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Jennifer C. Sedlachek
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ExxonMobil
Refining & Supply

July 31, 2006

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: Fuel Leak Investigation Site No. RO0002635
Former Exxon RAS #7-4121, 10605 Foothill Boulevard, Oakland, California

Dear Mr. Chan:

Attached for your review and comment is a copy of the *Subsurface Investigation and Risk Assessment Report* dated July 2006 for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of a subsurface investigation and risk assessment performed for the site in support of case closure.

Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached report is true and correct.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: ETIC Subsurface Investigation and Risk Assessment Report dated July 2006

c: w/ attachment:
Mr. Ken Phares - MacArthur Boulevard Associates, Oakland, California
Mr. Peter McIntyre - AEI Consultants

c: w/o attachment:
Ms. Christa Marting - ETIC Engineering, Inc.

Subsurface Investigation and Risk Assessment Report

Former Exxon Retail Site 7-4121
10605 Foothill Boulevard
Oakland, California

Prepared for

ExxonMobil Oil Corporation
4096 Piedmont Avenue #194
Oakland, California 94611

Prepared by

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Sherris Prall
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July 31, 2006
Date

PROFESSIONAL GEOLOGIST
BRYAN CAMPBELL
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Senior Geologist

7/31/06
Date

July 2006

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Former Exxon Retail Site 7-4121

SITE CONTACTS

Station Number:	Former Exxon Retail Site 7-4121
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1. INTRODUCTION

At the request of ExxonMobil Oil Corporation (ExxonMobil), ETIC Engineering, Inc. (ETIC) has prepared this Subsurface Investigation and Risk Assessment Report for former Exxon Retail Site (RS) 7-4121, located at 10605 Foothill Boulevard, Oakland, California (Figure 1).

In a letter dated 27 July 2005, the Alameda County Health Care Services Agency (ACHCSA) requested the performance of a conduit study including a well search, a characterization of the local hydrogeology and groundwater flow conditions, and the collection of additional soil and groundwater samples for further onsite delineation of soil and groundwater impacts. The ACHCSA also supported the performance of a human health risk assessment recommended by ETIC in the Subsurface Investigation Report dated July 2005 (ETIC 2005a) in preparation for case closure. A Risk Assessment Work Plan dated August 2005 addressing these items was submitted to the ACHSA (ETIC 2005b). The work plan was approved by the ACHCSA in a letter dated 6 September 2005.

As a result of telephone and electronic correspondence between ETIC and the ACHCSA between 6 September 2005 and 28 April 2006, additional soil borings for the collection of soil, groundwater, and soil vapor samples were added to the scope of work presented in the Risk Assessment Work Plan, and the locations of some of the proposed borings were altered. An extension for the submission of this report was granted by the ACHCSA in electronic correspondence dated 14 February 2006 and 13 June 2006. Copies of regulatory correspondence are included Appendix A.

Scope of Work

The investigation consisted of the following activities:

- On 26 and 27 April 2006, soil borings SB14 through SB20 and V1 through V10 were cleared for the presence of underground utilities using either an air-knife and vacuum rig or a hand auger to a depth of 4 feet below ground surface (bgs). Soil samples were collected at either 2.5 or 3 feet bgs from borings SB14 through SB20 and were analyzed for moisture content, specific gravity, and porosity. Borings SB14 through SB20 were backfilled with native soil while borings intended for shallow soil vapor sampling (V1 through V10) were backfilled with hydrated granular bentonite.

- On 1 May 2006, ETIC observed the advancement of direct-push soil borings V1 through V10 for the collection of shallow soil vapor samples. Due to the tightness of clay present at shallow depths beneath the site, soil vapor samples could only be drawn from borings V1, V3, V6, V7, V9, and V10. The soil vapor samples were analyzed onsite in a mobile laboratory for Total Petroleum Hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE). The samples were also analyzed for 1,1-difluoroethane, which was used as a quality control tracer during the sampling process.

- On 2 and 3 May 2006, ETIC observed the advancement of direct-push soil borings SB14 through SB21 for the collection of soil and groundwater samples. Prior to advancement,

boring SB21 was cleared for the presence of underground utilities to a depth of 8 feet bgs using a hand auger. Soil and groundwater samples collected from the borings were analyzed for Total Petroleum Hydrocarbons as diesel (TPH-d), TPH-g, BTEX, MTBE, 1,2-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCA), di-isopropyl ether (DIPE), tert-butyl alcohol (TBA), tert-amyl methyl ether (TAME), and ethyl tert-butyl ether (ETBE).

- On 3 May 2006, soil samples were collected at depths between 5 and 10 feet bgs from direct-push soil borings advanced immediately adjacent to the borings from which soil vapor could not be drawn (V3, V4, V5, and V8). An additional boring was not advanced adjacent to boring V2 due to the close proximity of shallow soil samples collected from soil borings SB14 through SB16. The borings were advanced within the holes cleared on 26 and 27 April 2006. The soil samples were analyzed for TPH-d, TPH-g, BTEX, MTBE, EDB, 1,2-DCA, DIPE, TBA, TAME, and ETBE.

- An additional file review, a conduit study including a well search, and a human health risk assessment were also completed.

2. SITE BACKGROUND

2.1 SITE LOCATION, HISTORY, AND LAND USE

Former Exxon RS 7-4121 is currently a small landscaped area located at 10605 Foothill Boulevard, Oakland, California, on the south corner of the intersection of Foothill Boulevard and 106th Avenue (Figure 2). The site lies at an elevation of approximately 85 feet above mean sea level (msl). The property is currently owned by MacArthur Boulevard Associates and has a shopping center and a residential area nearby. According to internal Exxon Company, U.S.A. correspondence, the underground storage tanks (USTs) were removed from the site between 20 October 1981 and 15 June 1982. Site physical features and soil boring locations are presented on Figure 2. An aerial photograph of the site and vicinity is presented on Figure 3.

According to the property owner, a commercial retail structure is currently proposed for the north corner of the site. The remainder of the site will consist of paved areas.

2.2 SUMMARY OF PREVIOUS INVESTIGATIONS

In December 1998, AEI performed a geophysical survey (magnetometry and ground-penetrating radar) to ascertain the presence of USTs at the site (AEI 2004). No underground anomalies indicative of remaining USTs were identified (AEI 2004). Also, an ACHCSA letter dated 22 March 2005 indicated that the UST system was removed from the site prior to December 1998.

In March 2004, AEI conducted a subsurface investigation at the site in order to collect soil and grab groundwater samples (AEI 2004). Four soil borings (SB-1 through SB-4) were advanced to depths of 8 feet bgs (SB-3 and SB-4), 16 feet bgs (SB-1), and 22 feet bgs (SB-2) (AEI 2004). TPH-g was detected in soil samples at concentrations up to 1,000 milligrams per kilogram (mg/kg), TPH-d was detected up to 590 mg/kg, benzene was detected in one soil sample (SB-1) at 0.55 mg/kg, and MTBE was not detected above laboratory reporting limits in any of the soil samples. TPH-g and TPH-d were detected in groundwater samples at concentrations up to 7,000 micrograms per liter (µg/L) and 26,000 µg/L, respectively. Benzene was detected in groundwater samples at concentrations up to 250 µg/L, and MTBE was not detected above the laboratory reporting limit of 17 µg/L in any of the groundwater samples. Soil and groundwater analytical results are provided in Tables 1 and 2.

In May 2005, ETIC conducted a subsurface investigation at the site to collect soil and groundwater samples (ETIC 2005a). Nine soil borings (SB5-SB13) were advanced to approximately 25 feet bgs (Figure 2). TPH-g was detected in soil samples at concentrations up to 279 mg/kg, TPH-d was detected up to 10.6 mg/kg, benzene was detected up to 1.58 mg/kg, and MTBE was not detected above laboratory reporting limits in any of the soil samples. TPH-g and TPH-d were detected in groundwater samples at concentrations up to 2,250 µg/L and 801 µg/L, respectively. Benzene was detected in groundwater samples at concentrations up to 75.7 µg/L, and MTBE was detected in the groundwater samples at concentrations up to 14.2 µg/L. Soil and groundwater analytical results are provided in Tables 1 and 2.

2.3 AGENCY FILE REVIEW

An initial file review was conducted for the site and is presented in detail in the ETIC Subsurface Investigation Report dated July 2005 (ETIC 2005a). As requested by the ACHCSA in a letter dated 6 September 2005, aerial photos and Sanborn maps were reviewed and an additional file review was conducted in order to supplement the information obtained during the initial file review. Copies of regulatory correspondence are included in Appendix A.

Aerial Photographs

Aerial photos of the site for the years 1939, 1946, 1958, 1965, 1982, 1993, and 1998 were provided by Environmental Data Resources (EDR) (EDR 2005). Aerial photos from 1939, 1946, and 1958 show the property as being either a field or a vacant, grassy lot. The 1965 aerial photo shows a building and what appear to be dispenser islands. In the 1982, 1993, and 1998 aerial photos the building and dispenser islands are no longer visible on the site. Historical aerial photos are included as Appendix B. A current aerial photo of the site is provided as Figure 3.

Sanborn Maps

Sanborn Maps were provided by EDR (EDR 2005). Sanborn Maps are fire insurance maps that describe the historical property use. Sanborn Maps for the years 1926, 1949, 1952, 1959, 1960, and 1961 show the property as a vacant lot. Sanborn Maps for 1965, 1968, and 1969 show a building labeled "gas and oil." The Sanborn Maps for 1965, 1968, and 1969 are provided in Appendix C as requested by the ACHCSA.

Additional File Reviews

On 9 February 2006 an additional file review was conducted at the ACHCSA offices. Information was also obtained through the use of the GeoTracker online database which is maintained by the State Water Resources Control Board. The reviews were conducted to provide more information on the environmental conditions for six nearby sites which were identified in the report by EDR (EDR 2005). These sites were listed in one or more of the following databases: Cortese; Notify 65; Leaking Underground Storage Tank (LUST); Underground Storage Tank (UST); Facility Inventory Database (CA FID); Historical UST (HIST UST); and State or Local ASTM Supplemental (CA SLIC). These sites are listed below:

- Southland Project — 10501 Foothill Blvd.
- USA Service Station No. 57 — 10700 Macarthur Blvd.
- ARCO Service Station #0276 — 10600 Macarthur Blvd.
- Shell #13-5676 — 230 Macarthur Blvd.
- Kaiser Permanente Medical Center — 280 Macarthur Blvd.
- Macarthur Auto Service Center — 10511 Macarthur Blvd.

The information obtained from the file review conducted at the ACHCSA office included one report which was a Site Conceptual Model prepared for USA Service Station No. 57 (Stratus 2005).

Information regarding the remaining sites was obtained from GeoTracker. Shell #13-5676 is an active service station located approximately 8 miles northwest of former Exxon RS 7-4121. Due to the distance of the Shell #13-5676 site to the former Exxon RS 7-4121 site, the environmental conditions at the Shell #13-5676 site were not considered for this review. With the exception of Macarthur Auto Service Center all of the sites above are listed in GeoTracker. Limited information was available for the Southland Project and Kaiser Permanente Medical Center. Information regarding the two remaining sites is summarized below.

Former USA Station No. 57

The USA Station No. 57 site is listed in the LUFT database and is located approximately 200 feet southeast of former Exxon RS 7-4121 on the eastern corner of the Foothills Square Shopping Center and lies at an elevation of approximately 80 feet above msl.

A Site Conceptual Model prepared for USA Gasoline Corporation by Stratus obtained from the file review conducted at the ACHCSA describes the site geology as interbedded strata of clay, silt, sand, and gravel overlying weathered, fractured silty sandstone, siltstone, claystone, and chert (Stratus 2005).

A Quarterly Groundwater Monitoring Report, Fourth Quarter 2005, obtained from GeoTracker indicates the existence of 12 groundwater monitoring wells (Stratus 2006). Groundwater flow direction and hydraulic gradient at the site were reported as south at a gradient of 0.17 foot/foot for fourth quarter 2005. Depth to water at the site has historically ranged between 7 and 21 feet bgs. This report is provided in Appendix D.

Arco Service Station #0276

The Arco Service Station #0276 site is listed in the LUFT database and is located approximately 1,100 feet southwest of former Exxon RS 7-4121 at the corner of 106th Avenue and Macarthur Boulevard and lies at an elevation of approximately 60 feet above msl.

A Fourth Quarter 2005 Groundwater Monitoring Report submitted to GeoTracker indicates the existence of 10 groundwater monitoring wells (URS 2005). Groundwater flow direction and hydraulic gradient at the site were reported as southwest at a gradient of 0.005 foot/foot for fourth quarter 2005. Depth to water at the site has historically ranged between approximately 14 and 46 feet bgs. This report is provided in Appendix E.

2.4 REGIONAL GEOLOGY AND HYDROGEOLOGY

The site is located within the Coast Range Geomorphic Province on the eastern side of San Francisco Bay near the base of the western flank of the Diablo Range. The site is located approximately 1,000 feet west of the Hayward Fault Zone through which traces of the Hayward Fault have been mapped. The site is underlain by Jurassic-age volcanic and highly altered volcanic rock. Bedrock mapped near the site includes the Coast Range ophiolite which consists of basalts, diabase, and gabbro (Braymer 2000). Immediately west of the site are Holocene age alluvial fan and fluvial deposits

which are mostly confined to narrow drainage valleys in the immediate area and spread out toward the west on the San Francisco Bay plain. The site is at an elevation of approximately 85 feet and the local topography slopes to the west toward San Francisco Bay (Figure 1).

The nearest surface water body to the site is San Leandro Creek, located approximately 2,500 feet south of the site.

2.5 CHARACTERIZATION OF LOCAL GEOLOGY, HYDROGEOLOGY, AND GROUNDWATER FLOW CONDITIONS

The geology and hydrogeology of the site have been evaluated using the boring logs from this investigation and previous site investigations, and information obtained from reports from nearby sites. The majority of the native soils encountered during investigations at the site generally consist of silty to sandy clay with some clayey silt from ground surface to between 17 and 19 feet bgs. The clay is underlain by a layer of silty to clayey sand approximately 4 feet thick, which is underlain by sand and gravelly sand to 25 feet bgs, the total depth explored. The site lies at an elevation of approximately 85 feet above msl.

Generally, depth to groundwater at the former Exxon RS 7-4121 site is first encountered between approximately 18 and 20.5 feet bgs and stabilizes between approximately 11-15 feet bgs.

Former USA Station No. 57 and Arco Service Station #0276 Sites

A geologic cross-section for the former USA Station No. 57 site shows interbedded clay, silt, clayey sand, silty sand, and sandy to clayey gravel from approximately 55 to 80 feet below msl, underlain by highly fractured bedrock (Stratus 2005). This site is located approximately 200 feet southeast of former Exxon RS 7-4121 on the eastern corner of the Foothills Square Shopping Center and lies at an elevation of approximately 80 feet above msl. No information on the geology underlying the Arco Service Station #0276 site was available.

Recent information for both the former USA Station No. 57 and Arco Service Station #0276 sites shows groundwater flow directions and hydraulic gradients to the south at 0.17 foot/foot (Stratus 2006) and to the southwest at 0.005 foot/foot (URS 2005), respectively. The depth to water for both sites has historically ranged between 7 and 21 feet bgs and 14 and 46 feet bgs, respectively.

3. SUBSURFACE INVESTIGATION

Between 26 April 2006 and 3 May 2006, ETIC observed the advancement of soil borings SB14 through SB21 and V1 through V10. The locations of borings SB14 through SB21 were selected for additional characterization of potential soil and groundwater impacts. The locations of borings V1 through V10 were selected for the collection of soil vapor samples to evaluate potential human health risks.

An advisory published by the Department of Toxic Substances Control and the Los Angeles Regional Water Quality Control Board (DTSC/LARWQCB 2003) was used as a guideline for the collection of the shallow soil vapor samples.

A permit to advance the soil borings was obtained from the Alameda County Public Works Agency. An Excavation Permit and an Obstruction Permit were obtained from the City of Oakland Community and Economic Development Agency for the advancement of soil boring SB21 in the public right-of-way. Copies of permits are included in Appendix F. The locations of the soil borings are shown on Figure 2.

3.1 ADVANCEMENT OF SOIL BORINGS AND SOIL SAMPLING

Soil borings SB14 through SB20 and V1 through V10 were cleared to a depth of 4 feet bgs by Cascade Drilling, Inc. of Rancho Cordova, California (C57 license #717510) with a hand auger or an air-knife and vacuum rig to ensure that there were no obstructions near the potential path of the direct-push equipment. Boring SB21 was cleared to a depth of 8 feet bgs using a hand auger by TEG Northern California, Inc. of Rancho Cordova, California (C57 license #7065658).

Borings SB14 through SB16 were advanced by Vironex of San Leandro, California (C57 license #705927) using a limited access direct-push rig. Borings SB17 through SB21 and V1 through V10 were advanced by TEG using a truck mounted direct-push rig. In boring V2, the soil vapor probe was advanced using a hand held Makita Rotohammer.

In borings SB14 through SB21 and in borings V3, V4, V5, and V8 where soil vapor could not be drawn (see Section 3.3), continuous soil samples were collected from the base of the cleared hole to the total depth of the borings unless there was no recovery. Soil samples were collected using the single-tube direct-push method. Sampling rods were attached to a stainless steel sample barrel containing a 4-foot or 5-foot acetate sample liner and were driven into undisturbed soil. After driving the rod 4 or 5 feet, the rods and sample barrel were withdrawn from the borehole and the sample sleeve was removed. Borings SB14 through SB21 were advanced to a total depth of 25 feet bgs, borings V4, V5, and V8 were advanced to a total depth of 8 feet bgs, and boring V3 was advanced to a total depth of 10 feet bgs.

All samples were examined for soil characteristics and screened in the field with a photo-ionization detector (PID) to determine the relative hydrocarbon content. The soils are described and the PID readings are recorded on the soil boring logs presented in Appendix G. Selected soil samples were sealed with Teflon tape, capped, labeled, placed in a cooler with ice, and submitted to a state-certified laboratory for analysis. Borings were logged and selected soil samples were collected from

each boring for laboratory analysis. Field methods and procedures are described in the protocols, presented in Appendix H.

Upon removal of sampling equipment, each boring was grouted with neat cement grout.

3.2 GROUNDWATER SAMPLE COLLECTION

Groundwater samples were collected from borings SB14 through SB21 on the same day that the borings were advanced. The borings were advanced to 25 feet bgs. A temporary ¾-inch polyvinyl chloride (PVC) slotted screen was placed in the boring and a sample was collected using factory-cleaned tubing with a check valve or a factory-cleaned disposable bailer.

Groundwater samples were poured into 40-ml glass volatile organic analysis vials and 1-liter glass amber bottles, which were labeled and placed in an ice-filled cooler for delivery to a state-certified laboratory for chemical analysis. Groundwater sample collection protocols are described in Appendix H.

3.3 ADVANCEMENT OF SOIL VAPOR BORINGS AND SOIL VAPOR SAMPLE COLLECTION

As proposed in the work plan, the collection of one soil vapor sample from soil between 5 and 10 feet bgs at locations V1, V2, and V4 through V9 and the collection of two soil vapor samples at approximately 5 and 10 feet bgs from boring locations V3 and V10 was planned. In the event that soil vapor samples could not be drawn from any of these borings, the collection of soil samples was proposed.

During this investigation, soil vapor samples were collected from locations V1, V6, V7, and V9, the shallower depth in V3, and both depths in V10. In locations where soil vapor could not be drawn (with the exception of V2), direct-push soil borings were advanced within the same cleared borehole immediately adjacent to the initial soil vapor sampling location and shallow soil samples were collected between 5 and 10 feet bgs. An additional boring was not advanced adjacent to boring V2 due to the proximity of shallow soil samples collected from soil borings SB14 through SB16. Soil sampling procedures at these locations are described in Section 3.1 and in Appendix H.

Soil vapor samples were attempted from borings V1 through V10 by TEG with 1-inch outer diameter, 4-foot long chrom-moly steel soil vapor probes equipped a steel drop off tip. Inert tubing was inserted into the soil vapor probes and attached to the vapor sampling port. Once the probe was driven to the desired depth and slightly retracted to open the drop off tip the sampling port was exposed. At least 20 minutes was allowed for equilibration.

A purge volume test was conducted at boring V1 by collecting vapor samples after purging 1, 3, and 7 casing volumes of vapor using a syringe connected to the valve on the tubing. The vapor samples were analyzed by a state-certified mobile laboratory operated by TEG. Based on the results of this sampling, the sample collected after purging 7 casing volumes had the highest concentrations and, therefore, 7 casing volumes were determined to be the preferred purge volume for remaining samples to be collected at the site.

The remaining vapor sample attempts were conducted using a syringe connected to a valve on the tubing. To ensure air-tight connections between the tubing, sampling port, valves, and other connections, 1,1-difluoroethane was applied to joints as a tracer. A leak would be evident if the tracer were detected in the onsite analysis of the soil vapor samples. TEG's soil vapor collection procedures are described in "Soil Vapor Survey Methodology, DTSC Protocols" provided in Appendix H.

3.4 SITE SURVEY

On 16 May 2006, boring locations and site features were surveyed by Morrow Surveying, a licensed land surveyor. The surveyor's report is provided in Appendix I.

3.5 WASTE CONTAINMENT AND DISPOSAL

The soil generated during field activities was collected in five 55-gallon drums and temporarily stored on the site. Soil samples were collected from the drums, submitted to Sequoia Analytical/ TestAmerica Incorporated (Sequoia Analytical/Test America) in Morgan Hill, California, a state-certified laboratory. The samples were composited by the laboratory and analyzed for TPH-g, BTEX, and total lead to characterize the soil for proper disposal. The laboratory analytical report and chain-of-custody documentation are included in Appendix J. Five drums of soil were removed from the site on 9 June 2006 and transported to an ExxonMobil-approved facility for disposal.

4. RESULTS

4.1 SITE GEOLOGY AND HYDROGEOLOGY

The geology and hydrogeology of the site have been evaluated using the boring logs from this investigation and previous site investigations. The majority of the native soils encountered during drilling generally consist of silty to sandy clay with some clayey silt from ground surface to between 17 and 19 feet bgs. The clay is underlain by a layer of silty to clayey sand approximately 4 feet thick, which is underlain by sand and gravelly sand to 25 feet bgs, the total depth explored. Detailed soil descriptions are presented on the soil boring logs in Appendix G. Geologic cross-sections are included in this report as Figures 4, 5, and 6.

Generally, depth to groundwater at the site is first encountered between approximately 18 and 20.5 feet bgs and stabilizes between approximately 11 and 15 feet bgs.

4.2 SOIL SAMPLE ANALYTICAL METHODS AND RESULTS

Selected soil samples collected from borings SB14 through SB21, V3, V4, V5, and V8 were submitted to Sequoia Analytical/TestAmerica and analyzed for TPH-g and TPH-d by EPA Method 8015B, for BTEX by EPA Method 8021B, and for MTBE, EDB, 1,2-DCA, DIPE, TBA, TAME, and ETBE by EPA Method 8260B. Analytical results are summarized in Table 1 and on Figure 7. The laboratory analytical reports and chain-of-custody documentation for soil samples are included in Appendix J.

- TPH-g was detected at a maximum concentration of 2,700 mg/kg in boring SB20 (19.5-20 feet bgs). TPH-g was not detected above laboratory reporting limits in borings SB21, V3, V4, and V8.

- TPH-d was detected at a maximum concentration of 270 mg/kg (SB20, 15-15.5 feet bgs). TPH-d was not detected above laboratory reporting limits in soil samples collected from borings V3 through V5.

- Benzene was detected at a maximum concentration of 26 mg/kg in boring SB20 (15-15.5 feet bgs). Benzene was not detected above laboratory reporting limits in borings SB14, SB15, SB18, SB19, SB21, V3, V4, V5, and V8.

- MTBE was detected at a maximum concentration of 0.012 mg/kg in boring SB21 at 18 and 19.5 feet bgs, respectively. MTBE was not detected above laboratory reporting limits in any other boring advanced at the site during this investigation.

- EDB, 1,2-DCA, DIPE, TBA, TAME, and ETBE were not detected above laboratory reporting limits.

Soil samples collected at 2.5 to 3 feet bgs from borings SB14 through SB21 were submitted to Sequoia Analytical/TestAmerica and analyzed for percent moisture, specific gravity, and porosity. Soil physical properties were analyzed for a human health risk assessment and are summarized in

Table 3. The laboratory analytical reports and chain-of-custody documentation for soil samples are included in Appendix J.

4.3 GROUNDWATER SAMPLE ANALYTICAL METHODS AND RESULTS

Groundwater samples collected from borings SB14 through SB21 were submitted to Sequoia Analytical/TestAmerica and analyzed for TPH-g and TPH-d by EPA Method 8015B, and for BTEX, MTBE, EDB, 1,2-DCA, DIPE, TBA, TAME, and ETBE by EPA Method 8260B. Analytical results are summarized in Table 2 and on Figure 8. The laboratory analytical reports and chain-of-custody documentation for groundwater samples collected during this investigation are included in Appendix J.

- TPH-g was detected at a maximum concentration of 60,800 µg/L in boring SB17.
- TPH-d was detected at a maximum concentration of 7,500 µg/L (SB17).
- Benzene was detected at a maximum concentration of 3,240 µg/L (SB20). Benzene was not detected above laboratory reporting limits in samples collected from borings SB18 and SB21.
- MTBE was detected at a maximum concentration of 83.3 µg/L. MTBE was not detected above laboratory reporting limits in any other boring.
- EDB, 1,2-DCA, DIPE, TBA, TAME, and ETBE were not detected above laboratory reporting limits.

4.4 SOIL VAPOR SAMPLE ANALYTICAL METHODS AND RESULTS

Soil vapor samples collected from borings V1, V3, V6, V7, V9, and V10 were analyzed onsite in a mobile laboratory provided by TEG. A duplicate sample was collected from boring V7 (V7 dup) as a quality control measure. The samples were analyzed for TPH-g, BTEX, MTBE, oxygen, and 1,1-difluoroethane (as a tracer) by EPA Method 8260B. TEG's analytical methodology is described in detail in the "Soil Vapor Survey Methodology, DTSC Protocols" provided in Appendix H. The analytical results for the soil gas samples are presented in Table 4 and on Figure 9. The soil vapor sample laboratory analytical report is included in Appendix J.

- TPH-g was detected at a maximum concentration of 17,000,000 µg/m^3 (V10, 10.0 feet bgs).
- Benzene was detected at a maximum concentration of 1,900 µg/m^3 (V10, 10.0 feet bgs). Benzene was not detected above laboratory limits in boring V9.
- 1,1-Difluoroethane, used as a leak tracer, was not detected during this investigation.

The results for the soil vapor samples were used as part of a human health risk assessment (Section 7).

5. CONDUIT/RECEPTOR SURVEY STUDY

A conduit study for underground utilities was conducted at and near the site. The conduit study was requested in the letter from the ACHCSA dated 27 July 2005 (Appendix A). Information regarding the utilities in the area of the intersection of 106th Avenue and Foothill Boulevard was obtained and these utilities are shown on Figure 10.

The information regarding the utilities in this area was obtained from multiple sources. Several underground utilities exist in the intersection. This conduit study focused on the major utilities in this area, which include electric lines, gas lines, sanitary sewer lines, water pipe lines, and a storm drain. Exact depths of all utility lines were not available; therefore information regarding depths is based on conversations with representatives from each utility and from information collected in the field. The following is a summary of the information obtained for the utilities surrounding the site:

- Electric and Gas Lines: Information about the locations of these lines was shown on maps obtained from Pacific Gas and Electric Company (PG&E). According to the 2004 Electric and Gas Service Requirements by PG&E, gas and electric line trenches are a minimum of 24 inches deep and trenches combined with other utilities can range up to 7.3 feet deep.

- Storm Drains: Information regarding the location of the storm drain was shown on a map obtained from the City of Oakland Building Department. The map indicates that the storm drain extends northwest and southeast along Foothill Boulevard approximately 75 feet northeast of the former Exxon RS 7-4121 property boundary at a depth of approximately 2 to 3 feet bgs.

- Sanitary Sewers: Information about the locations of these lines was shown on a map obtained from the City of Oakland Building Services Department. The measurements listed on their maps are the elevations of the sewer lines above mean sea level. The maps indicate that the depth of the sewer line centered under and parallel to 106th Avenue is approximately 9 feet bgs in the area adjacent to the northwest former Exxon RS 7-4121 property boundary. The map indicates that the depth of the sewer line approximately 25 feet northeast of the northeast 7-4121 property boundary and parallel to Foothill Boulevard is also approximately 9 feet bgs.

- Water Pipe Lines: Information about the locations of these lines was shown on a map obtained from the East Bay Municipal Utility District (EBMUD). According to the EBMUD specifications and engineering design departments, the map shows a 6-inch diameter water pipeline, approximately 2 to 3 feet bgs, under and parallel to 106th Avenue and approximately 20 feet northwest of the former Exxon site property boundary. The map also shows a 48-inch diameter water pipeline, approximately 4 to 6 feet bgs, under and parallel to Foothill Boulevard and approximately 85 feet northeast of the former Exxon site property boundary.

Information regarding onsite utilities was obtained from the results of onsite visits and utility clearance surveys conducted prior to the advancement of the soil borings. Three discontinuous subsurface lines of unknown origin and depth were identified onsite during the most recent utility clearance survey and are shown on Figure 10. A building permit survey map of the former Exxon RS 7-4121 generated by Murray & McCormick Civil Engineers, obtained from AEI Consultants, does not show the presence of these lines.

Recent information for both the Former USA Station No. 57 and Arco Service Station #0276 sites shows that the depth to water for both sites has historically ranged between 7 and 21 feet bgs and 14 and 46 feet bgs, respectively (Stratus 2005 and URS 2005). However, generally, the depth to groundwater at the former Exxon site is first encountered between approximately 18 and 20.5 feet bgs and stabilizes between approximately 11-15 feet bgs. Depth to water in temporary soil borings SB14 through SB21 advanced by ETIC on 2 and 3 May 2006 ranged from 11 to 21 feet bgs.

Although the offsite utilities near the site may intersect the depth of static groundwater, lithologic information from soil borings onsite and offsite of former Exxon RS 7-4121 indicates that high permeability, saturated soils are not encountered above approximately 17 feet bgs. As such, groundwater is not expected to intersect the utilities in the vicinity of the former Exxon RS 7-4121 site.

6. WELL SEARCH

A well search was conducted for public and private wells within a 1/2-mile radius of the site. Wells identified as monitoring wells were not included in this search. The information in this search is based on a well search report from the Alameda County Public Works Agency (ACPWA) which was received in September 2005. The report included copies of the ACPWA well database and a portion of a United States Geological Survey quadrangle map showing the well locations. Correspondence with the ACPWA revealed that the current status of the wells listed in the well search report is unknown.

Ten wells were identified within a 1/2-mile radius from the site in the information provided by the ACPWA. Of those wells, five are located within a 2,000-foot radius from the site. The well names used below were assigned by ETIC and are defined in Table 5. The locations of the wells are presented on Figure 11. A compilation of detailed information for the wells within 2,000 feet of the site is provided below:

- Well IRR1 is located approximately 1,360 feet to the east of the site. The ACPWA well search report identifies the well as an irrigation well owned by John Kidder. The well is 79 feet deep and depth to water is reported as approximately 40 feet bgs.

- Well IRR2 is located approximately 1,640 feet to the southwest of the site. The well is identified as an irrigation well owned by Mrs. Kitcher by the ACPWA well search report. The well is 58 feet deep and depth to water is reported as approximately 38 feet bgs.

- Well D7 is located approximately 1,900 feet northeast of the site. The ACPWA well search report identifies the well as a domestic well owned by A.W. Bassigian. The well is 107 feet deep and depth to water is reported as approximately 50 feet bgs.

- Well D2 is located approximately 2,000 feet northeast of the site. The well is identified as a domestic well owned by Jack Ambro by the ACPWA well search report. The well is approximately 102 feet deep and depth to water is reported as approximately 35 feet bgs.

- Well IRR3 is located approximately 2,000 feet south of the site. The ACPWA well search report identifies the well as an irrigation well owned by Jor Bramse. The well is approximately 79 feet deep and depth to water is reported as approximately 40 feet bgs.

Recent information for both the Former USA Station No. 57 and Arco Service Station #0276 sites shows groundwater flow directions to the south (Stratus 2005) and to the southwest (URS 2005), respectively. As such, wells IRR1, D2, and D7 appear to be upgradient and wells U1, IRR2, and IRR3 appear to be downgradient from the former Exxon RS 7-4121 site. Based on the distance of these wells to the former Exxon RS 7-4121 site, groundwater at these wells is not expected to be impacted by the concentrations of hydrocarbons at the site.

7. HUMAN HEALTH RISK ASSESSMENT

7.1 EXPOSURE ASSESSMENT

As previously indicated, the site is currently a small landscaped area with no onsite buildings. Redevelopment of the site with a commercial retail structure in the north corner of the site is currently proposed by the property owner. Groundwater beneath the site averages in depth from 11 to 21 feet bgs. Five public or private wells are located within a 2,000-foot radius from the site and, based on the distance of these wells from the site, groundwater at these wells is not expected to be impacted by the concentrations of hydrocarbons at the site (see Section 6). Land use downgradient of the site is residential.

Based on the above site conditions, potential exposure pathways and receptors were evaluated as follows:

Daily Site Occupants

Currently the site is a vacant lot with no occupants; therefore, direct exposure (incidental ingestion and dermal contact) to chemicals of potential concern (COPCs) in soil at the site is considered incomplete for daily site occupants. Construction of a commercial structure is proposed for the north corner of the site and a paved surface is anticipated to cover the remaining portion of the site. Should the paved surface at the site be removed in the future, then potential direct exposure to COPCs in shallow soils (0 to 10 feet bgs) may be considered complete.

Given the depth to groundwater and the absence of onsite water supply wells, direct exposure to groundwater by future onsite occupants is considered incomplete.

Due to the volatile nature of select COPCs, exposure pathways associated with emission of volatiles from soil and groundwater to indoor air may be considered complete for future onsite occupants. The indoor air exposure pathway is quantitatively evaluated using the results of the soil gas investigation conducted by ETIC in May 2006.

Construction/Maintenance Workers

Due to the presence of landscaped areas across the site, direct exposure to COPCs in soil is considered complete for maintenance workers. Future construction/maintenance workers may also be exposed to COPCs in shallow soils (0 to 10 feet bgs) during the redevelopment of the site. Given the shallow depth to groundwater, construction/maintenance workers may also be potentially exposed to COPCs in groundwater. However, the potential for exposure to groundwater by construction/maintenance workers would be addressed by a site-specific worker health and safety plan outlining necessary protective measures, including use of personal protective equipment. It is worth noting that construction/maintenance activities to depths beneath the water table will likely be preceded by dewatering activities, which will limit the potential for incidental direct exposure to groundwater by future construction/maintenance workers.

Offsite Receptors

Offsite land use in the immediate vicinity of the site is residential toward the west and commercial toward the east. Five public or private wells are located within a 2,000-foot radius from the site and, based on the distance of these wells from the site, groundwater at these wells is not expected to be impacted by the concentrations of hydrocarbons at the site (see Section 6). As such, the sole potential for exposure to COPCs at offsite locations is emission of volatiles from groundwater from the site. Therefore, groundwater to indoor air exposure pathway may be considered complete for offsite receptors. The groundwater to indoor air exposure pathway for offsite residential and commercial receptors is quantitatively evaluated using the results of the onsite soil gas investigation conducted by ETIC in May 2006.

7.2 EVALUATION OF POTENTIAL HEALTH RISKS

An evaluation of potential health risks associated with COPCs at the site and corresponding to each of the complete exposure pathways discussed above is summarized in Tables 6 and 7. The maximum concentrations of soil are compared to the Tier I Environmental Screening Levels (ESLs) developed by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB).

Direct Exposure to Soil: Table 6 summarizes a comparison of maximum historical shallow soils (0 to 10 feet bgs) concentrations versus highly conservative ESLs corresponding to direct exposure by commercial/industrial workers and future construction/trench workers. As indicated in this table, none of the COPC concentrations exceeds the relevant ESLs.

Indoor Air Exposure: A site-specific soil gas investigation was conducted by ETIC in May 2006 to provide data for an indoor air exposure risk evaluation. The samples were collected from six temporary vapor probes as shown in Figure 9. The samples were collected at a subsurface depth ranging from 5.5 to 10.0 feet bgs. The analytical results of the samples are presented in Table 4. As seen in this table, COPC concentrations of varying magnitude were detected at different sampling depths.

