000 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-5 | 4/8/2000 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-8 | 4/5/2000 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-7 | 4/5/2000 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-8 | 4/5/2000 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-9 | 4/5/2000 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-10 | 4/6/2000 | 15 | ND | 180 | ND | 330 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-11 | 4/6/2000 | 15 | ND | ND | 19 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-12 | 4/6/2000 | 15 | ND | ND | 19 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-13 | 4/6/2000 | 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 8 | ND | 39 | ND | 52 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.55 | ND | ND | ND | ND |
| | | 10 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-14 | 4/6/2000 | 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 10 | 2.3 | ND | 1.2 | ND | ND | 0.008 | 0.01 | 0.02 | 0.05 | 0.05 | 0.05 | ND | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | ND | ND | 0.57 | ND | ND | ND |
| | | 15 | 2.4 | ND | 1.4 | ND | ND | 0.008 | 0.01 | 0.02 | 0.05 | 0.05 | 0.05 | ND | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | ND | ND | 0.54 | ND | ND | ND |
| TR-15 | 4/6/2000 | 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 10 | 1.3 | ND | 1 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-16 | 4/6/2000 | 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | 10 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-22 | 1/20/2005 | 2 | 5.5 H Y | 32 | 12 H L | 1.7 Y | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-25 | 1/20/2005 | 2 | 11 H Y | 62 | 19 H L | 3.1 Y | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.011 |
| TR-28 | 1/20/2005 | 2 | 4.3 H Y | 54 | 18 H L | 2.1 Y | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.0056 |
| | | 6 | 140 H Y | 280 | 160 Y | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-33 | 8/11/2005 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-34 | 8/11/2005 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-35 | 8/11/2005 | 15 | 2.4 H Y | 17 | 1.7 Z | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-36 | 8/11/2005 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-37 | 8/11/2005 | 15 | 5.1 H Y | 46 | 10 H L | 2.1 Y | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-38 | 8/11/2005 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-39 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-40 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.18 a |
| TR-41 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.22 a |
| TR-42 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.17 a |
| TR-43 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-44 | 5/10/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.094 a |
| TR-45 | 5/10/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-46 | 5/12/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-46A | 5/10/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-47 | 5/12/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-48 | 5/12/2006 | 15 | 7.9 H Y | 33 L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-49 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-50 | 5/4/2006 | 15 | 2 H Y | 6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-51 | 5/4/2006 | 15 | 0.69 | ND | 0.7 | ND | ND | 0.0082 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-52 | 5/4/2006 | 15 | 1.9 H Y | ND | 0.10 H Y | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-53 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-54 | 5/4/2006 | 15 | 2 H Y | 5.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-55 | 5/4/2006 | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TR-56 | 5/4/2006 | 15 | 1.4 H Y | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

mg/kg = milligram per kilogram
-- = not analyzed

ND = Not detected at or greater than laboratory detection limit which varies, see laboratory report
 ND = Not established
 C = Presence confirmed, but RPD (Relative Percent Difference) between columns exceeds 40%
 Y = Laboratory flag indicating sample exhibits chromatographic pattern which does not resemble standard
 H = Laboratory flag indicating heavier hydrocarbons contributed to quantitation
 a = Detected concentration of methylene chloride due to laboratory contamination
 L = Laboratory flag indicating lighter hydrocarbons contributed to quantitation

TPHD = Total Petroleum Hydrocarbons quantified as diesel fuel
 TPHg = Total Petroleum Hydrocarbons quantified as gasoline
 TPHmo = Total Petroleum Hydrocarbons quantified as motor oil
 PCBs = Polychlorinated Biphenyls
 SFBRWQCB = San Francisco Bay Regional Water Quality Control Board
 Table B-2: Shallow soils (less than 10 feet bgs) where groundwater is NOT a current or potential source of drinking water

Table C-9
Soil Analytical Results from April 2010 Investigation

Former 76 Service Station No. 3737
1400 Powell Street, Emeryville, California

| Sample Location | Sample Date | Sample Depth feet bgs | TPHd mg/kg | TPHmo mg/kg | TPHg mg/kg | Benzene mg/kg | Ethylbenzene mg/kg | Total Xylenes mg/kg | Isopropyl Benzene mg/kg | Propylbenzene mg/kg | 1,2,4-Trimethylbenzene mg/kg | 1,2,4-Trimethylbenzene mg/kg | sec-Butylbenzene mg/kg | iso-propyl toluene mg/kg | n-butylbenzene mg/kg | Naphthalene (260) mg/kg | Acetone mg/kg | 2-Butanone mg/kg | 1,2-Dichloroethane mg/kg | Other VOCs mg/kg | Benzo (a) pyrene mg/kg | Naphthalene mg/kg | Phenanthrene mg/kg | Other SVOCs | |
|-----------------|-------------|-----------------------|------------|-------------|------------|---------------|--------------------|---------------------|-------------------------|---------------------|------------------------------|------------------------------|------------------------|--------------------------|----------------------|-------------------------|---------------|------------------|--------------------------|------------------|------------------------|-------------------|--------------------|-------------|----|
| HA-1 | 4/5/2010 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.066 | <0.067 | <0.068 | ND | |
| HA-2 | 4/5/2010 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.066 | <0.068 | <0.068 | ND | |
| HA-3 | 4/5/2010 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.066 | <0.066 | <0.066 | ND | |
| HA-4 | 4/5/2010 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.066 | <0.066 | <0.066 | ND | |
| TRCPT-1 | 4/5/2010 | 5 | -- | -- | -- | <0.0043 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | ND |
| | | 9.5 | -- | -- | -- | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | ND |
| | | 18 | -- | -- | -- | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | ND |
| TRCPT-2 | 4/5/2010 | 5 | -- | -- | -- | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | ND |
| | | 9.5 | -- | -- | -- | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | ND |
| | | 18 | -- | -- | -- | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | ND |
| TRCPT-3 | 4/2/2010 | 5 | -- | -- | -- | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | ND |
| | | 9.5 | -- | -- | -- | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | ND |
| | | 18 | -- | -- | -- | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | <0.0047 | ND |
| TRCPT-4 | 4/2/2010 | 5 | -- | -- | -- | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | ND |
| | | 10 | -- | -- | -- | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | ND |
| | | 18 | -- | -- | -- | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | <0.0049 | ND |
| TRCPT-5 | 4/2/2010 | 5 | 67 | 6.3 | 680Y | <0.5 | 4 | <0.5 | 1.3 | 4.8 | 1.1 | <0.5 | 1 | <0.5 | 4.6 | 4.9 | <0.5 | <1 | <1 | <0.5 | <1 | <1 | <1 | <1 | ND |
| | | 16 | <0.99 | <5.0 | <1.0 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | ND |
| TRCPT-6 | 4/2/2010 | 7 | <1.0 | <5.0 | <0.99 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | ND |
| | | 19 | <0.99 | <5.0 | <1.0 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | ND |
| TRCPT-7 | 4/1/2010 | 6 | 220 | 80 | 690Y | <0.25 | <0.25 | <0.25 | 0.39 | 0.89 | 0.34 | <0.25 | 0.52 | <0.25 | 1.2 | <0.25 | 0.54 | <0.25 | <1 | <1 | <0.25 | <1 | <1 | <1 | ND |
| | | 16 | <0.99 | <5.0 | <0.99 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | <0.049 | ND |
| TRCPT-8 | 4/1/2010 | 10 | <1.0 | <5.0 | <0.99 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | ND |
| | | 19 | <1.0 | <5.0 | <0.99 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | ND |
| TRCPT-9 | 3/31/2010 | 10 | 2.5 | <5.0 | 5.5 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | 0.29 | 0.62 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | <0.046 | ND |
| | | 22 | <1.0 | <5.0 | <0.99 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | <0.047 | ND |

Notes:

Results presented in units indicated at top of table.
 mg/kg = milligrams per kilogram (parts per million)
 TPHd = Total Petroleum Hydrocarbons quantified as diesel fuel
 TPHmo = Total Petroleum Hydrocarbons quantified as motor oil
 TPHg = Total Petroleum Hydrocarbons quantified as gasoline
 VOCs = Volatile Organic Compounds (see laboratory data sheets for complete list of VOCs analyzed)
 SVOCs = Semivolatile Organic Compounds (see laboratory data sheets for complete list of SVOCs analyzed)
 -- indicates not detected at the indicated laboratory detection limit
 ND = Not detected at or greater than the laboratory detection limit which varies, see laboratory report
 Y = Laboratory flag indicating sample exhibits chromatographic pattern which does not resemble standard
 -- = not analyzed
 TPHg and VOCs analyzed by EPA Method 8260
 TPHmo and TPHd analyzed by EPA Method 8015
 SVOCs analyzed by EPA Method 8270

NE= Not established

Table C-2
Historical Soil Gas Sample Results
 Former 76 Service Station No. 3737
 1400 Powell Street, Emeryville, California

| Sample ID | Sample Date | Sample Depth (ft bgs) | TPH-Gas µg/L | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | GC MTBE µg/L | GC/MS MTBE µg/L | PID Reading (ppm) | Comments |
|-----------|-------------|-----------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|-----------------------|-------------------|--|
| T-1 | 9/10/1997 | 3 | 18000 | 110 | 160 | 83 | 230 | <2.5 | | --- | Water at 3 ft bgs, strong odor on sampling probe |
| T-2 | 9/10/1997 | 3 | 40000 | 1100 | 410 | 83 | 130 | <2.5 | | --- | Water at 3 ft bgs, strong odor on sampling probe |
| D-1 | 9/10/1997 | 3 | 1800 | 8 | 16 | 11 | 32 | 49 | | --- | |
| D-2 | 9/10/1997 | 3 | 3100 | 17 | 26 | 16 | 46 | <2.5 | | --- | |
| D-3 | 9/10/1997 | 3 | 5900 | 43 | 65 | 36 | 100 | 1000 | <20 | --- | |
| D-4 | 9/10/1997 | 3 | 3400 | 19 | 32 | 21 | 83 | <2.5 | | --- | |
| TV-1 | 9/10/1997 | --- | --- | --- | --- | --- | --- | --- | --- | 410 | Strong Odor |
| TV-2 | 9/10/1997 | --- | --- | --- | --- | --- | --- | --- | --- | 240 | Moderate Odor |
| TV-3 | 9/10/1997 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Pump not visible |
| PD-1 | 9/10/1997 | --- | --- | --- | --- | --- | --- | --- | --- | 0 | gravel in box |
| PD-2 | 9/10/1997 | --- | --- | --- | --- | --- | --- | --- | --- | 8 | gravel in box |
| PD-3 | 9/10/1997 | --- | --- | --- | --- | --- | --- | --- | --- | 4 | gravel in box |
| PD-4 | 9/10/1997 | --- | --- | --- | --- | --- | --- | --- | --- | 2 | gravel in box |

ATTACHMENT 5

Table 3
Summary of Groundwater Chemical Analysis
Former Tosco 76 Service Station 3737

| Sample ID | Date | TPHg (ppb) | TPHd (ppb) | Benzene (ppb) | Toluene (ppb) | Ethyl-benzene (ppb) | Total Xylenes (ppb) | MtBE 8020 (ppb) | MtBE 8260 (ppb) |
|-----------|----------|------------|------------|---------------|---------------|---------------------|---------------------|-----------------|-----------------|
| TCW-1* | 05/07/99 | 4,400 | 2,600 | 520 | 12 | 72 | 24 | 1,300 | 540 |

NOTES:

- ppb = parts per billion
- TPHg = total petroleum hydrocarbons as gasoline
- TPHd = total petroleum hydrocarbons as diesel
- MtBE = methyl tert butyl ether
- ND = not detected at or above method detection limit
- * = "grab" type groundwater sample.

**Table 3
Temporary Monitoring Well Analytical Results**

Former 76 Service Station No. 3737
1400 Powell Street, Emeryville, California

| Sample Name | Sample Date | USEPA 8015B | | LUFT-GC/MS | USEPA 8260 | | | | | |
|----------------------|-------------|----------------|-----------------|----------------|----------------|----------------|---------------------|----------------|-------------|------------|
| | | TPH-DRO (µg/L) | TPH-DRO* (µg/L) | TPH-GRO (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) |
| MWT-1 | 07/29/12 | 1100 | 450 | 2,500 | 7.7 | 2.3 | 3.5 | 6.3 | 31 | 71 |
| MWT-2 | 07/29/12 | 780 | <40 | 3,000 | 70 | 1.6 | 62 | 8.8 | 11 | 89 |
| MWT-3 | 07/29/12 | 900 | 640 | 2,100 | 1.3 | 0.65 | 0.63 | 2.4 | 1.9 | 17 |
| MWT-4 | 07/29/12 | 1500 | 690 | 2,800 | 530 | 5.8 | 100 | 61 | 0.78 | 560 |
| ESLs for Groundwater | | 100 | 100 | 100 | 1.0 | 40 | 30 | 20 | 5 | 12 |

Notes:

- Bold** = detection exceeds ESL
- ESL = Table A. Environmental Screening Levels (ESLs), Shallow Soils (< 3 meters below ground surface), Commercial/Industrial Land Use Only, Groundwater is a Current or Potential Source of Drinking Water, CRWQCB-SFBR, Table A, November 2007
- LUFT-GC/MS = Leaking Underground Fuel Tank - Gas Chromatograph/Mass Spectrometer
- MTBE = methyl tertiary butyl ether
- TBA = t-butyl alcohol
- TPH-DRO = total petroleum hydrocarbons as diesel range organics
- TPH-DRO* = total petroleum hydrocarbons as diesel range organics with silica gel cleanup
- TPH-GRO = total petroleum hydrocarbons as gasoline range organics
- USEPA = United States Environmental Protection Agency
- µg/L = micrograms per liter
- <40 = not detected at concentration threshold as shown

Table 2
Historical Groundwater Gauging and Analytical Results
76 Station 3737
1400 Powell Street, Emeryville, California

| Well ID | Date Sampled | TOC (feet AMSL) | DTW (feet bgs) | LPH Thickness (feet) | GW Elevation (feet AMSL) | Previous Quarter Elevation (feet AMSL) | Change in Elevation (feet) | TPH-Motor Oil (8015B/FFP) | TPH-d (FFP) (8015B/FFP) | TPH-g (8015B) | TPH-g (Luft-GC/MS) | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | TBA | EDB | EDC | DIPE | ETBE | TAME | Ethanol | Comments |
|------------|--------------|-----------------|----------------|----------------------|--------------------------|--|----------------------------|---------------------------|-------------------------|---------------|--------------------|---------|---------|---------------|---------------|-------|-------|-------|-------|-------|-------|-------|---------|---------------|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-1A | 05/01/2011 | 18.74 | 5.68 | 0.00 | 13.06 | -- | -- | <200 | 450 | -- | 1,100 | 36 | 0.86 | 5.9 | 1.9 | 31 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 08/28/2011 | | 5.72 | 0.00 | 13.02 | 13.06 | 0.04 | 170 | 540 | -- | 840 | 21 | 0.68 | 3.8 | 1.8 | 55 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 11/20/2011 | | 5.58 | 0.00 | 13.16 | 13.02 | -0.14 | <100 | 460 | -- | 1,300 | 20 | 0.74 | 6.4 | <1.0 | 40 | 79 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 02/19/2012 | | 5.67 | 0.00 | 13.07 | 13.16 | 0.09 | <100 | 610 | -- | 1,300 | 20 | 0.91 | 6.8 | 2.5 | 59 | 80 | <0.50 | <0.50 | <0.50 | <0.50 | 2.0 | <250 | |
| | 05/20/2012 | | 5.50 | 0.00 | 13.24 | 13.07 | -0.17 | <100 | 380 | -- | 1,600 | 18 | 0.81 | 5.1 | 2.7 | 26 | 39 | <0.50 | <0.50 | <0.50 | <0.50 | 0.76 | <250 | A52 |
| | 7/29/2012 | | 5.57 | 0.00 | 13.17 | 13.24 | 0.07 | <100 | 220 | -- | 1,400 | 10 | <0.50 | 0.8 | 1.9 | 35 | 80 | <0.50 | <0.50 | <0.50 | <0.50 | 1.2 | <250 | |
| | 10/28/2012 | | 5.32 | 0.00 | 13.42 | 13.17 | -0.25 | <100 | 180 | -- | 1,500 | 13 | 0.72 | 2.8 | 1.7 | 52 | 120 | <0.50 | <0.50 | <0.50 | <0.50 | 1.9 | <250 | A52 |
| | 1/16/2013 | | 5.29 | 0.00 | 13.45 | 13.42 | -0.03 | 230 | 260 | 1,000 | 1,300 | 9.0 | <0.50 | 2.1 | 1.7 | 24 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A01, A52, A57 |
| | 4/7/2013 | | 5.45 | 0.00 | 13.29 | 13.45 | 0.16 | -- | 450 | 980 | 1,000 | 7.7 | 0.52 | 1.5 | 5.9 | 16 | 45 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A01, A52 |
| | MW-1B | 05/01/2011 | 18.88 | 8.51 | 0.00 | 10.37 | -- | -- | <200 | 82 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | 19 | <0.50 | <0.50 | <0.50 | <250 |
| 08/28/2011 | | | 8.27 | 0.00 | 10.61 | 10.37 | -0.24 | <100 | 59 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | 18 | <0.50 | <0.50 | <0.50 | <250 | |
| 11/20/2011 | | | 7.88 | 0.00 | 11.00 | 10.61 | -0.39 | <100 | 69 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 0.55 | <10 | <0.50 | 16 | <0.50 | <0.50 | <0.50 | <250 | |
| 02/19/2012 | | | 7.59 | 0.00 | 11.29 | 11.00 | -0.29 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 0.87 | <10 | <0.50 | 26 | <0.50 | <0.50 | <0.50 | <250 | |
| 05/20/2012 | | | 7.33 | 0.00 | 11.55 | 11.29 | -0.26 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 0.75 | <10 | <0.50 | 24 | <0.50 | <0.50 | <0.50 | <250 | |
| 7/29/2012 | | | 6.90 | 0.00 | 11.98 | 11.55 | -0.43 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 0.72 | <10 | <0.50 | 27 | <0.50 | <0.50 | <0.50 | <250 | |
| 10/28/2012 | | | 5.44 | 0.00 | 13.44 | 11.98 | -1.46 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 0.63 | <10 | <0.50 | 23 | <0.50 | <0.50 | <0.50 | <250 | |
| 1/16/2013 | | | 6.62 | 0.00 | 12.26 | 13.44 | 1.18 | 100 | <40 | <50 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | 15 | <0.50 | <0.50 | <0.50 | <250 | A52, A57 |
| 4/7/2013 | | | 6.48 | 0.00 | 12.40 | 12.26 | -0.14 | -- | 110 | <50 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | 11 | <0.50 | <0.50 | <0.50 | <250 | A52 |
| MW-2A | | 05/01/2011 | 18.93 | 6.40 | 0.00 | 12.53 | -- | -- | <1000 | 1,500 | -- | 2,800 | 860 | 4.6 | <0.50 | 12 | 220 | 2,500 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 |
| | 08/28/2011 | | 5.93 | 0.00 | 13.00 | 12.53 | -0.47 | <1000 | 1,600 | -- | 2,300 | 690 | <5.0 | <5.0 | <10 | 320 | 2,100 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <2,500 | A01 |
| | 11/20/2011 | | 5.73 | 0.00 | 13.20 | 13.00 | -0.20 | <500 | 1,200 | -- | 1,800 | 440 | <5.0 | <5.0 | <10 | 160 | 2,200 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <2,500 | A01 |
| | 02/19/2012 | | 7.25 | 0.00 | 11.68 | 13.20 | 1.52 | <100 | 450 | -- | 2,000 | 460 | 5.1 | <0.50 | 5.8 | 280 | 3,200 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 05/20/2012 | | 7.77 | 0.00 | 11.16 | 11.68 | 0.52 | <100 | 470 | -- | 2,100 | 250 | 3.2 | <0.50 | 3.1 | 290 | 2,400 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A01, A52 |
| | 7/29/2012 | | 7.33 | 0.00 | 11.60 | 11.16 | -0.44 | <100 | 310 | -- | 1,900 | 120 | 1.9 | 12 | 1.4 | 280 | 2,300 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 10/28/2012 | | 5.68 | 0.00 | 13.25 | 11.60 | -1.65 | <100 | 91 | -- | 1,300 | 150 | <2.5 | 14 | 5.4 | 270 | 2,100 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <1,200 | A01 |
| | 1/16/2013 | | 5.32 | 0.00 | 13.61 | 13.25 | -0.36 | 340 | 710 | 2,800 | 1,700 | 310 | 7.0 | 14 | 5.2 | 140 | 3,400 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A01, A52, A57 |
| | 4/7/2013 | | 6.85 | 0.00 | 12.08 | 13.61 | 1.53 | -- | 2,100 | 2,300 | 1,800 | 360 | <5.0 | 15 | <10 | 250 | 3,000 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <2,500 | A01, A52 |
| | MW-2B | 05/01/2011 | 19.10 | 7.57 | 0.00 | 11.53 | -- | -- | <200 | <50 | -- | <50 | 1.2 | <0.50 | <0.50 | <1.0 | 3.4 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 |
| 08/28/2011 | | | 5.82 | 0.00 | 13.28 | 11.53 | -1.75 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 2.3 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| 11/20/2011 | | | 5.73 | 0.00 | 13.37 | 13.28 | -0.09 | <100 | 56 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 2.0 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| 02/19/2012 | | | 5.46 | 0.00 | 13.64 | 13.37 | -0.27 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 3.1 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| 05/20/2012 | | | 5.18 | 0.00 | 13.92 | 13.64 | -0.28 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 3.0 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| 7/29/2012 | | | 5.28 | 0.00 | 13.82 | 13.92 | 0.10 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 2.1 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| 10/28/2012 | | | 5.22 | 0.00 | 13.88 | 13.82 | -0.06 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 1.7 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| 1/16/2013 | | | 4.92 | 0.00 | 14.18 | 13.88 | -0.30 | <100 | <40 | <50 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A52, A57 |
| 4/7/2013 | | | 5.52 | 0.00 | 13.58 | 14.18 | 0.60 | -- | 40.00 | <50 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A52 |
| MW-3A | | 05/01/2011 | 18.62 | 4.68 | 0.00 | 13.94 | -- | -- | <200 | 460 | -- | 2,700 | 130 | 2.7 | 98 | 3.6 | <0.50 | <10 | <0.50 | 1.2 | <0.50 | <0.50 | <0.50 | <250 |
| | 08/28/2011 | | 4.92 | 0.00 | 13.70 | 13.94 | 0.24 | 130 | 440 | -- | 1,700 | 39 | 0.51 | 28 | 1.6 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 11/20/2011 | | 4.97 | 0.00 | 13.65 | 13.70 | 0.05 | <100 | 330 | -- | 1,200 | 25 | 0.83 | 17 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 02/19/2012 | | 4.72 | 0.00 | 13.90 | 13.65 | -0.25 | <1000 | 1400 | -- | 1,900 | 60 | 2.1 | 41 | 2.1 | 0.71 | 30 | <0.50 | 0.80 | <0.50 | <0.50 | <0.50 | <250 | A01 |
| | 05/20/2012 | | 4.40 | 0.00 | 14.22 | 13.90 | -0.32 | <100 | 340 | -- | 2,200 | 45 | 2.2 | 30 | 2.5 | 0.54 | 25 | <0.50 | 0.85 | <0.50 | <0.50 | <0.50 | <250 | A52 |
| | 7/29/2012 | | 4.50 | 0.00 | 14.12 | 14.22 | 0.10 | <100 | 160 | -- | 1,900 | 77 | 2.1 | 14 | 2.2 | <0.50 | <10 | <0.50 | 0.94 | <0.50 | <0.50 | <0.50 | <250 | |
| | 10/28/2012 | | 4.37 | 0.00 | 14.25 | 14.12 | -0.13 | <100 | 130 | -- | 1,600 | 54 | 3.9 | 27 | 4.4 | 2.8 | <20 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <500 | A01 |
| | 1/16/2013 | | 4.21 | 0.00 | 14.41 | 14.25 | -0.16 | 210 | 170 | 1,600 | 1,400 | 19 | 1.0 | 3.3 | <1.0 | <0.50 | <10 | <0.50 | 1.0 | <0.50 | <0.50 | <0.50 | <250 | A01, A52, A57 |
| | 4/7/2013 | | 4.55 | 0.00 | 14.07 | 14.41 | 0.34 | -- | 530 | 1,100 | 880 | 19 | 1.1 | 3.0 | <1.0 | <0.50 | <10 | <0.50 | 0.89 | <0.50 | <0.50 | <0.50 | <250 | A01, A52 |