The SFBRWQCB Tier I ESLs for soil gas to indoor air exposure are based on sampling depths of 5 feet bgs. Due to varying COPC concentrations at different sample depths and in order to better represent the site-specific conditions, a Tier II risk evaluation was conducted using USEPA's Johnson and Ettinger Vapor Intrusion Model Soil Gas – Advanced Screen version 2004 (SG-ADV). The model SG-ADV was run using USEPA's default values for a hypothetical building and risk evaluation. The model was modified to reflect the site-specific conditions for soil type (clay) and sampling depth. The risk evaluation was conducted for residential and commercial/industrial land use. The input and output data sheets from the SG-ADV model are presented in Appendix K. The results of the risk evaluation are presented in Table 7.

As indicated in Table 7, the total cumulative carcinogenic risk for the indoor air exposure pathway approximates 3.00×10^{-6} for residential land use and 1.80×10^{-6} for commercial/industrial land use. The estimated risk for onsite indoor air exposure pathway corresponding to residential land use exceeds the acceptable risk of 1.0×10^{-6}; however, it is protective of the target acceptable risk range of 1.0×10^{-4} to 1.0×10^{-6} adopted by the USEPA and the RWQCB for commercial/industrial land

use. The total cumulative non-carcinogenic hazard for the indoor air pathway approximates 53 for residential land use and 38 for commercial/industrial land use, which exceeds the target hazard of 1.0 adopted by the USEPA and the RWQCB. As expected, more than 99 percent of the cumulative risk is due to potential exposure to benzene, and a similar percentage of the hazard is due to potential exposure to TPH-g.

8. SUMMARY AND CONCLUSIONS

Between 26 April and 3 May 2006, ETIC observed the advancement of temporary soil borings used for the collection of groundwater samples (SB14-SB21), for the collection of soil samples (SB14-SB21, V3-V5, and V8), and for the collection of soil vapor samples (V1, V3, V6, V7, V9, and V10).

Soils encountered during the drilling of the borings were generally consistent with those observed in the previous borings at the site. Clay and clayey silt are present from ground surface to approximately 17 to 18 feet bgs. The clay is underlain by silty sand to approximately 22 feet bgs, which is underlain by sand and gravelly sand to 25 feet bgs, the maximum depth explored at the site.

Selected soil samples collected from borings SB14 through SB21, V3 through V5, and V8 were analyzed for TPH-g, TPH-d, BTEX, MTBE, EDB, 1,2-DCA, DIPE, TBA, TAME, and ETBE. The maximum benzene concentration reported was 26 mg/kg in boring SB20 (15-15.5 feet bgs). TPH-g was detected at a maximum concentration of 2,700 mg/kg in boring SB20 (19.5-20 feet bgs). TPH-d was detected at a maximum concentration of 270 mg/kg in boring SB20 (15-15.5 ft bgs). MTBE was detected at concentrations of 0.0088 and 0.012 mg/kg in boring SB21 at 18 and 19.5 feet bgs, respectively.

Soil samples collected between 2.5 and 3.5 feet bgs from borings SB14 through SB21 were analyzed for dry density, percent moisture, specific gravity, and porosity. These results were analyzed for a human health risk assessment.

Groundwater samples collected from borings SB14 through SB21 were analyzed for TPH-g, TPH-d, BTEX, MTBE, EDB, 1,2-DCA, DIPE, TBA, TAME, and ETBE. Benzene was detected at a maximum concentration of 3,240 µg/L in boring SB20. TPH-g was detected at a maximum concentration of 60,800 µg/L in boring SB17. TPH-d was detected at a maximum concentration of 7,500 µg/L in boring SB17. MTBE was detected only in the groundwater sample collected from boring SB21 at a concentration of 83.3 µg/L.

Soil vapor samples were collected from borings V1, V3, V6, V7, V9, and V10. The samples were analyzed for TPH-g, BTEX, MTBE, oxygen, and 1,1-difluoroethane (as a tracer). TPH-g was detected at a maximum concentration of 17,000,000 $\mu g/m^3$ (V10, 10.0 feet bgs). Benzene was detected at a maximum concentration of 1,900 $\mu g/m^3$ (V10, 10.0 feet bgs). 1,1-Difluoroethane, used as a leak tracer, was not detected during this investigation.

Additional items were completed including additional file reviews in order to further explore local hydrogeologic conditions, a conduit study was performed, and a well search was performed. In addition, an evaluation of potential health risks associated with COPCs at the site corresponding to potential exposure pathways was completed.

Based on the results of the human health risk assessment presented in this report, the collection of additional vapor samples is proposed. The vapor sampling in this investigation was performed through the use of direct-push sampling. Soil vapor samples could not be drawn from borings V3, V4, V5, and V8 or at depth of approximately 5 feet bgs in most borings which is the depth for which the SFBRWQCB Tier I ESLs are based. The lack of vapor samples from approximately 5 feet bgs

may be due to low permeability clays at the site. In addition, the Tier II evaluation of potential health risks was based on conservative estimates. In order to more accurately assess the potential risks to onsite and offsite occupants, the collection of soil vapor samples at a depth of approximately 5 feet bgs through the installation of vapor sampling wells is planned. The scope and schedule for the collection of any additional soil vapor samples will be outlined in a work plan to be submitted to the ACHCSA.

Remedial alternatives will be reviewed and evaluated based on the results of the soil vapor investigation proposed above and will be discussed with the ACHCSA.

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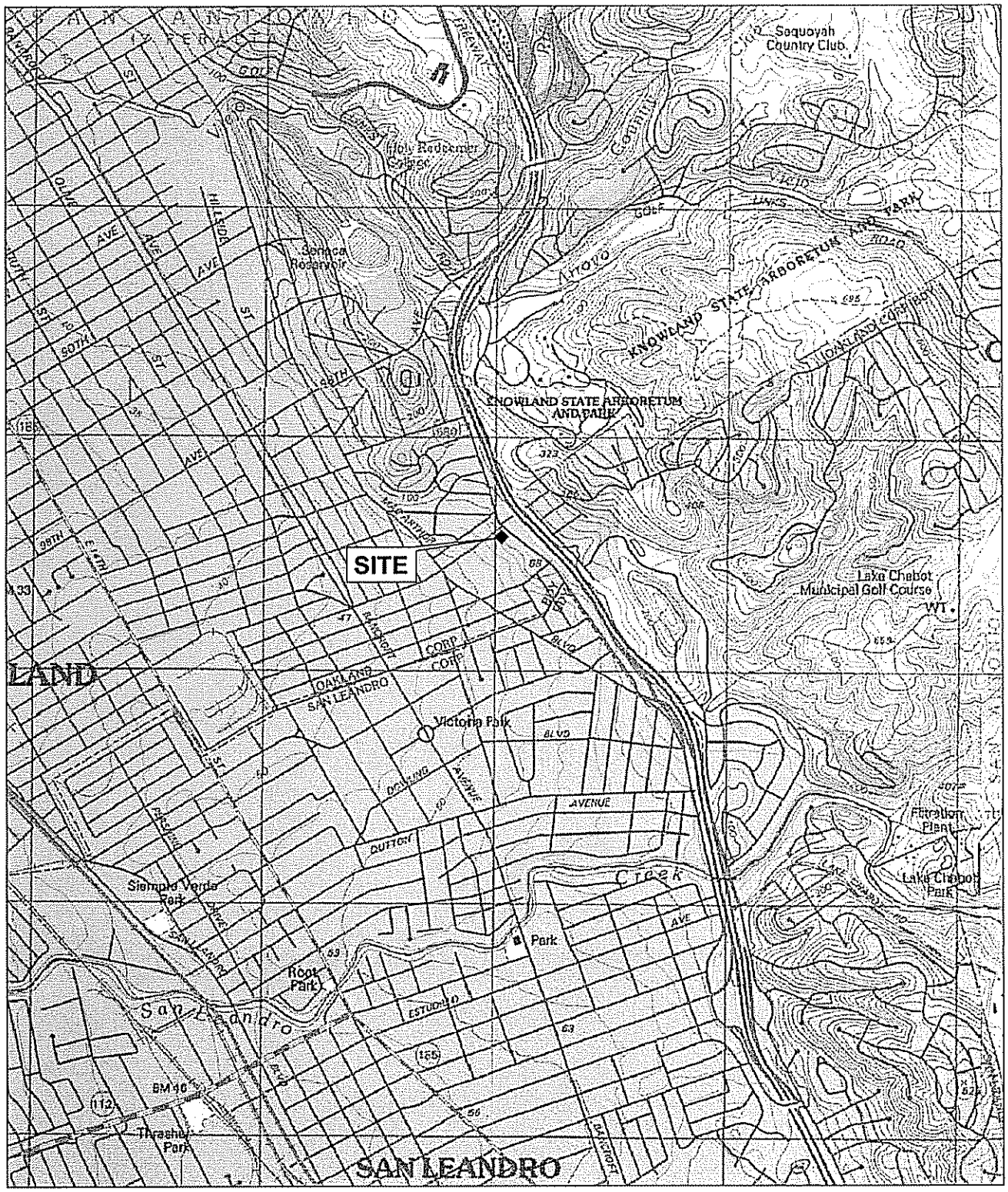
Figures



SOURCE: USGS Topographic Map

0 2000

Scale (feet)

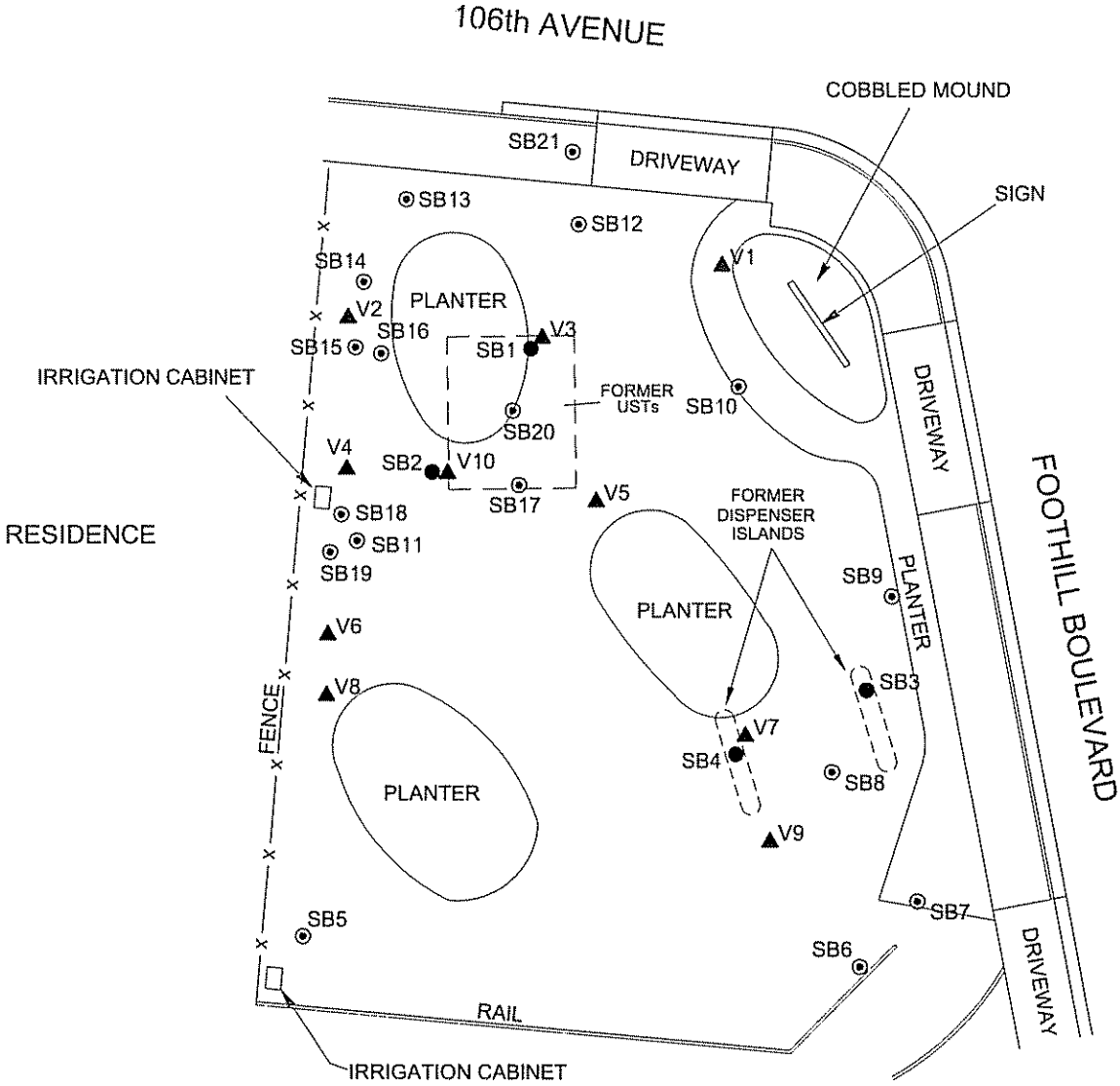
N

ETIC ENGINEERING

SITE LOCATION AND TOPOGRAPHIC MAP
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE:
1

FILENAME: TOPO0405.DWG 04/15/05



LEGEND

- ● Soil Boring (Installed by AEI 3/19/04)
- ⊙ Direct Push Soil Boring (Installed by ETIC)
- ▲ Soil Vapor Probe

Basemap Source: Morrow Surveying. 2006

N

0 30

Scale (feet)

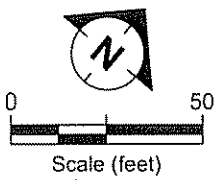
FILENAME: site0606.DWG 05/20/06

ETIC ENGINEERING

SITE PLAN
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE:
2

Photo Source: Terraserver USA

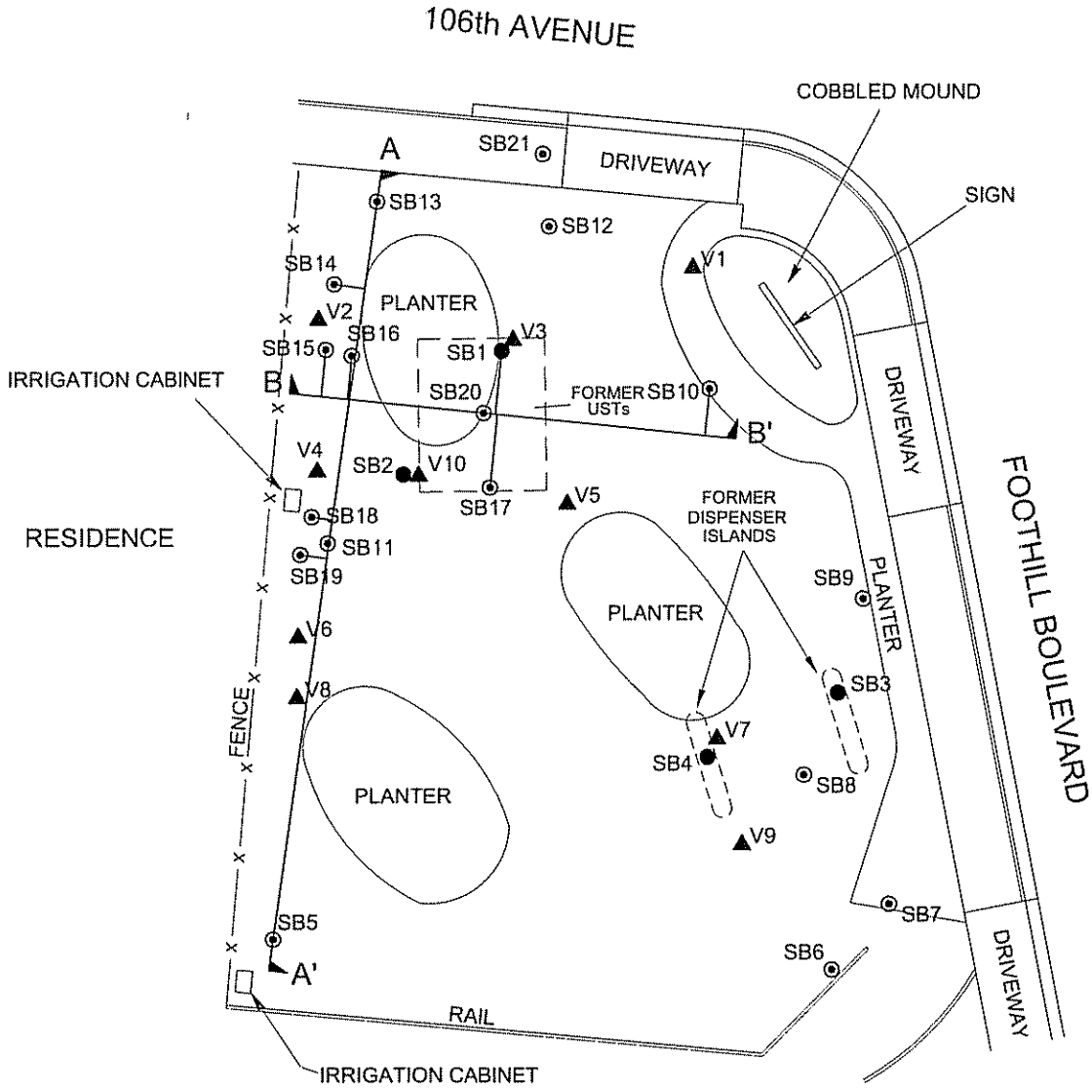


ETIC ENGINEERING

AERIAL PHOTOGRAPH OF SITE AND VICINITY
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: 3

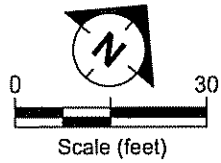
FILENAME: SITE0705.DWG 07/13/05



LEGEND

- ● Soil Boring (Installed by AEI 3/19/04)
- ⊙ Direct Push Soil Boring (Installed by ETIC)
- ▲ Soil Vapor Probe

Basemap Source: Morrow Surveying. 2006

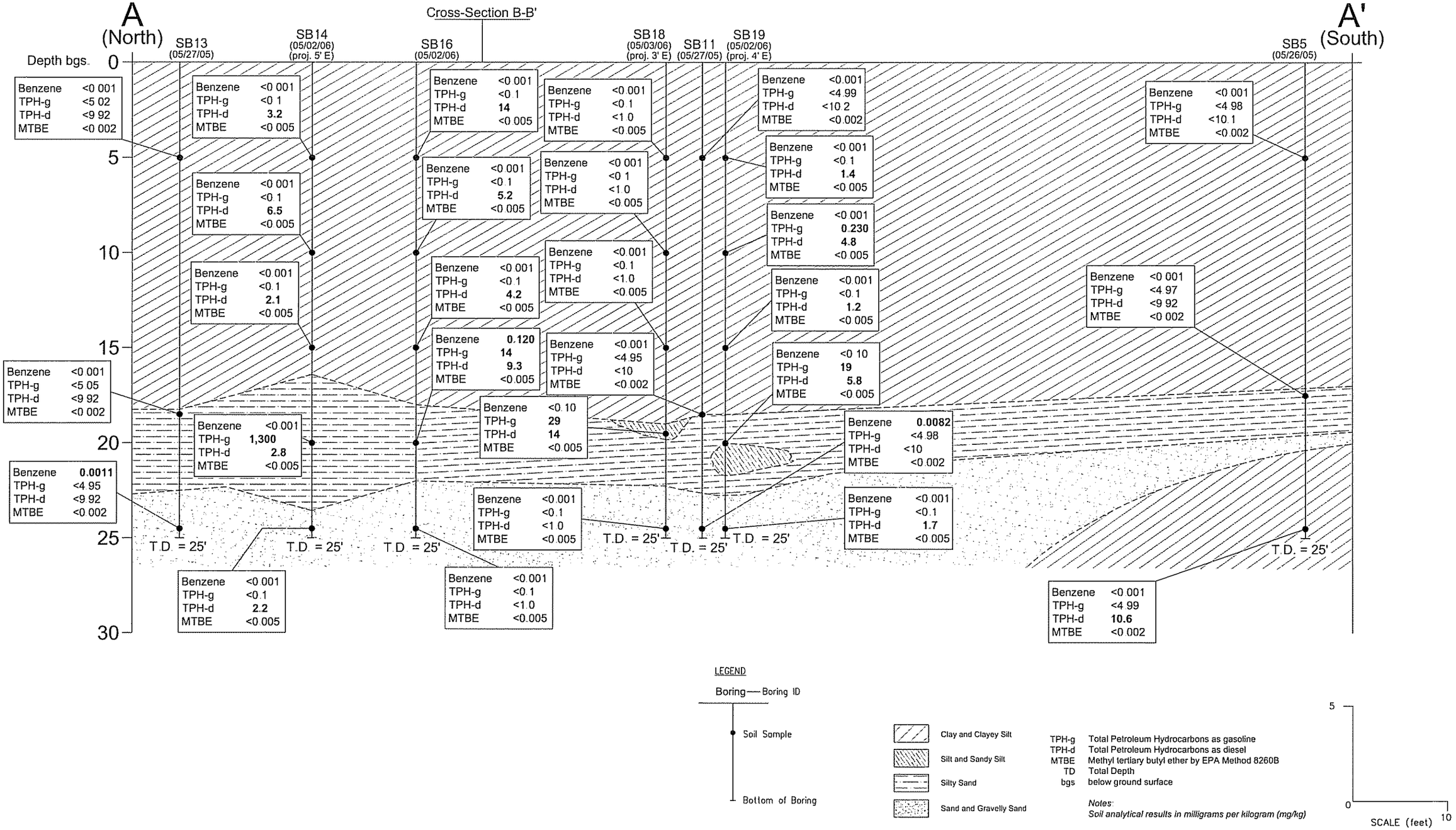


ETIC ENGINEERING

SITE PLAN SHOWING LINES OF CROSS-SECTION
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: 4

FILENAME: SECTIONS0706.DWG 07/25/2006



FILENAME: SECTIONSD706.DWG 07/25/2006

ETIC ENGINEERING

CROSS-SECTION A-A'
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE:
5

B (West)

B' (East)

Cross-Section A-A'

Depth bgs

0

5

10

15

20

25

30

SB15 (05/02/06) (proj. 7.5' S)

SB16 (05/02/06) (proj. 7' S)

SB-1 (03/19/04) (proj 10' S)

SB20 (05/26/05)

SB17 (05/02/06) (proj 12' N)

SB10 (05/26/05) (proj. 7.5' S)

Benzene	<0.001
TPH-g	<0.1
TPH-d	**3.1**
MTBE	<0.005

Benzene	<0.001
TPH-g	<0.1
TPH-d	**14**
MTBE	<0.005

Benzene	<0.001
TPH-g	<0.1
TPH-d	**18**
MTBE	<0.005

Benzene	<0.001
TPH-g	<0.1
TPH-d	**5.2**
MTBE	<0.005

Benzene	<0.001
TPH-g	<0.1
TPH-d	**14**
MTBE	<0.005

Benzene	<0.01
TPH-g	**38**
TPH-d	**260**
MTBE	<0.12

Benzene	<0.001
TPH-g	<5.01
TPH-d	<9.92
MTBE	<0.002

Benzene	**0.58**
TPH-g	**76**
TPH-d	**98**
MTBE	<0.051

Benzene	**0.55**
TPH-g	**1,000**
TPH-d	**590**
MTBE	<2.5

Benzene	<0.001
TPH-g	<0.1
TPH-d	**8.7**
MTBE	<0.005

Benzene	<0.001
TPH-g	<0.1
TPH-d	**4.2**
MTBE	<0.005

Benzene	<0.001
TPH-g	<5.03
TPH-d	<10
MTBE	<0.002

Benzene	**26**
TPH-g	**1,300**
TPH-d	**270**
MTBE	<0.12

Benzene	<0.001
TPH-g	**0.160**
TPH-d	**2.5**
MTBE	<0.005

Benzene	**0.120**
TPH-g	**14**
TPH-d	**9.3**
MTBE	<0.005

Benzene	**0.018**
TPH-g	**0.700**
TPH-d	**3.5**
MTBE	<0.005

T.D. = 16'

Benzene	**20**
TPH-g	**2,700**
TPH-d	**250**
MTBE	<2.5

Benzene	**3.2**
TPH-g	**320**
TPH-d	**18**
MTBE	<1.2

Benzene	<0.001
TPH-g	<5.01
TPH-d	<10
MTBE	<0.002

Benzene	<0.001
TPH-g	**0.270**
TPH-d	**1.3**
MTBE	<0.005

T.D. = 25'

T.D. = 25'

Benzene	<0.001
TPH-g	<0.1
TPH-d	<1.0
MTBE	<0.005

T.D. = 25'

Benzene	**0.013**
TPH-g	**0.610**
TPH-d	**7.0**
MTBE	<0.005

T.D. = 25'

Benzene	<0.001
TPH-g	<0.1
TPH-d	**1.1**
MTBE	<0.005

T.D. = 25'

LEGEND

Boring—Boring ID

Soil Sample

Approximate Extent of Former USTs

Bottom of Boring

Clay and Clayey Silt

Silt and Sandy Silt

Silty Sand

Sand and Gravelly Sand

TPH-g Total Petroleum Hydrocarbons as gasoline
TPH-d Total Petroleum Hydrocarbons as diesel
MTBE Methyl tertiary butyl ether by EPA Method 8260B
TD Total Depth
bgs below ground surface

Notes:
Soil analytical results in milligrams per kilogram (mg/kg)

5 0 5
SCALE (feet)

ETIC ENGINEERING

CROSS-SECTION B-B'
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: 6

FILENAME: SECTIONSD705.DWG 07/25/2006

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/02/06	5-5 5	<0 001	<0 1	14	<0 005
05/02/06	10-10 5	<0 001	<0 1	5 2	<0 005
05/02/06	15-15 5	<0 001	<0 1	4.2	<0 005
05/02/06	20-20 5	0 120	14	9 3	<0 005
05/02/06	24.5-25	<0.001	<0.1	<1.0	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/27/05	5-5 5	<0 001	<5 02	<9 92	<0 002
05/27/05	18 5-19	<0 001	<5 05	<9 92	<0 002
05/27/05	24.5-25	0.0011	<4.95	<9.92	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
03/19/04	5	<0.005	<1.0	<1.0	<0.05

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/02/06	8-8 5	<0 001	<0 1	1 4	<0 005
05/02/06	13-13 5	<0 001	<0 1	<1 0	<0 005
05/02/06	18-18 5	<0 001	<0 1	1.7	0.0088
05/02/06	19 5-20	<0 001	<1	2 4	0.012
05/02/06	23-23 5	<0 001	<0 1	<1 0	<0 005
05/02/06	24.5-25	<0.001	<0.1	<1.0	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/27/05	5-5 5	<0 001	<4 97	<10	<0 002
05/27/05	16 5-17	<0 001	<5 05	<9 88	<0 002
05/27/05	25.5-26	<0.001	<4.98	<9.96	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/03/06	9.5-10	<0.001	<0.1	<1.0	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/02/06	5-5 5	<0 001	<0 1	3 2	<0 005
05/02/06	10-10 5	<0 001	<0 1	6 5	<0 005
05/02/06	15-15 5	<0 001	<0 1	2 1	<0 005
05/02/06	20-20 5	<0.001	1.300	2 8	<0 005
05/02/06	24.5-25	<0.001	<0.1	2.2	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/02/06	5 5-6	<0 001	<0 1	14	<0 005
05/02/06	10-10 5	0.58	76	98	<0 051
05/02/06	15-15 5	26	1,300	270	<0 12
05/02/06	19 5-20	20	2.700	250	<2 5
05/02/06	23.5-24	0.013	0.610	7.0	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/02/06	5-5 5	<0 001	<0 1	3 1	<0 005
05/02/06	15-15 5	<0 001	<0 1	8 7	<0 005
05/02/06	20-20 5	<0 001	0 160	2 5	<0 005
05/02/06	24.5-25	<0.001	0.270	1.3	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/27/05	5-5 5	<0 001	<5 01	<9 92	<0 002
05/27/05	17 5-18	<0 001	<5 03	<10	<0 002
05/27/05	24.5-25	<0.001	<5.01	<10	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
03/19/04	18	<0.05	65	37	<0.5

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/03/06	5-5 5	<0 001	<0 1	<1 0	<0 005
05/03/06	7.5-8	<0.001	<0.1	<1.0	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/03/06	5-5 5	<0 001	<0 1	<1 0	<0 005
05/03/06	7.5-8	<0.001	0.240	<1.0	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/27/05	5-5 5	<0 001	<5 02	<9 80	<0 002
05/27/05	18-18 5	<0 001	<5	<10	<0 002
05/27/05	19 5-20	<0 001	<4 96	<10	<0 002
05/27/05	24.5-25	1.58	279	<9.88	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/03/06	5-5 5	<0 001	<0 1	<1 0	<0 005
05/03/06	10-10 5	<0 001	<0 1	<1 0	<0 005
05/03/06	15-15 5	<0 001	<0 1	<1 0	<0 005
05/03/06	19 5-20	<0 10	29	14	<0 005
05/03/06	24.5-25	<0.001	<0.1	<1.0	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/27/05	5-5 5	<0 001	<4 99	<10 2	<0 002
05/27/05	18 5-19	<0 001	<4 95	<10	<0 002
05/27/05	24.5-25	0.0082	<4.98	<10	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
03/19/04	5	<0.005	<1.0	<1.0	<0.05

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/26/05	5-5 5	<0 001	<4 97	<9 92	<0 002
05/26/05	17 5-18	0.0010	<4 96	<9 92	<0 002
05/26/05	21 5-22	0.0307	11.2	<10	<0 002
05/26/05	24.5-25	0.0414	10.2	<10	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/02/06	5-5 5	<0 001	<0 1	1.4	<0 005
05/02/06	10-10 5	<0 001	0 230	4 8	<0 005
05/02/06	15-15 5	<0 001	<0 1	1.2	<0 005
05/02/06	20-20 5	<0 10	19	5.8	<0 005
05/02/06	24.5-25	<0.001	<0.1	1.7	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/03/06	5-5 5	<0 001	<0 1	<1 0	<0 005
05/03/06	7.5-8	<0.001	<0.1	1.0	<0.005

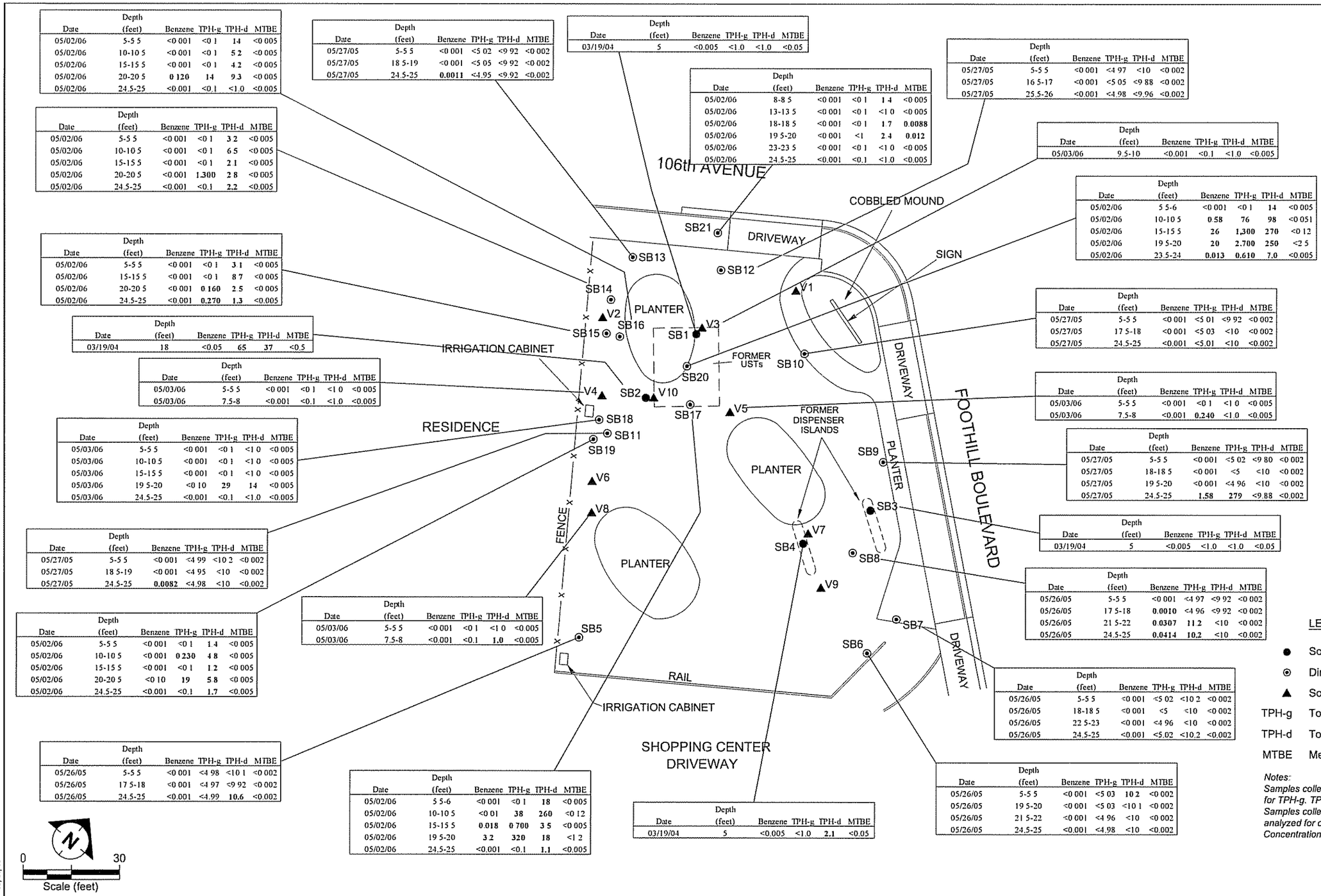
Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/26/05	5-5 5	<0 001	<5 02	<10 2	<0 002
05/26/05	18-18 5	<0 001	<5	<10	<0 002
05/26/05	22 5-23	<0 001	<4 96	<10	<0 002
05/26/05	24.5-25	<0.001	<5.02	<10.2	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/26/05	5-5 5	<0 001	<4 98	<10 1	<0 002
05/26/05	17 5-18	<0 001	<4 97	<9 92	<0 002
05/26/05	24.5-25	<0.001	<4.99	10.6	<0.002

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/02/06	5 5-6	<0 001	<0 1	18	<0 005
05/02/06	10-10 5	<0 01	38	260	<0 12
05/02/06	15-15 5	0.018	0 700	3 5	<0 005
05/02/06	19 5-20	3 2	320	18	<1 2
05/02/06	24.5-25	<0.001	<0.1	1.1	<0.005

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
03/19/04	5	<0.005	<1.0	2.1	<0.05

Date	Depth (feet)	Benzene	TPH-g	TPH-d	MTBE
05/26/05	5-5 5	<0 001	<5 03	10 2	<0 002
05/26/05	19 5-20	<0 001	<5 03	<10 1	<0 002
05/26/05	21 5-22	<0 001	<4 96	<10	<0 002
05/26/05	24.5-25	<0.001	<4.98	<10	<0.002



LEGEND

- ● Soil Boring (Installed by AEI 3/19/04)
- ⊙ Direct Push Soil Boring (Installed by ETIC)
- ▲ Soil Vapor Probe
- TPH-g Total Petroleum Hydrocarbons as gasoline
- TPH-d Total Petroleum Hydrocarbons as diesel
- MTBE Methyl Tertiary Butyl Ether

Notes:
Samples collected from SB-1 through SB21 were analyzed for TPH-g. TPH-d. BTEX, and MTBE.
Samples collected from SB14 through SB21 were also analyzed for other Volatile Organic Compounds
Concentrations in milligrams per kilogram (mg/kg)

Basemap Source: Morrow Surveying. 2006

ETIC ENGINEERING

SITE PLAN SHOWING SOIL ANALYTICAL RESULTS
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: **7**

FILENAME: 2q2006.DWG 05/31/06

5/2/06 Depth(ft. bgs): 20	
Benzene	1.89
Toluene	<0 500
Ethylbenzene	102
Total Xylenes	5.56
TPH-g	2,340
TPH-d	820
MTBE	<0.500
VOCs	ND

5/2/06 Depth(ft. bgs): 20	
Benzene	30.3
Toluene	0.820
Ethylbenzene	410
Total Xylenes	11.3
TPH-g	5,940
TPH-d	1,700
MTBE	<0.500
VOCs	ND

5/27/05 Depth(ft. bgs): 20	
Benzene	<0 5
Toluene	<0 5
Ethylbenzene	0 6
Total Xylenes	<0 5
TPH-g	447
TPH-d	121
MTBE	14 2

5/2/06 Depth(ft. bgs): 22	
Benzene	<0 500
Toluene	<0 500
Ethylbenzene	<0 500
Total Xylenes	<0 500
TPH-g	1,390
TPH-d	440
MTBE	83.3
VOCs	ND

5/27/05 Depth(ft. bgs): 20	
Benzene	<0 5
Toluene	0.5
Ethylbenzene	1 0
Total Xylenes	<0 5
TPH-g	1,060
TPH-d	305
MTBE	4.30