Table 2
Historical Groundwater Gauging and Analytical Results
76 Station 3737
1400 Powell Street, Emeryville, California

| Well ID | Date Sampled | TOC (feet AMSL) | DTW (feet bgs) | LPH Thickness (feet) | GW Elevation (feet AMSL) | Previous Quarter GWE (feet AMSL) | Change in Elevation (feet) | TPH-Motor Oil (8015B/FFP) | TPH-d (FFP) (8015B/FFP) | TPH-g (8015B) | TPH-g (Luft-GC/MS) | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | TBA | EDB | EDC | DIPE | ETBE | TAME | Ethanol | Comments |
|---------|--------------|-----------------|----------------|----------------------|--------------------------|----------------------------------|----------------------------|---------------------------|-------------------------|---------------|--------------------|---------|---------|---------------|---------------|-------|-----|-------|-------|-------|-------|-------|---------|---------------|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| MW-3B | 05/01/2011 | 18.57 | 6.68 | 0.00 | 11.89 | -- | -- | <200 | <50 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 08/28/2011 | | 7.29 | 0.00 | 11.28 | 11.89 | 0.61 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 11/20/2011 | | 6.33 | 0.00 | 12.24 | 11.28 | -0.96 | <100 | 45 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 02/19/2012 | | 4.62 | 0.00 | 13.95 | 12.24 | -1.71 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 05/20/2012 | | 4.52 | 0.00 | 14.05 | 13.95 | -0.10 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 7/29/2012 | | 4.36 | 0.00 | 14.21 | 14.05 | -0.16 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 10/28/2012 | | 4.10 | 0.00 | 14.47 | 14.21 | -0.26 | <100 | <40 | -- | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | |
| | 1/16/2013 | | 4.16 | 0.00 | 14.41 | 14.47 | 0.06 | <100 | <40 | <50 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A52, A57, S05 |
| | 4/7/2013 | | 5.91 | 0.00 | 12.66 | 14.41 | 1.75 | -- | 77 | <50 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | <10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <250 | A52 |

Note

Analytical results given in micrograms per liter (µg/l)

Standard Abbreviations

- not analyzed, measured, or collected
- < not detected at or above laboratory detection limit
- bgs below ground surface
- AMSL above mean sealevel
- DTW depth to water
- GW groundwater
- LPH liquid-phase hydrocarbons
- TOC top of casing (surveyed reference elevation)

Analytes

- MTBE methyl tertiary butyl ether
- TBA tertiary butyl alcohol
- EDB 1,2-dibromoethane
- EDC 1,2-dichloroethane (same as ethylene dichloride)
- ETBE ethyl tertiary butyl ether
- TAME tertiary amyl methyl ether
- DIPE di-isopropyl ether
- TPH-g total purgable petroleum hydrocarbons
- TPH-d total petroleum hydrocarbons as diesel
- TPH-Motor Oil total petroleum hydrocarbons as motor oil
- 8260B EPA Method 8260B for TPH-g and Volatile Organic Compounds
- 8015B/FFP EPA Method 8015B with silica gel clean-up for TPH-d and TPH-motor oil
- A01 PQL's and MDL's are raised due to sample dilution.
- PQL practical quantitation limit
- MDL method detection limit
- A52 Chromatogram not typical of diesel
- A57 Chromatogram not typical of motor oil
- S05 The sample holding time was exceeded

Table 2
Current Groundwater Gauging and Analytical Results
76 Station 3737
1400 Powell Street, Emeryville, California

| Well ID | Date Sampled | Dissolved Iron | Dissolved Manganese | Nitrate as NO3 (mg/L) | Nitrite as NO2 (mg/L) | Sulfate (mg/L) | Post-purge DO | Pre-purge DO | Comments |
|---------|--------------|----------------|---------------------|-----------------------|-----------------------|----------------|---------------|--------------|----------|
| MW-1A | 1/16/2013 | 69 | 5,300 | <0.44 | <0.17 | 1.1 | 1.0 | 1.2 | |
| MW-1A | 4/7/2013 | 70 | 5,900 | <0.44 | <0.17 | <1.0 | 1.0 | 1.2 | |
| MW-1B | 1/16/2013 | -- | -- | -- | -- | -- | -- | -- | |
| MW-1B | 4/7/2013 | -- | -- | -- | -- | -- | -- | -- | |
| MW-2A | 1/16/2013 | 1,400 | 13,000 | <0.88 | <0.17 | 5.6 | 1.0 | 1.0 | A01 |
| MW-2A | 4/7/2013 | 1,900 | 14,000 | <0.88 | <0.17 | 39.0 | 1.0 | 1.0 | |
| MW-2B | 1/16/2013 | -- | -- | -- | -- | -- | -- | -- | |
| MW-2B | 4/7/2013 | -- | -- | -- | -- | -- | -- | -- | |
| MW-3A | 1/16/2013 | <50 | 5,200 | <0.44 | <0.17 | 6.3 | 0.9 | 1.1 | |
| MW-3A | 4/7/2013 | 240 | 6,700 | <0.44 | <0.17 | 2.9 | 0.9 | 1.1 | |
| MW-3B | 1/16/2013 | <50 | 45 | <0.44 | <0.17 | 6.3 | 1.0 | 1.2 | |
| MW-3B | 4/7/2013 | <50 | 45 | <0.44 | <0.17 | 6.3 | 1.0 | 1.2 | |

Note

Analytical results given in micrograms per liter (µg/L), unless otherwise stated

Standard Abbreviations

mg/l milligrams per liter (approx. equivalent to parts per million, ppm)
µg/l micrograms per liter (approx. equivalent to parts per billion, ppb)

Analytes

DO dissolved oxygen

Lab Qualifiers

A01 PQL's and MDL's are raised due to sample dilution.
MDL method detection limit

TABLE D-1

Summary of Groundwater Analytical Results
 ConocoPhillips Service Station No. 3737
 1400 Powell Street
 Emeryville, CA

| Contaminant | Sample Depth | | | | | | Reporting Limit | Units |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|-------|
| | CPT-1@6-9' | CPT-1@29-32' | CPT-1@50-52' | CPT-2@19-22' | CPT-2@29-32' | CPT-2@35-38' | | |
| Benzene | 42 | ND | ND | ND | ND | ND | 0.5 | ug/L |
| 1,2-Dibromoethane | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| 1,2-Dichloroethane | 4.4 | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Ethylbenzene | 59 | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Methyl t-butyl ether | ND | ND | ND | 0.99 | ND | ND | 0.5 | ug/L |
| Toluene | 4 | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Total Xylenes | 11 | ND | ND | ND | ND | ND | 1 | ug/L |
| t-Amyl Methyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| t-Butyl alcohol | ND | ND | ND | ND | ND | ND | 10 | ug/L |
| Diisopropyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Ethanol | ND | ND | ND | ND | ND | ND | 250 | ug/L |
| Ethyl t-butyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Gasoline Range Organics (C4 - C12) | 690 | ND | ND | ND | ND | ND | 50 | ug/L |
| Diesel Range Organics (C12 - C24) | 260 | ND | ND | ND | ND | ND | 59 | ug/L |

ND = below laboratory reporting limits

ug/L = micrograms per liter

bold = above laboratory reporting limits

TABLE D-1

Summary of Groundwater Analytical Results
 ConocoPhillips Service Station No. 3737
 1400 Powell Street
 Emeryville, CA

| Contaminant | Sample Depth | | | | | | Reporting Limit | Units |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|-------|
| | CPT-2@50-53' | CPT-3@19-22' | CPT-3@35-38' | CPT-3@50-53' | CPT-4@20-23' | CPT-4@52-55' | | |
| Benzene | ND | ND | ND | ND | 1.8 | 1.4 | 0.5 | ug/L |
| 1,2-Dibromoethane | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| 1,2-Dichloroethane | ND | ND | ND | ND | 43 | ND | 0.5 | ug/L |
| Ethylbenzene | ND | ND | ND | ND | 0.84 | 2.1 | 0.5 | ug/L |
| Methyl t-butyl ether | ND | ND | ND | ND | 1.3 | ND | 0.5 | ug/L |
| Toluene | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Total Xylenes | ND | ND | ND | ND | ND | ND | 1 | ug/L |
| t-Amyl Methyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| t-Butyl alcohol | ND | ND | ND | ND | ND | ND | 10 | ug/L |
| Diisopropyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Ethanol | ND | ND | ND | ND | ND | ND | 250 | ug/L |
| Ethyl t-butyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Gasoline Range Organics (C4 - C12) | ND | ND | ND | ND | 56 | 99 | 50 | ug/L |
| Diesel Range Organics (C12 - C24) | ND | ND | ND | 90 | 66 | 91 | 59 | ug/L |

ND = below laboratory reporting limits

ug/L = micrograms per liter

bold = above laboratory reporting limits

TABLE D-1

Summary of Groundwater Analytical Results
 ConocoPhillips Service Station No. 3737
 1400 Powell Street
 Emeryville, CA

| Contaminant | Sample Depth | | | | | | Reporting Limit | Units |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|-------|
| | CPT-5@28-31' | CPT-5@52-55' | CPT-6@20-23' | CPT-6@51-54' | CPT-7@45-48' | CPT-7@50-53' | | |
| Benzene | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| 1,2-Dibromoethane | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| 1,2-Dichloroethane | 3.4 | ND | 1.5 | ND | ND | ND | 0.5 | ug/L |
| Ethylbenzene | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Methyl t-butyl ether | 0.96 | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Toluene | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Total Xylenes | ND | ND | ND | ND | ND | ND | 1 | ug/L |
| t-Amyl Methyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| t-Butyl alcohol | ND | ND | ND | ND | ND | ND | 10 | ug/L |
| Diisopropyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Ethanol | ND | ND | ND | ND | ND | ND | 250 | ug/L |
| Ethyl t-butyl ether | ND | ND | ND | ND | ND | ND | 0.5 | ug/L |
| Gasoline Range Organics (C4 - C12) | 59 | ND | ND | ND | ND | ND | 50 | ug/L |
| Diesel Range Organics (C12 - C24) | 630 | 270 | ND | 50 | 200 | 110 | 59 | ug/L |

ND = below laboratory reporting limits

ug/L = micrograms per liter

bold = above laboratory reporting limits

Table 1
Current Groundwater Gauging and Analytical Results
76 Station 3737
1400 Powell Street, Emeryville, California

| Well ID | Date Sampled | Dissolved Iron | Dissolved Manganese | Nitrate as NO3 (mg/L) | Nitrite as NO2 (mg/L) | Sulfate (mg/L) | Post-purge DO | Pre-purge DO | Comments |
|---------|--------------|----------------|---------------------|-----------------------|-----------------------|----------------|---------------|--------------|----------|
| MW-1A | 1/16/2013 | 69 | 5,300 | <0.44 | <0.17 | 1.1 | 1.0 | 1.2 | |
| MW-1B | 1/16/2013 | -- | -- | -- | -- | -- | -- | -- | |
| MW-2A | 1/16/2013 | 1,400 | 13,000 | <0.88 | <0.17 | 5.6 | 1.0 | 1.0 | |
| MW-2B | 1/16/2013 | -- | -- | -- | -- | -- | -- | -- | |
| MW-3A | 1/16/2013 | <50 | 5,200 | <0.44 | <0.17 | 6.3 | 0.9 | 1.1 | |
| MW-3B | 1/16/2013 | <50 | 45 | <0.44 | <0.17 | 6.3 | 1.0 | 1.2 | |

Note

Analytical results given in micrograms per liter ($\mu\text{g/L}$), unless otherwise stated

Standard Abbreviations

mg/l milligrams per liter (approx. equivalent to parts per million, ppm)
 $\mu\text{g/l}$ micrograms per liter (approx. equivalent to parts per billion, ppb)

Analytes

DO dissolved oxygen

Lab Qualifiers

A01 PQL's and MDL's are raised due to sample dilution.
MDL method detection limit
A52 Chromatogram not typical of diesel
A57 Chromatogram not typical of motor oil
SO5 The sample holding time was exceeded

Table D-4
Groundwater Analytical Results from April 2010 Investigation

| Sample ID | Sample Date | Sample Depth (feet) | TPHd (ug/L) | TPHmo (ug/L) | TPHg (ug/L) | Benzene (ug/L) | Toluene (ug/L) | Ethylbenzene (ug/L) | Total Xylenes (ug/L) | m,p-Xylenes (ug/L) | o-Xylene (ug/L) | Isopropylbenzene (ug/L) | Propylbenzene (ug/L) | 1,3-Dimethylbenzene (ug/L) | 1,2,4-Trimethylbenzene (ug/L) | sec-Butylbenzene (ug/L) | para-Isopropyltoluene (ug/L) | n-Butylbenzene (ug/L) | Naphthalene (B210) (ug/L) | Acetone (ug/L) | MIBK (ug/L) | 2-Butanone (ug/L) | 1,2-Dichloroethane (ug/L) | Other VOCs (ug/L) | Benzene (Arylene) (ug/L) | Naphthalene (B270) (ug/L) | Phenanthrene (ug/L) | Other SVOCs (ug/L) | | | |
|------------|---|---------------------|-------------|--------------|-------------|----------------|----------------|---------------------|----------------------|--------------------|-----------------|-------------------------|----------------------|----------------------------|-------------------------------|-------------------------|------------------------------|-----------------------|---------------------------|----------------|-------------|-------------------|---------------------------|-------------------|--------------------------|---------------------------|---------------------|--------------------|------|------|------|
| TRCPT-1-GW | 4/6/2010 | 20 | ND | ND | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| TRCPT-2-GW | 4/6/2010 | 20 | ND | ND | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | |
| TRCPT-3-GW | 4/2/2010 | 20 | ND | ND | ND | <0.5 | 0.6 | 0.7 | 3.5 | 2.3 | 1.2 | <0.5 | <0.5 | 1.3 | 3.4 | <0.5 | <0.5 | 0.7 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | |
| TRCPT-4-GW | Boring left open for 6 hours. No measurable water | | | | | | | | | | | | | | | | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| TRCPT-5-GW | 4/2/2010 | 20 | 210 | 2,500y | 140 | 0.7 | 100 | 11 | 10 | 1 | 23 | 56 | 4 | 8.6 | 6.8 | 3.8 | 23 | 46 | 42 | <0.5 | <0.5 | 17 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | |
| TRCPT-6-GW | 4/2/2010 | 11 | 240 | 1,700 | 300y | 0.6 | 0.6 | 0.8 | 2.3 | 1.6 | 0.7 | 2.6 | 4.1 | 0.6 | 2 | 0.7 | 1 | 1.4 | 34 | <0.5 | <0.5 | 11 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | |
| TRCPT-7-GW | 4/1/2010 | 9 | 2500 | 23,000 | 490y | <0.5 | <0.5 | 0.6 | 0.5 | 0.5 | <0.5 | 5.5 | 8.2 | <0.5 | <0.5 | 1.7 | 2.5 | 3.2 | <0.5 | <0.5 | 61 | <0.5 | <0.5 | <0.5 | <0.5 | 11 | <0.5 | <0.5 | | | |
| TRCPT-8-GW | 4/1/2010 | 20 | 2100 | 2500 | 350 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| TRCPT-9-GW | 4/1/2010 | 17 | 2100 | 2500 | 330y | 24 | <0.5 | 6.5 | 0.6 | 0.6 | <0.5 | 5.3 | 5.9 | 1.7 | 0.6 | 1.4 | 2.1 | 2 | <0.5 | <0.5 | 63 | 0.6 | <0.5 | <0.5 | 21 | 1.4 | <0.5 | <0.5 | | | |
| | | 50 | ND | ND | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |

Notes:
 Results presented in units indicated at top of table.
 ug/L = micrograms per liter (parts per billion)
 TPHd = Total Petroleum Hydrocarbons quantified as diesel fuel
 TPHmo = Total Petroleum Hydrocarbons quantified as motor oil
 TPHg = Total Petroleum Hydrocarbons quantified as gasoline
 VOCs = Volatile Organic Compounds (see laboratory data sheets for complete list of VOCs analyzed)
 ND = Not Detected at the indicated laboratory detection limit
 Y = Laboratory flag indicating sample exhibits chromatographic pattern which does not resemble standard
 - = not analyzed
 TPHg and VOC analyzed using EPA Method 8260
 TPHd and TPHmo analyzed using EPA Method 8015
 SVOCs analyzed using EPA Method 8270

**Table D-2
Summary of Historic Groundwater Analytical Data - Organics**

| Sample ID | Sample Date | TPHd µg/L | TPHmo µg/L | TPHg µg/L | Benzene µg/L | Toluene µg/L | Ethylbenzene µg/L | Total Xylenes µg/L | Isopropyl benzene µg/L | Propyl benzene µg/L | 1,3,5- Trimethyl- benzene µg/L | 1,2,4- Trimethyl- benzene µg/L | sec-Butyl benzene µg/L | Napthalene µg/L | Acetone µg/L | Other VOCs µg/L |
|------------|-------------|--------------|---------------|--------------|-----------------|-----------------|----------------------|--------------------------|------------------------------|---------------------------|---|---|------------------------------|--------------------|-----------------|--------------------|
| TR-1 | 4/6/2000 | 130 | ND | 98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND (8010) |
| TR-6 | 4/5/2000 | ND | 1,400 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <100 | ND (8260) |
| TR-9 | 4/6/2000 | ND | 420 | ND | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| TR-12 | 4/6/2000 | 700 | ND | 3,300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | ND (8010) |
| TR-23 (GW) | 6/20/2005 | 8400 L Y | -- | 28,000 | 4,300 | <25 | 990 | 300 | 120 | 240 | 45 | 160 | <25 | 380 | <500 | ND (8280) |
| TR-24 (GW) | 6/15/2005 | 6800 L | -- | 91,000 Y | 2,500 | 31 | 950 | 760 | 210 | 110 | 290 | 43 | 70 | 710 | 35 | ND |
| TR-25 (GW) | 1/20/2005 | -- | -- | 150,000 Y | 2,500 | <10 | 3,600 | 1,720 | -- | -- | -- | -- | -- | -- | -- | -- |
| TR-29 (GW) | 1/20/2005 | 280 H Y | 340 L | <50 | <0.5 | 0.61 C | <0.5 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| TR-30 (GW) | 1/20/2005 | 640 H Y | 960 | <50 | <0.5 | 0.85 C | <0.5 | 0.85 | -- | -- | -- | -- | -- | -- | -- | -- |
| TR-31 (GW) | 1/20/2005 | 270 H Y | 1,500 | <50 | <0.5 | 0.56 C | <0.5 | 0.57 | -- | -- | -- | -- | -- | -- | -- | ND |

Notes:

Results presented in units indicated at top of table
 ug/l = micrograms per liter (parts per billion)

TPHg = Total Petroleum Hydrocarbons quantified as gasoline

TPHd = Total Petroleum Hydrocarbons quantified as diesel fuel

TPHmo = Total Petroleum Hydrocarbons quantified as motor oil

VOCs = Volatile Organic Compounds (see laboratory data sheets for complete list of VOCs analyzed)

< 5 = indicates not detected at the indicated laboratory detection limit

ND = Not detected at or greater than the laboratory detection limit which varies, see laboratory report

C = Presence confirmed, but RPD (Relative Percent Difference) between columns exceeds 40%

Y = Laboratory flag indicating sample exhibits chromatographic pattern which does not resemble standard

H = Laboratory flag indicating heavier hydrocarbons contributed to quantitation

L = Laboratory flag indicating lighter hydrocarbons contributed to quantitation

Z = Sample exhibits unknown single peak or peak

NA = not analyzed

Table 1
 GROUNDWATER ANALYTICAL RESULTS
 Grab Groundwater Sample and Previous Dewatering Samples
 5885 Hollis Street
 Emeryville, California

| Sample ID | Sample Date | TPH | | | VOCs | | | | | | | | | | | | | |
|-----------|-------------|---------------|----------------|-----------|-----------|------|------|------|------|---------|-----------|------------|------------|------------|------|-----------|--|--------|
| | | Gasoline | Diesel Fuel | Motor Oil | TBA | MTBE | DIPE | ETBE | TAME | Ethanol | B | T | E | X | EDB | EDC | Other VOCs | |
| DW-11 | 4/13/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| DW-11 | | | | | | | | | | | | | | | | | | |
| DW-11 | 4/18/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | 0.6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | All ND |
| DW-11 | 4/26/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | 9.8 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- |
| DW-11 | 5/3/2006 | <50 | 130 Y | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | 2.3 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 5/10/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | 0.9 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 5/17/2006 | <50 | 100 Y | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | 0.6 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 5/23/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | 0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 6/1/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 6/8/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 6/16/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 6/22/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 6/30/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 7/5/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 7/12/2006 | <50 | 78 Y | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 7/18/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-11 | 7/27/2006 | <50 | <50 | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <5.0 | -- | |
| DW-14 | 4/13/2006 | 77 L Y | <50 | <300 | 72 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 10 | 0.8 | <0.5 | 0.6 | -- | -- | -- | |
| DW-14 | 4/18/2006 | 250 | 110Y | <300 | 72 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 22 | 1.3 | 6.4 | 5.7 | <0.5 | 19 | Isopropyl Benzene = 1.9 Propyl Benzene = 1.7 1,3,5 Trimethylbenzene = 1.9 1,2,4 Trimethylbenzene = 0.8 para-Isopropyl Toluene = 1.3 n-Butylbenzene = 0.6 All Others ND | |
| DW-14 | 4/26/2006 | 630 | 440 L | <300 | 76 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 42 | 4.9 | 14 | 6.8 | <5.0 | 16 | -- | |
| DW-14 | 5/3/2006 | 620 | 370 L Y | <300 | 64 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 39 | 1.8 | 21 | 10 | <5.0 | 18 | -- | |
| DW-14 | 5/10/2006 | 450 | 250 L Y | <300 | 83 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 11 | 2.4 | 8.6 | 4.9 | <5.0 | 15 | -- | |
| DW-14 | 5/17/2006 | 450 | 340 Y | <300 | 44 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 37 | 0.6 | 9.1 | 6.2 | <5.0 | 16 | -- | |
| DW-14 | 5/23/2006 | 390 | 110 L Y | <300 | 30 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 28 | <0.5 | 4.9 | 3.3 | <5.0 | 15 | -- | |
| DW-14 | 6/1/2006 | 1,800 | 360 L Y | <300 | 58 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 55 | 1.2 | 41 | 28 | <5.0 | 16 | -- | |
| DW-14 | 6/8/2006 | 520 | 130 L Y | <300 | 40 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 37 | <0.5 | 6.0 | 4.7 | <5.0 | 16 | -- | |
| DW-14 | 6/16/2006 | 580 | 150 L Y | <300 | 34 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 35 | <0.5 | 6.4 | 5.4 | <5.0 | 15 | -- | |
| DW-14 | 6/22/2006 | 1,200 | 320 L Y | <300 | 47 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 34 | 0.5 | 7.6 | 9.7 | <5.0 | 14 | -- | |
| DW-14 | 6/30/2006 | 970 | 270 L Y | <300 | 35 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 30 | <0.5 | 6.7 | 5.6 | <5.0 | 15 | -- | |
| DW-14 | 7/5/2006 | 950 | 230 L Y | <300 | 37 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 38 | <0.5 | 6.1 | 5.2 | <5.0 | 16 | -- | |
| DW-14 | 7/12/2006 | 850 Y | <50 | <300 | 24 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 26 | <0.5 | 6.9 | 4.6 | <5.0 | 14 | -- | |
| DW-14 | 7/18/2006 | 980 | 220 L Y | <300 | 57 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 39 | <0.5 | 6.5 | 4.8 | <5.0 | 14 | -- | |
| DW-14 | 7/27/2006 | 670 | 170 L Y | <300 | 51 | <0.5 | <0.5 | <0.5 | <0.5 | <1,000 | 38 | 0.5 | 3.2 | 5.3 | <5.0 | 15 | -- | |
| DW-24 | 4/13/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 4/18/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 4/26/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