3/19/04 Depth(ft. bgs): 13.3-16	
Benzene	250
Toluene	22
Ethylbenzene	310
Total Xylenes	71
TPH-g	3,200
TPH-d	4,200
MTBE	<17

5/27/05 Depth(ft. bgs): 20	
Benzene	<0 5
Toluene	<0 5
Ethylbenzene	<0 5
Total Xylenes	0.7
TPH-g	54.5
TPH-d	<50
MTBE	<0 5

5/2/06 Depth(ft. bgs): 20	
Benzene	18.4
Toluene	<0 500
Ethylbenzene	42.6
Total Xylenes	4.16
TPH-g	831
TPH-d	440
MTBE	<0 500
VOCs	ND

3/19/04 Depth(ft. bgs): 14-22	
Benzene	17
Toluene	24
Ethylbenzene	68
Total Xylenes	21
TPH-g	7,000
TPH-d	26,000
MTBE	<17

5/2/06 Depth(ft. bgs): 20	
Benzene	3,240
Toluene	53.2
Ethylbenzene	3,670
Total Xylenes	4,170
TPH-g	41,800
TPH-d	4,300
MTBE	<0.500
VOCs	ND

5/27/05 Depth(ft. bgs): 20	
Benzene	<0 5
Toluene	<0 5
Ethylbenzene	<0 5
Total Xylenes	<0 5
TPH-g	<50
TPH-d	<50
MTBE	<0 5

5/3/06 Depth(ft. bgs): 20	
Benzene	<25 0
Toluene	<25 0
Ethylbenzene	159
Total Xylenes	<25 0
TPH-g	10,100
TPH-d	1,700
MTBE	<25 0
VOCs	ND

5/26/05 Depth(ft. bgs): 18	
Benzene	75.7
Toluene	0.5
Ethylbenzene	4.7
Total Xylenes	4.7
TPH-g	824
TPH-d	801
MTBE	<0 5

5/27/05 Depth(ft. bgs): 20	
Benzene	<0.5
Toluene	<0 5
Ethylbenzene	1.9
Total Xylenes	0.5
TPH-g	2,250
TPH-d	701
MTBE	<0 5

5/26/05 Depth(ft. bgs): 19	
Benzene	<0 5
Toluene	<0 5
Ethylbenzene	<0 5
Total Xylenes	<0 5
TPH-g	<50
TPH-d	57
MTBE	<0 5

5/2/06 Depth(ft. bgs): 20	
Benzene	4.19
Toluene	<0 500
Ethylbenzene	5.78
Total Xylenes	6.29
TPH-g	3,100
TPH-d	720
MTBE	<0 500
VOCs	ND

5/26/05 Depth(ft. bgs): 20	
Benzene	<0 5
Toluene	<0 5
Ethylbenzene	<0 5
Total Xylenes	<0 5
TPH-g	<50
TPH-d	341
MTBE	<0 5

5/2/06 Depth(ft. bgs): 20	
Benzene	2,140
Toluene	1,400
Ethylbenzene	4,690
Total Xylenes	11,100
TPH-g	60,800
TPH-d	7,500
MTBE	<25 0
VOCs	ND

5/26/05 Depth(ft. bgs): 22	
Benzene	<0 5
Toluene	<0 5
Ethylbenzene	<0 5
Total Xylenes	<0 5
TPH-g	<50
TPH-d	<56
MTBE	<0 5

106th AVENUE
COBBLED MOUND
SIGN
DRIVEWAY
PLANTER
IRRIGATION CABINET
FORMER USTs
FORMER DISPENSER ISLANDS
RESIDENCE
FOOTHILL BOULEVARD
FENCE
RAIL
IRRIGATION CABINET
SHOPPING CENTER DRIVEWAY
SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11 SB12 SB13 SB14 SB15 SB16 SB17 SB18 SB19 SB20 SB21
V1 V2 V3 V4 V5 V6 V7 V8 V9 V10

0 30
Scale (feet)

LEGEND

- ● Soil Boring (Installed by AEI 3/19/04)
- ⊙ Direct Push Soil Boring (Installed by ETIC)
- ▲ Soil Vapor Probe
- TPH-g Total Petroleum Hydrocarbons as gasoline
- TPH-d Total Petroleum Hydrocarbons as diesel
- MTBE Methyl Tertiary Butyl Ether
- VOCs Volatile Organic Compounds (other then MTBE)
- ND Not Detected

Notes:
Concentrations in Micrograms per Liter (ug/L)

Basemap Source: Morrow Surveying. 2006

FILENAME: 2q2005.DWG 05/31/06

ETIC ENGINEERING

SITE PLAN SHOWING GROUNDWATER ANALYTICAL RESULTS
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: 8

Depth (feet bgs)	Date	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TPH-g	MTBE
5.5	05/01/06	**120**	**160**	**140**	<100	<100	**110,000**	<100

Depth (feet bgs)	Date	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TPH-g	MTBE
5.5	05/01/06	**200**	<100	<100	<100	<100	**790,000**	<100

Depth (feet bgs)	Date	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TPH-g	MTBE
8.0	05/01/06	**1,100**	**130**	**340**	**180**	<100	**6,600,000**	<100
10.0	05/01/06	**1,900**	<100	<100	<100	<100	**17,000,000**	<100

Depth (feet bgs)	Date	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TPH-g	MTBE
7.0	05/01/06	**170**	<100	**540**	**410**	<100	**880,000**	<100

Depth (feet bgs)	Date	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TPH-g	MTBE
7.5	05/01/06	**84**	**140**	<100	**110**	<100	**2,200**	<100
7.5 dup	05/01/06	<80	**110**	<100	<100	<100	**2,400**	<100

Depth (feet bgs)	Date	Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TPH-g	MTBE
7.5	05/01/06	<80	<100	<100	<100	<100	**360,000**	<100

106th AVENUE
COBBLED MOUND
SIGN
SB21
DRIVEWAY
SB13
SB12
V1
SB14
V2
PLANTER
SB16
V3
SB15
SB1
IRRIGATION CABINET
FORMER USTs
SB10
SB20
V4
SB2
V10
SB17
V5
RESIDENCE
SB18
SB11
SB19
FORMER DISPENSER ISLANDS
SB9
PLANTER
PLANTER
V6
SB3
V8
FENCE
V7
SB4
SB8
PLANTER
V9
SB5
SB7
SB6
DRIVEWAY
RAIL
IRRIGATION CABINET
SHOPPING CENTER DRIVEWAY
FOOTHILL BOULEVARD

LEGEND

- ● Soil Boring (Installed by AEI 3/19/04)
- ⊙ Direct Push Soil Boring (Installed by ETIC)
- ▲ Soil Vapor Probe
- TPH-g Total Petroleum Hydrocarbons as gasoline
- TPH-d Total Petroleum Hydrocarbons as diesel
- MTBE Methyl Tertiary Butyl Ether
- dup Duplicate

Notes:
Concentrations in Micrograms per cubic meter (ug/m3)

N
30
Scale (feet)

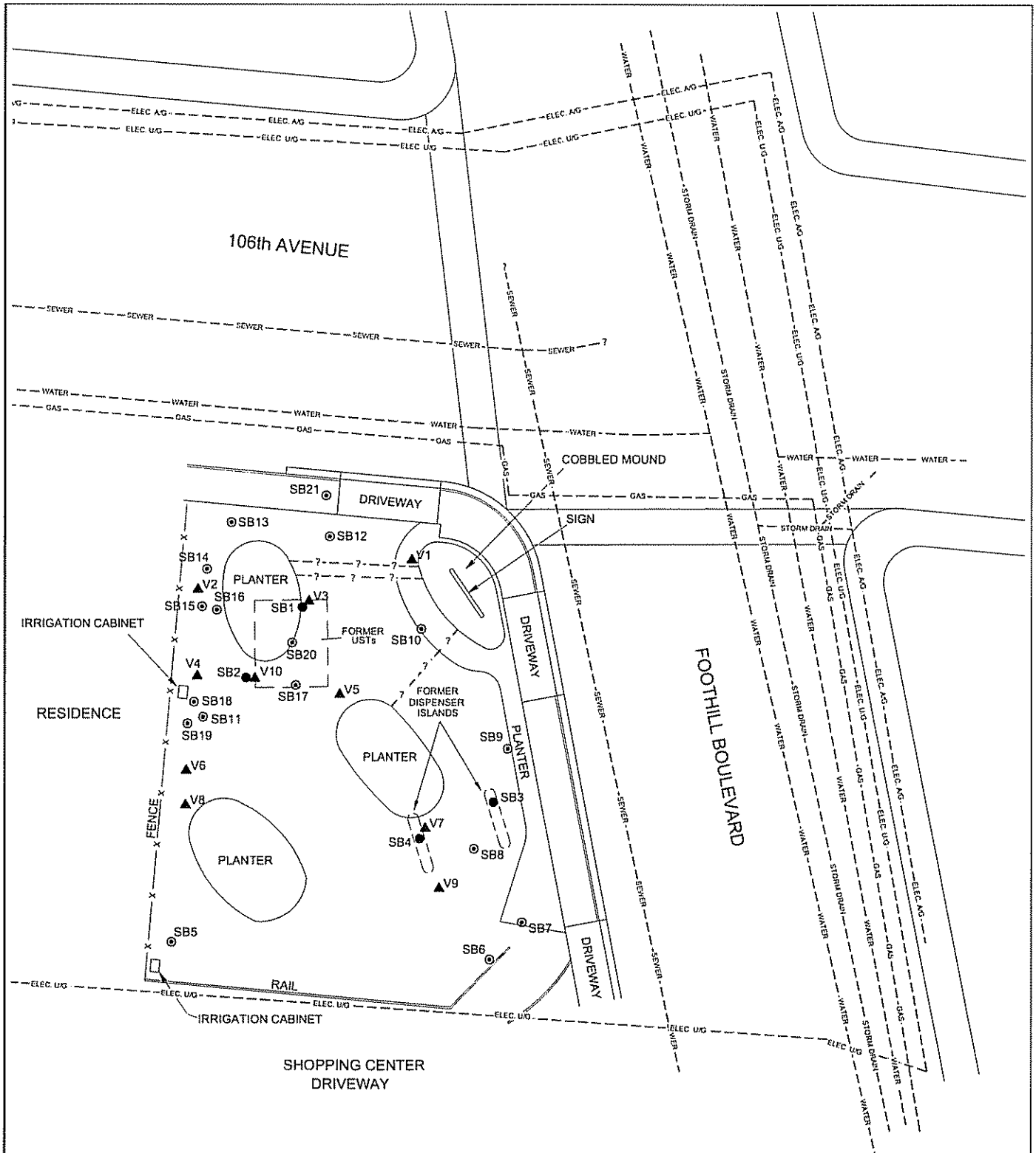
Basemap Source: Morrow Surveying. 2006

ETIC ENGINEERING

SITE PLAN SHOWING SOIL VAPOR ANALYTICAL RESULTS
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: **9**

FILENAME: 2q2006.DWG 05/31/06



LEGEND

- ● Soil Boring (Installed by AEI 3/19/04)
- ⊙ Direct Push Soil Boring (Installed by ETIC)
- ▲ Soil Vapor Probe

Basemap Source: Morrow Surveying, 2006

0 40

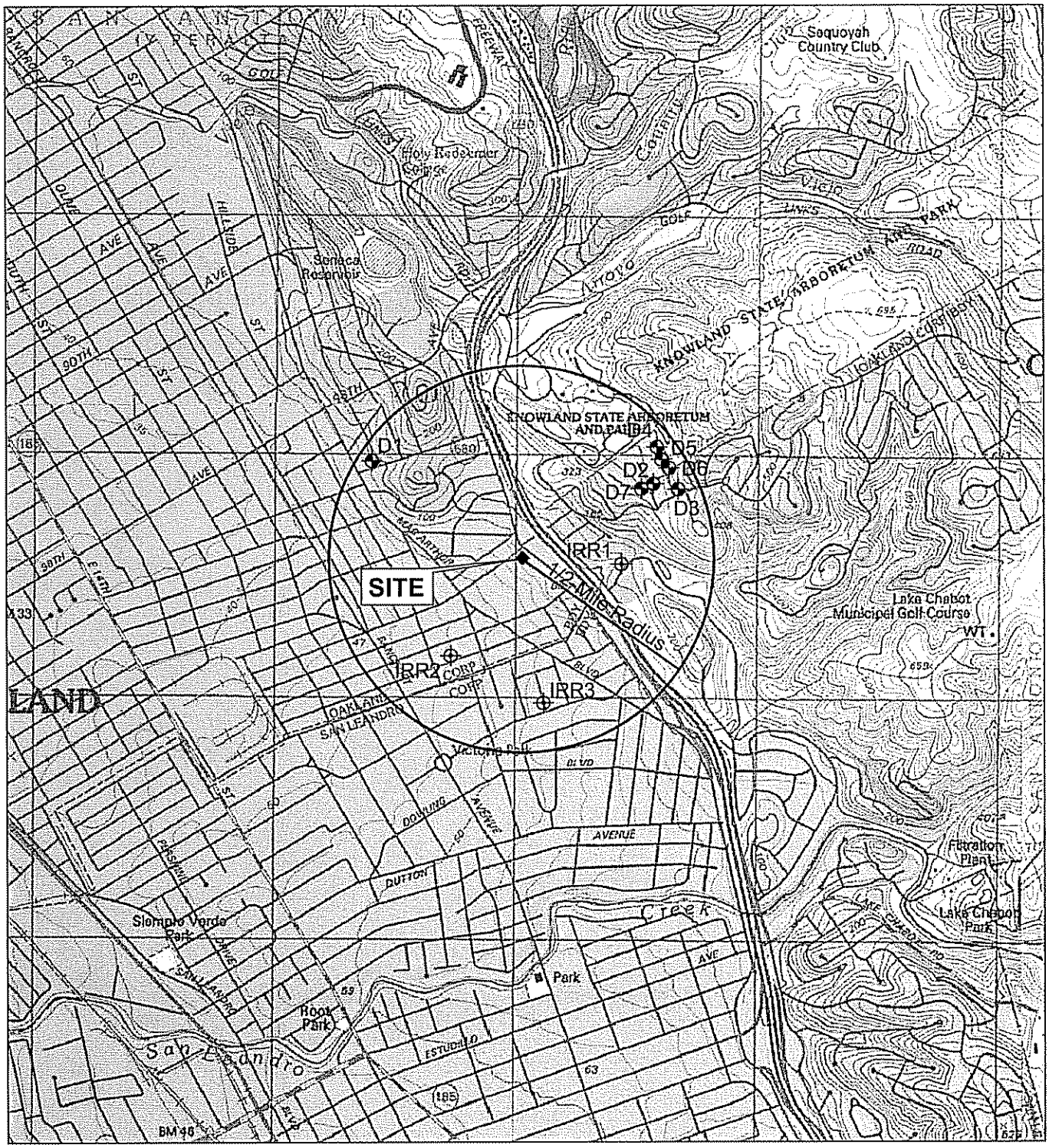
Approx. Scale (feet)

ETIC ENGINEERING

UTILITY SITE PLAN
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: **10**

FILENAME: utilities0706.DWG 07/24/06



SOURCE: USGS Topographic Map

LEGEND:

Wells Within 1/2-Mile Radius

7 ⊕ DOMESTIC WELL

3 ⊕ IRRIGATION WELL

N

0 2000

Scale (feet)

ETIC ENGINEERING

TOPOGRAPHIC MAP SHOWING LOCATIONS OF GROUNDWATER WELLS IN SITE VICINITY
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

FIGURE: 11

FILENAME: well-locations.DWG 07/20/06

Tables

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (feet)	Concentration (mg/kg) Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs
SB-1	03/19/04	11	0.55	11	0.92	2.6	1,000	590	<2.5[a]	NA
SB-2	03/19/04	18	<0.05	0.39	0.40	0.13	65	37	<0.5[a]	NA
SB-3	03/19/04	5	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<0.05[a]	NA
SB-4	03/19/04	5	<0.005	<0.005	<0.005	<0.005	<1.0	2.1	<0.05[a]	NA
SB5	05/26/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<4.98	<10.1	<0.002	NA
SB5	05/26/05	17.5-18	<0.001	<0.005	<0.005	<0.005	<4.97	<9.92	<0.002	NA
SB5	05/26/05	24.5-25	<0.001	<0.005	<0.005	<0.005	<4.99	10.6	<0.002	NA
SB6	05/26/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<5.03	10.2	<0.002	NA
SB6	05/26/05	19.5-20	<0.001	<0.005	<0.005	<0.005	<5.03	<10.1	<0.002	NA
SB6	05/26/05	21.5-22	<0.001	<0.005	<0.005	<0.005	<4.96	<10	<0.002	NA
SB6	05/26/05	24.5-25	<0.001	<0.005	<0.005	<0.005	<4.98	<10	<0.002	NA
SB7	05/26/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<5.02	<10.2	<0.002	NA
SB7	05/26/05	18-18.5	<0.001	<0.005	<0.005	<0.005	<5	<10	<0.002	NA
SB7	05/26/05	22.5-23	<0.001	<0.005	<0.005	<0.005	<4.96	<10	<0.002	NA
SB7	05/26/05	24.5-25	<0.001	<0.005	<0.005	<0.005	<5.02	<10.2	<0.002	NA
SB8	05/26/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<4.97	<9.92	<0.002	NA
SB8	05/26/05	17.5-18	0.0010[b]	<0.005	<0.005	<0.005	<4.96	<9.92	<0.002	NA
SB8	05/26/05	21.5-22	0.0307	<0.005	0.0120	0.0205	11.2	<10	<0.002	NA
SB8	05/26/05	24.5-25	0.0414	0.0153	0.0184	0.0197	10.2	<10	<0.002	NA
SB9	05/27/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<5.02	<9.80	<0.002	NA
SB9	05/27/05	18-18.5	<0.001	<0.005	<0.005	<0.005	<5	<10	<0.002	NA
SB9	05/27/05	19.5-20	<0.001	<0.005	<0.005	<0.005	<4.96	<10	<0.002	NA
SB9	05/27/05	24.5-25	1.58	1.10	0.400	1.72	279	<9.88	<0.002	NA
SB10	05/27/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<5.01	<9.92	<0.002	NA
SB10	05/27/05	17.5-18	<0.001	<0.005	<0.005	<0.005	<5.03	<10	<0.002	NA
SB10	05/27/05	24.5-25	<0.001	<0.005	<0.005	<0.005	<5.01	<10	<0.002	NA
SB11	05/27/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<4.99	<10.2	<0.002	NA
SB11	05/27/05	18.5-19	<0.001	<0.005	<0.005	<0.005	<4.95	<10	<0.002	NA

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (feet)	Concentration (mg/kg) Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs
SB11	05/27/05	24.5-25	0.0082	<0.005	<0.005	0.0053	<4.98	<10	<0.002	NA
SB12	05/27/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<4.97	<10	<0.002	NA
SB12	05/27/05	16.5-17	<0.001	<0.0051	<0.0051	<0.0051	<5.05	<9.88	<0.002	NA
SB12	05/27/05	25.5-26	<0.001	<0.005	<0.005	<0.005	<4.98	<9.96	<0.002	NA
SB13	05/27/05	5-5.5	<0.001	<0.005	<0.005	<0.005	<5.02	<9.92	<0.002	NA
SB13	05/27/05	18.5-19	<0.001	<0.0051	<0.0051	<0.0051	<5.05	<9.92	<0.002	NA
SB13	05/27/05	24.5-25	0.0011	<0.005	<0.005	<0.005	<4.95	<9.92	<0.002	NA
SB14	05/02/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	3.2	<0.005	ND
SB14	05/02/06	10-10.5	<0.001	<0.001	<0.001	<0.001	<0.1	6.5	<0.005	ND
SB14	05/02/06	15-15.5	<0.001	<0.001	<0.001	<0.001	<0.1	2.1	<0.005	ND
SB14	05/02/06	20-20.5	<0.001	<0.001	<0.001	0.0088	1.300	2.8	<0.005	ND
SB14	05/02/06	24.5-25	<0.001	<0.001	<0.001	<0.001	<0.1	2.2	<0.005	ND
SB15	05/02/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	3.1	<0.005	ND
SB15	05/02/06	15-15.5	<0.001	<0.001	<0.001	<0.001	<0.1	8.7	<0.005	ND
SB15	05/02/06	20-20.5	<0.001	<0.001	0.0016	<0.001	0.160	2.5	<0.005	ND
SB15	05/02/06	24.5-25	<0.001	<0.001	0.0069	<0.001	0.270	1.3	<0.005	ND
SB16	05/02/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	14	<0.005	ND
SB16	05/02/06	10-10.5	<0.001	<0.001	<0.001	<0.001	<0.1	5.2	<0.005	ND
SB16	05/02/06	15-15.5	<0.001	<0.001	<0.001	<0.001	<0.1	4.2	<0.005	ND
SB16	05/02/06	20-20.5	0.120	0.052	0.043	0.060	14	9.3	<0.005	ND
SB16	05/02/06	24.5-25	<0.001	<0.001	0.0018	<0.001	<0.1	<1.0	<0.005	ND
SB17	05/02/06	5.5-6	<0.001	<0.001	<0.001	<0.001	<0.1	18	<0.005	ND
SB17	05/02/06	10-10.5	<0.01	0.030	0.310	<0.01	38	260	<0.12	ND
SB17	05/02/06	15-15.5	0.018	0.0028	0.017	0.0040	0.700	3.5	<0.005	ND
SB17	05/02/06	19.5-20	3.2	2.0	8.8	31	320	18	<1.2	ND
SB17	05/02/06	24.5-25	<0.001	<0.001	<0.001	0.0011	<0.1	1.1	<0.005	ND
SB18	05/03/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
SB18	05/03/06	10-10.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
SB18	05/03/06	15-15.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
SB18	05/03/06	19.5-20	<0.10	<0.10	<0.10	<0.10	29	14	<0.005	ND
SB18	05/03/06	24.5-25	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (feet)	Concentration (mg/kg) Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs
SB19	05/02/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	1.4	<0.005	ND
SB19	05/02/06	10-10.5	<0.001	<0.001	<0.001	0.0015	0.230	4.8	<0.005	ND
SB19	05/02/06	15-15.5	<0.001	<0.001	<0.001	<0.001	<0.1	1.2	<0.005	ND
SB19	05/02/06	20-20.5	<0.10	<0.10	<0.10	0.15	19	5.8	<0.005	ND
SB19	05/02/06	24.5-25	<0.001	<0.001	<0.001	<0.001	<0.1	1.7	<0.005	ND
SB20	05/02/06	5.5-6	<0.001	<0.001	<0.001	<0.001	<0.1	14	<0.005	ND
SB20	05/02/06	10-10.5	0.58	0.60	0.80	0.72	76	98	<0.051	ND
SB20	05/02/06	15-15.5	26	39	24	12	1,300	270	<0.12	ND
SB20	05/02/06	19.5-20	20	18	66	280	2,700	250	<2.5	ND
SB20	05/02/06	23.5-24	0.013	0.0047	0.023	0.0082	0.610	7.0	<0.005	ND
SB21	05/02/06	8-8.5	<0.001	<0.001	<0.001	<0.001	<0.1	1.4	<0.005	ND
SB21	05/02/06	13-13.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
SB21	05/02/06	18-18.5	<0.001	<0.001	<0.001	<0.001	<0.1	1.7	0.0088	ND
SB21	05/02/06	19.5-20	<0.001	<0.001	<0.001	0.014	<1	2.4	0.012	ND
SB21	05/02/06	23-23.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
SB21	05/02/06	24.5-25	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
V3	05/03/06	9.5-10	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
V4	05/03/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
V4	05/03/06	7.5-8	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
V5	05/03/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
V5	05/03/06	7.5-8	<0.001	<0.001	<0.001	<0.001	0.240	<1.0	<0.005	ND
V8	05/03/06	5-5.5	<0.001	<0.001	<0.001	<0.001	<0.1	<1.0	<0.005	ND
V8	05/03/06	7.5-8	<0.001	<0.001	<0.001	<0.001	<0.1	1.0	<0.005	ND

a Methyl tertiary butyl ether by 8021B.
b Estimated value below report limit.

MTBE Methyl tertiary butyl ether by EPA Method 8260B unless otherwise indicated.
NA Not analyzed.
ND Not detected at or above laboratory reporting limits.
TPH-g Total Petroleum Hydrocarbons as gasoline by EPA Method 8015B.

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Sample ID	Date	Depth (feet)	Concentration (mg/kg)							
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs

TPH-d Total Petroleum Hydrocarbons as diesel by EPA Method 8015B.

VOCs Tert-amyl methyl ether, tert-butyl alcohol, di-isopropyl ether, 1,2-dibromoethane, 1,2-dichloroethane, and ethyl tert-butyl ether by EPA Method 8260B.

mg/kg Milligrams per kilogram.

TABLE 2 GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR TEMPORARY BORINGS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Boring ID	Date	Depth to Water (feet bgs)	Concentration (µg/L)							
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs
SB-1 W	03/19/04	13.3-16	250	22	310	71	3,200	4,200	<17[a]	NA
SB-2 W	03/19/04	14-22	17	24	68	21	7,000	26,000	<17[a]	NA
SB5	05/26/05	20[b]	<0.5	<0.5	<0.5	<0.5	<50	341	<0.5	NA
SB6	05/26/05	22[b]	<0.5	<0.5	<0.5	<0.5	<50	<56	<0.5	NA
SB7	05/26/05	19[b]	<0.5	<0.5	<0.5	<0.5	<50	57	<0.5	NA
SB8	05/26/05	18[b]	75.7	0.5	4.7	4.7	824	801	<0.5	NA
SB9	05/27/05	20[b]	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5	NA
SB10	05/27/05	20[b]	<0.5	<0.5	<0.5	0.7	54.5	<50	<0.5	NA
SB11	05/27/05	20[b]	<0.5	<0.5	1.9	0.5	2,250	701	<0.5	NA
SB12	05/27/05	20[b]	<0.5	0.5	1.0	<0.5	1,060	305	4.30	NA
SB13	05/27/05	20[b]	<0.5	<0.5	0.6	<0.5	447	121	14.2	NA
SB14	**05/02/06**	**20[b]**	**1.89**	**<0.500**	**102**	**5.56**	**2,340**	**820[c]**	**<0.500**	**ND**
SB15	**05/02/06**	**20[b]**	**18.4**	**<0.500**	**42.6**	**4.16**	**831**	**440[c]**	**<0.500**	**ND**
SB16	**05/02/06**	**20[b]**	**30.3**	**0.820**	**410**	**11.3**	**5,940**	**1,700[c]**	**<0.500**	**ND**
SB17	**05/02/06**	**20[b]**	**2,140**	**1,400**	**4,690**	**11,100**	**60,800**	**7,500[c]**	**<25.0**	**ND**

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TABLE 2 GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR TEMPORARY BORINGS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Boring ID	Date	Depth to Water (feet bgs)	Concentration (µg/L)							
			Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE	VOCs
SB18	**05/03/06**	**20[b]**	**<25.0**	**<25.0**	**159**	**<25.0**	**10,100**	**1,700[c]**	**<25.0**	**ND**
SB19	**05/02/06**	**20[b]**	**4.19**	**<0.500**	**5.78**	**6.29**	**3,100**	**720[c]**	**<0.500**	**ND**
SB20	**05/02/06**	**20[b]**	**3,240**	**53.2**	**3,670**	**4,170**	**41,800**	**4,300[c]**	**<0.500**	**ND**
SB21	**05/02/06**	**22[b]**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**1,390**	**440[c]**	**83.3**	**ND**

a Methyl tertiary butyl ether by EPA Method 8021B.
b Depth of grab groundwater sample.
c Hydrocarbon pattern is present within the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

MTBE Methyl tertiary butyl ether analyzed by EPA Method 8260B unless otherwise indicated.
NA Not analyzed.
ND Not detected at or above laboratory reporting limits.
TPH-g Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8015B.
TPH-d Total Petroleum Hydrocarbons as diesel analyzed by EPA Method 8015B.
VOCs Tert-amyl methyl ether, 1,2-dibromoethane, 1,2-dichloroethane, ethyl tert-butyl ether, diisopropyl ether, and tertiary butyl alcohol analyzed by EPA Method 8260B.

µg/L Micrograms per liter.

TABLE 3 PHYSICAL PROPERTIES ANALYTICAL RESULTS FOR SOIL SAMPLES,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Boring No.	Sample Date	Sample Depth (feet bgs)	Moisture Content (%)	Porosity (pore volume %)	Specific Gravity gm/cc
SB14	**04/26/06**	**2.5**	**23.91**	**38.57**	**2.63**
SB15	**04/27/06**	**2.5**	**22.08**	**42.04**	**2.63**
SB16	**04/27/06**	**2.5**	**20.18**	**46.82**	**2.57**
SB17	**04/26/06**	**2.5**	**20.32**	**39.20**	**2.56**
SB18	**04/26/06**	**3.0**	**23.88**	**43.45**	**2.61**
SB19	**04/26/06**	**2.5**	**23.54**	**41.35**	**2.58**
SB20	**04/26/06**	**2.5**	**21.83**	**43.04**	**2.54**
SB21	**05/02/06**	**2.5**	**20.89**	**38.81**	**2.65**

feet bgs Feet below ground surface.
gm/cc Grams per cubic centimeter.
% Percent.

TABLE 4 SOIL VAPOR SAMPLE ANALYTICAL RESULTS,
FORMER EXXON RETAIL SITE 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Boring No.	Depth (feet bgs)	Date	Oxygen % by Volume	Concentration ($\mu g/m^3$) Benzene	Toluene	Ethyl-benzene	m,p-Xylene	o-Xylene	TPH-g	MTBE	1,1-Difluoroethane
V1	5.5	05/01/06	9.4	**200**	<100	<100	<100	<100	**790,000**	<100	<10,000
V2[a]	--	05/01/06	--	--	--	--	--	--	--	--	--
V3	5.5	05/01/06	19	**120**	**160**	**140**	<100	<100	**110,000**	<100	<10,000
V3[a]	10	05/01/06	--	--	--	--	--	--	--	--	--
V4[a]	--	05/01/06	--	--	--	--	--	--	--	--	--
V5[a]	--	05/01/06	--	--	--	--	--	--	--	--	--
V6	7.0	05/01/06	9.1	**170**	<100	**540**	**410**	<100	**880,000**	<100	<10,000
V7	7.5	05/01/06	21	**84**	**140**	<100	**110**	<100	**2,200**	<100	<10,000
V7 dup	7.5	05/01/06	20	<80	**110**	<100	<100	<100	**2,400**	<100	<10,000
V8[a]	--	05/01/06	--	--	--	--	--	--	--	--	--
V9	7.5	05/01/06	19	<80	<100	<100	<100	<100	**360,000**	<100	<10,000
V10	8.0	05/01/06	11	**1,100**	**130**	**340**	**180**	<100	**6,600,000**	<100	<10,000
V10	10.0	05/01/06	9.0	**1,900**	<100	<100	<100	<100	**17,000,000**	<100	<10,000

Note: Soil vapor samples were collected after purging 7 casing volumes or approximately 70 cc of vapor from the tubing (10 cc per 12 feet of tubing).

a Soil vapor could not be extracted at depths between 4 and 10 feet bgs from this boring. Soil samples were collected at depths of 5 and 7.5 feet bgs in order to replace soil vapor analyses at this location. The results of soil analyses are included in the Soil Sample Analytical Results table.

feet bgs Feet below ground surface.
TPH-g Total Petroleum Hydrocarbons as gasoline reported as C6-C12.
MTBE Methyl t-butyl ether.
EDB 1,2-Dibromoethane.
1,2-DCA 1,2-Dichloroethane.
DIPE Diisopropyl ether.
TBA t-Butyl alcohol.
TAME tert-Amyl methyl ether.
ETBE tert-Butyl ethyl ether.

dup Duplicate.

-- Not analyzed.

$\mu g/m^3$ micrograms per cubic meter.

TABLE 5 LIST OF WELLS WITHIN ONE-HALF MILE FROM FORMER EXXON RS 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CA

Well ID*	Location (Township/Range Section)	Use	Owner	Total Depth (feet)	Water Depth (feet)
D1	2S/3W 23B1	Domestic	Mrs. Bennett	75	42
D2	2S/3W 24B1	Domestic	Jack Ambro	102	35
D3	2S/3W 24B2	Domestic	John Freitas	123	65
D4	2S/3W 24B3	Domestic	Christensen	55	45
D5	2S/3W 24B4	Domestic	Christensen	98	36
D6	2S/3W 24C3	Domestic	H. Mathews	97	23
D7	2S/3W 24C6	Domestic	A.W. Bassigian	107	50
IRR1	2S/3W 24F1	Irrigation	John Kidder	65	24
IRR2	2S/3W 24M1	Irrigation	Mrs. Kitcher	58	38
IRR3	2S/3W 24N1	Irrigation	Jor Bramse	79	40

Notes:

Monitoring wells were not included in this survey.
Information was obtained from the Alameda County Public Works Agency.

* Well ID assigned by ETIC.

TABLE 6 TIER I ENVIRONMENTAL SCREENING LEVELS FOR SHALLOW SOIL,
FORMER EXXON RS 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

				Concentration (mg/kg)		
					Tier I Environmental Screening Levels for Shallow Soil	
					Direct Exposure	
Chemical	Sample ID	Date	Depth (feet)	Maximum Reported Concentration*	Commercial/Industrial Land Use	Construction/Trench Worker Scenario
Benzene	SB-3, SB-4	03/19/04	5	<0.005	0.38	16
Toluene	Multiple	03/19/04 and 05/26-27/05	5, 5-5.5	<0.005	340	650
Ethylbenzene	Multiple	03/19/04 and 05/26-27/05	5, 5-5.5	<0.005	400	400
Total Xylenes	Multiple	03/19/04 and 05/26-27/05	5, 5-5.5	<0.005	420	420
TPH-g	SB6	05/26/05	5-5.5	<5.03	750	6,000
TPH-d	SB17	05/02/06	5-5.5	18	750	6,000
MTBE	Multiple	05/26-27/05 and 05/2/06	5-5.5	<0.005	68	2,500

TPH-g Total Petroleum Hydrocarbons as gasoline
TPH-d Total Petroleum Hydrocarbons as diesel
MTBE Methyl tert butyl ether

mg/kg Milligrams per kilogram

Note: Tier I Environmental Screening Levels adopted by RWQCB correspond to a 1 X 10^{-6} Target Risk Level and a target Hazard Quotient of 0.2.
From Tables K-2 and K-3: Direct Exposure Screening Levels, Commercial/Industrial Worker Exposure Scenario, Final Screening Level (February 2005).

* Historical maximum concentrations are from soil samples collected within shallow soils which are defined as soil from 0-10 feet below ground surface.

TABLE 7 INDOOR AIR EXPOSURE RISK EVALUATION
FORMER EXXON RS 7-4121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Chemical	Sample ID	Sample Depth (feet bgs)	Date	Maximum Reported Concentration ($\mu g/m^3$)*	Tier II Risk Evaluation** Residential Land Use Carcinogenic Risk	Residential Land Use Non-Carcinogenic Hazard	Commercial/Industrial Land Use Carcinogenic Risk	Commercial/Industrial Land Use Non-Carcinogenic Hazard
Benzene	V10	8.0	05/01/06	**1,100**	3.00E-06	3.00E-02	1.80E-06	2.20E-02
Toluene	V3	5.5	05/01/06	160	NA	4.50E-04	NA	3.20E-04
Ethylbenzene	V6	7.0	05/01/06	540	NA	4.40E-04	NA	3.10E-04
Total Xylenes***	V6	7.0	05/01/06	410	NA	3.40E-03	NA	2.40E-03
TPH-g****	V10	8.0	05/01/06	**6,600,000**	NA	5.30E+01	NA	3.80E+01
MTBEa	V1, V3, V6, V7, V9, V10	5.5, 7.0, 7.5, 8.0, 10.0	05/01/06	<100	--	--	--	--
			Total Cumulative Risk/Hazard		**3.00E-06**	**5.30E+01**	**1.80E-06**	**3.80E+01**

TPH-g Total Petroleum Hydrocarbons as gasoline
MTBE Methyl tert butyl ether.
NA Not applicable

a Analyzed by EPA Method 8260B

$\mu g/m^3$ Micrograms per cubic meter

Note:
* Data reflect maximum concentrations (converted to $\mu g/m^3$) reported from the analysis of shallow soil vapor samples collected on 1 May 2006.
** Risk evaluation based on USEPA's Johnson and Ettinger Vapor Intrusion Model Soil Gas - Advanced Screen version 2004 using site-specific soil type and soil gas sample depth. San Francisco Bay Regional Water Quality Control Board has used USEPA's Johnson and Ettinger Vapor Intrusion Model Soil Gas - Advanced Screen version 2003 to produce Tier I Environmental Screening Levels.
*** p-Xylene chemical specific values used in the model to represent total xylenes.
**** Pyrene chemical specific values used in the model to represent TPH-g.