Table 1
GROUNDWATER ANALYTICAL RESULTS
Grab Groundwater Sample and Previous Dewatering Samples
5885 Hollis Street
Emeryville, California

| Sample ID | Sample Date | TPH | | | VOCs | | | | | | | | | | | | EDC | Other VOCs |
|----------------------------|-------------|------------|--------------|-----------|--------|-------|------|------|------|---------|------------|---------|------------|------------|--------|-----------|--|------------|
| | | Gasoline | Diesel Fuel | Motor Oil | TBA | MTBE | DIPE | ETBE | TAME | Ethanol | B | T | E | X | EDB | | | |
| DW-24 | 5/3/2006 | -- | 63 Y | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 5/10/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 5/17/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 5/23/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 6/1/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 6/8/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 6/16/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 6/22/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 6/30/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 7/5/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 7/12/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 7/18/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| DW-24 | 7/27/2006 | -- | <50 | <300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| TR-GW | 7/22/2008 | 430 | 560 Y | <300 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 3.8 | <0.5 | 3.5 | 0.6 | <5.0 | 13 | Isopropyl Benzene = 2.5 Propyl Benzene = 3.3 sec-Butylbenzene = 1.0 para-Isopropyl Toluene = 0.9 n-Butylbenzene = 1.3 All Others ND | |
| ESLs - Tier 1 | | 210 | 210 | 210 | 18,000 | 1,800 | NE | NE | NE | NE | 46 | 130 | 43 | 100 | 150 | 200 | NE | |
| ESLs - Gross Contamination | | 5,000 | 2,500 | 2,500 | 50,000 | 1,800 | NE | NE | NE | NE | 20,000 | 400 | 300 | 5,300 | 50,000 | 50,000 | NE | |
| ESLs - Vapor Intrusion | | NE | NE | NE | NE | NE | NE | NE | NE | NE | 1,800 | 530,000 | 170,000 | 160,000 | 510 | 690 | NE | |

Notes

All water results reported in micrograms per liter (µg/L). Detected concentrations shown in **bold**.

L = Lighter hydrocarbons contributed to the quantitation

Y = Sample exhibits chromatographic pattern which does not resemble standard.

Total petroleum hydrocarbons analyzed by EPA Method 8015M. Volatile organic compounds (VOCs) analyzed by EPA Method 8260B.

Fuel oxygenates include tert-Butyl Alcohol (TBA), Methyl tert-Butyl ether (MTBE), Isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), and Methyl tert-Amyl Ether (TAME)

B = Benzene, T = Toluene, E = Ethylbenzene, X = Total Xylenes

Lead scavengers include 1,2 dibromoethane (EDB) and 1,2 dichloroethane (EDC)

Other VOCs = Other volatile organic compounds described in the laboratory analytical report

<0.5 = Compound not detected above laboratory reporting limit.

-- = Not Analyzed

NE = Not Established

ND = Not detected above laboratory detection limits. Detection limits vary for each constituent.

ESLs = Environmental Screening Levels, California Regional Water Quality Control Board, San Francisco Bay Region, November 2007 (revised May 2008). Based on criteria where water is not a current or potential source of drinking water (Table B. Environmental Screening Levels), (Table F-1b. Groundwater Screening Levels), and (Table E-1. Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Concerns, under commercial land use)

Shaded results indicate that results exceeded ESL criteria for their respective constituent.

Volatile Organics

| | | | |
|-----------|-------------------|-----------|-----------------|
| Lab #: | 204806 | Location: | 5885 Hollis St. |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4069_01 | Analysis: | EPA 8260B |
| Field ID: | TR-GW | Batch#: | 140624 |
| Lab ID: | 204806-001 | Sampled: | 07/22/08 |
| Matrix: | Water | Received: | 07/22/08 |
| Units: | ug/L | Analyzed: | 07/23/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-------------------------------|--------|-------|
| Freon 12 | ND | 1.0 |
| tert-Butyl Alcohol (TBA) | ND | 10 |
| Chloromethane | ND | 1.0 |
| Isopropyl Ether (DIPE) | ND | 0.5 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.5 |
| Chloroethane | ND | 1.0 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.5 |
| Trichlorofluoromethane | ND | 1.0 |
| Ethanol | | 1,000 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | 13 | 0.5 |
| Benzene | 3.8 | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | 3.5 | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | 2.5 | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |

ND= Not Detected
 RL= Reporting Limit

Volatile Organics

| | | | |
|-----------|-------------------|-----------|-----------------|
| Lab #: | 204806 | Location: | 5885 Hollis St. |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4069.01 | Analysis: | EPA 8260B |
| Field ID: | TR-GW | Batch#: | 140624 |
| Lab ID: | 204806-001 | Sampled: | 07/22/08 |
| Matrix: | Water | Received: | 07/22/08 |
| Units: | ug/L | Analyzed: | 07/23/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-----------------------------|--------|-----|
| Propylbenzene | 3.3 | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | 1.0 | 0.5 |
| para-Isopropyl Toluene | 0.9 | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | 1.3 | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 95 | 80-123 |
| 1,2-Dichloroethane-d4 | 101 | 76-138 |
| Toluene-d8 | 94 | 80-120 |
| Bromofluorobenzene | 103 | 80-120 |

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-7-GW-9.0 | Batch#: | 161731 |
| Lab ID: | 219232-009 | Sampled: | 04/01/10 |
| Matrix: | Water | Received: | 04/02/10 |
| Units: | ug/L | Analyzed: | 04/07/10 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---------------------------|--------|-----|
| Gasoline C7-C12 | 460 Y | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | 61 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | 11 | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | 0.6 | 0.5 |
| m,p-Xylenes | 0.5 | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | 5.5 | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | 8.2 | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-7-GW-9.0 | Batch#: | 161731 |
| Lab ID: | 219232-009 | Sampled: | 04/01/10 |
| Matrix: | Water | Received: | 04/02/10 |
| Units: | ug/L | Analyzed: | 04/07/10 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-----------------------------|--------|-----|
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | 1.7 | 0.5 |
| para-Isopropyl Toluene | 2.5 | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | 3.2 | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 96 | 81-124 |
| 1,2-Dichloroethane-d4 | 107 | 73-140 |
| Toluene-d8 | 98 | 88-113 |
| Bromofluorobenzene | 97 | 80-127 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-6-GW-11 | Batch#: | 161731 |
| Lab ID: | 219232-012 | Sampled: | 04/02/10 |
| Matrix: | Water | Received: | 04/02/10 |
| Units: | ug/L | Analyzed: | 04/07/10 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---------------------------|--------|-----|
| Gasoline C7-C12 | 300 Y | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | 34 | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | 0.8 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | 11 | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | 0.6 | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | 0.6 | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | 0.8 | 0.5 |
| m,p-Xylenes | 1.6 | 0.5 |
| o-Xylene | 0.7 | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | 2.6 | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | 4.1 | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | 0.6 | 0.5 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-6-GW-11 | Batch#: | 161731 |
| Lab ID: | 219232-012 | Sampled: | 04/02/10 |
| Matrix: | Water | Received: | 04/02/10 |
| Units: | ug/L | Analyzed: | 04/07/10 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-----------------------------|--------|-----|
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | 2.0 | 0.5 |
| sec-Butylbenzene | 0.7 | 0.5 |
| para-Isopropyl Toluene | 1.0 | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | 1.4 | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 98 | 81-124 |
| 1,2-Dichloroethane-d4 | 105 | 73-140 |
| Toluene-d8 | 98 | 88-113 |
| Bromofluorobenzene | 97 | 80-127 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-5-GW-20.0 | Units: | ug/L |
| Lab ID: | 219232-029 | Sampled: | 04/02/10 |
| Matrix: | Water | Received: | 04/02/10 |

| Analyte | Result | RL | Diln Fac | Batch# Analyzed |
|---------------------------|---------|-----|----------|-----------------|
| Gasoline C7-C12 | 2,500 Y | 50 | 1.000 | 161731 04/07/10 |
| Freon 12 | ND | 1.0 | 1.000 | 161731 04/07/10 |
| Chloromethane | ND | 1.0 | 1.000 | 161731 04/07/10 |
| Vinyl Chloride | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Bromomethane | ND | 1.0 | 1.000 | 161731 04/07/10 |
| Chloroethane | ND | 1.0 | 1.000 | 161731 04/07/10 |
| Trichlorofluoromethane | ND | 1.0 | 1.000 | 161731 04/07/10 |
| Acetone | 42 | 10 | 1.000 | 161731 04/07/10 |
| Freon 113 | ND | 2.0 | 1.000 | 161731 04/07/10 |
| 1,1-Dichloroethene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Methylene Chloride | ND | 10 | 1.000 | 161731 04/07/10 |
| Carbon Disulfide | ND | 0.5 | 1.000 | 161731 04/07/10 |
| MTBE | ND | 0.5 | 1.000 | 161731 04/07/10 |
| trans-1,2-Dichloroethene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Vinyl Acetate | ND | 10 | 1.000 | 161731 04/07/10 |
| 1,1-Dichloroethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 2-Butanone | 17 | 10 | 1.000 | 161731 04/07/10 |
| cis-1,2-Dichloroethene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 2,2-Dichloropropane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Chloroform | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Bromochloromethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,1,1-Trichloroethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,1-Dichloropropene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Carbon Tetrachloride | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,2-Dichloroethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Benzene | 140 | 1.0 | 2.000 | 161795 04/08/10 |
| Trichloroethene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,2-Dichloropropane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Bromodichloromethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Dibromomethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 4-Methyl-2-Pentanone | ND | 10 | 1.000 | 161731 04/07/10 |
| cis-1,3-Dichloropropene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Toluene | 0.7 | 0.5 | 1.000 | 161731 04/07/10 |
| trans-1,3-Dichloropropene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,1,2-Trichloroethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 2-Hexanone | ND | 10 | 1.000 | 161731 04/07/10 |
| 1,3-Dichloropropane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Tetrachloroethene | ND | 0.5 | 1.000 | 161731 04/07/10 |