Appendix A

Regulatory Correspondence

From: "Chan, Barney, Env. Health" <barney.chan@acgov.org>
To: "Sherris Prall" <SPrall@eticeng.com>
Date: 6/13/06 4:41PM
Subject: RE: 10605 Foothill Blvd., Oakland, CA, Former Exxon RS 74121

Your request for an extension for your Risk Assessment Report is approved.

Sincerely,
Barney M. Chan
Hazardous Materials Specialist
Alameda County Environmental Health
510-567-6765

-----Original Message-----
From: Sherris Prall [mailto:SPrall@eticeng.com]
Sent: Monday, June 12, 2006 3:10 PM
To: Chan, Barney, Env. Health
Cc: Bryan campbell; Christa Marting; Deborah Hensley; gene.n.ortega@exxonmobil.com
Subject: 10605 Foothill Blvd., Oakland, CA, Former Exxon RS 74121

Barney,

As Bryan Campbell and I discussed with you earlier today, at the request of ExxonMobil Oil Corporation, we are requesting an extension to the Risk Assessment Report for the subject site. The report was originally due 60 days from drilling; we will submit the report by 31 July 2006.

As always, thank you for your attention to this project. We will look for your response by e-mail.

Sincerely,
Sherris Prall
Project Manager

Sherris Prall
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523
Tel: 925-602-4710, Ext. 20
FAX: 925-602-4720
sprall@eticeng.com

From: Sherris Prall
To: Barney Chan
Date: 4/14/06 12:52PM
Subject: 10605 Foothill Blvd, Oakland, CA; Former Exxon RS 7-4121

Barney,

ETIC has scheduled vac rig borehole clearance for April 26-28 and soil vapor, soil, and groundwater sampling by direct push on May 1-4, 2006.

The scope of work on these dates will be completed in accordance with the August 2005, ETIC Risk Assessment Work Plan, and as modified and approved in March 17, 2006 e-mail correspondence between ETIC and Alameda County Health Care Services Agency. The report will be submitted 60 days after completion of the field work.

Thank you for your attention to this project. If you have any questions or comments, please contact me.

Sincerely,
Sherris Prall
Project Manager

Sherris Prall
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523
Tel: 925-602-4710, Ext. 20
FAX: 925-602-4720
sprall@eticeng com

CC: Bryan campbell; Christa Marting; Gene Ortega

From: "Chan, Barney, Env. Health" <barney.chan@acgov.org>
To: "Sherris Prall" <SPrall@eticeng.com>
Date: 3/17/06 3:28PM
Subject: RE: 10605 Foothill Blvd, Oakland, CA Former Exxon RS 7-4121

Sherris:
I concur with the proposed additions and changes to the prior work plan.

Sincerely,

Barney Chan
510-567-6765

-----Original Message-----
From: Sherris Prall [mailto:SPrall@eticeng.com]
Sent: Friday, March 17, 2006 12:30 PM
To: Chan, Barney, Env. Health
Cc: Bryan campbell; Christa Marting; Tracy Iob;
gene.n.ortega@exxonmobil.com
Subject: 10605 Foothill Blvd, Oakland, CA Former Exxon RS 7-4121

Barney,

As I mentioned to you on the phone, ETIC Engineering plans to drill at this site in mid-April. After reviewing the scope of work, we would like to add the following:

-soil vapor point 10, located in the former tank backfill area, samples at 5' and 10'
-SB-14-SB-21 - soil samples at 2.5' and analyze for porosity and moisture content

Please refer to the attached site map and summary of scope of work. We have also re-considered getting a borehole clearance variance from ExxonMobil. Instead of not clearing, we propose to use a vac-rig to clear to 2.5', collect a soil sample with the slide hammer, continue to clear to 4', then backfill with bentonite. The SB-21 boring will be cleared to 8' as will any other borings that are located near known utilities. The direct-push drilling rig will push through the bentonite-filled holes to collect soil vapor at 5', and in the case of soil vapor points 3 and 10, a second soil vapor sample will be collected at 10'. We anticipate that this work will address all risk-based decisions regarding this site.

We are currently evaluating the need for both onsite and offsite laboratories. An offsite lab may not be necessary, except for one or two confirmation samples if the detection limits of the onsite lab are low enough to meet our needs for risk assessment.

Thank you for your continued oversight and attention to this project. Let me know if you agree with these proposed additions and changes to the approved scope of work. Please call me if you have any questions.

Sincerely,
Sherris Prall
Project Manager

Sherris Prall
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523
Tel: 925-602-4710, Ext. 20
FAX: 925-602-4720
sprall@eticeng.com

From: "Chan, Barney, Env. Health" <barney.chan@acgov.org>
To: "Sherris Prall" <SPrall@eticeng.com>
Date: 2/14/06 9:07AM
Subject: RE: Fuel Case RO0002635, Exxon 7-4121, 10605 Foothill Blvd, Oakland, CA

Thank you for the update, your extension is granted.
Sincerely,

Barney Chan
510=-567-6765

-----Original Message-----
From: Sherris Prall [mailto:SPrall@eticeng.com]
Sent: Monday, February 13, 2006 12:46 PM
To: Chan, Barney, Env. Health
Subject: Fuel Case RO0002635, Exxon 7-4121, 10605 Foothill Blvd, Oakland, CA

Barney,

Drilling for this site has been changed to March 20, 21, and 22. The City of Oakland will not give us an encroachment permit until our driller has a business license for the City of Oakland and we are still waiting for that. We began the process on October 31, 2005, and have been following up with the City periodically.

We have noted that you have asked for the report 45 days after drilling. Would you consider a 60-day deadline considering the risk assessment is included in this report?

Thanks for your attention to this project.

Sincerely,
Sherris Prall

Sherris Prall
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523
Tel: 925-602-4710, Ext. 20
FAX: 925-602-4720
sprall@eticeng.com

From: "Chan, Barney, Env. Health" <barney.chan@acgov.org>
To: "Sherris Prall" <SPrall@eticeng.com>
Date: 12/9/05 9:19AM
Subject: RE: Fuel Case RO0002635, Exxon 7-4121, 10605 Foothill Blvd., Oakland, CA

Sherris:
Thank you for the update. I believe that the proposed borings are enough to determine if this is a confined release or a more significant release than originally thought.

Barney

-----Original Message-----
From: Sherris Prall [mailto:SPrall@eticeng.com]
Sent: Thursday, December 08, 2005 9:01 AM
To: Chan, Barney, Env. Health
Subject: Fuel Case RO0002635, Exxon 7-4121, 10605 Foothill Blvd., Oakland, CA

Barney,

I have attached a copy of the revised map with boring locations based on our telephone and e-mail conversations. We are currently working to get an encroachment permit from the City of Oakland for the boring in the sidewalk. We anticipate drilling as soon as January 2006. Please let me know if you have any other comments regarding the boring locations.

Hope you have a happy holiday!

Sincerely,
Sherris Prall

Sherris Prall
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523
Tel: 925-602-4710, Ext. 20
FAX: 925-602-4720
sprall@eticeng.com

From: Sherris Prall
To: Barney Chan
Date: 12/8/05 9:01AM
Subject: Fuel Case RO0002635, Exxon 7-4121, 10605 Foothill Blvd., Oakland, CA

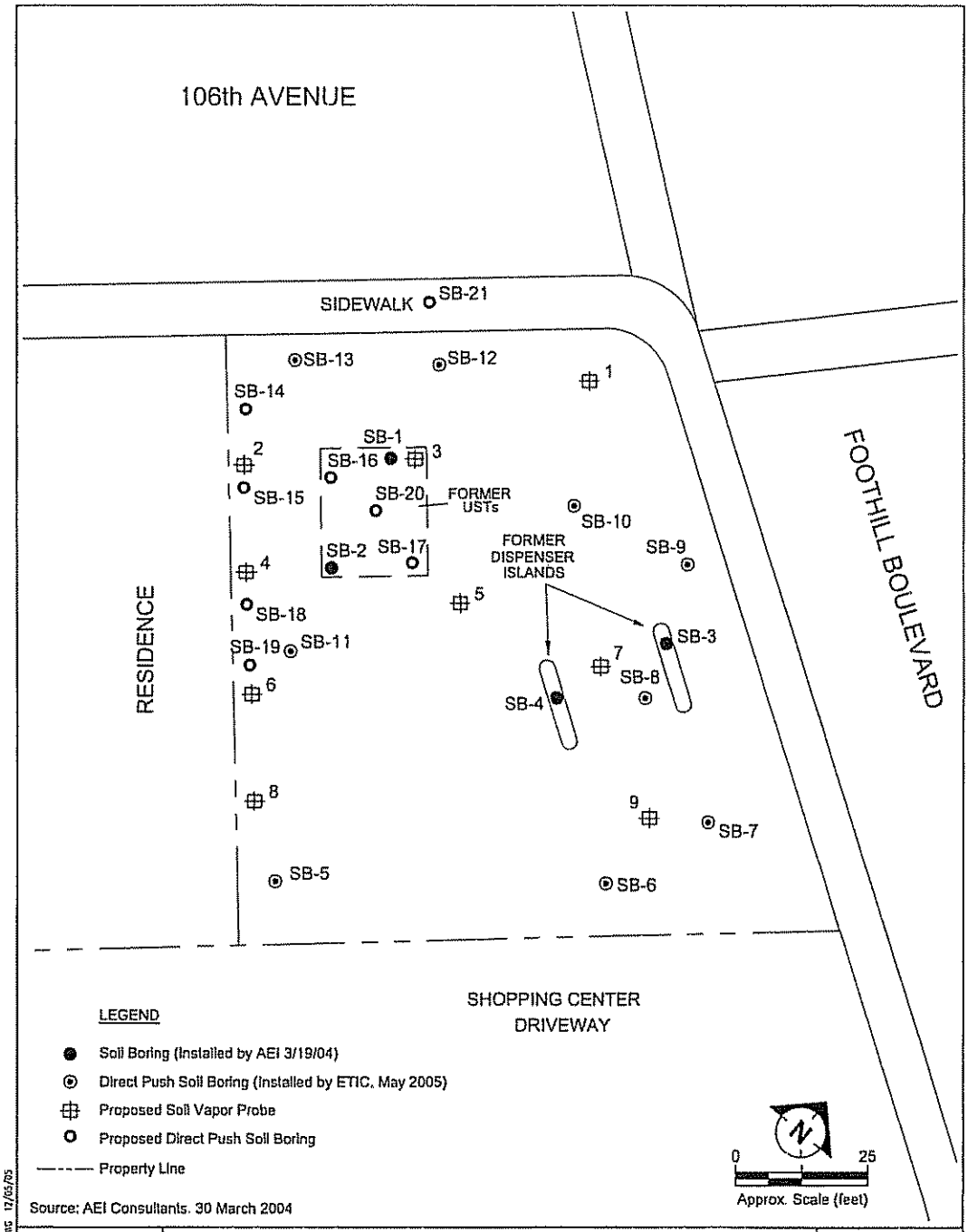
Barney,

I have attached a copy of the revised map with boring locations based on our telephone and e-mail conversations. We are currently working to get an encroachment permit from the City of Oakland for the boring in the sidewalk. We anticipate drilling as soon as January 2006. Please let me know if you have any other comments regarding the boring locations.

Hope you have a happy holiday!

Sincerely,
Sherris Prall

Sherris Prall
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523
Tel: 925-602-4710, Ext. 20
FAX: 925-602-4720
sprall@eticeng.com



ETIC ENGINEERING

SITE PLAN
FORMER EXXON RS 7-4121
10605 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

FIGURE: **2**

FILENAME: site1705.dwg 12/05/05

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

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

September 6, 2005

Ms. Jennifer Sadlachek
ExxonMobil
4096 Piedmont Ave., #194
Oakland, CA 94611

Mr. Ken Phares
MacArthur Blvd. Associates
10700 MacArthur Blvd.
Oakland, CA 94605

Dear Ms. Sadlachek and Mr. Phares:

Subject: Fuel Leak Case RO0002635, Exxon #7-4121, 10605 Foothill Blvd., Oakland, CA 94605

Alameda County Environmental Health staff has received and reviewed the August 29, 2005, *Risk Assessment Work Plan,* prepared by ETIC Engineering. This work plan responds to the County's July 27, 2005 letter requesting additional technical information for the subject site. The work plan proposes additional soil borings and soil vapor sampling. We generally approve the work plan, however, we request that you address the following technical comments and submit the technical report requested below when performing the proposed work.

TECHNICAL COMMENTS

1. The proposal to address the County's request to perform a Conduit/Receptor Survey Study and Characterize Local Hydrogeology and Groundwater Flow Conditions is approved. Please submit your technical report as requested below.

2. Contaminant Source Characterization- We request that the following modifications to your Soil and Groundwater Investigation be made:

   - An additional soil boring should be advanced near proposed vapor probe location 6 to determine the extent of groundwater impact reported in SB-11.
   - The extent of contamination within the former UST pit should be further investigated by advancing an additional boring within the center of the former tank pit. In addition, the locations of SB-16 & SB-17 should be moved the west and east corners of the former tank pit, respectively.
   - In our previous letter, we requested additional delineation "north towards 106th Ave." This may be achieved by advancing borings to the northwest of SB-12 and proposed soil vapor probe 1. We request that soil and groundwater samples be collected from **all** boreholes. Soil samples should be collected every 5 feet for screening and sent to the lab based upon soil characteristics and field organic vapor readings. In addition to the proposed chemicals, these samples should also be analyzed for TAME, ETBE, TBA, EDB and EDC.

3. Soil Vapor Sampling- Please insure that the soil from which the soil vapor sample is being collected in from an undisturbed location. We are concerned that the proposed clearing of soil prior to sampling will volatilize contaminants prior to sampling. Please explain how this was avoided in your report. The initial sample is proposed to be collected from 5'. Please note, as recommended in the DTSC/LARWQCB document, multi-depth sampling is appropriate for sites with USTs, backfilled material, or significant elevated VOC in shallow or previous vapor sampling. Please explain the logic of collecting vapor samples for testing at

both onsite and offsite laboratories. Although the proposed soil vapor samples are approved, additional sampling may be warranted based upon the results of the proposed work.

4. Geotracker EDF Submittals - Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collected groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports (LUFT or SLIC) is required in Geotracker (in PDF format).

In order to remain in regulatory compliance, please upload all LUFT analytical data (collected on or after September 1, 2001, to the SWRCB's Geotracker database website in accordance with the above-cited regulation. Please perform the electronic submittals for applicable data and submit verification to this Agency by October 6, 2005.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to our office according to the following schedule:

- 45 days after your soil and groundwater investigation- technical report including Conduit/Receptor Survey and Characterization of Local Hydrogeology and Groundwater Flow Conditions.
- 45 days after your soil vapor investigation- technical report and risk assessment.

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

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF

format). Please visit the State Water Resources Control Board for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following:

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

If you have any questions, please contact me at (510) 567-6765.

Sincerely,

Barney M Chan

Barney M. Chan
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions (Ms. Sadlachek & Ms. Prall)

C: files, D. Drogos
Ms. Sherris Prall, ETIC Engineering, 2285 Morello Ave., Pleasant Hill, CA 94523
9_6_05 10605 Foothill Blvd

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

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

July 27, 2005

Ms. Jennifer Sadlachek
ExxonMobil
4096 Piedmont Ave , #194
Oakland, CA 94611

Mr. Ken Phares
MacArthur Blvd. Associates
10700 MacArthur Blvd.
Oakland, CA 94605

Dear Ms. Sadlachek and Mr. Phares:

Subject: Fuel Leak Case RO0002635, Exxon #7-4121, 10605 Foothill Blvd., Oakland, CA 94605

Alameda County Environmental Health staff has received and reviewed the July 15, 2005 *Subsurface Investigation Report,* prepared by ETIC Engineering. This report details the results of soil and groundwater sampling from nine (9) borings advanced at the site in an attempt to determine the lateral and vertical extent of petroleum contamination from the former UST system. A previous investigation had detected soil and groundwater contamination in the vicinity of the former USTs, although the exact location of the UST system appears uncertain. We request that you address the following technical comments and submit the technical report requested below.

TECHNICAL COMMENTS

1. Conduit/Receptor Survey Study

   The purpose of the conduit study is to locate potential migration pathways and potential conduits and determine the probability of the plume encountering preferential pathways and conduits that could spread the contamination. The conduit study shall include a detailed well survey of all wells (monitoring and production wells: active, inactive, standby, destroyed (sealed with concrete), abandoned (improperly destroyed); and dewatering, drainage, and cathodic protection wells) within a ½ mile radius of the subject site. As part of your detailed well survey, please perform a background study of the historical land uses of the site and properties in the vicinity of the site. Use the results of your background study to determine the existence of unrecorded/unknown (abandoned) wells, such as agricultural and domestic wells, that can act as pathways for migration of contamination at and/or from your site. Please review historical maps such as Sanborn maps, aerial photos, etc., when performing the background study. Provide a map(s) showing the location of all wells identified in your study. Please also provide copies of Sanborn maps indicating the presence of "gas and oil".

2. Characterization of Local Hydrogeology and Groundwater Flow Conditions

   The purpose of this characterization is to understand the physical and geochemical characteristics of the subsurface, which may affect groundwater flow, the breakdown (fate),

migration (transport), and the distribution of contaminants through the subsurface. Additionally, factors such as water level fluctuations, gradient changes, local hydrogeology, groundwater extraction, and groundwater recharge activities (natural and artificial) can significantly alter groundwater flow conditions. We request that you properly characterize the hydrogeology and groundwater flow conditions in the vicinity of your site. We require that you prepare detailed cross-sections and determine the gradient for the site. Include soil concentrations and groundwater iso-concentration contours on your cross-section.

3. Contaminant Source Characterization

The purpose of contaminant source characterization is to determine the nature and extent of free product (liquid phase), petroleum saturated soils (residual phase), and hydrocarbons dissolved in groundwater (aqueous phase), and high concentrations of soil vapor (vapor phase) that will continue to increase the concentration and mass of the dissolved phase contaminant plume. Contaminant source characterization also includes characterization of dissolved phase contamination and an estimation of contaminant mass in the source area. We are concerned that soil contamination has not been adequately defined within the vicinity of the former USTs, which could leave a significant residual source of contamination. The lack of vertical delineation in SB-1 and the presence of elevated TPH in groundwater in SB-2 is of concern. In addition, the plume requires delineation towards the residence to the west and north towards 106th Ave. After completion of this characterization, an evaluation as to the need for permanent monitoring wells must be made.

4. Soil Vapor Sampling

We concur that soil vapor sampling would be useful to determine if vapor risk exists from residual contamination, however, it would be most appropriately done when site characterization is complete. Sampling in known areas of contamination and near receptors would typically be recommended.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to our office according to the following schedule:

- August 29, 2005- Conduit/Receptor Survey study, hydrogeology characterization and work plan to further delineate soil and groundwater contamination.
- 30 days after the submittal of your soil and groundwater investigation report- Soil vapor sampling work plan

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

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following:

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835 1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

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

If you have any questions, please contact me at (510) 567-6765.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: files, D. Drogos
Ms. Sherris Prall, ETIC Engineering, 2285 Morello Ave., Pleasant Hill, CA 94523
7_28_05 10605 Foothill Blvd

Appendix B

Historical Aerial Photos

EDR® Environmental
Data Resources Inc

The EDR-Aerial Photography Print Service

Former Exxon RS 7-4121
10605 Foothill Boulevard
Oakland, CA 94605

May 3, 2005

Inquiry Number: 1410819-5

The Standard In Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.
Aerial Photography Print Service

Environmental Data Resources, Inc.'s (EDR) Aerial Photography Print Service is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2, page 12.)

Aerial Photographs

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Aerial photographs are a valuable historical resource for documenting past land use and can be particularly helpful when other historical sources (such as city directories or fire insurance maps) are not reasonably ascertainable. The EDR Aerial Photograph Print Service includes a search of local aerial photograph collections flown by public and private agencies. EDR's professional field-based researchers provide digitally reproduced historical aerial photographs at ten year intervals.

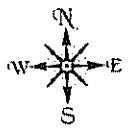
Please call Environmental Data Resources, Inc. Nationwide Customer Service at
1-800-352-0050 (8am-8pm ET)
with questions or comments about your report.
Thank you for your business!

Inquiry# 14108195

Year: 1939

Flyer: Fairchild

Scale: 1"=555'

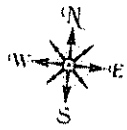


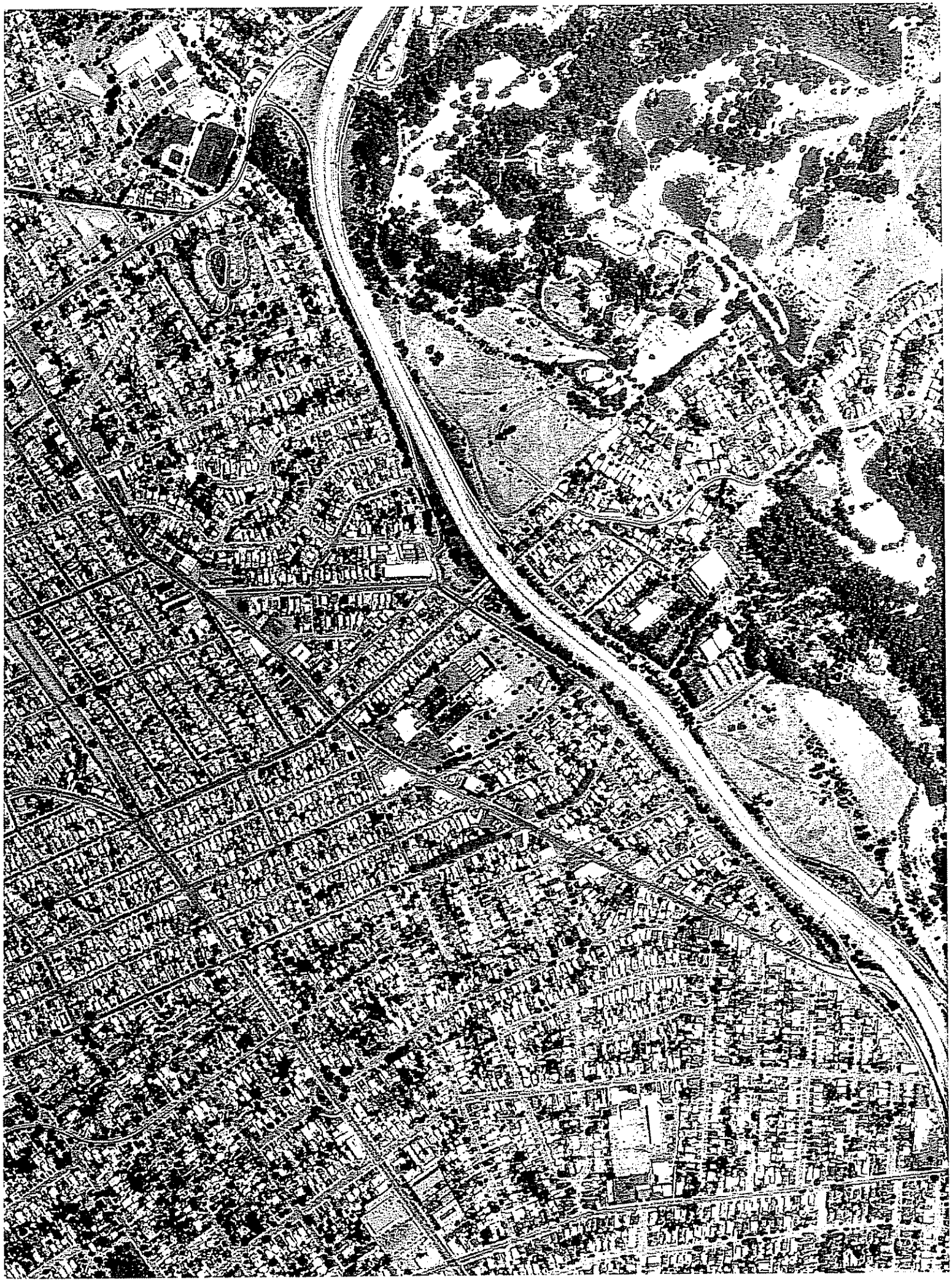
Inquiry# 14108415

Year: 1946

Flyer: Jack Ammann

Scale: 1"=655'



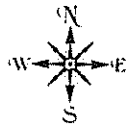


Inquiry# 14108195

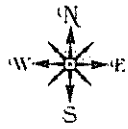
Year: 1958

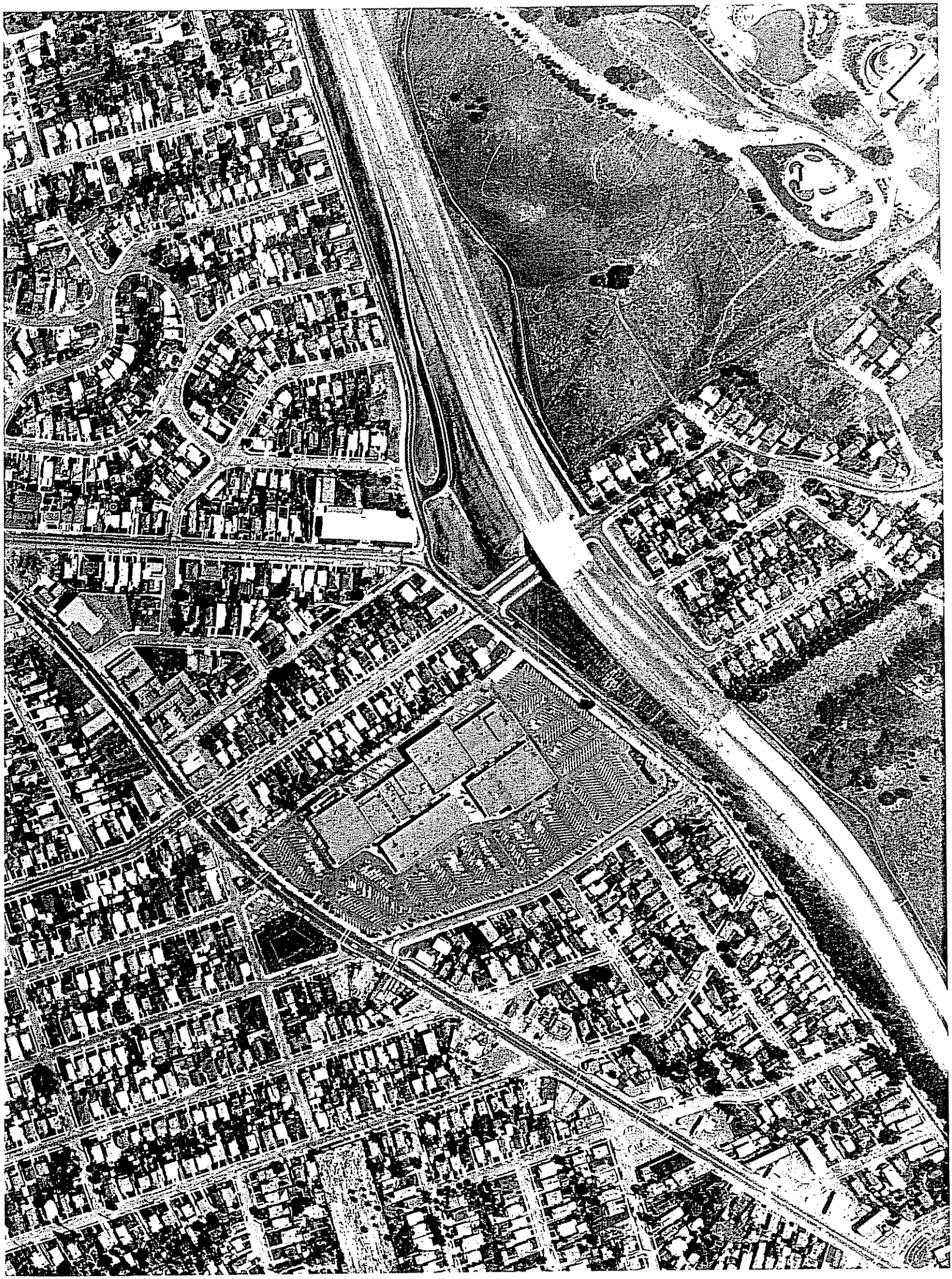
Flyer: Cartwright

Scale: 1"=555'



Inquiry# 1410819.5
Year: 1965
Flyer: Cartwright
Scale: 1"=333'



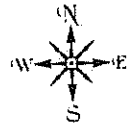


Inquiry# 14108195

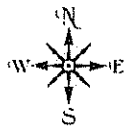
Year: 1982

Flyer: WSA

Scale: 1"=690'



Inquiry# 1410819.5
Year: 1993
Flyer: USGS
Scale: 1"=666'

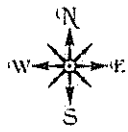


Inquiry# 14108975

Year: 1998

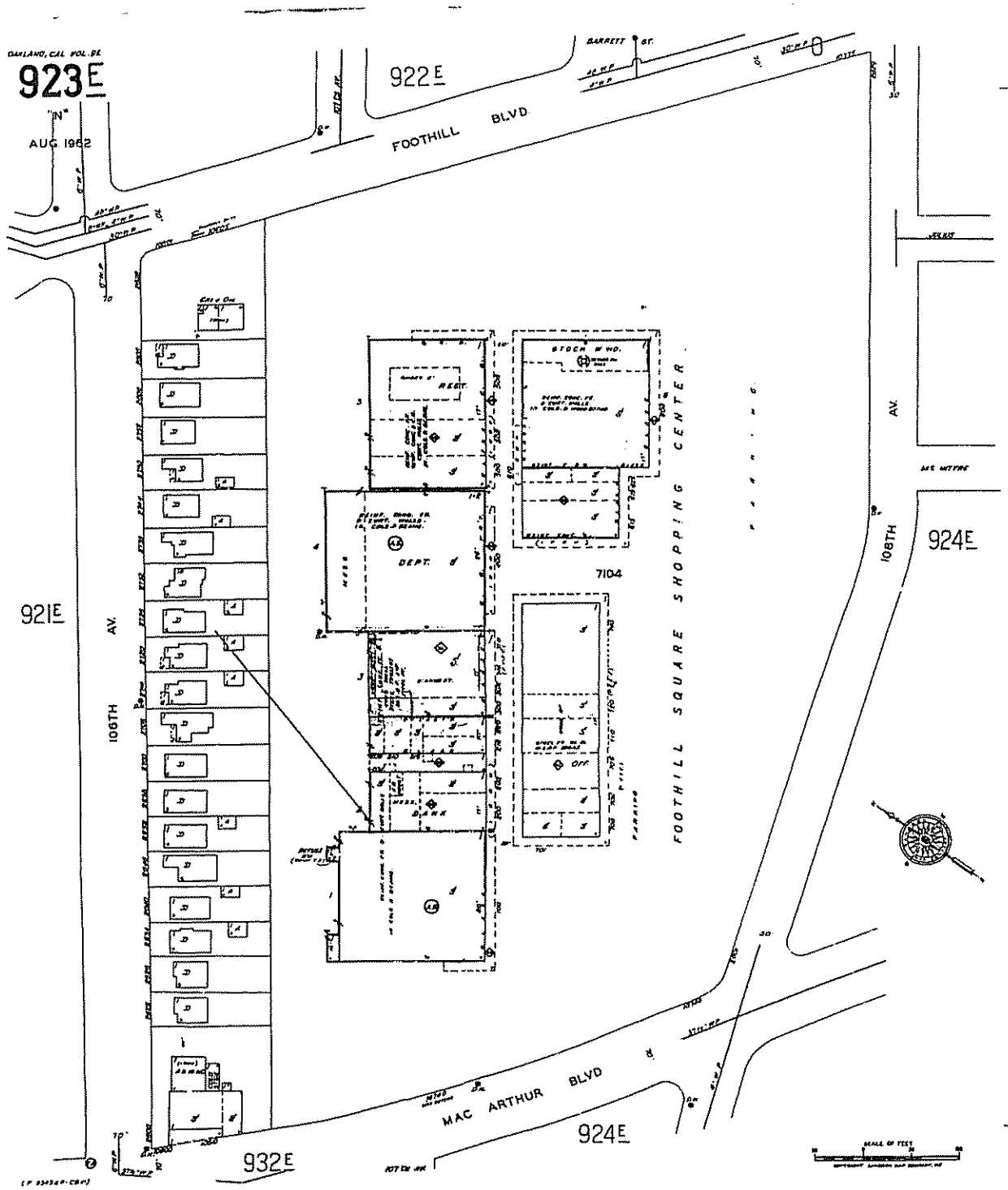
Flyer: USGS

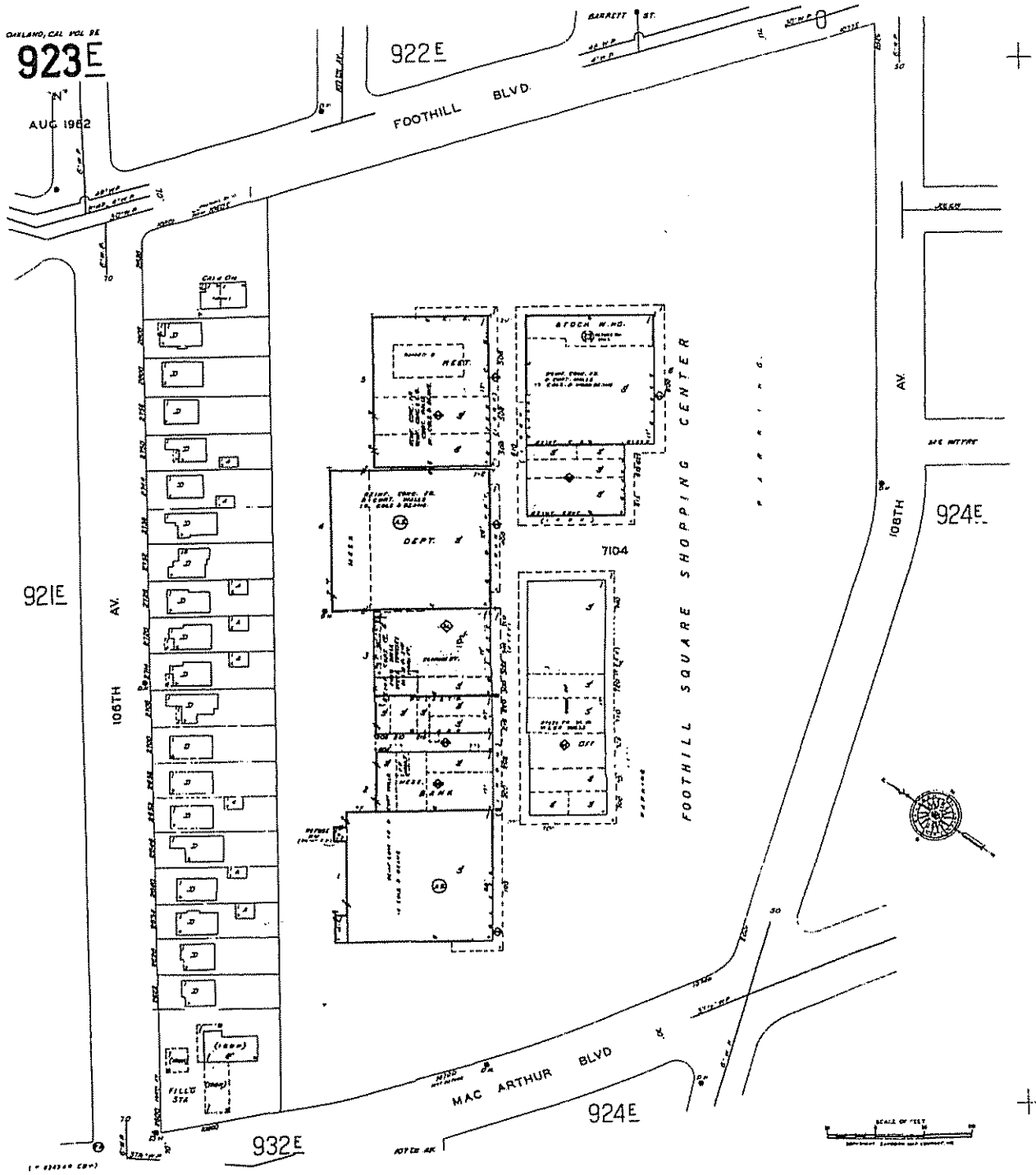
Scale: 1"=666'

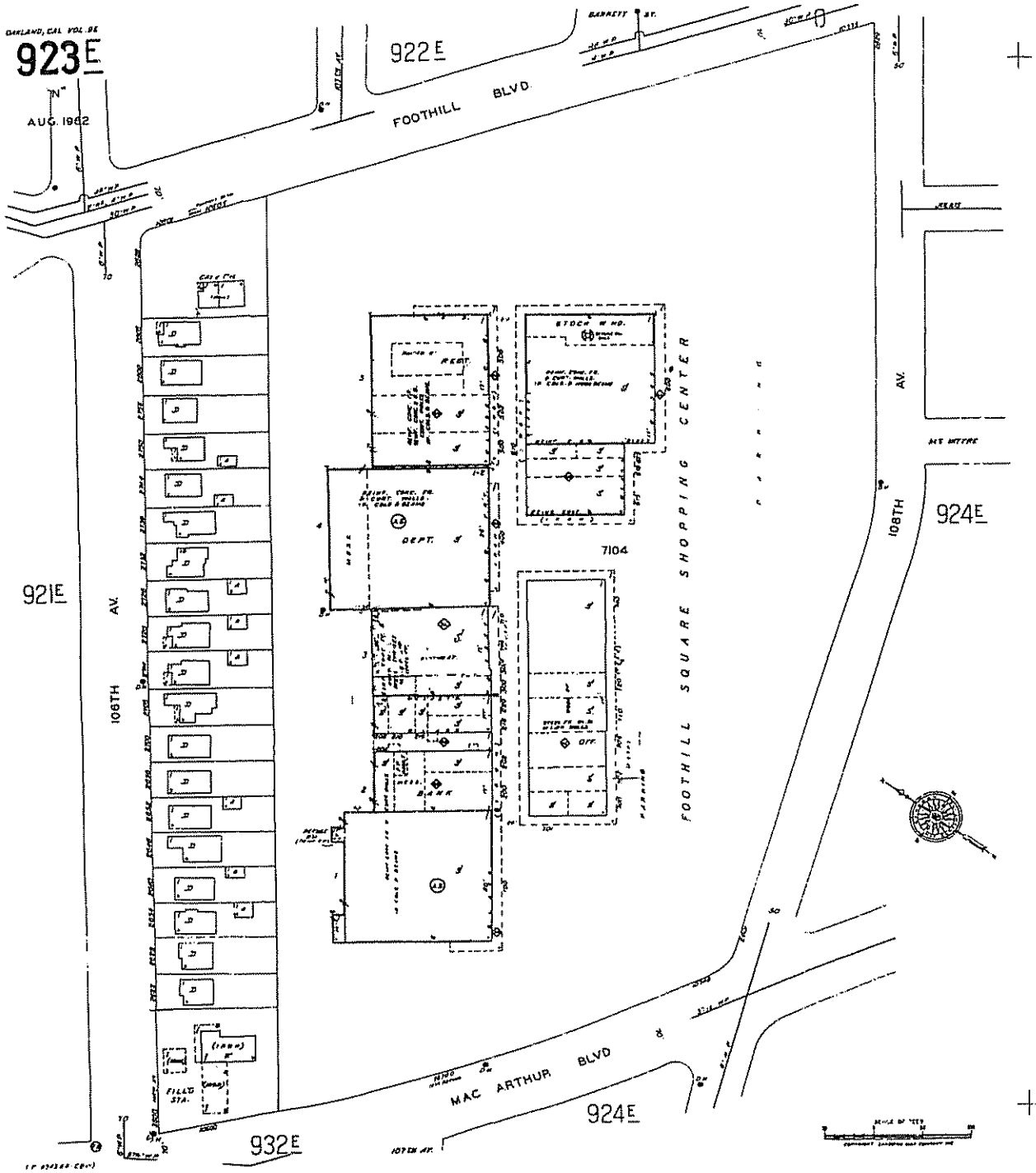


Appendix C

Sanborn Maps







Appendix D

Quarterly Groundwater Monitoring Report, Fourth Quarter 2005 USA Station No. 57 (Stratus 2006)

STRATUS
ENVIRONMENTAL, INC.