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-5-GW-20.0 | Units: | ug/L |
| Lab ID: | 219232-029 | Sampled: | 04/02/10 |
| Matrix: | Water | Received: | 04/02/10 |

| Analyte | Result | RL | Diln Fac | Batch# Analyzed |
|-----------------------------|--------|-----|----------|-----------------|
| Dibromochloromethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,2-Dibromoethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Chlorobenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Ethylbenzene | 100 | 1.0 | 2.000 | 161795 04/08/10 |
| m,p-Xylenes | 10 | 0.5 | 1.000 | 161731 04/07/10 |
| o-Xylene | 1.0 | 0.5 | 1.000 | 161731 04/07/10 |
| Styrene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Bromoform | ND | 1.0 | 1.000 | 161731 04/07/10 |
| Isopropylbenzene | 23 | 0.5 | 1.000 | 161731 04/07/10 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,2,3-Trichloropropane | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Propylbenzene | 56 | 0.5 | 1.000 | 161731 04/07/10 |
| Bromobenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,3,5-Trimethylbenzene | 4.0 | 0.5 | 1.000 | 161731 04/07/10 |
| 2-Chlorotoluene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 4-Chlorotoluene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| tert-Butylbenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,2,4-Trimethylbenzene | 6.6 | 0.5 | 1.000 | 161731 04/07/10 |
| sec-Butylbenzene | 6.8 | 0.5 | 1.000 | 161731 04/07/10 |
| para-Isopropyl Toluene | 3.8 | 0.5 | 1.000 | 161731 04/07/10 |
| 1,3-Dichlorobenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,4-Dichlorobenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| n-Butylbenzene | 23 | 0.5 | 1.000 | 161731 04/07/10 |
| 1,2-Dichlorobenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 | 1.000 | 161731 04/07/10 |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |
| Hexachlorobutadiene | ND | 2.0 | 1.000 | 161731 04/07/10 |
| Naphthalene | 46 | 4.0 | 2.000 | 161795 04/08/10 |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 1.000 | 161731 04/07/10 |

| Surrogate | %REC | Limits | Diln Fac | Batch# Analyzed |
|-----------------------|------|--------|----------|-----------------|
| Dibromofluoromethane | 95 | 81-124 | 1.000 | 161731 04/07/10 |
| 1,2-Dichloroethane-d4 | 97 | 73-140 | 1.000 | 161731 04/07/10 |
| Toluene-d8 | 97 | 88-113 | 1.000 | 161731 04/07/10 |
| Bromofluorobenzene | 96 | 80-127 | 1.000 | 161731 04/07/10 |

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Purgeable Organics by GC/MS

| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-3-GW-20.0 | Batch#: | 161795 |
| Lab ID: | 219232-030 | Sampled: | 04/02/10 |
| Matrix: | Water | Received: | 04/02/10 |
| Units: | ug/L | Analyzed: | 04/08/10 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---------------------------|--------|-----|
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | 21 | 10 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | 0.6 | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

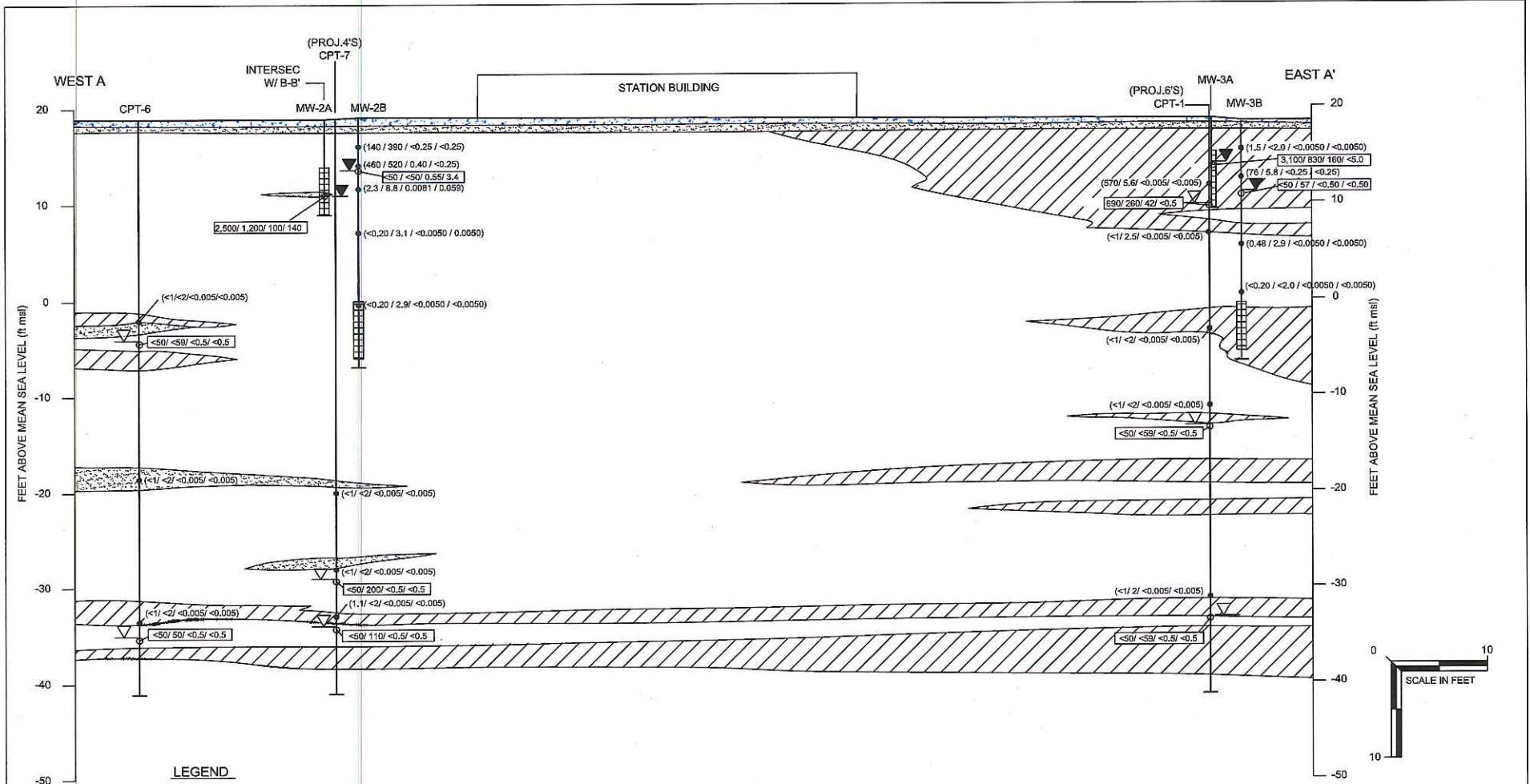
| | | | |
|-----------|-------------------|-----------|-------------|
| Lab #: | 219232 | Location: | 5885 Hollis |
| Client: | Treadwell & Rollo | Prep: | EPA 5030B |
| Project#: | 4954.01 | Analysis: | EPA 8260B |
| Field ID: | TRCPT-3-GW-20.0 | Batch#: | 161795 |
| Lab ID: | 219232-030 | Sampled: | 04/02/10 |
| Matrix: | Water | Received: | 04/02/10 |
| Units: | ug/L | Analyzed: | 04/08/10 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|-----------------------------|--------|-----|
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | 0.7 | 0.5 |
| m,p-Xylenes | 2.3 | 0.5 |
| o-Xylene | 1.2 | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | 1.3 | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | 3.4 | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | 0.7 | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 93 | 81-124 |
| 1,2-Dichloroethane-d4 | 103 | 73-140 |
| Toluene-d8 | 98 | 88-113 |
| Bromofluorobenzene | 92 | 80-127 |

ND= Not Detected
 RL= Reporting Limit

ATTACHMENT 6



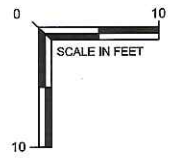
LEGEND

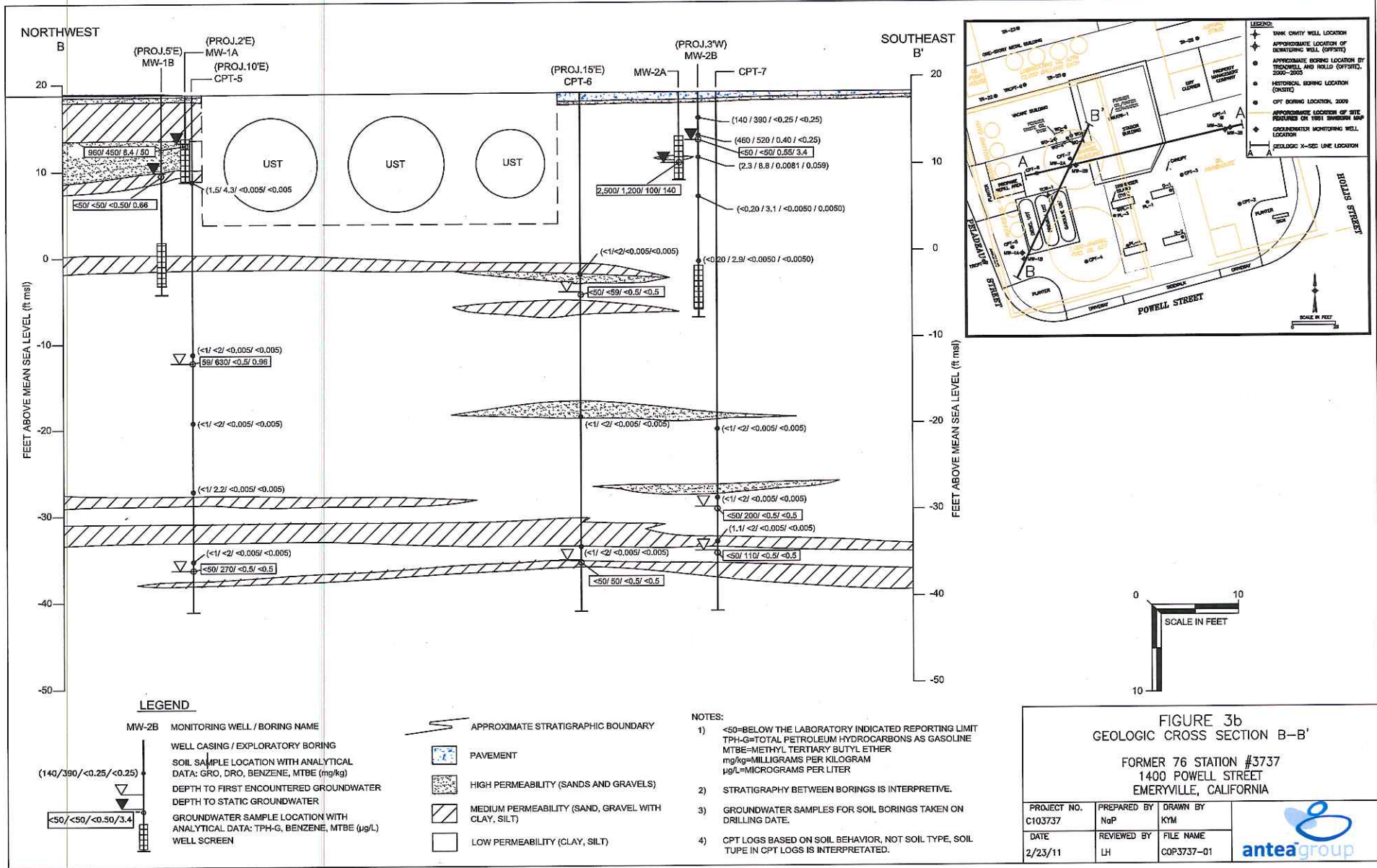
- | | | |
|--|--|--|
| <p>MW-2B</p> <p>(140/390/<0.25/<0.25)</p> <p><50/<50/<0.50/3.4</p> | <p>MONITORING WELL / BORING NAME</p> <p>WELL CASING / EXPLORATORY BORING</p> <p>SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: GRO, DRO, BENZENE, MTBE (mg/kg)</p> <p>DEPTH TO FIRST ENCOUNTERED GROUNDWATER</p> <p>DEPTH TO STATIC GROUNDWATER</p> <p>GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-G, BENZENE, MTBE (µg/L)</p> <p>WELL SCREEN</p> | <p>APPROXIMATE STRATIGRAPHIC BOUNDARY</p> <p> PAVEMENT</p> <p> HIGH PERMEABILITY (SANDS AND GRAVELS)</p> <p> MEDIUM PERMEABILITY (SAND, GRAVEL WITH CLAY, SILT)</p> <p> LOW PERMEABILITY (CLAY, SILT)</p> |
|--|--|--|

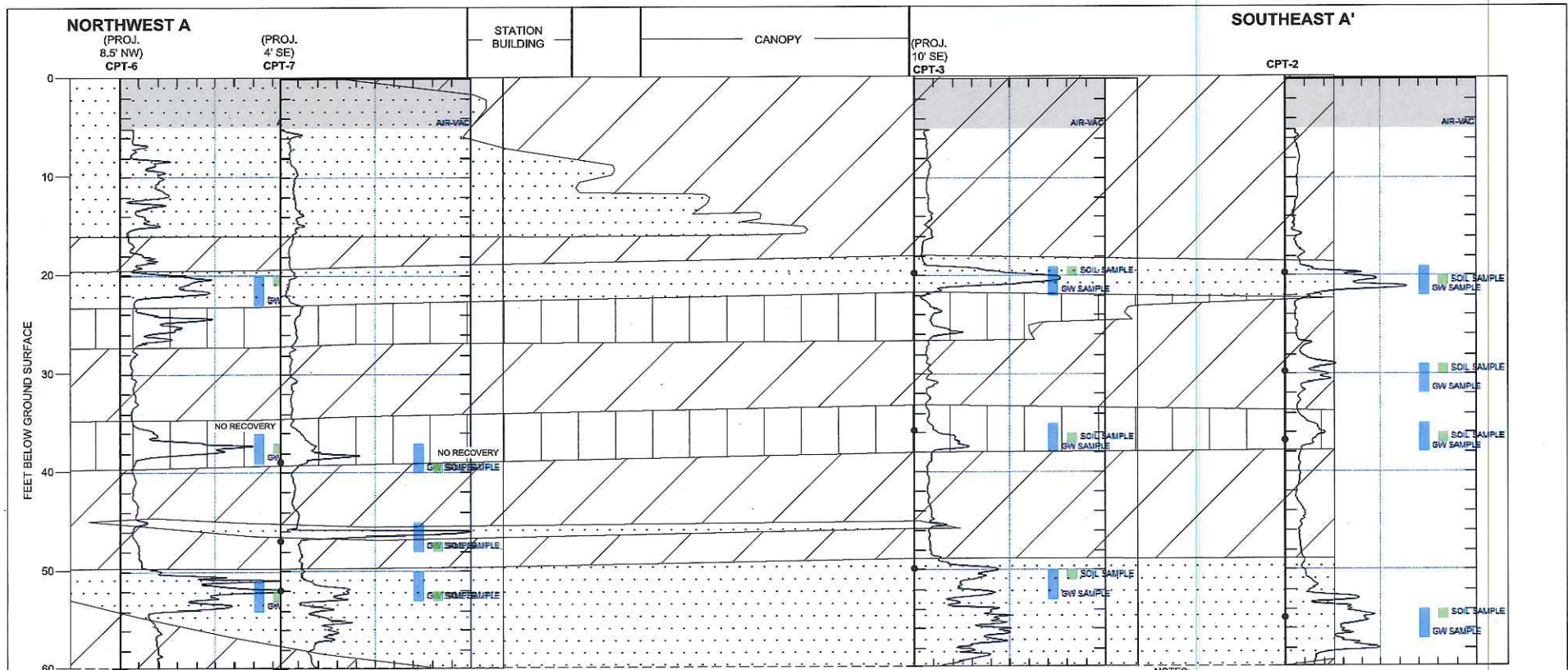
- NOTES:**
- 1) <50=BELOW THE LABORATORY INDICATED REPORTING LIMIT
 TPH-G=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 MTBE=METHYL TERTIARY BUTYL ETHER
 mg/kg=MILLIGRAMS PER KILOGRAM
 µg/L=MICROGRAMS PER LITER
 - 2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.
 - 3) GROUNDWATER SAMPLES FOR SOIL BORINGS TAKEN ON DRILLING DATE.
 - 4) CPT LOGS BASED ON SOIL BEHAVIOR, NOT SOIL TYPE, SOIL TYPE IN CPT LOGS IS INTERPRETATED.

FIGURE 3a
GEOLOGIC CROSS SECTION A-A'
 FORMER 76 STATION #3737
 1400 POWELL STREET
 EMERYVILLE, CALIFORNIA

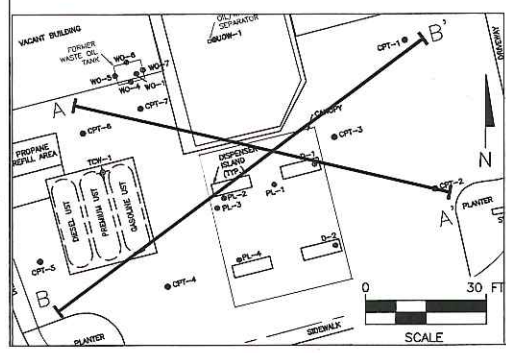
| | | | |
|------------------------|--------------------|-------------------------|--|
| PROJECT NO. C103737 | PREPARED BY NaP | DRAWN BY KYM | |
| DATE 2/23/11 | REVIEWED BY LH | FILE NAME COP3737-01 | |







- NOTES:
- 1) ND=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
 MTBE=METHYL TERT BUTYL ETHER
 GASOLINE=GASOLINE RANGE ORGANICS (C4-C12)
 DIESEL=DIESEL RANGE ORGANICS (C-12-C24)
 mg/kg=MILLIGRAMS PER KILOGRAM
 ug/L=MICROGRAMS PER LITER
 - 2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.
 - 3) CPT LOGS SHOWN ARE q LOGS.



LEGEND

- CPT-1 BORING NAME
- EXPLORATORY BORING
- SOIL SAMPLE LOCATION
- GROUNDWATER SAMPLE LOCATION
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- DEPTH TO STATIC GROUNDWATER
- SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (mg/kg)
- GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (ug/L)
- LOW PERMEABILITY (CLAY, SILT)
- MEDIUM PERMEABILITY (SAND, GRAVEL WITH CLAY, SILT)
- HIGH PERMEABILITY (SANDS AND GRAVELS)
- APPROXIMATE STRATIGRAPHIC BOUNDARY

(ND / ND / 570 / 5.6) 42 / ND / 880 / 280

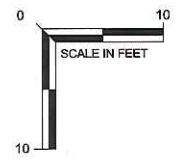
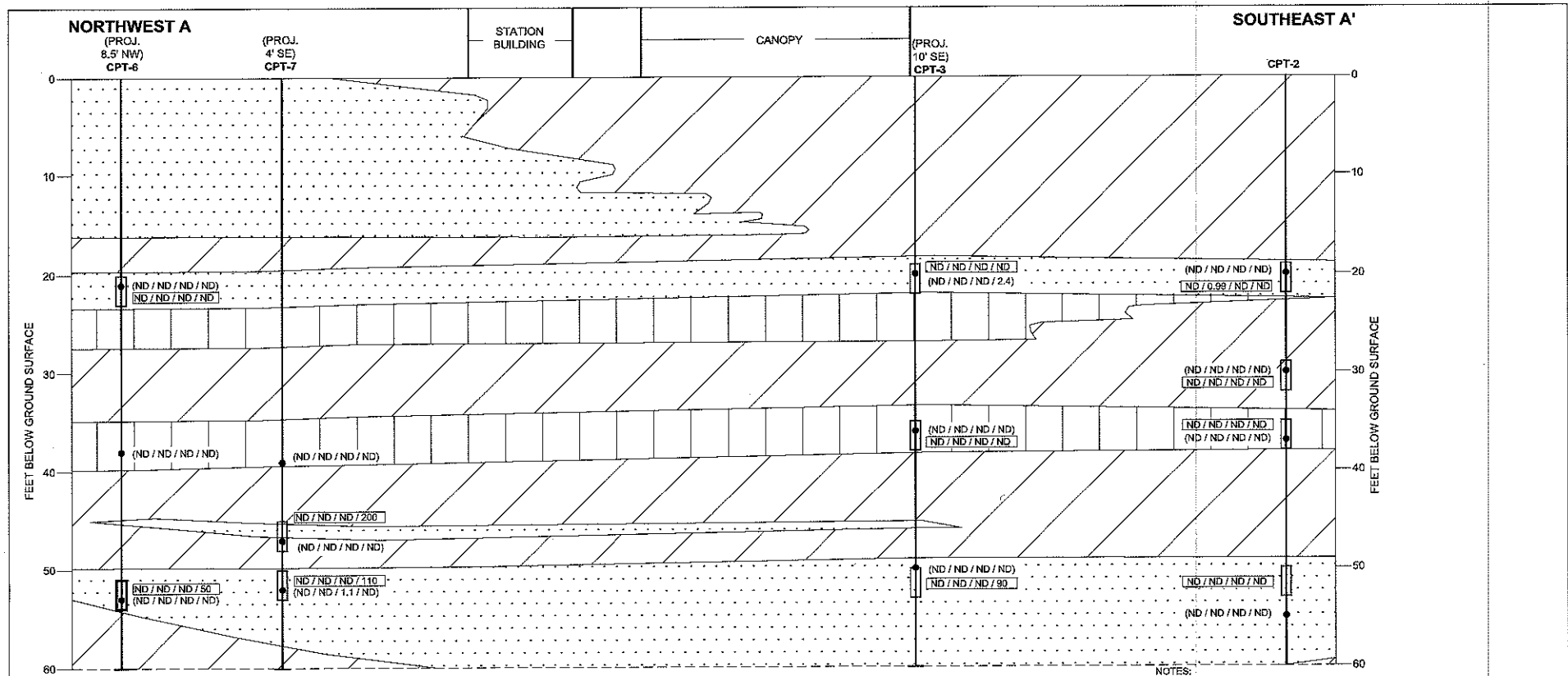


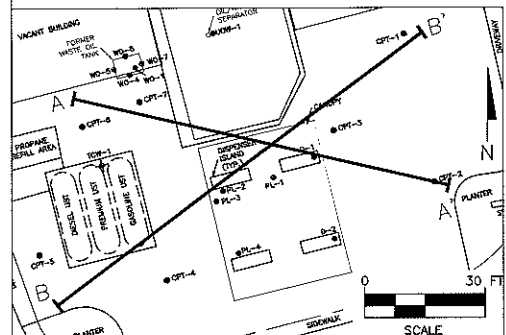
FIGURE 5a
GEOLOGIC CROSS SECTION A-A'
CPT DATA
FORMER 76 STATION #3737
1400 POWELL STREET
EMERYVILLE, CALIFORNIA

| | | |
|------------------------|-------------------|----------------------|
| PROJECT NO. C103737 | PREPARED BY AB | DRAWN BY JH |
| DATE 08/13/09 | REVIEWED BY JR | FILE NAME 76-3737 |



NOTES:

- 1) ND=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
 MTBE=METHYL TERT BUTYL ETHER
 GASOLINE=GASOLINE RANGE ORGANICS (C-4-C-12)
 DIESEL=DIESEL RANGE ORGANICS (C-12-C-24)
 mg/kg=MILLIGRAMS PER KILOGRAM
 ug/L=MICROGRAMS PER LITER
- 2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.
- 3) GROUNDWATER SAMPLES FOR SOIL BORINGS TAKEN ON DRILLING DATE.