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

January 27, 2006
Project No. 2007-0057-01

Mr. Barney Chan
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: Quarterly Groundwater Monitoring Report, Fourth Quarter 2005, for former USA Service Station No. 57, located at 10700 MacArthur Boulevard, Oakland, CA (LOP No. RO0000232)

Dear Mr. Chan:

Stratus Environmental, Inc. (Stratus) is submitting the attached report which presents the results of the fourth quarter 2005 quarterly monitoring and sampling program on behalf of USA Gasoline Corporation (USA) for the former USA Service Station No. 57, located at 10700 MacArthur Boulevard, Oakland, California (Figure 1). This report is in compliance with Alameda County Department of Environmental Health requirements for underground storage tank (UST) investigations.

If you have any questions regarding this report, please contact Gowri Kowtha at (530) 676-6001.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

PROFESSIONAL GEOLOGIST
Stephen J Carter
No. 5577
STATE OF CALIFORNIA

Stephen J. Carter, P.G.
Sr. Project Supervisor

Gowri S. Kowtha, P.E.
Project Manager

Attachment: Quarterly Groundwater Monitoring Report, Fourth Quarter 2005

cc: Mr. Charles Miller, USA Gasoline Corporation
Mr. Ken Phares, Jay-Phares Corporation
Mr. Peter McIntyre, AEI Consultants

Date January 27, 2006

USA GASOLINE QUARTERLY GROUNDWATER MONITORING REPORT

Facility No: 57 Address: 10700 MacArthur Blvd., Oakland, California

USA Gasoline Project Supervisor: Charles Miller

Consulting Co./Contact Person: Stratus Environmental, Inc./ Gowri S. Kowtha, P.E.

Consultant Project No: 2007-0057-01

Primary Agency/Regulatory ID No: Barney Chan, Alameda County Department of Environmental Health / RO0000232

WORK PERFORMED THIS QUARTER (Fourth 2005):

1. Stratus measured groundwater elevations and collected groundwater samples from wells S-1, S-2, MW-3 through MW-5, MW-7, MW-8, and EX-1 through EX-4 on October 24, 2005. Well MW-6 was dry.

2. Stratus compiled and evaluated groundwater monitoring data.

3. Stratus installed DPE extraction wells EX-1 through EX-4 on October 6 and 7, 2005.

4. Stratus prepared and submitted a report for the third quarter 2005 mass removal event (dated November 11, 2005).

5. Stratus prepared and submitted (November 22, 2005) design drawing and pertinent applications to the City of Oakland Fire Department, requesting authorization for construction, installation and operation of the oxygen injection system using iSOC™.

6 Stratus completed the construction and installation of the oxygen injection system during December 2005.

7. Upon approval from the Fire Department, Stratus started the operation of the oxygen injection system on January 18, 2006.

WORK PROPOSED FOR NEXT QUARTER (First 2006):

1. The next sampling event is tentatively scheduled for January 2006. Groundwater samples will be collected for laboratory analysis from wells S-1, S-2, MW-3 through MW-8, and EX-1 through EX-4.

2. Groundwater samples will be analyzed for total petroleum hydrocarbons as gasoline (TPHG) using U.S. Environmental Protection Agency Method (EPA) Method SW8015B/DHS Luft Manual, and for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), methanol, and ethanol using EPA Method SW8260B.

3 Stratus will prepare and submit a semi-annual waste discharge report to the East Bay Municipal District documenting the volume of treated groundwater that will discharge to the sanitary sewer during the dual phase extraction events.

4. Stratus will conduct bi-monthly site visits to conduct routine operation and maintenance of the oxygen injection system.

5 Stratus will collect additional groundwater samples from select wells (S-1, S-2, MW-3, MW-7, MW-8, EX-1, EX-2, and EX-3) for analyzing biochemical oxygen demand (BOD), total organic carbon (TOC), nitrates, nitrite, ammonia, total phosphorus, orthophosphate, total iron, ferric iron, and heterotrophic plate counts.

6 Stratus will conduct the first quarter 2006 DPE mass removal event.

Current Phase of Project:	Monitoring / Interim Remediation
Frequency of Groundwater Sampling:	All Wells = Quarterly
Frequency of Groundwater Monitoring:	Quarterly
Groundwater Sampling Date:	October 24, 2005
Is Free Product (FP) Present on Site:	No
FP Recovered This Quarter:	NA
Cumulative FP Recovered to Date:	NA
Approximate Depth to Groundwater:	10.12 to 18.68 feet below top of well casing
Groundwater Flow Direction:	South
Groundwater Gradient:	0.017 ft/ft

DISCUSSION:

At the time of the fourth quarter 2005 monitoring event, groundwater elevations had decreased between 0.57 and 2.90 feet in all wells since the previous monitoring event (July 19, 2005). Depth-to-water measurements were corrected to mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 2). The groundwater flow direction was generally to the south at an average gradient of 0.017 ft/ft. Radial groundwater flow patterns have been observed during previous monitoring events.

TPHG, benzene, and MTBE were reported in wells S-1, S-2, MW-3, EX-1, EX-2, and EX-4. TPHG and benzene were also reported in well EX-3. The highest concentrations of TPHG (42,000 µg/L), benzene (13,000 µg/L), and MTBE (410 µg/L) were reported in well EX-2. TBA was reported in wells S-2 (33 µg/L), MW-3 (750 µg/L), EX-1 (120 µg/L), and EX-4 (51 µg/L). 1,2-DCA was reported in wells S-1 (2.2 µg/L), S-2 (32 µg/L), and MW-3 (210 µg/L). DIPE, ETBE, TAME, EDB, methanol, or ethanol were not reported in any of the wells. These results are generally consistent with historical analytical data. The laboratory noted that the pH in the samples collected from wells S-1, S-2, MW-3 through MW-5, MW-7, and EX-1 through EX-4 were above the EPA recommended limit of 2. As the reported results for these wells appear to be generally consistent with historical data, it appears that the elevated pH has not affected data quality. Analytical results of TPHG, benzene, and MTBE for groundwater samples collected on October 24, 2005, are presented in Figure 3.

Stratus completed the construction and installation of the oxygen injection system during December 2005. The oxygen injection system was started for continuous operation beginning January 18, 2006. Prior to start-up, groundwater samples from select monitoring wells were collected on January 11, 2006, to establish baseline concentrations of bio-parameters such as BOD, TOC, heterotrophic plate counts, etc. Stratus will continue to operate the oxygen injection, and collect additional groundwater samples from select wells for bio-parameters analysis to evaluate the performance of the oxygen injection system. Details of system start-up, tabulated summaries of analytical results, and a summary of the monitoring plan for the oxygen injection system will be included in the first quarter 2006 groundwater monitoring report.

ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Table 2 Groundwater Analytical Results for Oxygenates and Additional Compounds
- Figure 1 Site Location Map
- Figure 2 Groundwater Elevation Contour Map (Fourth Quarter 2005)
- Figure 3 Groundwater Analytical Summary (Fourth Quarter 2005)
- Appendix A Field Data Sheets
- Appendix B Sampling and Analysis Procedures
- Appendix C Certified Analytical Reports and Chain-of-Custody Documentation

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
S-1	02/12/87						630	4.4	3.5	37	NA
	03/03/95	13.10	74.74	61.64	910	5,900	260	7.6	16	14	NA
	07/24/95	12.35		62.39	NA	NA	NA	NA	NA	NA	NA
	11/22/95	19.30	78.68	59.38	460	6,100	13	0.69	0.99	1.1	460*
	12/06/95	19.59		59.09	NA	NA	NA	NA	NA	NA	NA
	01/04/96	19.52		59.16	NA	NA	NA	NA	NA	NA	NA
	01/31/97	15.07		63.61	1,100	200	11	6	3	6	200*
	10/10/97	18.90		59.78	530	2,000	<0.5	2.1	<0.5	<2	230*
	01/20/98	16.79		61.89	1,800	200	<0.5	<0.5	1.5	10	87*
	04/28/98	8.37		70.31	130	7,300	1.9	3.2	<0.5	<0.5	310*
	07/31/98	11.61		67.07	310	2,000	0.54	4.6	3.8	0.82	280*
	06/10/99	14.35		64.33	660	150	0.99	<0.5	<0.5	2.4	80*[1]
	10/18/00	17.56		61.12	<50	330	<0.5	0.93	<0.5	<0.5	44
	03/12/02	16.29		62.39	500	<50	2.8	4.8	0.79	4.4	63
	11/19/02	19.53		59.15	190	NA	<0.50	<0.50	<0.50	<0.50	190
	01/09/03	18.14		60.54	510	NA	1.1	<0.50	0.52	<0.50	11
	04/14/03	18.04		60.64	300	NA	<1.0[2]	<1.0[2]	<1.0[2]	<1.0[2]	27
	07/21/03	20.31		58.37	300	NA	<0.50	<0.50	<0.50	<0.50	11
	10/09/03	19.46		59.22	390	NA	<0.50	<0.50	<0.50	<0.50	8.8
	01/15/04	18.21	79.66	61.45	200	NA	<0.50	<0.50	<0.50	<0.50	6.0
	04/08/04	19.29		60.37	140	NA	<0.50	<0.50	<0.50	<0.50	12
	08/10/04	18.86		60.80	110	NA	4.6	<0.50	<0.50	0.51	73
	11/11/04	19.81		59.85	160	NA	<0.50	<0.50	<0.50	<0.50	150
	01/19/05	18.12		61.54	440	NA	<0.50	<0.50	1.4	<0.50	140
	04/14/05	13.94		65.72	320	NA	<0.50	<0.50	<0.50	<0.50	120
	07/19/05	14.11		65.55	240	NA	6.1	<0.50	0.60	<0.50	60
	10/24/05	16.53		63.13	320	NA	5.0	<0.50	1.1	<0.50	37

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S-2	02/12/87		Sheen				3,400	3,800	1,300	11,000	NA
	03/03/95	15.39	76.86	61.47	24,000	6,000	1,900	440	600	2,500	NA
	07/24/95	14.47		62.39	NA	NA	NA	NA	NA	NA	NA
Sheen	11/22/95	21.52	80.93	59.41	NA	NA	NA	NA	NA	NA	NA
	12/06/95	21.78		59.15	NA	NA	NA	NA	NA	NA	NA
	01/04/96	21.75		59.18	NA	NA	NA	NA	NA	NA	NA
	01/31/97	17.25		63.68	NA	NA	NA	NA	NA	NA	NA
Sheen	10/10/97	21.21		59.72	13,000	<50	260	38	190	280	600*
Sheen	01/20/98	19.07		61.86	1,900	2,300	4.6	6.3	<0.5	4.6	190*
	04/28/98	10.47		70.46	22,000	<100	980	160	320	680	570*
	07/31/98	13.71		67.22	160,000	<50	950	290	550	1,700	550*
	11/02/98	17.31		63.62	14,000	<500	170	70	170	230	490*
	06/10/99	16.48		64.45	17,000	<50	650	230	<25	750	490*[1]
	10/18/00	19.70		61.23	4,400	<50	2	64	5.1	12	270
	03/12/02	18.56		62.37	5,100	660	62	44	52	78	430
	11/19/02	21.70		59.23	26,000	NA	1,400	180	520	340	750
	01/09/03	20.37		60.56	16,000	NA	120	32	76	214	270
	04/14/03	19.93		61.00	16,000	NA	160	76	210	290	400
	07/21/03	22.00		58.93	9,700	NA	270	90	200	277	410
	10/09/03	21.58		59.35	10,000	NA	39	9.2	52	26.5	180
	01/15/04	20.44	81.90	61.46	6,300	NA	21	<2.0 [3]	20	3.1	130
	04/08/04	17.15		64.75	13,000	NA	160	76	170	231	430
	08/10/04	20.98		60.92	10,000	NA	76	13	<5.0[3]	500	92
	11/11/04	21.95		59.95	20,000	NA	530	240	370	1,730	420
	01/19/05	20.33		61.57	17,000	NA	590	150	250	990	580
	04/14/05	16.17		65.73	20,000	NA	830	230	570	1,980	510
	07/19/05	16.25		65.65	970	NA	48	13	16	57	72
	10/24/05	18.07		63.83	1,200	NA	100	13	52	41	69

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Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-3	03/03/95	13.99	76.30	62.31	2,500	1,600	540	92	36	200	NA
	07/24/95	13.33		62.97	NA	NA	NA	NA	NA	NA	NA
	11/22/95	20.94	80.32	59.38	14,000	5,400	5,700	230	430	650	820*
	12/06/95	17.48		62.84	NA	NA	NA	NA	NA	NA	NA
	01/04/96	20.01		60.31	NA	NA	NA	NA	NA	NA	NA
	01/31/97	16.63		63.69	1,100	<50	130	8	5	5	NA
	10/10/97	20.62		59.70	3,400	1,100	830	4	100	<10	160*
	01/20/98	15.40		64.92	3,900	550	7.9	4.1	<0.5	3.7	<5.0*
	04/28/98	10.51		69.81	800	1,000	82	5.2	5.7	5.4	240*
	07/31/98	13.46		66.86	2,200	610	510	7.6	16	5.27	310*
	11/02/98	17.11		63.21	4,900	1,600	220	16	13	13.7	180*
	06/10/99	15.24		65.08	1,000	120	<0.5	<0.5	<0.5	1.1	120*[1]
	10/18/00	15.41		64.91	<50	<50	<0.5	<0.5	<0.5	<0.5	12
	04/08/04	13.70		66.62	<50	NA	<0.50	<0.50	<0.50	<0.50	19
	08/10/04	16.96		63.36	580	NA	19	<1.0[3]	<1.0[3]	3.3	300
	11/11/04	17.40		62.92	3,000	NA	810	<5.0[3]	43	<5.0[3]	690
	01/19/05	13.28		67.04	92	NA	18	<0.50	0.77	<0.50	17
	04/14/05	8.73		71.59	<50	NA	0.52	<0.50	<0.50	<0.50	11
	07/19/05	11.94		68.38	390	NA	82	2.3	1.8	9.2	200
	10/24/05	14.70	77.27	62.57	2,100	NA	460	6.9	7.7	11.9	300

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MW-4	11/22/95	14.99	76.42	61.43	<50	200	<0.5	1.5	<0.5	1.7	6.4*
	12/06/95	11.21		65.21	NA	NA	NA	NA	NA	NA	NA
	01/04/96	14.62		61.80	NA	NA	NA	NA	NA	NA	NA
	01/31/97	8.18		68.24	<50	<50	<0.5	2	<0.5	2	11*
	10/10/97	14.14		62.28	<50	<50	<0.5	<0.5	<0.5	<2	<5.0*
	01/20/98	7.05		69.37	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	5.88		70.54	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	8.40		68.02	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	16.08		60.34	NA	NA	NA	NA	NA	NA	NA
	06/10/99	14.81		61.61	NA	NA	NA	NA	NA	NA	NA
	10/18/00	12.71		63.71	<50	<50	<0.5	0.59	0.82	0.53	<5.0*
	03/12/02	8.92		67.50	<50	<50	<0.5	0.61	0.72	2.5	1.8
	11/19/02	13.24		-13.24	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/09/03	11.00		-11.00	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/03	11.03		-11.03	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/21/03	13.10		-13.10	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/09/03	13.33		-13.33	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/15/04	12.14		-12.14	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/08/04	10.76		65.66	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/04	12.62		63.80	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/04	11.93		64.49	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/19/05	10.34		66.08	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/05	5.66	[4]	NM	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	7.55	[4]	NM	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/24/05	10.12	76.26	66.14	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50

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MW-5	11/22/95	19.56	80.52	60.96	<50	280	<0.5	1.8	<0.5	3	2.2*
	12/06/95	15.84		64.68	NA	NA	NA	NA	NA	NA	NA
	01/04/96	19.36		61.16	NA	NA	NA	NA	NA	NA	NA
	01/31/97	13.31		67.21	80	<50	<0.5	0.6	<0.5	2	6*
	10/10/97	17.80		62.72	<50	<50	<0.5	<0.5	<0.5	<2	<5*
	01/20/98	12.58		67.94	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	9.45		71.07	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	7.38		73.14	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	15.98		64.54	<50	<500	<0.5	<0.5	<0.5	<0.5	<5.0*
	06/10/99	14.60		65.92	NA	NA	NA	NA	NA	NA	NA
	10/18/00	17.77		62.75	<50	<50	<0.5	0.75	<0.5	0.79	28
	03/12/02	15.72		64.80	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/19/02	NM		NM				Well Damaged			
	01/09/03	NM		NM				Well Damaged			
	04/14/03	NM		NM				Well Damaged			
	07/21/03	NM		NM				Well Damaged			
	10/09/03	NM		NM				Well Damaged			
	01/15/04	NM		NM				Well Damaged			
	04/08/04	16.80		63.72	<100	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/04	18.58		61.94	89	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/04	NM		NM				Well Damaged			
	01/19/05	NM		NM				Well Damaged			
	04/14/05	10.57	[4]	NM	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	11.77	[4]	NM	<100[2]	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/24/05	14.29	80.78	66.49	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50

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MW-6	11/22/95	21.73	81.64	59.91	<50	140	<0.5	1.2	<0.5	1.5	5.3*
	12/06/95	18.03		63.61	NA	NA	NA	NA	NA	NA	NA
	01/04/96	21.67		59.97	NA	NA	NA	NA	NA	NA	NA
	01/31/97	16.01		65.63	70	<50	<0.5	2	<0.5	<1	5*
	10/10/97	20.55		61.09	80	<50	<0.5	<0.5	<0.5	<2	<5*
	01/20/98	15.74		65.90	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	10.78		70.86	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	13.97		67.67	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	17.97		63.67	NA	NA	NA	NA	NA	NA	NA
	06/10/99	16.92		64.72	NA	NA	NA	NA	NA	NA	NA
	10/18/00	NM		NM	Unable to Locate						
	03/12/02	NM		NM	Unable to Locate						
	11/19/02	NM		NM	Unable to Locate						
	01/09/03	NM		NM	Unable to Locate						
	04/14/03	NM		NM	Unable to Locate						
	07/21/03	NM		NM	Unable to Locate						
	10/19/03	NM		NM	Unable to Locate						
	01/15/04	NM		NM	Unable to Locate						
	04/08/04	NM		NM	Well Obstructed - Not Sampled						
	08/10/04	NM		NM	Well Obstructed - Not Sampled						
	11/11/04	NM		NM	Well Obstructed - Not Sampled						
	01/19/05	NM		NM	Well Obstructed - Not Sampled						
	04/14/05	15.78		65.86	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	NM		NM	Well Obstructed - Not Sampled						
	10/24/05	NM	82.32	NM	Well Obstructed - Not Sampled						

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MW-7	11/22/95	19.38	78.86	59.48	<50	180	<0.5	0.57	<0.5	0.62	0.73*
	12/06/95	19.72		59.14	NA	NA	NA	NA	NA	NA	NA
	01/04/96	19.76		59.10	NA	NA	NA	NA	NA	NA	NA
	01/31/97	15.25		63.61	70	<50	0.7	1	<0.5	<1	8*
	10/10/97	19.03		59.83	<50	<50	<0.5	<0.5	<0.5	<2	15*
	01/20/98	17.11		61.75	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	8.22		70.64	<50	<50	<0.5	<0.5	<0.5	<0.5	9.3*
	07/31/98	11.53		67.33	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	15.15		63.71	NA	NA	NA	NA	NA	NA	NA
	06/10/99	14.23		64.63	NA	NA	NA	NA	NA	NA	NA
	10/18/00	17.59		61.27	NA	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	03/12/02	16.54		62.32	<50	<50	<0.5	<0.5	<0.5	<0.5	2.9
	11/19/02	19.59		-19.59	<50	NA	<0.50	<0.50	<0.50	<0.50	3.8
	01/09/03	18.38		-18.38	<50	NA	<0.50	<0.50	<0.50	<0.50	2.7
	04/14/03	18.17		-18.17	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/21/03	20.29		-20.29	<50	NA	<0.50	<0.50	<0.50	<0.50	1.8
	10/09/03	19.48		-19.48	<50	NA	<0.50	<0.50	<0.50	<0.50	2.9
	01/15/04	18.45	79.81	61.36	<50	NA	<0.50	<0.50	<0.50	<0.50	2.6
	04/08/04	17.28		62.53	<50	NA	<0.50	<0.50	<0.50	<0.50	0.81
	08/10/04	18.85		60.96	<50	NA	<0.50	<0.50	<0.50	<0.50	2.1
	11/11/04	19.85		59.96	<50	NA	<0.50	<0.50	<0.50	<0.50	1.0
	01/19/05	19.59		60.22	<50	NA	<0.50	<0.50	<0.50	<0.50	1.5
	04/14/05	14.17		65.64	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	14.16		65.65	<50	NA	<0.50	<0.50	<0.50	<0.50	1.9
	10/24/05	16.65		63.16	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57

10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-8	11/22/95	33.33	79.55	46.22	<50	360	<0.5	1.3	<0.5	2.1	2.1*
	12/06/95	17.57		61.98	NA	NA	NA	NA	NA	NA	NA
	01/04/96	20.08		59.47	NA	NA	NA	NA	NA	NA	NA
	01/31/97	18.72		60.83	80	<50	0.6	1	<0.5	1	8*
	10/10/97	20.26		59.29	50	<50	<0.5	<0.5	<0.5	<2	<5*
	01/20/98	15.91		63.64	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	04/28/98	10.39		69.16	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	07/31/98	12.93		66.62	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0*
	11/02/98	16.90		62.65	<50	<500	<0.5	<0.5	<0.5	<0.5	<5.0*
	06/10/99	14.98		64.57	NA	NA	NA	NA	NA	NA	NA
	10/18/00	16.27		63.28	<50	<50	<0.5	<0.5	1.1	6.3	8.6*
	03/12/02	14.56		64.99	<50	<50	<0.5	0.63	0.55	1.7	0.94
	11/19/02	21.14		-21.14	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/09/03	17.90		-17.90	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/03	17.84		-17.84	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/21/03	19.79		-19.79	<100[2]	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/09/03	21.02		-21.02	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/15/04	18.10	80.50	62.40	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/08/04	17.51		62.99	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	08/10/04	20.76		59.74	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	11/11/04	21.38		59.12	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	01/19/05	17.20		63.30	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	04/14/05	12.68		67.82	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	07/19/05	15.78		64.72	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50
	10/24/05	18.68		61.82	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	TPHG (µg/L)	TPHD (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
EX-1	10/24/05	14.37	77.72	63.35	5,000	NA	140	8.4	20	195	360
EX-2	10/24/05	16.00	76.96	60.96	42,000	NA	13,000	1,300	1,300	2,580	410
EX-3	10/24/05	14.85	78.87	63.02	20,000	NA	220	21	660	3,110	<10[3]
EX-4	10/24/05	14.93	77.96	63.03	1,900	NA	390	69	8.8	90	11

Note:

* = MTBE analyzed using EPA Method 8020/8021B
MTBE = Methyl tert-butyl ether
TPHD = Total petroleum hydrocarbons as diesel
TPHG = Total petroleum hydrocarbons as gasoline
TPHG analyzed using EPA Method 8015B and the remaining analytes using EPA Method 8260B

msl = Mean sea level
µg/L = micrograms per liter

NA = Not analyzed
NM = Not measured

[1] Laboratory indicates the chromatogram does not match the diesel hydrocarbon range pattern.
[2] Reporting limits were increased due to sample foaming.
[3] Reporting limits were increased due to high concentrations of target analytes.
[4] Casing elevation invalid - well casing modified (cut) on April 12, 2005.

Monitoring wells surveyed by Morrow Surveying on February 10, 2004, and again on November 29, 2005.

Data prior to November 19, 2002 provided by GHH Engineering.

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
S-1	11/19/02	190	<10	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	11	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	27	<20[2]	<2.0[2]	<2.0[2]	<2.0[2]	NA	NA	NA	NA
	07/21/03	11	<10[2]	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	8.8	6.4	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	6.0	10	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	12	8.5	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	73	28	<1.0	<1.0	<1.0	16	<2.0	<5,000	<5,000
	11/11/04	150	14	<1.0	<1.0	<1.0	7.3	<2.0	<5,000	<5,000
	01/19/05	140	14	<1.0	<1.0	<1.0	3.8	<2.0	<5,000	<5,000
	04/14/05	120	10	<1.0	<1.0	<1.0	1.4	<2.0	<5,000	<5,000
	07/19/05	60	11	<1.0	<1.0	<1.0	9.6	<2.0	<5,000	<5,000
	10/24/05	37	<10	<1.0	<1.0	<1.0	2.2	<2.0	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
S-2	11/19/02	750	<200[1]	<20[1]	<20[1]	<20[1]	NA	NA	NA	NA
	01/09/03	270	<100[1]	<10[1]	<10[1]	<10[1]	NA	NA	NA	NA
	04/14/03	400	95	<5.0[1]	<5.0[1]	<5.0[1]	NA	NA	NA	NA
	07/21/03	410	110	<5.0[1]	<5.0[1]	<5.0[1]	NA	NA	NA	NA
	10/09/03	180	57	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<20[1]	NA	NA
	01/15/04	130	48	<4.0[1]	<4.0[1]	<4.0[1]	<4.0[1]	<16[1]	NA	NA
	04/08/04	430	130	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<20[1]	<5,000	<5,000
	08/10/04	92	<100[1]	<10[1]	<10[1]	<10[1]	74	<40[1]	<5,000	<5,000
	11/11/04	420	<200[1]	<20[1]	<20[1]	<20[1]	<20[1]	<80[1]	<5,000	<5,000
	01/19/05	580	200	<5.0[1]	<5.0[1]	<5.0[1]	8.2	<20[1]	<5,000	<5,000
	04/14/05	510	150	<10[1]	<10[1]	<10[1]	<10[1]	<40[1]	<5,000	<5,000
	07/19/05	72	37	<1.0	<1.0	<1.0	38	<2.0	<5,000	<5,000
	10/24/05	69	33	<1.0	<1.0	<1.0	35	<4.0[1]	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-3	04/08/04	19	7.6	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	300	2,000	2.2	<2.0[1]	<2.0[1]	270	<8.0[1]	<5,000	<5,000
	11/11/04	690	1,400	<10[1]	<10[1]	<10[1]	140	<40[1]	<5,000	<5,000
	01/19/05	17	19	<1.0	<1.0	<1.0	1.4	<2.0	<5,000	<5,000
	04/14/05	11	25	<1.0	<1.0	<1.0	6.2	<2.0	<5,000	<5,000
	07/19/05	200	1,000	<2.0[1]	<2.0[1]	<2.0[1]	240	<8.0[1]	<5,000	<5,000
	10/24/05	300	750	<5.0[1]	<5.0[1]	<5.0[1]	210	<20[1]	<5,000	<5,000
MW-4	11/19/02	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	<0.50	7.8	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	01/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-5	11/19/02					Well Damaged				
	01/09/03					Well Damaged				
	04/14/03					Well Damaged				
	07/21/03					Well Damaged				
	10/09/03					Well Damaged				
	01/15/04					Well Damaged				
	04/08/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<4.0[2]	<5,000	<5,000
	08/10/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04					Well Damaged				
	01/19/05					Well Damaged				
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<4.0[2]	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
MW-6	11/19/02					Unable to Locate				
	01/09/03					Unable to Locate				
	04/14/03					Unable to Locate				
	07/21/03					Unable to Locate				
	10/19/03					Unable to Locate				
	01/15/04					Unable to Locate				
	04/08/04					Well Obstructed - Not Sampled				
	08/10/04					Well Obstructed - Not Sampled				
	11/11/04					Well Obstructed - Not Sampled				
	01/19/05					Well Obstructed - Not Sampled				
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05					Well Dry - Not Sampled				
	10/24/05					Well Dry - Not Sampled				

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
MW-7	11/19/02	3.8	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	2.7	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/03	1.8	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	2.9	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	2.6	7.9	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	0.81	9.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	2.1	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04	1.0	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	01/19/05	1.5	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	1.9	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
MW-8	11/19/02	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	01/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	04/14/03	<0.50	<5.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/21/03	<0.50	<10[2]	<1.0	<1.0	<1.0	NA	NA	NA	NA
	10/09/03	<0.50	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	01/15/04	<0.50	9.9	<1.0	<1.0	<1.0	<1.0	<2.0	NA	NA
	04/08/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	08/10/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	11/11/04	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	01/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	04/14/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	07/19/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000
	10/24/05	<0.50	<10	<1.0	<1.0	<1.0	<1.0	<2.0	<5,000	<5,000

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FOR OXYGENATES AND ADDITIONAL COMPOUNDS

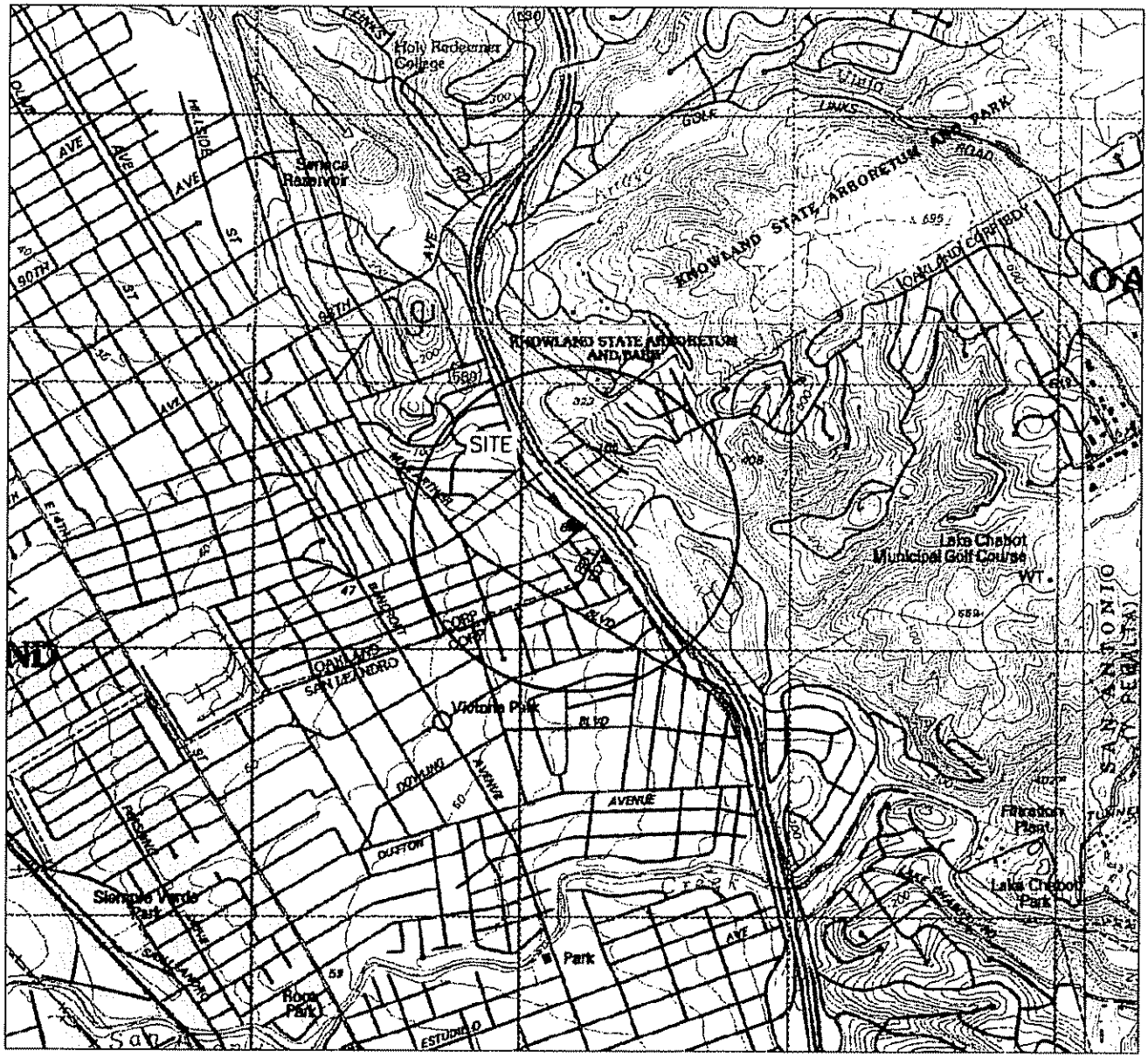
Former USA Service Station No. 57
10700 MacArthur Blvd., Oakland, California

Well Number	Date Collected	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Methanol (µg/L)	Ethanol (µg/L)
EX-1	10/24/05	360	120	<1.0	<1.0	<1.0	<1.0	<4.0[1]	<5,000	<5,000
EX-2	10/24/05	410	<2,000[1]	<200[1]	<200[1]	<200[1]	<200[1]	<800[1]	<5,000	<5,000
EX-3	10/24/05	<10[1]	<200[1]	<20[1]	<20[1]	<20[1]	<20[1]	<80[1]	<5,000	<5,000
EX-4	10/24/05	11	51	<5.0[1]	<5.0[1]	<5.0[1]	<5.0[1]	<20[1]	<5,000	<5,000

Note:
Oxygenates analyzed using EPA Method 8260B
µg/L = micrograms per liter
NA = Not analyzed

[1] Reporting limits were increased due to high concentrations of target analytes
[2] Reporting limits were increased due to sample foaming

MTBE = Methyl tertiary butyl ether
TBA = Tertiary butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND, CA
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

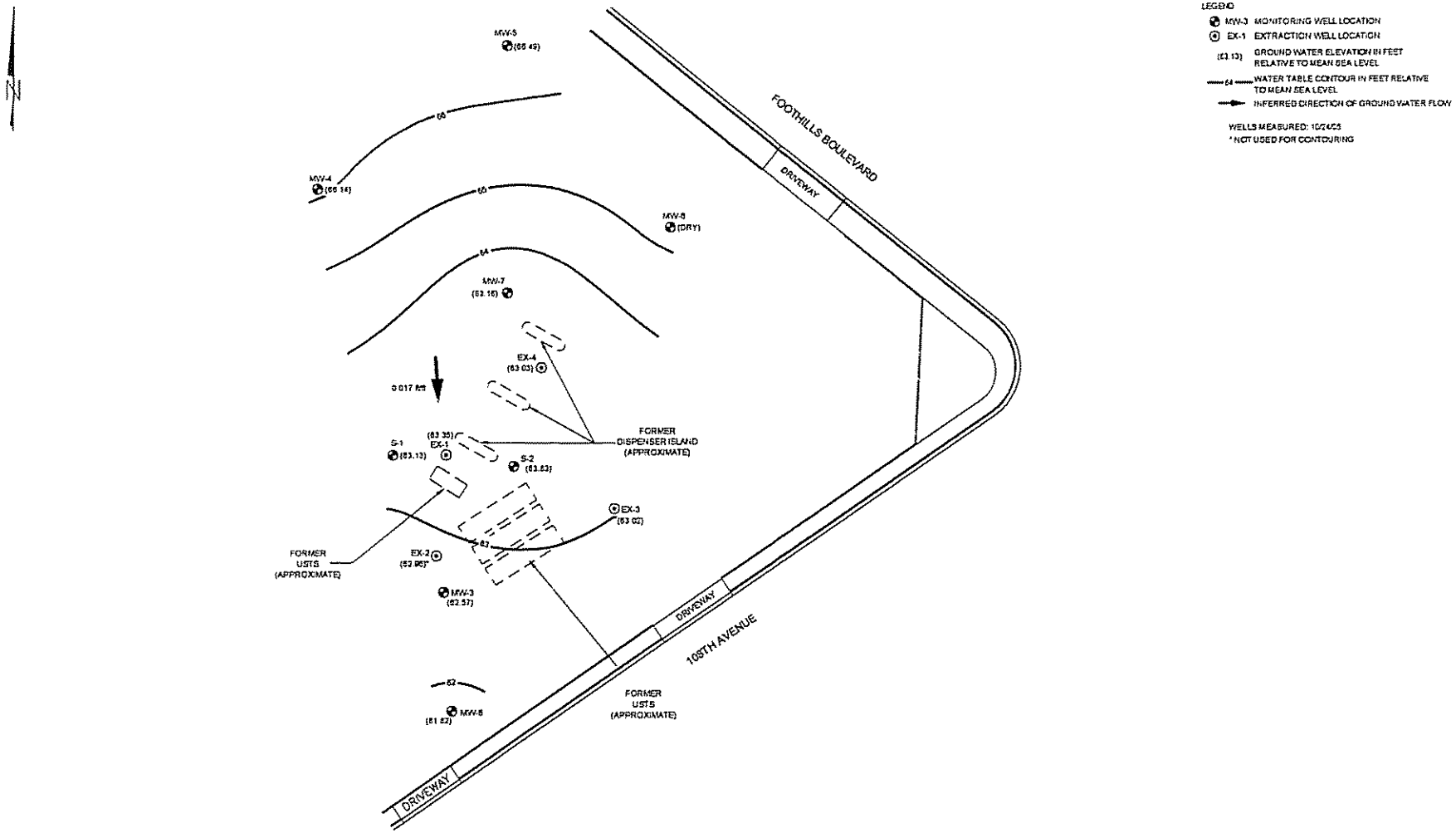
USA\57\Quarterly JMP Nov 17, 2005 USA 57Site Location Map.dwg

STRATUS
ENVIRONMENTAL, INC.