LEGEND

CPT-1

BORING NAME

EXPLORATORY BORING

SOIL SAMPLE LOCATION

GROUNDWATER SAMPLE LOCATION

DEPTH TO FIRST ENCOUNTERED GROUNDWATER

DEPTH TO STATIC GROUNDWATER

SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (mg/kg)

GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (ug/L)

LOW PERMEABILITY (CLAY, SILT)

MEDIUM PERMEABILITY (SAND, GRAVEL WITH CLAY, SILT)

HIGH PERMEABILITY (SANDS AND GRAVELS)

APPROXIMATE STRATIGRAPHIC BOUNDARY

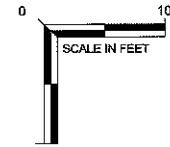
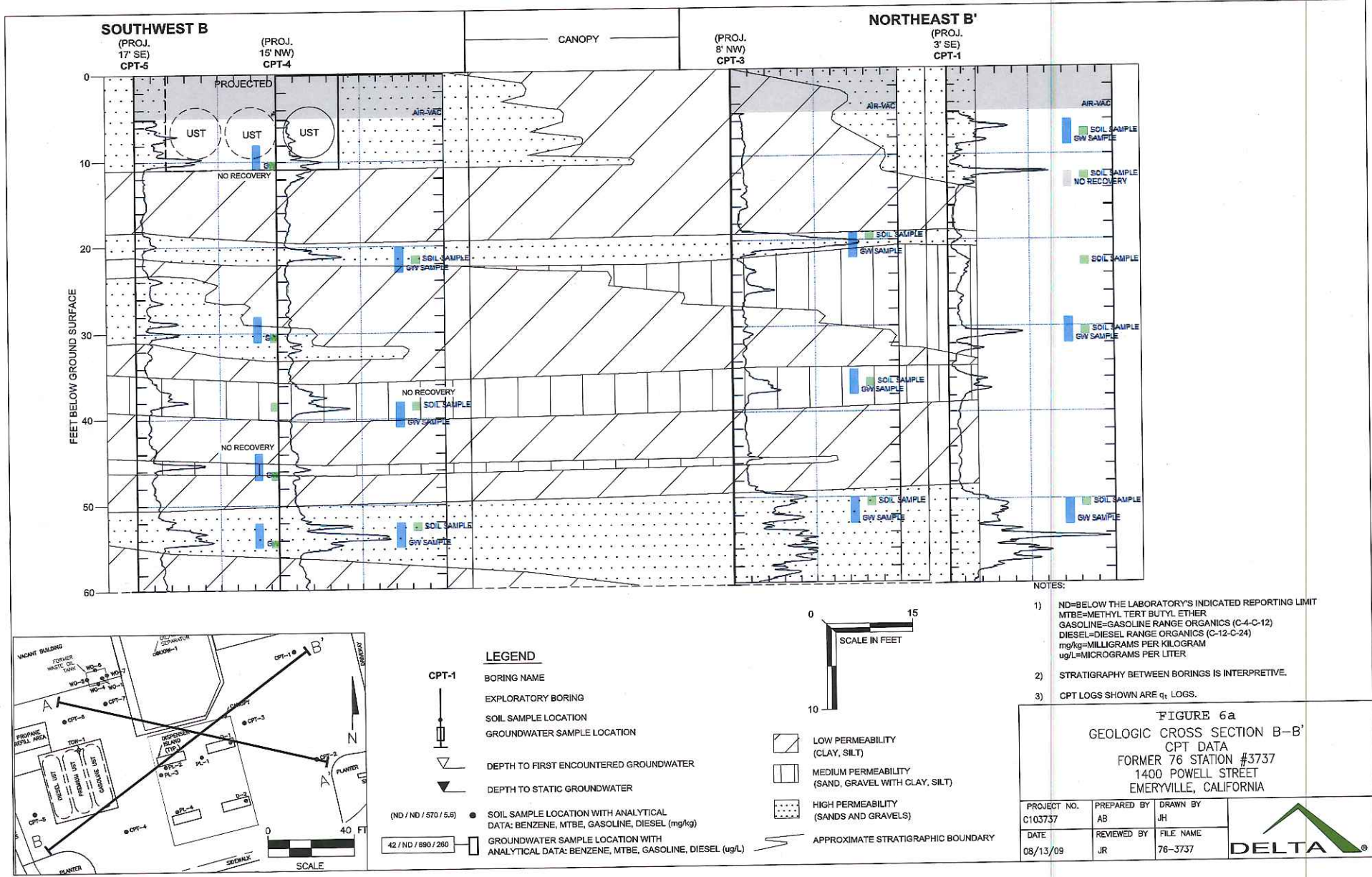


FIGURE 5b
 GEOLOGIC CROSS SECTION A-A'
 ANALYTICAL DATA
 FORMER 76 STATION #3737
 1400 POWELL STREET
 EMERYVILLE, CALIFORNIA

| | | |
|------------------------|-------------------|----------------------|
| PROJECT NO. C103737 | PREPARED BY AB | DRAWN BY JH |
| DATE 08/13/09 | REVIEWED BY JR | FILE NAME 76-3737 |





SOUTHWEST B

(PROJ. 17' SE) CPT-5
(PROJ. 15' NW) CPT-4

NORTHEAST B'

(PROJ. 8' NW) CPT-3
(PROJ. 3' SE) CPT-1

FEET BELOW GROUND SURFACE

NOTES:

- 1) ND=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
MTBE=METHYL TERT BUTYL ETHER
GASOLINE=GASOLINE RANGE ORGANICS (C-4-C-12)
DIESEL=DIESEL RANGE ORGANICS (C-12-C-24)
mg/kg=MILLIGRAMS PER KILOGRAM
ug/L=MICROGRAMS PER LITER
- 2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.
- 3) CPT LOGS SHOWN ARE q_t LOGS.

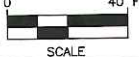
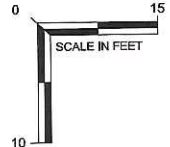
FIGURE 6a
GEOLOGIC CROSS SECTION B-B'
CPT DATA
FORMER 76 STATION #3737
1400 POWELL STREET
EMERYVILLE, CALIFORNIA

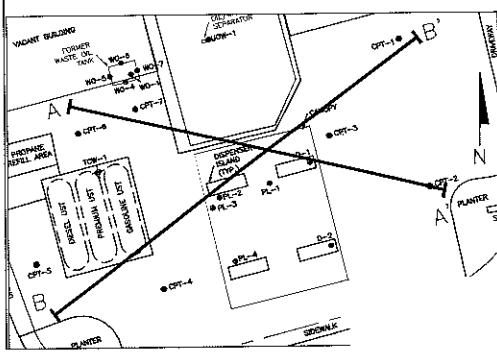
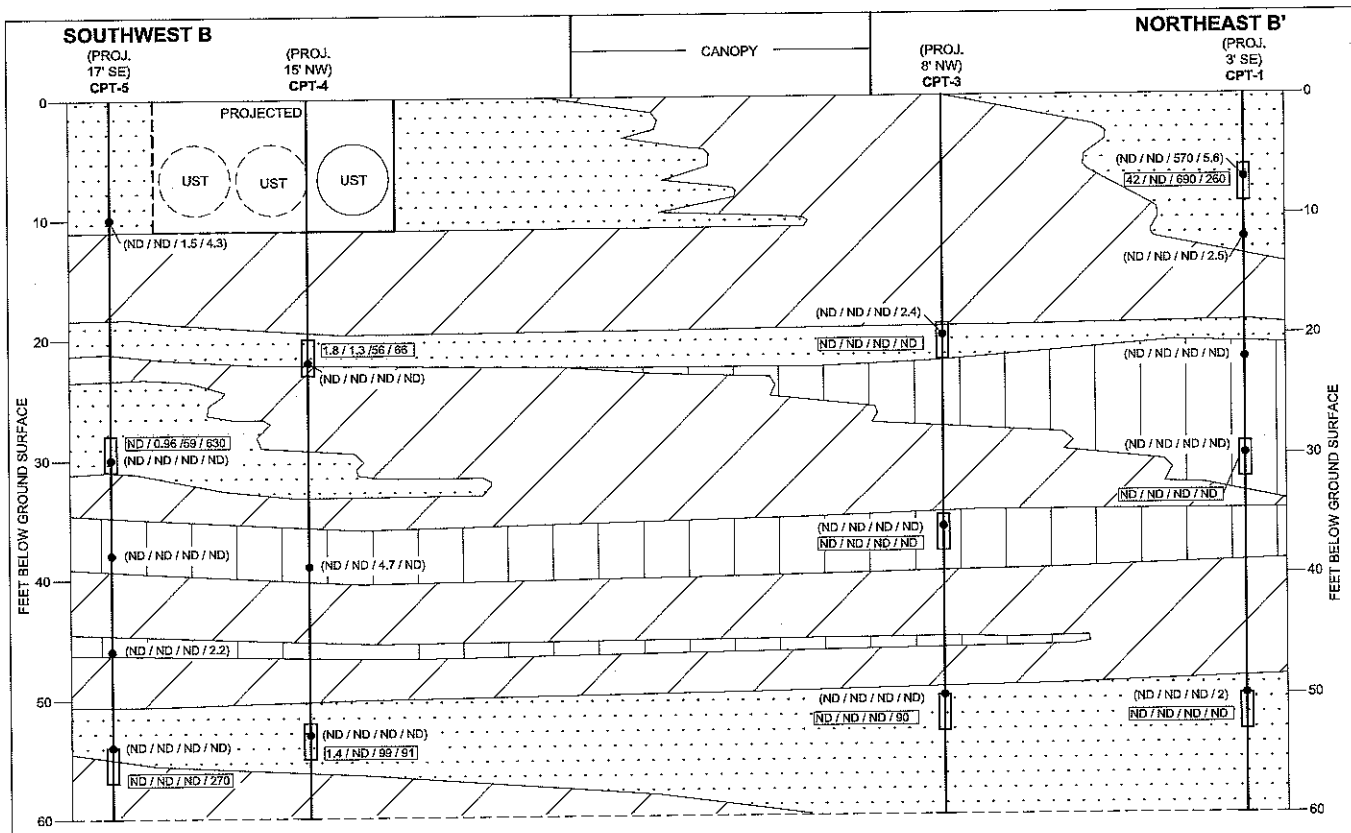
| | | |
|------------------------|-------------------|----------------------|
| PROJECT NO. C103737 | PREPARED BY AB | DRAWN BY JH |
| DATE 08/13/09 | REVIEWED BY JR | FILE NAME 76-3737 |



LEGEND

- CPT-1 BORING NAME
- EXPLORATORY BORING
- SOIL SAMPLE LOCATION
- GROUNDWATER SAMPLE LOCATION
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- DEPTH TO STATIC GROUNDWATER
- (ND / ND / 570 / 5.5) SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (mg/kg)
- 42 / ND / 890 / 280 GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (ug/L)
- LOW PERMEABILITY (CLAY, SILT)
- MEDIUM PERMEABILITY (SAND, GRAVEL WITH CLAY, SILT)
- HIGH PERMEABILITY (SANDS AND GRAVELS)
- APPROXIMATE STRATIGRAPHIC BOUNDARY





LEGEND

- BORING NAME
- EXPLORATORY BORING
- SOIL SAMPLE LOCATION
- GROUNDWATER SAMPLE LOCATION
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- DEPTH TO STATIC GROUNDWATER
- SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (mg/kg)
- GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: BENZENE, MTBE, GASOLINE, DIESEL (ug/L)
- LOW PERMEABILITY (CLAY, SILT)
- MEDIUM PERMEABILITY (SAND, GRAVEL WITH CLAY, SILT)
- HIGH PERMEABILITY (SANDS AND GRAVELS)
- APPROXIMATE STRATIGRAPHIC BOUNDARY

- NOTES:
- 1) ND=BELOW THE LABORATORY'S INDICATED REPORTING LIMIT
MTBE=METHYL TERT BUTYL ETHER
GASOLINE=GASOLINE RANGE ORGANICS (C-4-C-12)
DIESEL=DIESEL RANGE ORGANICS (C-12-C-24)
mg/kg=MILLIGRAMS PER KILOGRAM
ug/L=MICROGRAMS PER LITER
 - 2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.
 - 3) GROUNDWATER SAMPLES FOR SOIL BORINGS TAKEN ON DRILLING DATE.

FIGURE 6b
GEOLOGIC CROSS SECTION B-B'
ANALYTICAL DATA
FORMER 76 STATION #3737
1400 POWELL STREET
EMERYVILLE, CALIFORNIA

| | | |
|------------------------|-------------------|----------------------|
| PROJECT NO. C103737 | PREPARED BY AB | DRAWN BY JH |
| DATE 08/13/09 | REVIEWED BY JR | FILE NAME 76-3737 |