FORMER USA SERVICE STATION NO. 57
10700 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
PROJECT NO.
2007-0057-01



STRATUS ENVIRONMENTAL, INC.

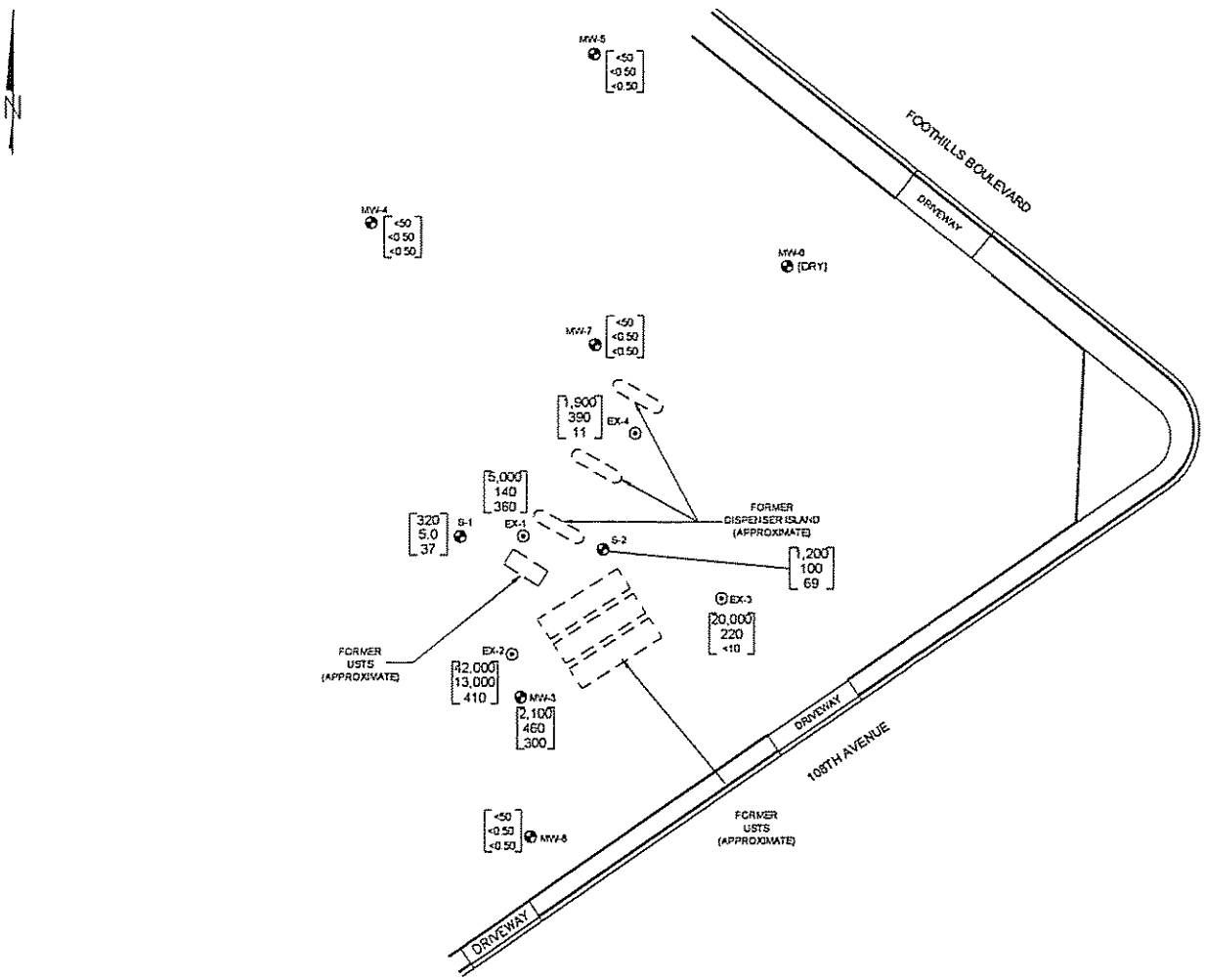
0 40 FT
HORZ. SCALE

FORMER USA SERVICE STATION NO. 57
10700 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
4th QUARTER 2005

FIGURE
2

PROJECT NO.
2007-0057-01



STRATUS ENVIRONMENTAL, INC.

FORMER USA SERVICE STATION NO. 57
10700 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY
4th QUARTER 2005

FIGURE
3

PROJECT NO.
2007-0057-01

APPENDIX A

FIELD DATA SHEETS

T0600101808

STRATUS ENVIRONMENTAL INC.

Global ID: T0600101808
Site Address: 10700 Macarthur Blvd
City: Oakland, CA
Sampled By: Vince Zalutka

Site Number: USA57
Project No: 1157
Project PM:
Date: 10/24/05

ORIGINAL

10/24/05

Locks - 11

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of well feet	Casing Water Column (A)	Well Diameter (Inches)	Multiplier Value (B)	Three Casing Volumes (Gallons)	Actual Water Purged (Gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample ID	Sample time	Dissolved Oxygen (mg/L)
MW-3	0551	14.70		42.5	27.8	4	2	56	28-5 Dry			X		37.30	MW-3	0827	1.33
MW-4	0602	10.12		39	28.88	4	2	58	58			X		32.45	MW-4	1050	4.18
MW-5	0607	14.29	Silt/Rock 05	34	19.71	4	2	39	10-Dry			X		14.71	MW-5	1431	N/m
MW-6	0636	~~17~~ Dry		~~17/40~~	0	4	2	0	Dry	X				N/m	MW-6	N/S	—
MW-7	0611	16.65		42	25.35	4	2	51	51			X		27.87	MW-7	1246	N/m
MW-8	0545	18.68		37.5	18.82	4	2	38	24-Dry			X		32.29	MW-8	0958	5.35
S-1	0558	16.53		41	24.47	3	1	24	12-Dry			X		20.03	S-1	0944	.95
S-2	0618	18.07		42	23.93	3	1	24	20-Dry			X		25.70	S-2	1420	N/m
EX-1	0609	14.37		25	10.63	4	2	21	16-Dry		X			22.25	EX-1	1104	1.15
EX-2	0555	16.00		25	9	4	2	18	14-Dry		X			23.32	EX-2	0810	2.83
EX-3	0628	14.85		25	10.15	4	2	20	15-Dry		X			22.97	EX-3	1356	N/m
EX-4	0615	14.93		25	10.07	4	2	20	15-Dry		X			22.75	EX-4	1407	N/m

(A) Casing water Column
Depth wtr. Depth to Bottom

Multiplier Values
2" = 0.5 3" = 1.0 4"=2.0 6"=4.4

STRATUS ENVIRONMENTAL, INC.

Site Address 10700 Macarthur Blvd
City Oakland, CA
Sampled By: Vince Zalutka

Site Number USA 57
Project No U 57
Project PM 0
Date 10/24/05

ORIGINAL

Well ID	MW-3			
purge start time	0750	Lite Odor		
	Temp C	pH	cond	gallons
time	19.9	6.66	561	⊗
time	19.7	6.71	540	28
time	DRY @	28.5		
time	19.4	6.65	536	28.5
purge stop time				

Well ID	MW-4	1050		
purge start time	1018	No Odor		
	Temp C	pH	cond	gallons
time	20.7	7.13	510	⊗
time	21.5	7.14	486	29
time	20.1	7.23	494	58
time				
purge stop time	1040			

Well ID	MW-5	1431		
purge start time	1312	No Odor		
	Temp C	pH	cond	gallons
time	20.8	8.27	591	⊗
time	Dry @ 10 gal			
time	20.6	8.13	554	10
time				
purge stop time				

Well ID	MW-6			
purge start time	DRY			
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	MW-7	1246		
Purge start time	1217	No Odor		
	Temp C	pH	cond	gallons
time	19.5	7.41	493	⊗
time	19.7	7.45	470	25
time	19.2	7.48	457	51
time				
purge stop time	1237			

Well ID	MW-8	0958		
Purge start time	0845	No Odor		
	Temp C	pH	cond	gallons
time	19.4	6.78	605	⊗
time	19.6	7.00	560	19
time	Dry @ 24 gal			
time	19.1	6.74	532	24
purge stop time				

Well ID	S-1	0944		
purge start time	0909	No Odor		
	Temp C	pH	cond	gallons
time	19.9	7.05	503	⊗
time	19.8	6.92	517	12
time	Dry @	12.25		
time	19.5	6.88	541	12
purge stop time				

Well ID	S-2			
purge start time	1335	Odor		
	Temp C	pH	cond	gallons
time	19.4	6.88	490	⊗
time	20.8	7.03	454	12
time	Dry @	20 gal		
time	19.1	6.95	432	20
purge stop time				

STRATUS ENVIRONMENTAL, INC.

Site Address 10700 Macarthur Blvd
City Oakland, CA
Sampled By: Vince Zalutka

Site Number USA 57
Project No U 57
Project PM 0
Date 10/24/05

ORIGINAL

Well ID	EX-1	1104		
purge start time	Bailer	No Odor		
	Temp C	pH	cond	gallons
time	20.6	6.56	585	8
time	19.7	6.64	646	11
time	Dry @	16		
time	19.6	6.66	638	16
purge stop time				

Well ID	EX-2	0810		
purge start time	Bailer		Odor	
	Temp C	pH	cond	gallons
time	20.9	6.85	588	8
time	20.7	6.88	602	10
time	DRY @	14 gal		
time	19.8	6.87	663	14
purge stop time				

Well ID	EX-3	1356		
purge start time	Bailer	No Odor		
	Temp C	pH	cond	gallons
time	19.5	7.06	676	8
time	19.4	7.07	675	11
time	Dry @ 15 gal			
time	19.2	7.07	609	15
purge stop time				

Well ID	EX-4	1407		
purge start time	Bailer	No Odor		
	Temp C	pH	cond	gallons
time	19.9	7.27	532	8
time	20.0	7.37	557	10
time	Dry	@ 15 gal		
time	19.4	7.37	NM	15
purge stop time				

Well ID	0			
Purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	0			
Purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	0			
purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

Well ID	0			
purge start time				
	Temp C	pH	cond	gallons
time				
time				
time				
time				
purge stop time				

STRATUS ENVIRONMENTAL, INC.

Site Address: 10700 MacArthur
City Oakland
Sampled By CHLee

ORIGINAL

Site Number: USA 57
Project No.
Project PM Gouveia/Steve
Date Sampled 10-17-04

Site Contact Phone No.

Development

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of Well feet	Casing Water Column (A)	Well Diameter (inches)	Multiplier Value (B)	Casing Volumes (gallons)	Actual Water Purged (gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample Time	Dissolved Oxygen (mg/L)
EX-1	0740	13.34		25	11.68	4	.65	75	20 DRY			X					
EX-2	0731	15.47		25	9.53	4	.65	61	20 DRY			X					
EX-3	0705	16.20		25	8.8	4	.65	57	20 DRY			X					
EX-4	0720	14.57		25	10.43	4	.65	67	20 DRY			X					
EX-1	20	GALS	DRY		Very slow Recharge												
EX-2	20	GALS	DRY														
EX-3	20	GALS	DRY														
EX-4	20	GALS	DRY														
	USE	Bail	To	Surge	wells												

(A) Casing water Column
Depth wtr. Depth to Bottom

Multiplier Values
2"=0.5 4"=2.0 6"=4.4

APPENDIX B

SAMPLING AND ANALYSIS PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

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

Subjective Analysis of Ground Water

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

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

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

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of accruing to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconforments, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

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

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

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

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

- Calibration standards and devices – traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks – reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates – duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks – reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Alpha Analytical, Inc.

255 Glendale Ave • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 10/26/05

Job#: 2007-0057-01/ USA 57

GC/MSD by Direct Injection
EPA Method SW8260B-DI

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	S-1					
Lab ID :	STR05102634-01A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	S-2					
Lab ID :	STR05102634-02A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	MW-3					
Lab ID :	STR05102634-03A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	MW-4					
Lab ID :	STR05102634-04A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	MW-5					
Lab ID :	STR05102634-05A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	MW-7					
Lab ID :	STR05102634-06A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	MW-8					
Lab ID :	STR05102634-07A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	EX-1					
Lab ID :	STR05102634-08A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	EX-2					
Lab ID :	STR05102634-09A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	EX-3					
Lab ID :	STR05102634-10A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05
Client ID :	EX-4					
Lab ID :	STR05102634-11A	Methanol	ND	5,000 µg/L	10/24/05	10/27/05
		Ethanol	ND	5,000 µg/L	10/24/05	10/27/05

Alpha Analytical, Inc.

255 Glendale Ave • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Reported in micrograms per liter, per client request.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

11/2/05
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Gowri Kowtha
Phone: (530) 676-6001
Fax: (530) 676-6005
Date Received : 10/26/05

Job#: 2007-0057-01/ USA 57

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B/DHS LUFT Manual
Volatile Organic Compounds (VOCs) EPA Method SW8260B

	Parameter	Concentration		Reporting Limit	Date Sampled	Date Analyzed
Client ID :	TPH Purgeable	320		50 µg/L	10/24/05	10/28/05
S-1	Tertiary Butyl Alcohol (TBA)	ND		10 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	37		0 50 µg/L	10/24/05	10/28/05
STR05102634-01A	Di-isopropyl Ether (DIPE)	ND		1 0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1 0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	2 2		1 0 µg/L	10/24/05	10/28/05
	Benzene	5 0		0 50 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND		1 0 µg/L	10/24/05	10/28/05
	Toluene	ND		0 50 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND		2 0 µg/L	10/24/05	10/28/05
	Ethylbenzene	1 1		0 50 µg/L	10/24/05	10/28/05
	m,p-Xylene	ND		0 50 µg/L	10/24/05	10/28/05
	o-Xylene	ND		0 50 µg/L	10/24/05	10/28/05
Client ID :	TPH Purgeable	1,200		100 µg/L	10/24/05	10/28/05
S-2	Tertiary Butyl Alcohol (TBA)	33		10 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	69		0 50 µg/L	10/24/05	10/28/05
STR05102634-02A	Di-isopropyl Ether (DIPE)	ND		1 0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1 0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	35		1.0 µg/L	10/24/05	10/28/05
	Benzene	100		0.50 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	10/24/05	10/28/05
	Toluene	13		0 50 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	V	4 0 µg/L	10/24/05	10/28/05
	Ethylbenzene	52		0 50 µg/L	10/24/05	10/28/05
	m,p-Xylene	27		0.50 µg/L	10/24/05	10/28/05
	o-Xylene	14		0 50 µg/L	10/24/05	10/28/05
Client ID :	TPH Purgeable	2,100		500 µg/L	10/24/05	10/28/05
MW-3	Tertiary Butyl Alcohol (TBA)	750		50 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	300		2 5 µg/L	10/24/05	10/28/05
STR05102634-03A	Di-isopropyl Ether (DIPE)	ND	V	5 0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	V	5 0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	210		5 0 µg/L	10/24/05	10/28/05
	Benzene	460		2 5 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	V	5 0 µg/L	10/24/05	10/28/05
	Toluene	6 9		2 5 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	V	20 µg/L	10/24/05	10/28/05
	Ethylbenzene	7 7		2 5 µg/L	10/24/05	10/28/05
	m,p-Xylene	8 8		2 5 µg/L	10/24/05	10/28/05
	o-Xylene	3 1		2 5 µg/L	10/24/05	10/28/05

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Client ID :	TPH Purgeable	ND	50 µg/L	10/24/05	10/28/05
MW-4	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	0 50 µg/L	10/24/05	10/28/05
STR05102634-04A	Di-isopropyl Ether (DIPE)	ND	1 0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1 0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	ND	1 0 µg/L	10/24/05	10/28/05
	Benzene	ND	0 50 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	1 0 µg/L	10/24/05	10/28/05
	Toluene	ND	0 50 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	2 0 µg/L	10/24/05	10/28/05
	Ethylbenzene	ND	0 50 µg/L	10/24/05	10/28/05
	m,p-Xylene	ND	0 50 µg/L	10/24/05	10/28/05
	o-Xylene	ND	0 50 µg/L	10/24/05	10/28/05
Client ID :	TPH Purgeable	ND	50 µg/L	10/24/05	10/28/05
MW-5	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	0 50 µg/L	10/24/05	10/28/05
STR05102634-05A	Di-isopropyl Ether (DIPE)	ND	1 0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1 0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	ND	1 0 µg/L	10/24/05	10/28/05
	Benzene	ND	0 50 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	1 0 µg/L	10/24/05	10/28/05
	Toluene	ND	0 50 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	2 0 µg/L	10/24/05	10/28/05
	Ethylbenzene	ND	0 50 µg/L	10/24/05	10/28/05
	m,p-Xylene	ND	0 50 µg/L	10/24/05	10/28/05
	o-Xylene	ND	0 50 µg/L	10/24/05	10/28/05
Client ID :	TPH Purgeable	ND	50 µg/L	10/24/05	10/28/05
MW-7	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	0 50 µg/L	10/24/05	10/28/05
STR05102634-06A	Di-isopropyl Ether (DIPE)	ND	1 0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1 0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	ND	1 0 µg/L	10/24/05	10/28/05
	Benzene	ND	0 50 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	1 0 µg/L	10/24/05	10/28/05
	Toluene	ND	0 50 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	2 0 µg/L	10/24/05	10/28/05
	Ethylbenzene	ND	0 50 µg/L	10/24/05	10/28/05
	m,p-Xylene	ND	0 50 µg/L	10/24/05	10/28/05
	o-Xylene	ND	0 50 µg/L	10/24/05	10/28/05
Client ID :	TPH Purgeable	ND	50 µg/L	10/24/05	10/28/05
MW-8	Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	0 50 µg/L	10/24/05	10/28/05
STR05102634-07A	Di-isopropyl Ether (DIPE)	ND	1 0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	1 0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	ND	1.0 µg/L	10/24/05	10/28/05
	Benzene	ND	0 50 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	1 0 µg/L	10/24/05	10/28/05
	Toluene	ND	0 50 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	2 0 µg/L	10/24/05	10/28/05
	Ethylbenzene	ND	0 50 µg/L	10/24/05	10/28/05
	m,p-Xylene	ND	0 50 µg/L	10/24/05	10/28/05
	o-Xylene	ND	0 50 µg/L	10/24/05	10/28/05

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Client ID :	TPH Purgeable	5,000		100 µg/L	10/24/05	10/31/05
EX-1	Tertiary Butyl Alcohol (TBA)	120		10 µg/L	10/24/05	10/31/05
Lab ID :	Methyl tert-butyl ether (MTBE)	360		0.50 µg/L	10/24/05	10/31/05
STR05102634-08A	Di-isopropyl Ether (DIPE)	ND		1.0 µg/L	10/24/05	10/31/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND		1.0 µg/L	10/24/05	10/31/05
	1,2-Dichloroethane	ND		1.0 µg/L	10/24/05	10/31/05
	Benzene	140		0.50 µg/L	10/24/05	10/31/05
	Tertiary Amyl Methyl Ether (TAME)	ND		1.0 µg/L	10/24/05	10/31/05
	Toluene	8.4		0.50 µg/L	10/24/05	10/31/05
	1,2-Dibromoethane (EDB)	ND	V	4.0 µg/L	10/24/05	10/31/05
	Ethylbenzene	20		0.50 µg/L	10/24/05	10/31/05
	m,p-Xylene	160		0.50 µg/L	10/24/05	10/31/05
	o-Xylene	35		0.50 µg/L	10/24/05	10/31/05
Client ID :	TPH Purgeable	42,000		20,000 µg/L	10/24/05	10/28/05
EX-2	Tertiary Butyl Alcohol (TBA)	ND	V	2,000 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	410		100 µg/L	10/24/05	10/28/05
STR05102634-09A	Di-isopropyl Ether (DIPE)	ND	V	200 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	V	200 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	ND	V	200 µg/L	10/24/05	10/28/05
	Benzene	13,300		100 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	V	200 µg/L	10/24/05	10/28/05
	Toluene	1,300		100 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	V	800 µg/L	10/24/05	10/28/05
	Ethylbenzene	1,300		100 µg/L	10/24/05	10/28/05
	m,p-Xylene	1,600		100 µg/L	10/24/05	10/28/05
	o-Xylene	980		100 µg/L	10/24/05	10/28/05
Client ID :	TPH Purgeable	20,000		2,000 µg/L	10/24/05	10/28/05
EX-3	Tertiary Butyl Alcohol (TBA)	ND	V	200 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	ND	V	10 µg/L	10/24/05	10/28/05
STR05102634-10A	Di-isopropyl Ether (DIPE)	ND	V	20 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	V	20 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	ND	V	20 µg/L	10/24/05	10/28/05
	Benzene	220		10 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	V	20 µg/L	10/24/05	10/28/05
	Toluene	21		10 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	V	80 µg/L	10/24/05	10/28/05
	Ethylbenzene	660		10 µg/L	10/24/05	10/28/05
	m,p-Xylene	2,800		10 µg/L	10/24/05	10/28/05
	o-Xylene	310		10 µg/L	10/24/05	10/28/05
Client ID :	TPH Purgeable	1,900		500 µg/L	10/24/05	10/28/05
EX-4	Tertiary Butyl Alcohol (TBA)	51		50 µg/L	10/24/05	10/28/05
Lab ID :	Methyl tert-butyl ether (MTBE)	11		2.5 µg/L	10/24/05	10/28/05
STR05102634-11A	Di-isopropyl Ether (DIPE)	ND	V	5.0 µg/L	10/24/05	10/28/05
	Ethyl Tertiary Butyl Ether (ETBE)	ND	V	5.0 µg/L	10/24/05	10/28/05
	1,2-Dichloroethane	ND	V	5.0 µg/L	10/24/05	10/28/05
	Benzene	390		2.5 µg/L	10/24/05	10/28/05
	Tertiary Amyl Methyl Ether (TAME)	ND	V	5.0 µg/L	10/24/05	10/28/05
	Toluene	69		2.5 µg/L	10/24/05	10/28/05
	1,2-Dibromoethane (EDB)	ND	V	20 µg/L	10/24/05	10/28/05
	Ethylbenzene	8.8		2.5 µg/L	10/24/05	10/28/05
	m,p-Xylene	54		2.5 µg/L	10/24/05	10/28/05
	o-Xylene	36		2.5 µg/L	10/24/05	10/28/05

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V = Reporting Limits were increased due to high concentrations of target analytes
ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / info@alpha-analytical.com

11/2/05
Report Date

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VOC Sample Preservation Report

Work Order: STR05102634 **Project:** 2007-0057-01/ USA 57

Alpha's Sample ID	Client's Sample ID	Matrix	pH
05102634-01A	S-1	Aqueous	5
05102634-02A	S-2	Aqueous	3
05102634-03A	MW-3	Aqueous	3
05102634-04A	MW-4	Aqueous	3
05102634-05A	MW-5	Aqueous	3
05102634-06A	MW-7	Aqueous	3
05102634-07A	MW-8	Aqueous	2
05102634-08A	EX-1	Aqueous	6
05102634-09A	EX-2	Aqueous	5
05102634-10A	EX-3	Aqueous	5
05102634-11A	EX-4	Aqueous	5

11/2/05
Report Date

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Date: *03-Nov-05*

QC Summary Report

Work Order: 05102634

Method Blank

Type: **MBLK** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **05102810.D** Batch ID: **MS08W1028B** Analysis Date: **10/28/2005 13:25**

Sample ID: **MBLK MS08W1028B** Units : µg/L Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH Purgeable	ND	50								
Surr: 1,2-Dichloroethane-d4	9.75		10		98	76	127			
Surr: Toluene-d8	10.7		10		107	84	113			
Surr: 4-Bromofluorobenzene	9.98		10		99.8	79	119			

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **05102808.D** Batch ID: **MS08W1028B** Analysis Date: **10/28/2005 12:39**

Sample ID: **GLCS MS08W1028B** Units : µg/L Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH Purgeable	399	50	400		99.7	78	127			
Surr: 1,2-Dichloroethane-d4	9.78		10		98	76	127			
Surr: Toluene-d8	10.1		10		101	84	113			
Surr: 4-Bromofluorobenzene	9.57		10		96	79	119			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **05102813.D** Batch ID: **MS08W1028B** Analysis Date: **10/28/2005 14:33**

Sample ID: **05102630-01AGS** Units : µg/L Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH Purgeable	2270	250	2000	71 89	110	70	139			
Surr: 1,2-Dichloroethane-d4	48 2		50		96	76	127			
Surr: Toluene-d8	51.1		50		102	84	113			
Surr: 4-Bromofluorobenzene	48.6		50		97	79	119			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8015B/DHS LUFT Manual**

File ID: **05102814.D** Batch ID: **MS08W1028B** Analysis Date: **10/28/2005 14:56**

Sample ID: **05102630-01AGSD** Units : µg/L Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
TPH Purgeable	2250	250	2000	71 89	109	70	139	2275	1 2(12)	
Surr: 1,2-Dichloroethane-d4	47.4		50		95	76	127			
Surr: Toluene-d8	51.1		50		102	84	113			
Surr: 4-Bromofluorobenzene	48.8		50		98	79	119			

Comments:

Calculations are based off of raw (non-rounded) data However, for reporting purposes, all QC data is rounded to three significant figures Therefore, hand calculated values may differ slightly

Reported in micrograms per liter, per client request

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Date: *03-Nov-05*

QC Summary Report

Work Order: 05102634

Method Blank

Type: **MBLK** Test Code: **EPA Method SW8260B**

File ID: **05102810.D** Batch ID: **MS08W1028A** Analysis Date: **10/28/2005 13:25**

Sample ID: **MBLK MS08W1028A** Units : **µg/L** Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Tertiary Butyl Alcohol (TBA)	ND	10								
Methyl tert-butyl ether (MTBE)	ND	0 5								
Di-isopropyl Ether (DIPE)	ND	1								
Ethyl Tertiary Butyl Ether (ETBE)	ND	1								
1,2-Dichloroethane	ND	1								
Benzene	ND	0 5								
Tertiary Amyl Methyl Ether (TAME)	ND	1								
Toluene	ND	0.5								
1,2-Dibromoethane (EDB)	ND	2								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	9.75		10		98	76	127			
Surr: Toluene-d8	10.7		10		107	84	113			
Surr: 4-Bromofluorobenzene	9.98		10		99.8	79	119			

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8260B**

File ID: **05102807.D** Batch ID: **MS08W1028A** Analysis Date: **10/28/2005 12:16**

Sample ID: **LCS MS08W1028A** Units : **µg/L** Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	11	0 5	10		110	81	122			
Toluene	11.5	0.5	10		115	80	120			
Ethylbenzene	11 9	0.5	10		119	80	120			
m,p-Xylene	11.8	0.5	10		118	80	129			
o-Xylene	11.9	0 5	10		119	80	129			
Surr: 1,2-Dichloroethane-d4	10.3		10		103	76	127			
Surr: Toluene-d8	10.4		10		104	84	113			
Surr: 4-Bromofluorobenzene	9.08		10		91	79	119			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8260B**

File ID: **05102811.D** Batch ID: **MS08W1028A** Analysis Date: **10/28/2005 13:48**

Sample ID: **05102630-01AMS** Units : **µg/L** Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	46.1	1.3	50	0	92	74	125			
Toluene	75.6	1.3	50	28 88	94	76	120			
Ethylbenzene	50.5	1.3	50	0	101	77	124			
m,p-Xylene	50.5	1 3	50	0 69	99 6	73	130			
o-Xylene	51.5	1 3	50	0	103	74	131			
Surr: 1,2-Dichloroethane-d4	48.4		50		97	76	127			
Surr: Toluene-d8	52.1		50		104	84	113			
Surr: 4-Bromofluorobenzene	45.3		50		91	79	119			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8260B**

File ID: **05102812.D** Batch ID: **MS08W1028A** Analysis Date: **10/28/2005 14:11**

Sample ID: **05102630-01AMSD** Units : **µg/L** Run ID: **MSD_08_051028A** Prep Date: **10/28/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Benzene	49.3	1.3	50	0	99	74	124	46 13	6.7(13)	
Toluene	80.2	1 3	50	28 88	103	76	119	75.63	5.8(13)	
Ethylbenzene	53.6	1 3	50	0	107	77	124	50 46	6 1(13)	
m,p-Xylene	53.5	1 3	50	0 69	106	73	130	50 51	5 8(14)	
o-Xylene	53.8	1 3	50	0	108	74	131	51 46	4 5(13)	
Surr: 1,2-Dichloroethane-d4	49.8		50		99 7	76	127			
Surr: Toluene-d8	51.8		50		104	84	113			
Surr: 4-Bromofluorobenzene	45.9		50		92	79	119			

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Date: *03-Nov-05*

QC Summary Report

Work Order: 05102634

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Date: *03-Nov-05*

QC Summary Report

Work Order: 05102634

Method Blank

Type: **MBLK** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\051027\05102703.D** Batch ID: **13404** Analysis Date: **10/27/2005 10:12**

Sample ID: **MBLK-13404** Units : **µg/L** Run ID: **MSD_11_051027A** Prep Date: **10/27/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	ND	5000								
Ethanol	ND	5000								
Surr: Hexafluoro-2-propanol	483		500		97	63	137			

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\051027\05102704.D** Batch ID: **13404** Analysis Date: **10/27/2005 10:32**

Sample ID: **LCS-13404** Units : **µg/L** Run ID: **MSD_11_051027A** Prep Date: **10/27/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	270	50	250		108	45	155			
Ethanol	252	5	250		101	51	144			
Surr: Hexafluoro-2-propanol	468		500		94	63	137			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\051027\05102706.D** Batch ID: **13404** Analysis Date: **10/27/2005 11:12**

Sample ID: **05102634-02AMS** Units : **µg/L** Run ID: **MSD_11_051027A** Prep Date: **10/27/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	292	50	250	0	117	45	163			
Ethanol	266	5	250	0	106	50	149			
Surr: Hexafluoro-2-propanol	469		500		94	63	137			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **EPA Method SW8260B-DI**

File ID: **C:\HPCHEM\MS11\DATA\051027\05102707.D** Batch ID: **13404** Analysis Date: **10/27/2005 11:33**

Sample ID: **05102634-02AMSD** Units : **µg/L** Run ID: **MSD_11_051027A** Prep Date: **10/27/2005**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Methanol	274	50	250	0	110	45	163	291.6	6.3(22)	
Ethanol	268	5	250	0	107	50	149	265.8	0.8(15)	
Surr: Hexafluoro-2-propanol	471		500		94	63	137			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per liter, per client request.

Alpha Analytical, Inc.

Phone : (775) 355-1044 FAX : (775) 355-0406

Sample Receipt Checklist

Date Report is due to Client : **11/3/2005** Date of Notice : **10/26/2005 4:02:12**

Please take note of any NO check marks. If we receive no response concerning these items within 24 hours of the date of this notice, all of the samples will be analyzed as requested.

Client Name: **Stratus Environmental**	Project ID : **2007-0057-01/ USA 57**	
Project Manager: **Gowri Kowtha**	Client's EMail: **gkowtha@stratusinc.net**	
	Client's Phone: **(530) 676-6001**	Client's FAX: **(530) 676-6005**
Work Order Number: **STR05102634**	Date Received: **10/26/2005**	Received by: Graciela Navarrete

Chain of Custody (COC) Information

Carrier name: FedEx

Chain of custody present ?	Yes ☑	No ☐	
Custody seals intact on shippping container/cooler ?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles ?	Yes ☐	No ☐	Not Present ☑
Chain of custody signed when relinquished and received ?	Yes ☑	No ☐	
Chain of custody agrees with sample labels ?	Yes ☑	No ☐	
Sample ID noted by Client on COC ?	Yes ☑	No ☐	
Date and time of collection noted by Client on COC ?	Yes ☑	No ☐	
Samplers's name noted on COC ?	Yes ☑	No ☐	
Internal Chain of Custody (COC) requested ?	Yes ☐	No ☑	
Sub Contract Lab Used :	None ☑	SEM ☐	Other (see comments) ☐

Sample Receipt Information

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	Cooler Temperature
Container/Temp Blank temperature in compliance (0-6°C)?	Yes ☑	No ☐	4°C
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TOC Water - pH acceptable upon receipt (H2SO4 pH<2)?	Yes ☐	No ☐	N/A ☑

Analytical Requirement Information

Are non-Standard or Modified methods requested ?	Yes ☐	No ☑	
Are there client specific Project requirements ?	Yes ☐	No ☑	If YES : see the Chain of Custody (COC)

Comments :

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR05102634

Report Due By : 5:00 PM On : 03-Nov-05

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention : Gowri Kowtha
CC Report : Steve Carter

Gowri Kowtha
TEL : (530) 676-6001 x
FAX . (530) 676-6005
EMail : gkowtha@stratusinc.net

Steve Carter
TEL : (530) 676-6008 x
FAX : (530) 676-6005
EMail : scarter@stratusinc.net

Job : 2007-0057-01/ USA 57
PO :

EDD Required : Yes
Sampled by : Vince Zalutka
Client's COC # : none
Cooler Temp 4 °C
Date Printed: 26-Oct-05

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests ALCOHOL_W	TPH/P_W	VOC_W	Sample Remarks
STR05102634-01A	S-1	AQ	10/24/05 09:44	5	0	6		MeOH / EtOH	GAS-C	BTEX 5OXY 1,2-DCA EDB_C	
STR05102634-02A	S-2	AQ	10/24/05 14:20	5	0	6		MeOH / EtOH	GAS-C	BTEX 5OXY 1,2-DCA EDB_C	
STR05102634-03A	MW-3	AQ	10/24/05 08:27	5	0	6		MeOH / EtOH	GAS-C	BTEX 5OXY 1,2-DCA EDB_C	
STR05102634-04A	MW-4	AQ	10/24/05 10:50	5	0	6		MeOH / EtOH	GAS-C	BTEX 5OXY 1,2-DCA EDB_C	
STR05102634-05A	MW-5	AQ	10/24/05 14:31	5	0	6		MeOH / EtOH	GAS-C	BTEX 5OXY 1,2-DCA EDB_C	
STR05102634-06A	MW-7	AQ	10/24/05 12:46	5	0	6		MeOH / EtOH	GAS-C	BTEX 5OXY 1,2-DCA EDB_C	

Comments: Security seals intact, ice frozen. Ca samples. Send copy of receipt checklist with final report.

Logged in by:	Signature	Print Name	Company	Date/Time
	[signature]	G. Navarrete	Alpha Analytical, Inc.	10/26/05 350

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR05102634

Report Due By : 5:00 PM On : 03-Nov-05

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention : Gowri Kowtha
CC Report : Steve Carter

Gowri Kowtha	Steve Carter
TEL : (530) 676-6001 x	TEL : (530) 676-6008 x
FAX : (530) 676-6005	FAX : (530) 676-6005
EMail : gkowtha@stratusinc.net	EMail : scarter@stratusinc.net

Job : 2007-0057-01/ USA 57
PO :

EDD Required : Yes
Sampled by : Vince Zalutka
Client's COC # : none
Cooler Temp : 4 °C
Date Printed: 26-Oct-05

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests ALCOHOL_W	TPH/P_W	VOC_W	Sample Remarks
STR05102634-07A	MW-8	AQ	10/24/05 09:58	5	0	6		MeOH / EtOH	GAS-C	BTEX/ 5OXY/ 1,2-DCA/ EDB_C	
STR05102634-08A	EX-1	AQ	10/24/05 11:04	5	0	6		MeOH / EtOH	GAS-C	BTEX/ 5OXY/ 1,2-DCA/ EDB_C	
STR05102634-09A	EX-2	AQ	10/24/05 08:10	5	0	6		MeOH / EtOH	GAS-C	BTEX/ 5OXY/ 1,2-DCA/ EDB_C	
STR05102634-10A	EX-3	AQ	10/24/05 13:56	5	0	6		MeOH / EtOH	GAS-C	BTEX/ 5OXY/ 1,2-DCA/ EDB_C	
STR05102634-11A	EX-4	AQ	10/24/05 14:07	5	0	6		MeOH / EtOH	GAS-C	BTEX/ 5OXY/ 1,2-DCA/ EDB_C	

Comments: Security seals intact, ice frozen, Ca samples. Send copy of receipt checklist with final report.

Logged in by:	Signature	Print Name	Company	Date/Time
	Graciela Navarrete	G. Navarrete	Alpha Analytical, Inc.	10/26/05 3:50

NOTE. Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:	Stratus Environmental	Global ID:	T0600101808
Address:	3330 Cameron Park Drive	EDF:	YES
City, State, Zip:	Cameron Park, CA 95667	Project #	2007-0057-01
Fax: 530-676-6005	Phone: 530-676-6001	Email:	
		Report Attention:	Gowri / Steve
Client:	USA 57	Sampled By:	Vince Zalutka
Address:	10700 McArthur Blvd.		
City, State, Zip:	Oakland, CA		

Alpha Analytical, Inc.
[illegible] Avenue
Suite 1
Sparks, NV 89431
(775) 355-1044
(775) 355-0406 Fax

Page # 1 of 1

CA 6 days

Time Sampled	Date Sampled	Matrix	Lab ID (For Lab Use ONLY)	Sample Description	Containers	TAT (Working Days)	TPH-G	BTEX	5 OXY's	1,2-DCA	EDB	Methanol	EDT			Remarks
0944	10/24/2005	AQ	05102634-01	S-1	HCL VOA's	STD	X	X	X	X	X	X	X			
1420	10/24/2005	AQ	2	S-2	HCL VOA's	STD	X	X	X	X	X	X	X			
0827	10/24/2005	AQ	3	MW-3	HCL VOA's	STD	X	X	X	X	X	X	X			
1050	10/24/2005	AQ	4	MW-4	HCL VOA's	STD	X	X	X	X	X	X	X			
1431	10/24/2005	AQ	5	MW-5	HCL VOA's	STD	X	X	X	X	X	X	X			
N/S	~~10/24/2005~~	~~AQ~~		~~MW-6~~	~~HCL VOA's~~	~~STD~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			not sampled
1246	10/24/2005	AQ	6	MW-7	HCL VOA's	STD	X	X	X	X	X	X	X			
0958	10/24/2005	AQ	7	MW-8	HCL VOA's	STD	X	X	X	X	X	X	X			
1104	10/24/2005	AQ	8	EX-1	HCL VOA's	STD	X	X	X	X	X	X	X			
0810	10/24/2005	AQ	9	EX-2	HCL VOA's	STD	X	X	X	X	X	X	X			
1356	10/24/2005	AQ	10	EX-3	HCL VOA's	STD	X	X	X	X	X	X	X			
1407	10/24/2005	AQ	11	EX-4	HCL VOA's	STD	X	X	X	X	X	X	X			

ADDITIONAL INSTRUCTIONS:

	Signature		Company	Date	Time
Relinquished by:	Vince Zalutka	Vince Zalutka	Stratus Environmental	10-25-05	8:30
Received by:	Lisa Bryl	LISA BRYL	ALPHA	10-25-05	8:30
Relinquished by:	Graciela Chavarrete	G Chavarrete	Alpha	10-26-05	3:50
Received by:					
Relinquished by:					
Received by:					

Key: AQ - Aqueous WA - Waste OT - Other L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

Appendix E

Fourth Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #0276
(URS 2005)

URS

December 22, 2005

Mr. Don Hwang
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway, Second Floor, Suite 250
Alameda, CA 94502

Re: Fourth Quarter 2005 Groundwater Monitoring Report
ARCO Service Station #0276
10600 MacArthur Boulevard
Oakland, California
ACEH Case #3756

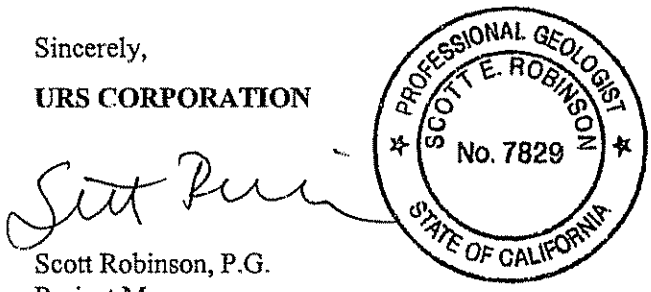
Dear Mr. Hwang:

On behalf of Atlantic Richfield Company, a BP-affiliated company, URS Corporation (URS) is submitting the *Fourth Quarter 2005 Groundwater Monitoring Report* for ARCO Service Station #0276, located at 10600 MacArthur Boulevard, Oakland, California.

If you have any questions regarding this submission, please call (510) 874-3280.

Sincerely,

URS CORPORATION



Scott Robinson, P.G.
Project Manager

Enclosure: Fourth Quarter 2005 Groundwater Monitoring Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510 874 3268

REPORT

FOURTH QUARTER 2005 GROUNDWATER MONITORING REPORT

ARCO SERVICE STATION #0276
10600 MACARTHUR BOULEVARD
OAKLAND, CALIFORNIA

Prepared for
RM

December 22, 2005

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

Date: December 22, 2005

Quarter: 4Q05

FOURTH QUARTER 2005 GROUNDWATER MONITORING REPORT

Facility No.:	0276	Address:	10600 MacArthur Boulevard, Oakland, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Primary Agency:			Alameda County Environmental Health (ACEH)
ACEH Case #:			3756

WORK PERFORMED THIS QUARTER (Fourth – 2005):

1. Performed the fourth quarter 2005 groundwater monitoring event on November 18, 2005.
2. Prepared and submitted this Fourth Quarter 2005 Groundwater Monitoring Report.

WORK PROPOSED FOR NEXT QUARTER (First – 2006):

1. Perform the first quarter 2006 groundwater monitoring event.
2. Prepare and submit the First Quarter 2006 Groundwater Monitoring Report.

SITE SUMMARY:

Current Phase of Project:	Groundwater monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-2, MW-5 and MW-8 Semi-annually (1st & 3rd quarter): Wells MW-6 and MW-7 Annually (1st quarter): Wells MW-1, MW-3, MW-4, WGR-3 and RW-1
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None
Approximate Depth to Groundwater:	17.66 (MW-2) to 34.50 (MW-6) feet
Groundwater Gradient (direction):	Southwest
Groundwater Gradient (magnitude):	0.005 feet per foot

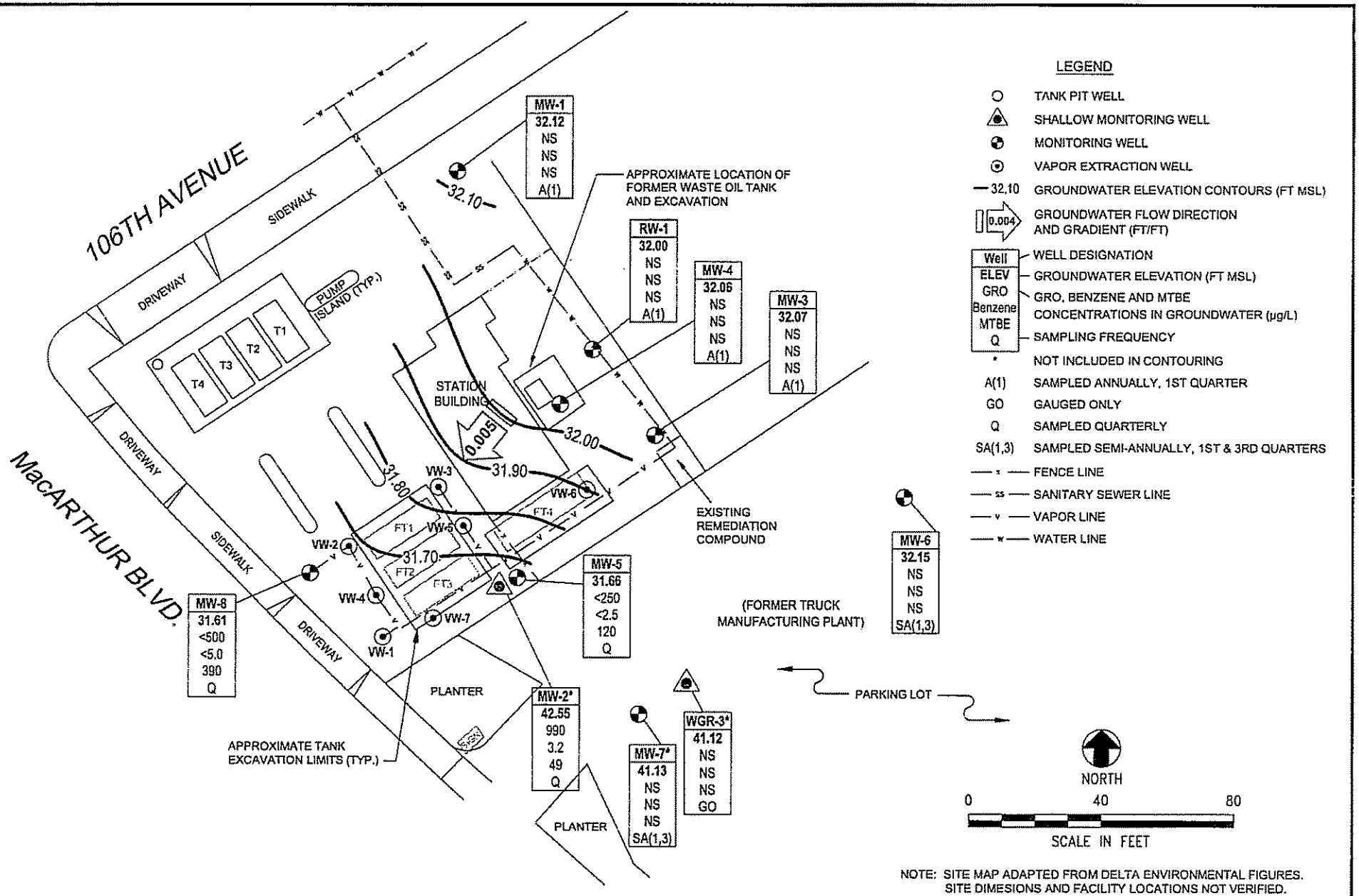
DISCUSSION:

Gasoline range organics, benzene, toluene, ethylbenzene and xylenes were detected at or above their respective laboratory reporting limits in one of the three wells (MW-2) sampled this quarter at concentrations of 990 micrograms per liter (µg/L), 3.2 µg/L, 0.64 µg/L, 3.8 µg/L, and 1.6 µg/L, respectively. Methyl tert-butyl ether was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 49 µg/L (MW-2) to 390 µg/L (MW-8). Tert-amyl methyl ether was detected at or above the laboratory reporting limit in three wells at concentrations ranging from 9.2 µg/L (MW-5) to 23 µg/L (MW-8). 1,2-Dichloroethane was detected at or above the laboratory reporting limit in one well at a concentration of 10 µg/L (MW-5). No other fuel components were detected at or above their respective laboratory reporting limits in any wells sampled this quarter.

ATTACHMENTS:

- Figure 1 - Groundwater Elevation Contour and Analytical Summary Map – November 18, 2005
- Table 1 - Groundwater Elevation and Analytical Data
- Table 2 - Fuel Additives Analytical Data
- Table 3 - Groundwater Gradient Data
- Attachment A - Field Procedures and Field Data Sheets
- Attachment B - Laboratory Procedures, Certified Analytical Reports, Chain-of-Custody Records
- Attachment C - Historical Groundwater Data
- Attachment D – Error Check Reports and EDF/Geowell Submittal Confirmations

Dec 19, 2005 - 8:02pm
X:\x_envi_waste\BP GEM\Sites\Scott Robinson\Paul Supple\0276\Monitoring\2005 Qtr. 4\Drawings\276-4Q05-GW.dwg



NOTE: SITE MAP ADAPTED FROM DELTA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38487162 ARCO Service Station #0276 10600 MacArthur Boulevard Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2005 (November 18, 2005)	FIGURE 1

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-1	12/17/2000	--		55.92	23.50	28.50	29.16	26.76	5.09	---	---	---	---	--	--	--
	12/28/2001	--		55.92	23.50	28.50	27.38	28.54	8.8	---	---	---	---	--	--	--
	11/27/2002	NP		55.92	23.50	28.50	29.45	26.47	4.2	---	---	---	---	--	2.3	6.7
	7/22/2003	NP		55.92	23.50	28.50	27.58	28.34	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	6.7
	11/07/2003	NP		55.92	23.50	28.50	30.42	25.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.6
	02/03/2004	NP		55.92	23.50	28.50	38.80	17.12	--	--	--	--	--	--	1.5	--
	05/04/2004	NP	g	61.26	23.50	28.50	26.67	34.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	6.6
	08/12/2004	NP		61.26	23.50	28.50	29.49	31.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	6.6
	11/10/2004	NP		61.26	23.50	28.50	30.29	30.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.6
	02/03/2005	NP		61.26	23.50	28.50	26.23	35.03	--	--	--	--	--	--	0.89	--
	05/09/2005	--		61.26	23.50	28.50	22.93	38.33	--	--	--	--	--	--	--	--
	08/11/2005	--		61.26	23.50	28.50	26.11	35.15	--	--	--	--	--	--	--	--
	11/18/2005	--		**61.26**	**23.50**	**28.50**	**29.14**	**32.12**	--	--	--	--	--	--	--	--
MW-2	12/17/2000	--		55.1	15.00	25.00	15.72	39.38	---	---	---	---	---	--	---	---
	12/28/2001	--		55.1	15.00	25.00	27.38	27.72	---	---	---	---	---	--	---	---
	11/27/2002	--		55.1	15.00	25.00	16.35	38.75	---	---	---	---	---	--	---	---
	7/22/2003	--		55.1	15.00	25.00	16.20	38.90	---	---	---	---	---	--	---	---
	11/07/2003	P		55.10	15.00	25.00	18.22	36.88	990	<5.0	<5.0	<5.0	<5.0	110	1.8	6.7
	02/03/2004	P		55.10	15.00	25.00	13.63	41.47	180	<2.5	<2.5	2.6	4.1	55	1.8	6.5
	05/04/2004	P	g	60.21	15.00	25.00	15.76	44.45	290	<2.5	<2.5	<2.5	<2.5	70	0.6	6.3
	08/12/2004	P		60.21	15.00	25.00	17.21	43.00	<250	<2.5	<2.5	3.2	<2.5	49	1.6	6.6
	11/10/2004	P		60.21	15.00	25.00	15.90	44.31	270	<1.0	<1.0	1.6	<1.0	90	0.9	6.2
	02/03/2005	P		60.21	15.00	25.00	14.29	45.92	480	1.7	<0.50	2.0	1.4	37	1.53	6.5
	05/09/2005	P		60.21	15.00	25.00	14.38	45.83	320	<0.50	<0.50	<0.50	0.64	56	0.57	6.5
	08/11/2005	P		60.21	15.00	25.00	15.97	44.24	320	<0.50	<0.50	<0.50	<0.50	50	1.0	6.3
	11/18/2005	P		**60.21**	**15.00**	**25.00**	**17.66**	**42.55**	**990**	**3.2**	**0.64**	**3.8**	**1.6**	**49**	3.23	6.5
MW-3	12/17/2000	--		56.55	22.00	27.00	29.78	26.77	158	---	---	---	---	--	--	--
	12/28/2001	--		56.55	22.00	27.00	27.95	28.60	310	20	1.5	13	---	--	--	--
	11/27/2002	NP		56.55	22.00	27.00	30.10	26.45	110	---	---	---	---	--	2.0	7.2
	7/22/2003	NP		56.55	22.00	27.00	28.32	28.23	120	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	5.9
	11/07/2003	NP		56.55	22.00	27.00	30.86	25.69	70	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	6.5
	02/03/2004	NP		56.55	22.00	27.00	27.65	28.90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.7
	05/04/2004	NP	g	61.89	22.00	27.00	27.57	34.32	<100	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	6.4

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-3	08/12/2004	NP		61.89	22.00	27.00	30.31	31.58	52	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	6.3
	11/10/2004	NP		61.89	22.00	27.00	31.00	30.89	91	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.7
	02/03/2005	NP	i	61.89	22.00	27.00	26.85	35.04	180	<0.50	<0.50	<0.50	<0.50	<0.50	2.25	6.5
	05/09/2005	--		61.89	22.00	27.00	23.72	38.17	--	--	--	--	--	--	--	--
	08/11/2005	--		61.89	22.00	27.00	26.84	35.05	--	--	--	--	--	--	--	--
	11/18/2005	**--**		**61.89**	**22.00**	**27.00**	**29.82**	**32.07**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-4	12/17/2000	--		55.98	25.00	45.00	29.22	26.76	225	---	---	---	---	--	--	--
	12/28/2001	--		55.98	25.00	45.00	27.37	28.61	160	1.2	---	---	---	--	--	--
	11/27/2002	NP		55.98	25.00	45.00	29.55	26.43	95	---	---	---	---	--	3.7	6.7
	7/22/2003	NP		55.98	25.00	45.00	27.73	28.25	130	<0.50	<0.50	<0.50	<0.50	<0.50	2.9	6.6
	11/07/2003	NP		55.98	25.00	45.00	30.41	25.57	59	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	6.5
	02/03/2004	NP		55.98	25.00	45.00	27.01	28.97	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	7.1
	05/04/2004	NP	g	61.30	25.00	45.00	26.91	34.39	<100	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	6.5
	08/12/2004	NP		61.30	25.00	45.00	29.76	31.54	58	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	6.4
	11/10/2004	NP		61.30	25.00	45.00	30.40	30.90	69	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	6.6
	02/03/2005	NP	i	61.30	25.00	45.00	26.28	35.02	51	<0.50	<0.50	<0.50	<0.50	<0.50	3.77	6.8
	05/09/2005	--		61.30	25.00	45.00	23.14	38.16	--	--	--	--	--	--	--	--
	08/11/2005	--		61.30	25.00	45.00	26.23	35.07	--	--	--	--	--	--	--	--
	11/18/2005	**--**		**61.30**	**25.00**	**45.00**	**29.24**	**32.06**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-5	12/17/2000	--		55.43	23.50	31.50	28.82	26.61	1,040	---	---	---	---	--	--	--
	12/28/2001	--		55.43	23.50	31.50	26.91	28.52	3,200	190	2/4/1900	140	1.9/3.2/2.0	--	--	--
	11/27/2002	P		55.43	23.50	31.50	29.15	26.28	110	---	---	---	---	--	1.4	6.4
	7/22/2003	P		55.43	23.50	31.50	27.43	28.00	160	<1.0	<1.0	<1.0	<1.0	110	1.5	6.6
	11/07/2003	P		55.43	23.50	31.50	29.99	25.44	<250	<2.5	<2.5	<2.5	<2.5	120	0.6	6.2
	02/03/2004	P		55.43	23.50	31.50	26.55	28.88	85	<2.5	<2.5	<2.5	<2.5	71	1.7	6.7
	05/04/2004	P	g	60.73	23.50	31.50	26.47	34.26	<250	<2.5	<2.5	<2.5	<2.5	150	0.9	6.2
	08/12/2004	P		60.73	23.50	31.50	29.49	31.24	<250	<2.5	<2.5	<2.5	<2.5	140	1.8	6.3
	11/10/2004	P		60.73	23.50	31.50	30.15	30.58	170	<1.0	<1.0	<1.0	<1.0	150	1.0	6.3
	02/03/2005	P		60.73	23.50	31.50	25.85	34.88	100	<0.50	<0.50	<0.50	<0.50	16	1.65	6.5
	05/09/2005	P		60.73	23.50	31.50	22.85	37.88	340	<2.5	<2.5	<2.5	<2.5	140	0.87	6.3
	08/11/2005	P		60.73	23.50	31.50	26.05	34.68	<250	<2.5	<2.5	<2.5	<2.5	160	1.6	6.3
	11/18/2005	**P**		**60.73**	**23.50**	**31.50**	**29.07**	**31.66**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**120**	**1.98**	**6.3**
MW-6	12/17/2000	--		61.21	37.50	56.00	34.61	26.60	---	---	---	---	---	--	---	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-6	12/28/2001	--		61.21	37.50	56.00	32.80	28.41	---	---	---	---	---	--	---	---
	11/27/2002	--		61.21	37.50	56.00	35.00	26.21	---	---	---	---	---	--	---	---
	7/22/2003	--		61.21	37.50	56.00	33.17	28.04	---	---	---	---	---	--	---	---
	11/07/2003	P	d, e	61.21	37.50	56.00	35.70	25.51	<500	<5.0	<5.0	<5.0	<5.0	<5.0	2.7	6.9
	02/03/2004	P		61.21	37.50	56.00	32.17	29.04	84	<2.5	<2.5	<2.5	<2.5	<2.5	1.9	7.0
	05/04/2004	P	g	66.65	37.50	56.00	32.07	34.58	<250	<2.5	<2.5	<2.5	<2.5	<2.5	2.0	6.7
	08/12/2004	P		66.65	37.50	56.00	34.90	31.75	660	<0.50	<0.50	<0.50	<0.50	0.81	1.4	6.9
	11/10/2004	P		66.65	37.50	56.00	35.70	30.95	640	<0.50	<0.50	<0.50	<0.50	0.89	2.6	6.8
	02/03/2005	P	i	66.65	37.50	56.00	31.48	35.17	77	<0.50	<0.50	<0.50	<0.50	<0.50	1.73	7.0
	05/09/2005	--		66.65	37.50	56.00	28.37	38.28	--	--	--	--	--	--	--	--
	08/11/2005	P		66.65	37.50	56.00	31.40	35.25	630	<0.50	<0.50	<0.50	<0.50	0.77	1.9	6.3
	11/18/2005	--		**66.65**	**37.50**	**56.00**	**34.50**	**32.15**	--	--	--	--	--	--	--	--
MW-7	12/17/2000	--		58.22	17.50	37.50	19.94	38.28	---	---	---	---	---	--	---	---
	12/28/2001	--		58.22	17.50	37.50	17.29	40.93	---	---	---	---	---	--	---	---
	11/27/2002	--		58.22	17.50	37.50	21.30	36.92	---	---	---	---	---	--	---	---
	7/22/2003	--		58.22	17.50	37.50	21.36	36.86	---	---	---	---	---	--	---	---
	11/07/2003	P	d	58.22	17.50	37.50	23.76	34.46	3,200	15	<2.5	130	11	53	2.2	6.8
	02/03/2004	P		58.22	17.50	37.50	17.74	40.48	53	<0.50	<0.50	<0.50	0.54	32	1.9	6.4
	02/03/2005	P		63.54	17.50	37.50	18.13	45.41	61	<0.50	<0.50	<0.50	<0.50	14	3.39	6.5
	05/09/2005	--		63.54	17.50	37.50	18.39	45.15	--	--	--	--	--	--	--	--
	08/11/2005	P		63.54	17.50	37.50	21.47	42.07	1,500	1.8	<1.0	4.2	1.2	21	2.0	6.3
	11/18/2005	--		**63.54**	**17.50**	**37.50**	**22.41**	**41.13**	--	--	--	--	--	--	--	--
MW-8	12/17/2000	--		53.65	29.00	49.00	27.02	26.63	---	---	---	---	---	--	---	---
	12/28/2001	--		53.65	29.00	49.00	24.99	28.66	---	---	---	---	---	--	---	---
	11/27/2002	--		53.65	29.00	49.00	27.45	26.20	---	---	---	---	---	--	---	---
	7/22/2003	--		53.65	29.00	49.00	25.74	27.91	---	---	---	---	---	--	---	---
	11/07/2003	P		53.65	29.00	49.00	28.27	25.38	<500	<5.0	<5.0	<5.0	<5.0	440	2.6	6.5
	02/03/2004	P	f	53.65	29.00	49.00	24.80	28.85	170	<12	<12	<12	<12	470	3.0	6.7
	05/04/2004	P	g	58.96	29.00	49.00	24.81	34.15	<1,000	<10	<10	<10	<10	700	3.8	6.4
	08/12/2004	P		58.96	29.00	49.00	27.72	31.24	<2,500	<25	<25	<25	<25	400	3.4	6.5
	11/10/2004	P		58.96	29.00	49.00	28.41	30.55	<500	<5.0	<5.0	<5.0	<5.0	480	3.4	6.3
	02/03/2005	P		58.96	29.00	49.00	24.01	34.95	<50	<0.50	<0.50	<0.50	<0.50	45	1.43	6.4
	05/09/2005	P	i	58.96	29.00	49.00	21.07	37.89	640	<5.0	<5.0	<5.0	<5.0	440	1.06	6.4

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, CA

Well No.	Date	P/ NP	Footnotes/ Comments	TOC (ft MSL)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (ft bgs)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-8	08/11/2005	P		58.96	29.00	49.00	24.32	34.64	<500	<5.0	<5.0	<5.0	<5.0	420	5.0	6.1
	11/18/2005	**P**		**58.96**	**29.00**	**49.00**	**27.35**	**31.61**	**<500**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**390**	**3.51**	**6.4**
RW-1	12/17/2000	--		56.32	36.00	51.00	29.57	26.75	---	---	---	---	---	--	---	---
	12/28/2001	--		56.32	36.00	51.00	27.64	28.68	---	---	---	---	---	--	---	---
	11/27/2002	--		56.32	36.00	51.00	29.93	26.39	---	---	---	---	---	--	---	---
	7/22/2003	--		56.32	36.00	51.00	28.09	28.23	---	---	---	---	---	--	---	---
	11/07/2003	P		56.32	36.00	51.00	30.64	25.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	7.0
	02/03/2004	P		56.32	36.00	51.00	27.28	29.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.7	7.1
	05/04/2004	P	g	61.65	36.00	51.00	27.16	34.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	6.8
	08/12/2004	P		61.65	36.00	51.00	30.10	31.55	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	7.1
	11/10/2004	P		61.65	36.00	51.00	30.79	30.86	<100	<0.50	<0.50	<0.50	<0.50	<0.50	5.7	6.9
	02/03/2005	P		61.65	36.00	51.00	26.61	35.04	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.57	7.1
	05/09/2005	--		61.65	36.00	51.00	23.51	38.14	--	--	--	--	--	--	--	--
	08/11/2005	--		61.65	36.00	51.00	26.60	35.05	--	--	--	--	--	--	--	--
	11/18/2005	--		**61.65**	**36.00**	**51.00**	**29.65**	**32.00**	--	--	--	--	--	--	--	--
WGR-3	12/17/2000	--		---	--	--	19.21	---	---	---	---	---	---	--	---	---
	12/28/2001	--	h	---	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/2002	--		---	--	--	20.60	---	---	---	---	---	---	--	---	---
	7/22/2003	--		---	--	--	20.77	---	---	---	---	---	---	--	---	---
	05/04/2004	P	g	63.27	--	--	19.53	43.74	<50	<0.50	<0.50	<0.50	<0.50	11	1.8	6.5
	08/12/2004	P		63.27	--	--	22.20	41.07	<50	<0.50	<0.50	<0.50	<0.50	35	2.0	--
	11/10/2004	P		63.27	--	--	19.98	43.29	<50	<0.50	<0.50	<0.50	<0.50	5.6	0.3	6.3
	02/03/2005	P		63.27	--	--	16.91	46.36	<50	<0.50	<0.50	<0.50	<0.50	1.1	2.04	6.5
	05/09/2005	--		63.27	--	--	17.29	45.98	--	--	--	--	--	--	--	--
	08/11/2005	--		63.27	--	--	20.88	42.39	--	--	--	--	--	--	--	--
	11/18/2005	--		**63.27**	--	--	**22.15**	**41.12**	--	--	--	--	--	--	--	--

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, CA

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above laboratory reporting limit
BTEX = Benzene, toluene, ethylbenzene and xylenes
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = feet below ground surface
ft MSL = feet above mean sea level
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation measured in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Not Purged prior to sampling
P = Purged prior to sampling
TOC = Top of casing measured in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter

FOOTNOTES:
a = 1,1 DCE; this footnote is no longer applicable
b = 1,2 DCA; this footnote is no longer applicable
c = Chlorobenzene; this footnote is no longer applicable
d = Sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was performed past the recommended hold time. Results may still be used for intended purpose.
e = The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits
f = Discrete peak @ C5 for GRO/TPH-g.
g = Site was re-surveyed to NAVD' 88 on January 26, 2004.
h = Well was dry.
i = Hydrocarbon result for GRO partly due to individual peak(s) in quantitative range.

NOTES:
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12

Groundwater samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE.

pH and DO levels are field measurements.

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	trans-1,2 DCE (µg/L)	cis-1,2 DCE (µg/L)	VOC (µg/L)	Oxygen (µg/L)	PCE (µg/L)	TCE (µg/L)	Footnotes/ Comments
MW-1	12/17/2000	---	---	--	---	---	---	---	---	--	--	--	--	5.09	--	
	12/28/2001	---	---	--	---	---	---	---	---	--	--	--	--	8.8	--	
	11/27/2002	---	---	--	---	---	---	---	---	--	--	--	--	4.2	--	
	7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	6.0	--	
	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	3.0	--	
	05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	34	--	
	08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	4.5	--	
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	4.9	--	
MW-2	11/07/2003	<1,000	<200	110	<5.0	<5.0	28	--	--	--	--	--	--	<5.0	--	
	02/03/2004	<500	<100	55	<5.0	<5.0	16	<2.5	<2.5	--	--	--	--	<2.5	--	
	05/04/2004	<500	<100	70	<2.5	<2.5	15	<2.5	<2.5	--	--	--	--	<2.5	--	
	08/12/2004	<500	<100	49	<2.5	<2.5	14	<2.5	<2.5	--	--	--	--	<0.50	--	
	11/10/2004	<200	<40	90	<1.0	<1.0	19	<1.0	<1.0	--	--	--	--	<1.0	--	
	02/03/2005	<100	<20	37	<0.50	<0.50	13	<0.50	<0.50	--	--	--	--	<0.50	--	e
	05/09/2005	<100	<20	56	<0.50	<0.50	17	<0.50	<0.50	--	--	--	--	<0.50	--	e
	08/11/2005	<100	<20	50	<0.50	<0.50	8.5	<0.50	<0.50	--	--	--	--	<0.50	--	
	11/18/2005	**<100**	**<20**	**49**	**<0.50**	**<0.50**	**11**	**<0.50**	**<0.50**	--	--	--	--	**<0.50**	--	f
MW-3	12/17/2000	---	---	--	---	---	---	---	---	--	--	--	--	158	--	
	12/28/2001	---	---	--	---	---	---	---	---	1.5	13	--	--	310	20	
	11/27/2002	---	---	--	---	---	---	---	---	--	--	--	--	110	--	
	7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	80	--	
	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	80	--	
	02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	--	--	--	--	110	--	
	05/04/2004	<200	<40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	110	--	
	08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	61	--	
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	99	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	160	--	e
MW-4	12/17/2000	---	---	--	---	---	---	---	---	--	--	--	--	225	--	
	12/28/2001	---	---	--	---	---	---	---	---	--	--	--	--	160	1.2	
	11/27/2002	---	---	--	---	---	---	---	---	--	--	--	--	95	--	
	7/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	94	--	
	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	68	--	
	02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	--	--	--	--	83	--	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	trans-1,2 DCE (µg/L)	cis-1,2 DCE (µg/L)	VOC (µg/L)	Oxygen (µg/L)	PCE (µg/L)	TCE (µg/L)	Footnotes/ Comments
MW-4	05/04/2004	<200	<40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	--	81	--	
	08/12/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	59	--	
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	78	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	61	--	e
MW-5	12/17/2000	--	--	--	--	--	--	--	--	--	--	--	--	1,040	--	
	12/28/2001	--	--	--	--	--	--	--	--	36	140	1.9, 3.2, 2.0	--	3,200	190	a,b,c
	11/27/2002	--	--	--	--	--	--	--	--	--	--	--	--	110	--	
	7/22/2003	<200	<40	110	1.4	<1.0	3.2	12	<1.0	--	--	--	--	55	--	
	11/07/2003	<500	<100	120	<2.5	<2.5	6.6	--	--	--	--	--	--	42	--	
	02/03/2004	<500	<100	71	<5.0	<5.0	<5.0	12	<2.5	--	--	--	--	130	--	
	05/04/2004	<500	<100	150	<2.5	<2.5	5.9	8.8	<2.5	--	--	--	--	36	--	
	08/12/2004	<500	<100	140	<2.5	<2.5	10	10	<2.5	--	--	--	--	37	--	
	11/10/2004	<200	<40	150	1.1	<1.0	9.5	9.8	<1.0	--	--	--	--	50	--	
	02/03/2005	<100	<20	16	<0.50	<0.50	0.54	2.7	<0.50	--	--	--	--	480	--	e
	05/09/2005	<500	<100	140	<2.5	<2.5	9.2	10	<2.5	--	--	--	--	78	--	e
	08/11/2005	<500	<100	160	<2.5	<2.5	10	9.6	<2.5	--	--	--	--	27	--	
	11/18/2005	**<500**	**<100**	**120**	**<2.5**	**<2.5**	**9.2**	**10**	**<2.5**	--	--	--	--	19	--	f
MW-6	11/07/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	560	--	
	02/03/2004	<500	<100	<2.5	<5.0	<5.0	<5.0	<2.5	<2.5	--	--	--	--	220	--	
	05/04/2004	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	--	210	--	
	08/12/2004	<100	<20	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	750	--	
	11/10/2004	<100	<20	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	530	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	85	--	e
	08/11/2005	<100	<20	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	610	--	
MW-7	11/07/2003	<500	<100	53	<2.5	<2.5	13	--	--	--	--	--	--	<2.5	--	
	02/03/2004	<100	<20	32	<1.0	<1.0	7.4	<0.50	<0.50	--	--	--	--	0.74	--	
	02/03/2005	<100	<20	14	<0.50	<0.50	3.9	<0.50	<0.50	--	--	--	--	1.6	--	e
	08/11/2005	<200	<40	21	<1.0	<1.0	4.7	<1.0	<1.0	--	--	--	--	1.0	--	e
MW-8	11/07/2003	<1,000	<200	440	<5.0	<5.0	18	--	--	--	--	--	--	<5.0	--	
	02/03/2004	<2,500	<500	470	<25	<25	<25	<12	<12	--	--	--	--	<12	--	
	05/04/2004	<2,000	<400	700	<10	<10	21	<10	<10	--	--	--	--	12	--	
	08/12/2004	<5,000	<1,000	400	<25	<25	<25	<25	<25	--	--	--	--	1.1	--	

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276

10600 Macarthur Blvd., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	trans-1,2 DCE (µg/L)	cis-1,2 DCE (µg/L)	VOC (µg/L)	Oxygen (µg/L)	PCE (µg/L)	TCE (µg/L)	Footnotes/ Comments
MW-8	11/10/2004	<1,000	<200	480	<5.0	<5.0	21	<5.0	<5.0	--	--	--	--	8.9	--	
	02/03/2005	<100	<20	45	<0.50	<0.50	1.9	<0.50	<0.50	--	--	--	--	0.59	--	e
	05/09/2005	<1,000	<200	440	<5.0	<5.0	21	<5.0	<5.0	--	--	--	--	<5.0	--	e
	08/11/2005	<1,000	<200	420	<5.0	<5.0	24	<5.0	<5.0	--	--	--	--	<0.50	--	e
	11/18/2005	**<1,000**	**<200**	**390**	**<5.0**	**<5.0**	23	**<5.0**	**<5.0**	--	--	--	--	**4.2**	--	f
RW-1	11/07/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	3.1	--	
	02/03/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	--	--	--	--	0.76	--	
	05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	1.8	--	
	08/12/2004	330/<100 d	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	2.9	--	d
	11/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	5.2	--	
	02/03/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	1.7	--	e
WGR-3	05/04/2004	<100	<20	11	<0.50	<0.50	2.4	<0.50	<0.50	--	--	--	--	<0.50	--	
	08/12/2004	<100	<20	35	<0.50	<0.50	7.5	<0.50	<0.50	--	--	--	--	<0.50	--	
	11/10/2004	<100	<20	5.6	<0.50	<0.50	1.3	<0.50	<0.50	--	--	--	--	<0.50	--	
	02/03/2005	<100	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	<0.50	--	e

Table 2

Fuel Additives Analytical Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, CA

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above the laboratory reporting limit.
1,2-DCA = 1,2-Dichloroethane
cis-1,2-DCE = cis-1,2-Dichloroethene
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
PCE = Tetrachloroethene
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol
TCE = Trichloroethene
trans-1,2-DCE = trans 1,2-Dichloroethene
VOC = Volatile Organic Compounds
µg/L = Micrograms per Liter
BTEX = Benzene, toluene, ethylbenzene and xylenes

FOOTNOTES:
a = VOC 1,1 DCE detected at a concentration of 1.9 ug/L.
b = VOC 1,2 DCA detected at a concentration of 3.2 ug/L.
c = VOC Chlorobenzene detected at a concentration of 2.0 ug/L.
d = Ethanol was re-analyzed two days out of holding time and was not detected above a laboratory reporting limit of 100 ug/L.
e = Calibration verification for ethanol was within method limits but outside contract limits.
f = Sample for PCE analyzed after holding time expired.

NOTES:
PCE was analyzed using EPA Method 8260B. Samples were analyzed by EPA method 8015B for GRO and EPA method 8260B for BTEX, fuel oxygenates, ethanol, and PCE.

Table 3

Groundwater Gradient Data

ARCO Service Station #0276
10600 Macarthur Blvd., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
12/17/2000	South-Southeast	0.003
12/28/2001	Southeast	0.002
11/27/2002	South-Southeast	0.003
07/22/2003	South	0.007
11/07/2003	Southwest	0.002
02/03/2004	South-Southwest	0.002
05/04/2004	South-Southwest	0.003
08/12/2004	South	0.004
11/10/2004	Southwest	0.004
02/03/2005	Southwest	0.003
05/09/2005	South-Southwest	0.004
08/11/2005	South-Southwest	0.007
11/18/2005	**Southwest**	**0.005**

Source: The data within this table collected prior to November 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 051118-PZ2 Date 11/18/05 Client Arco 276

Site 1060 MacArthur Blvd., Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					29.14	38.81	TOC	G.O.
MW-2	4					17.66	25.37		
MW-3	2					29.82	38.60		G.O.
MW-4	2					29.24	47.76		G.O.
MW-5	4					29.07	46.96		
MW-6	2					34.50	48.49		G.O.
MW-7	2					22.41	36.81		G.O.
MW-8	4					27.35	47.87		
RW-1	6					29.65	48.82		G.O.
WGR-3	4					22.15	27.02		G.O.

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051118-RC2	Station # Arco 276
Sampler: RC	Date: 11/18/05
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 25.37	Depth to Water: 17.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1328	71.4	7.2	599	5	
1330	70.2	6.6	589	10	
1332	69.8	6.5	579	15	

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Time: 1340 Sampling Date: 11/18/05

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) (1,2-DCA) (EDB) (Ethanol) Other: PCB

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.23	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051118-PC2	Station # Arco 216
Sampler: PC	Date: 11/18/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 46.96	Depth to Water: 29.07
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Extraction Pump
- Other: _____

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

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

11.6	x	3	=	34.8 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1348	67.5	6.5	822	11.5	
1351	67.0	6.3	851	22	
1354	66.7	6.3	865	35	

Did well dewater? Yes (No) Gallons actually evacuated: 35

Sampling Time: 1400 Sampling Date: 11/18/05

Sample I.D.: MW-5 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) 1,2-DCA EDB (Ethanol) Other: PG

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	1.98 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 050118-PC2	Station # Arco 276
Sampler: PC	Date: 11/18/05
Well I.D.: MW-B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 47.67	Depth to Water: 27.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YS) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

13.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 39.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1414	69.5	6.4	712	13.5	
1418	69.6	6.3	736	27	
1421	69.6	6.4	743	40	

Did well dewater? Yes (No) Gallons actually evacuated: 40

Sampling Time: 1430 Sampling Date: 11/18/05

Sample I.D.: MW-B Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) BTEX MTBE DRO (Oxy's 1,2-DCA EDB Ethanol) Other: 8260

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.5	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

Arco 276
Station #

10600 MacArthur Blvd., Oakland
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

90

added equip. rinse water 12

any other adjustments

TOTAL GALS. RECOVERED 102

loaded onto BTS vehicle # 58

BTS event # 051118-RZ

time 1400

date 11/18/05

signature

* *

REC'D AT BTS

time

date

unloaded by

signature

ATTACHMENT B

LABORATORY PROCEDURES, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory.

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

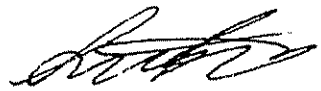
13 December, 2005

Scott Robinson
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: ARCO #0276, Oakland, CA
Work Order: MOK0961

Enclosed are the results of analyses for samples received by the laboratory on 11/21/05 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MOK0961
1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MOK0961-01	Water	11/18/05 13:40	11/21/05 09:40
MW-5	MOK0961-02	Water	11/18/05 14:00	11/21/05 09:40
MW-8	MOK0961-03	Water	11/18/05 14:30	11/21/05 09:40
TB27611182005	MOK0961-04	Water	11/18/05 00:00	11/21/05 09:40

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.

Revised report created 12/13/05. Sample date corrected per revised COC.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MOK0961
1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MOK0961-01) Water Sampled: 11/18/05 13:40 Received: 11/21/05 09:40									
tert-Amyl methyl ether	**11**	0.50	ug/l	1	5L02014	12/02/05	12/02/05	EPA 8260B	
Benzene	**3.2**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**3.8**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**49**	0.50	"	"	"	"	"	"	
Toluene	**0.64**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.6**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**990**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*60-135*		"	"	"	"	
MW-5 (MOK0961-02) Water Sampled: 11/18/05 14:00 Received: 11/21/05 09:40									
tert-Amyl methyl ether	**9.2**	2.5	ug/l	5	5L02014	12/02/05	12/02/05	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	**10**	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**120**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*60-135*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MOK0961
1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-8 (MOK0961-03) Water Sampled: 11/18/05 14:30 Received: 11/21/05 09:40									
tert-Amyl methyl ether	23	5.0	ug/l	10	5L02014	12/02/05	12/02/05	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	390	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

EPA 8010 list Volatile Organic Compounds by EPA 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MOK0961-01) Water Sampled: 11/18/05 13:40 Received: 11/21/05 09:40									**BU**
Tetrachloroethene	ND	0.50	ug/l	1	5L05002	12/05/05	12/05/05	EPA 8260B	
Surrogate: Dibromofluoromethane		*91 %*	*65-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-135*		"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-120*		"	"	"	"	
MW-5 (MOK0961-02) Water Sampled: 11/18/05 14:00 Received: 11/21/05 09:40									**BU**
Tetrachloroethene	**19**	0.50	ug/l	1	5L05002	12/05/05	12/05/05	EPA 8260B	
Surrogate: Dibromofluoromethane		*88 %*	*65-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-135*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*70-120*		"	"	"	"	
MW-8 (MOK0961-03) Water Sampled: 11/18/05 14:30 Received: 11/21/05 09:40									**BU**
Tetrachloroethene	**4.2**	0.50	ug/l	1	5L05002	12/05/05	12/05/05	EPA 8260B	
Surrogate: Dibromofluoromethane		*88 %*	*65-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-135*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-120*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02014 - EPA 5030B P/T / EPA 8260B										
Blank (5L02014-BLK1)				Prepared & Analyzed: 12/02/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.59*		"	*5.00*		*92*	*60-135*			
Laboratory Control Sample (5L02014-BS1)				Prepared & Analyzed: 12/02/05						
tert-Amyl methyl ether	16.0	0.50	ug/l	15.0		107	80-115			
Benzene	5.24	0.50	"	5.16		102	65-115			
tert-Butyl alcohol	179	20	"	143		125	75-150			
Di-isopropyl ether	16.1	0.50	"	15.1		107	75-125			
1,2-Dibromoethane (EDB)	18.9	0.50	"	14.9		127	85-120			HL
1,2-Dichloroethane	16.6	0.50	"	14.7		113	85-130			
Ethanol	188	100	"	142		132	70-135			
Ethyl tert-butyl ether	16.2	0.50	"	15.0		108	75-130			
Ethylbenzene	7.98	0.50	"	7.54		106	75-135			
Methyl tert-butyl ether	7.25	0.50	"	7.02		103	65-125			
Toluene	39.8	0.50	"	37.2		107	85-120			
Xylenes (total)	43.7	0.50	"	41.2		106	85-125			
Gasoline Range Organics (C4-C12)	542	50	"	440		123	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.96*		"	*5.00*		*99*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L02014 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5L02014-MS1)	**Source: MOK0961-02**			Prepared & Analyzed: 12/02/05						
tert-Amyl methyl ether	117	2.5	ug/l	113	9.2	95	80-115			
Benzene	36.0	2.5	"	38.7	ND	93	65-115			
tert-Butyl alcohol	1090	100	"	1070	ND	102	75-120			
Di-isopropyl ether	109	2.5	"	113	1.2	95	75-125			
1,2-Dibromoethane (EDB)	122	2.5	"	112	ND	109	85-120			
1,2-Dichloroethane	117	2.5	"	110	10	97	85-130			
Ethanol	1120	500	"	1060	ND	106	70-135			
Ethyl tert-butyl ether	105	2.5	"	113	ND	93	75-130			
Ethylbenzene	49.0	2.5	"	56.6	ND	87	75-135			
Methyl tert-butyl ether	167	2.5	"	52.6	120	89	65-125			
Toluene	263	2.5	"	279	ND	94	85-120			
Xylenes (total)	267	2.5	"	309	ND	86	85-125			
Gasoline Range Organics (C4-C12)	3870	250	"	3300	240	110	60-140			
Surrogate: 1,2-Dichloroethane-d4	*5.74*		"	*5.00*		*115*	*60-135*			
Matrix Spike Dup (5L02014-MSD1)	**Source: MOK0961-02**			Prepared & Analyzed: 12/02/05						
tert-Amyl methyl ether	117	2.5	ug/l	113	9.2	95	80-115	0	15	
Benzene	34.0	2.5	"	38.7	ND	88	65-115	6	20	
tert-Butyl alcohol	1230	100	"	1070	ND	115	75-120	12	25	
Di-isopropyl ether	106	2.5	"	113	1.2	93	75-125	3	15	
1,2-Dibromoethane (EDB)	120	2.5	"	112	ND	107	85-120	2	15	
1,2-Dichloroethane	115	2.5	"	110	10	95	85-130	2	20	
Ethanol	1200	500	"	1060	ND	113	70-135	7	35	
Ethyl tert-butyl ether	104	2.5	"	113	ND	92	75-130	1	25	
Ethylbenzene	52.5	2.5	"	56.6	ND	93	75-135	7	15	
Methyl tert-butyl ether	172	2.5	"	52.6	120	99	65-125	3	20	
Toluene	243	2.5	"	279	ND	87	85-120	8	20	
Xylenes (total)	293	2.5	"	309	ND	95	85-125	9	20	
Gasoline Range Organics (C4-C12)	3660	250	"	3300	240	104	60-140	6	25	
Surrogate: 1,2-Dichloroethane-d4	*5.24*		"	*5.00*		*105*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

EPA 8010 list Volatile Organic Compounds by EPA 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5L05002 - EPA 5030B P/T / EPA 8260B										
Blank (5L05002-BLK1)				Prepared & Analyzed: 12/05/05						
Tetrachloroethene	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	*2.17*		"	*2.50*		*87*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		"	*2.50*		*99*	*60-135*			
Surrogate: Toluene-d8	*2.31*		"	*2.50*		*92*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2.22*		"	*2.50*		*89*	*70-120*			
Laboratory Control Sample (5L05002-BS1)				Prepared & Analyzed: 12/05/05						
Tetrachloroethene	10.8	0.50	ug/l	10.0		108	85-125			
Surrogate: Dibromofluoromethane	*2.24*		"	*2.50*		*90*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.59*		"	*2.50*		*104*	*60-135*			
Surrogate: Toluene-d8	*2.38*		"	*2.50*		*95*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2.33*		"	*2.50*		*93*	*70-120*			
Laboratory Control Sample Dup (5L05002-BSD1)				Prepared & Analyzed: 12/05/05						
Tetrachloroethene	10.2	0.50	ug/l	10.0		102	85-125	6	15	
Surrogate: Dibromofluoromethane	*2.27*		"	*2.50*		*91*	*65-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		"	*2.50*		*102*	*60-135*			
Surrogate: Toluene-d8	*2.36*		"	*2.50*		*94*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*2.31*		"	*2.50*		*92*	*70-120*			

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URS Corporation [Arco]	Project:ARCO #0276, Oakland, CA	MOK0961
1333 Broadway, Suite 800	Project Number:G0C20-0004	Reported:
Oakland CA, 94612	Project Manager:Scott Robinson	12/13/05 14:20

Notes and Definitions

HL	Analyte recovery above established limit
BU	Sample analyzed after holding time expired
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name: Analytical for QMR sampling
BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 276 > HistoricalBL
State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fr
Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: 1245	Temp: 70°F
Off-site Time: 1455	Temp: 70°F
Sky Conditions: clear	
Meteorological Events: none	
Wind Speed:	Direction:

Lab Name: Sequoia	BP/AR Facility No.: 276	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 10600 Macarthur Blvd., Oakland, CA 9460	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.74255 / -122.1513	Oakland, CA 94612
Lab PM: Lisa Race / Jamshid Kekobad	California Global ID No.: T0600100082	Consultant/Contractor Project No.: 38487009
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G0C20-0004	Consultant/Contractor PM: Scott Robinson
BP/AR PM Contact: Paul Supple	Provision or RCOP: Provision	Tele/Fax: 510.874.3280 / 510.874.3268
Address: P.O. Box 6549	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with BDF
Moraga, CA 94570	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna_Cosper@urscorp.com
Tele/Fax: 925.299.8891 / 925.299.8872	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 276

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Requested Analysis: PCB (8010)	Sample Point Lat/Long and Comments
1	MW-2	1340	11/8/05		X			6				X		X	X	X	X	X	
2	MW-5	1400			X			6				X		X	X	X	X	X	
3	MW-8	1430			X			6				X		X	X	X	X	X	
4	TB-276-111805	—			X			2				X							04 hold
5																			
6																			
7																			
8																			
9																			
10																			

MOK0961

Sample Point Lat/Long and Comments
REVISED

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	11/8/05	1545	SAMPLE COURIER	11/8/05	1545

Sampler's Name: P. Cornish
Sampler's Company: BTI
Shipment Date:
Shipment Method:
Shipment Tracking No:

Special Instructions:

Custody Seals In Place Yes X No Temp Blank Yes X No Cooler Temperature on Receipt °F/C Trip Blank Yes X No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): Marcos
WORKORDER: MOK0941

DATE REC'D AT LAB: 11.21.05
TIME REC'D AT LAB: 9:48
DATE LOGGED IN: 11-22-05

For Regulatory Purposes?
DRINKING WATER YES / NO
or
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*			MW-2						
2. Chain-of-Custody	Present / Absent*									
3. Traffic Reports or Packing List:	Present / Absent									
4. Airbill:	Airbill / Sticker Present / Absent									
5. Airbill #:										
6. Sample Labels:	Present / Absent									
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody									
8. Sample Condition:	Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*									
10. Sample received within hold time?	Yes / No*									
11. Adequate sample volume received?	Yes / No*									
12. Proper preservatives used?	Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*									
14. Read Temp: 3.5 Corrected Temp: 3.5 Is corrected temp 4 +/-2°C?	Yes / No**									

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC

COC MF 11/21/05 Sal

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

ATTACHMENT C

HISTORICAL GROUNDWATER DATA

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-1	03-10-95	55.92	26.26	ND	29.66	03-10-95	170	<1	--	<1	--		
MW-1	06-05-95	55.92	25.71	ND	30.21	06-05-95	210	<5	--	<5	--		
MW-1	08-29-95	55.92	28.44	ND	27.48	08-29-95	130	<1	--	<1	--		
MW-1	11-16-95	55.92	30.85	ND	25.07	11-16-95	45	<1	--	<1	<1		
MW-1	02-28-96	55.92	24.99	ND	30.93	02-28-96	97	<1	<1	<1	--		
MW-1	05-28-96	55.92	24.92	ND	31.00	05-28-96	160	<5	<5	<5	--		
MW-1	08-19-96	55.92	28.04	ND	27.88	08-19-96	77	<1	<1	<1	--		
MW-1	11-21-96	55.92	30.19	ND	25.73	11-21-96	30	<1	<1	<1	--		
MW-1	03-26-97	55.92	24.90	ND	31.02	03-26-97	66	<1	<1	<1	--		
MW-1	05-20-97	55.92	26.99	ND	28.93	05-20-97	36	<0.5	<0.5	<0.5	--		
MW-1	08-18-97	55.92	29.98	ND	25.94	08-18-97	11	<0.5	<0.5	<0.5	--		
MW-1	11-17-97	55.92	31.72	ND	24.20	11-17-97 Not analyzed for Halogenated Volatile Organic Compounds							
MW-1	12-02-99	55.92	Not surveyed			12-02-99 Not surveyed: well was inaccessible							
MW-2	03-10-95	55.10	13.98	ND	41.12	03-11-95	<1	<1	--	<1	--		
MW-2	06-05-95	55.10	15.65	ND	39.45	06-05-95	<1	<1	--	<1	--		
MW-2	08-29-95	55.10	17.14	ND	37.96	08-29-95	<5	<5	--	<5	--		
MW-2	11-16-95	55.10	Not surveyed			11-16-95 Not surveyed: well was inaccessible							
MW-2	02-28-96	55.10	12.46	ND	42.64	02-28-96	<1	<1	<1	<1	--		
MW-2	05-28-96	55.10	15.23	ND	39.87	05-28-96	<1	<1	<1	<1	--		
MW-2	08-19-96	55.10	16.84	ND	38.26	08-21-96	<1	<1	<1	<1	--		
MW-2	11-21-96	55.10	15.44	ND	39.66	11-21-96	<1	<1	<1	<1	--		
MW-2	03-26-97	55.10	15.73	ND	39.37	03-26-97	<10^	<10^	<10^	<10^	--		
MW-2	05-20-97	55.10	16.07	ND	39.03	05-20-97	<1^	<1^	<1^	<1^	--		
MW-2	08-18-97	55.10	17.28	ND	37.82	08-18-97	<5^	<5^	<5^	<5^	--		
MW-2	11-17-97	55.10	16.75	ND	38.35	11-17-97 Not analyzed for Halogenated Volatile Organic Compounds							
MW-2	12-02-99	55.10	Not surveyed			12-02-99 Not sampled: not on sampling schedule							

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-3	03-10-95	56.55	26.74	ND	29.81	03-11-95	1700	<10	--	<10	--		
MW-3	06-05-95	56.55	26.34	ND	30.21	06-05-95	2500	<20	--	<20	--		
MW-3	08-29-95	56.55	29.15	ND	27.40	08-29-95	1600	<20	--	<20	--		
MW-3	11-16-95	56.55	31.50	ND	25.05	11-16-95	1100	<20	--	<20	<20		
MW-3	02-28-96	56.55	25.32	ND	31.23	02-28-96	1100	<10	<10	<10	--		
MW-3	05-28-96	56.55	25.46	ND	31.09	05-28-96	1700	<20	<20	<20	--		
MW-3	08-19-96	56.55	28.71	ND	27.84	08-19-96	1200	<20	<20	<20	--		
MW-3	11-21-96	56.55	30.85	ND	25.70	11-21-96	710	<20^	<20^	<20^	--		
MW-3	03-26-97	56.55	25.36	ND	31.19	03-26-97	710	<40^	<40^	<40^	--		
MW-3	05-20-97	56.55	27.61	ND	28.94	05-20-97	800	<25^	<25^	<25^	--		
MW-3	08-18-97	56.55	30.62	ND	25.93	08-18-97	420	<5^	<5^	<5^	--		
MW-3	11-17-97	56.55	32.40	ND	24.15	11-17-97 Not analyzed for Halogenated Volatile Organic Compounds							
MW-3	12-02-99	56.55	30.75	ND	25.80	12-02-99	210*	<0.5*	<0.5*	<0.5*	--	0.47	NP
MW-4	03-10-95	55.98	26.22	ND	29.76	03-11-95	2600	<20	--	<20	--		
MW-4	06-05-95	55.98	25.79	ND	30.19	06-05-95	3100	<20	--	<20	--		
MW-4	08-29-95	55.98	28.56	ND	27.42	08-29-95	2900	<20	--	<20	--		
MW-4	11-16-95	55.98	31.00	ND	24.98	11-16-95	2100	<20	--	<20	<20		
MW-4	02-28-96	55.98	24.77	ND	31.21	02-28-96	2400	<20	<20	<20	--		
MW-4	05-28-96	55.98	24.91	ND	31.07	05-28-96	2700	<20	<20	<20	--		
MW-4	08-19-96	55.98	28.17	ND	27.81	08-19-96	2600	<20	<20	<20	--		
MW-4	11-21-96	55.98	30.30	ND	25.68	11-21-96	1100	<20^	<20^	<20^	--		
MW-4	03-26-97	55.98	24.80	ND	31.18	03-26-97	1900	<40^	<40^	<40^	--		
MW-4	05-20-97	55.98	27.03	ND	28.95	05-20-97	1600	<50^	<50^	<50^	--		
MW-4	08-18-97	55.98	30.10	ND	25.88	08-18-97	600	<125^	<125^	--	--		
MW-4	11-17-97	55.98	31.84	ND	24.14	11-17-97 Not analyzed for Halogenated Volatile Organic Compounds							
MW-4	12-02-99	55.98	30.20	ND	25.78	12-02-99	320*	<0.5*	<0.5*	<0.5*	--	1.03	NP

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-5	03-10-95	55.43	25.62	ND	29.81	03-10-95	270	<5	--	<5	--		
MW-5	06-05-95	55.43	25.30	ND	30.13	06-05-95	310	<5	--	<5	--		
MW-5	08-29-95	55.43	28.21	ND	27.22	08-29-95	240	<5	--	<5	--		
MW-5	11-16-95	55.43	30.63	ND	24.80	11-16-95	940	<5	--	<5	<5		
MW-5	02-28-96	55.43	24.07	ND	31.36	02-28-96	1100	<10	<10	<10	--		
MW-5	05-28-96	55.43	24.42	ND	31.01	05-28-96	360	<5	<5	<5	--		
MW-5	08-19-96	55.43	27.82	ND	27.61	08-21-96	150	<1	<1	2	--		
MW-5	11-21-96	55.43	29.92	ND	25.51	11-21-96	1900	<20^	<20^	<20^	--		
MW-5	03-26-97	55.43	24.22	ND	31.21	03-26-97	270	<10^	<10^	<10^	--		
MW-5	05-20-97	55.43	26.60	ND	28.83	05-20-97	290	<5^	<5^	<5^	--		
MW-5	08-18-97	55.43	NR	ND	NR	08-18-97	--	--	--	--	--		
MW-5	11-17-97	55.43	Not surveyed			11-17-97 Not analyzed for Halogenated Volatile Organic Compounds							
MW-5	12-02-99	55.43	29.84	ND	25.59	12-02-99	46*	<0.5*	<0.5*	<0.5*	--	0.53	P
MW-6	03-10-95	61.21	31.54	ND	29.67	03-11-95	1300	<20	--	<20	--		
MW-6	06-05-95	61.21	31.15	ND	30.06	06-05-95	2000	<20	--	<20	--		
MW-6	08-29-95	61.21	34.03	ND	27.18	08-29-95	1300	<20	--	<20	--		
MW-6	11-16-95	61.21	36.40	ND	24.81	11-16-95	1300	<20	--	<20	<20		
MW-6	02-28-96	61.21	30.18	ND	31.03	02-28-96	960	<20	<20	<20	--		
MW-6	05-28-96	61.21	30.29	ND	30.92	05-28-96	970	<20	<20	<20	--		
MW-6	08-19-96	61.21	33.54	ND	27.67	08-19-96	820	<20	<20	<20	--		
MW-6	11-21-96	61.21	35.70	ND	25.51	11-21-96	680	<20^	<20^	<20^	--		
MW-6	03-26-97	61.21	30.15	ND	31.06	03-26-97	830	<40^	<40^	<40^	--		
MW-6	05-20-97	61.21	32.40	ND	28.81	05-20-97	270	<5^	<5^	<5^	--		
MW-6	08-18-97	61.21	35.47	ND	25.74	08-18-97	420	<62.5^	<62.5^	--	--		
MW-6	11-17-97	61.21	37.25	ND	23.96	11-17-97 Not analyzed for Halogenated Volatile Organic Compounds							
MW-6	12-02-99	61.21	35.55	ND	25.66	12-02-99 Not sampled: not on sampling schedule							

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
MW-7	03-10-95	58.22	17.69	ND^^	40.53	03-11-95	Not sampled: floating product entered the well during purging						
MW-7	06-05-95	58.22	19.68	ND	38.54	06-05-95	<10	<10	--	<10	--		
MW-7	08-29-95	58.22	21.70	ND	36.52	08-29-95	<10	<10	--	<10	--		
MW-7	11-16-95	58.22	23.02	ND	35.20	11-16-95	<20	<20	--	<20	<20		
MW-7	02-28-96	58.22	16.54	ND	41.68	02-28-96	<10	<10	<10	<10	--		
MW-7	05-28-96	58.22	19.29	ND	38.93	05-28-96	<10	<10	<10	<10	--		
MW-7	08-19-96	58.22	21.84	ND	36.38	08-21-96	<1	<1	<1	<1	--		
MW-7	11-21-96	58.22	19.58	ND	38.64	11-21-96	<10^	<10^	<10^	<10^	--		
MW-7	03-26-97	58.22	19.67	ND	38.55	03-26-97	<20^	<20^	<20^	<20^	--		
MW-7	05-20-97	58.22	20.18	ND	38.04	05-20-97	<10^	<10^	<10^	<10^	--		
MW-7	08-18-97	58.22	22.21	ND	36.01	08-18-97	<10^	<10^	<10^	<10^	--		
MW-7	11-17-97	58.22	20.85	ND	37.37	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-7	12-02-99	58.22	20.92	ND	37.30	12-02-99	Not sampled: not on sampling schedule						
MW-8	03-10-95	53.65	23.60	ND	30.05	03-10-95	<1	<1	--	<1	--		
MW-8	06-05-95	53.65	23.48	ND	30.17	06-05-95	<1	<1	--	<1	--		
MW-8	08-29-95	53.65	26.44	ND	27.21	08-29-95	<1	<1	--	<1	--		
MW-8	11-16-95	53.65	28.90	ND	24.75	11-16-95	<1	<1	--	<1	<1		
MW-8	02-28-96	53.65	22.16	ND	31.49	02-28-96	3	<1	<1	<1	--		
MW-8	05-28-96	53.65	22.62	ND	31.03	05-28-96	<1	<1	<1	<1	--		
MW-8	08-19-96	53.65	26.70	ND	26.95	08-21-96	<1	<1	<1	<1	--		
MW-8	11-21-96	53.65	28.16	ND	25.49	11-21-96	7	<1	<1	<1	--		
MW-8	03-26-97	53.65	22.42	ND	31.23	03-26-97	<1	<1	<1	<1	--		
MW-8	05-20-97	53.65	24.84	ND	28.81	05-20-97	<0.5	<0.5	<0.5	<0.5	--		
MW-8	08-18-97	53.65	28.03	ND	25.62	08-18-97	<5	<5	<5	--	--		
MW-8	11-17-97	53.65	29.16	ND	24.49	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
MW-8	12-02-99	53.65	28.07	ND	25.58	12-02-99	Not sampled: not on sampling schedule						

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
RW-1	03-10-95	56.32	26.48	Sheen	29.84	03-10-95	260	<5	--	<5	--		
RW-1	06-05-95	56.32	26.20	ND	30.12	06-05-95	59	<1	--	<1	--		
RW-1	08-29-95	56.32	28.98	ND	27.34	08-29-95	570	<5	--	<5	--		
RW-1	11-16-95	56.32	31.34	ND	24.98	11-16-95	140	<1	--	<1	<1		
RW-1	02-28-96	56.32	25.12	ND	31.20	02-28-96	6	<1	<1	<1	--		
RW-1	05-28-96	56.32	25.26	ND	31.06	05-28-96	12	<1	<1	<1	--		
RW-1	08-19-96	56.32	28.51	ND	27.81	08-21-96	100	<1	<1	<1	--		
RW-1	11-21-96	56.32	30.65	ND	25.67	11-21-96	190	1	<1	<1	--		
RW-1	03-26-97	56.32	25.15	ND	31.17	03-26-97	6	<1	<1	<1	--		
RW-1	05-20-97	56.32	27.44	ND	28.88	05-20-97	5.3	<0.5	<0.5	<0.5	--		
RW-1	08-18-97	56.32	30.46	ND	25.86	08-18-97	46	<5	<5	--	--		
RW-1	11-17-97	56.32	32.16	ND	24.16	11-17-97 Not analyzed for Halogenated Volatile Organic Compounds							
RW-1	12-02-99	56.32	30.54	ND	25.78	12-02-99 Not sampled: not on sampling schedule							
WGR-3	03-10-95	NR	15.20	ND	NR	03-11-95	<1	<1	--	<1	--		
WGR-3	06-05-95	NR	19.25	ND	NR	06-05-95	<1	<1	--	<1	--		
WGR-3	08-29-95	NR	21.41	ND	NR	08-29-95	<1	<1	--	<1	--		
WGR-3	11-16-95	NR	22.50	ND	NR	11-16-95	<1	<1	--	<1	<1		
WGR-3	02-28-96	NR	14.90	ND	NR	02-28-96	<1	<1	<1	<1	--		
WGR-3	05-28-96	NR	18.33	ND	NR	05-28-96	<1	<1	<1	<1	--		
WGR-3	08-19-96	NR	21.38	ND	NR	08-19-96	<1	<1	<1	<1	--		
WGR-3	11-21-96	NR	18.70	ND	NR	11-21-96	<1	<1	<1	<1	--		
WGR-3	03-26-97	NR	18.98	ND	NR	03-26-97	<1	<1	<1	<1	--		
WGR-3	05-20-97	NR	19.70	ND	NR	05-20-97	<0.5	<0.5	<0.5	<0.5	--		

Table 1
Historical Groundwater Elevation and Analytical Data
Halogenated Volatile Organic Compounds (EPA method 8010 or 8240)
1995-Present**

ARCO Service Station 276
10600 MacArthur Boulevard, Oakland, California

Well Number	Date Gauged	TOC Elevation (ft MSL)	Depth to Water (feet)	FP Thickness (ft MSL)	Groundwater Elevation (ft MSL)	Date Sampled	Tetra-chloro-ethene (PCE) (µg/L)	Tri-chloro-ethene (TCE) (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	Freon 12 (µg/L)	Dissolved Oxygen (mg/L)	Purged/Not Purged (P/NP)
WGR-3	08-18-97	NR	21.81	ND	NR	08-18-97	<5	<5	<5	- -	- -		
WGR-3	11-17-97	NR	20.42	ND	NR	11-17-97	Not analyzed for Halogenated Volatile Organic Compounds						
WGR-3	12-02-99	NR	20.58	ND	NR	12-02-99	Not sampled: not on sampling schedule						

TOC: Top of Casing
ft-MSL: elevation in feet, relative to mean sea level
µg/L: micrograms per liter
ND: none detected
NR: not reported; data not available or not measurable
- -: not analyzed or not applicable
*: analyzed by EPA method 8021B
^: method reporting limit was raised due to: (1) high analyte concentration requiring sample dilution, or (2) matrix interference
^^: floating product entered the well during purging
**: For previous historical groundwater elevation and analytical data please refer to *Fourth Quarter 1995 Groundwater Monitoring Results and Remediation System Performance Evaluation Report, Retail Service Station 10600 and 10700 MacArthur Boulevard, Oakland, California, (EMCON, March 22, 1996).*

ATTACHMENT D

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

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ARCO
10600 MACARTHUR BLVD
OAKLAND, CA 94605

Regional Board - Case #: 01-0089
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**

Local Agency (lead agency) - Case #: 3756
ALAMEDA COUNTY LOP - **(RWS)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	3
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	15
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	N

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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ARCO
10600 MACARTHUR BLVD
OAKLAND, CA 94605

Regional Board - Case #: 01-0089
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: 3756
ALAMEDA COUNTY LOP - **(RWS)**

NOTE: THIS DATA WAS SUBMITTED AFTER THE SITE WAS CLOSED

CONF #	TITLE	QUARTER
4932017028	4Q 2005 BP/ARCO 276 EDF	Q4 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	12/14/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	3
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	3
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	15
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	N

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR

Appendix F

Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 01/09/2006 By jamesy **Receipt Number: WR2006-0011**
Permits Issued: W2006-0020 **Permits Valid from 04/24/2006 to 05/05/2006**

Application Id: 1135284468917 **City of Project Site:** Oakland
Site Location: 10605 Foothill Blvd , Oakland, CA 94605
Project Start Date: 04/24/2006 **Completion Date:** 05/05/2006

Applicant: ETIC Engineering - Vallerye Anderson **Phone:** 925-602-4710
2285 Morello Avenue, Pleasant Hill, CA 94523
Property Owner: Ken Phares Macarthur Blvd. Association **Phone:** 510-522-0450
10700 MacArthur Blvd., Oakland, CA 94605
Client: ** same as Property Owner **

Total Due:	$200.00
Total Amount Paid:	$200.00
Payer Name : ETIC Engineering Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 18 Boreholes
Driller: TEG - Lic #: 706568 - Method: DP **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0020	01/09/2006	~~04/23/2006~~ 5/5/06	18	2.00 in.	25.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

5. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

6. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H Ogawa Plaza. 2nd Floor. Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 10605 FOOTHILL BL Parcel# 047 -5594-001-00 Appl# X0600312

Descr soil boring on 106th Ave Permit Issued 03/22/06

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MACARTHUR BOULEVARD ASSOCIATES				
Contractor	TEG - NORTHERN CALIFORNIA INC	X		706568 A	C57
Arch/Engr					
Agent	ETIC ENGINEERS / B CAMPBELL		(925)602-4710		

Applic Addr 11350 MONIER PARK PLACE, RANCHO CORDOVA, CA, 95742

$411.96 TOTAL FEES PAID AT ISSUANCE

$59.00	Applic	$300.00	Permit
$.00	Process	$34.11	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$18.85	Tech Enh

JOB SITE

ADDRESS:

DIST:

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 10605 FOOTHILL BL Parcel# 047 -5594-001-00 Appl# OB060246

block s/w only per approved TCP soil boring on 106th Ave Permit Issued 03/22/06

Nbr of days: 1 Linear feet: 50
Effective: 05/02/06 Expiration: 05/02/06

SHORT TERM NON-METERED

		Applcnt	Phone#	Lic#	--License Classes--
Owner	MACARTHUR BOULEVARD ASSOCIATES				
Contractor	TEG - NORTHERN CALIFORNIA INC	X		706568 A	C57
Arch/Engr					
Agent	ETIC ENGINEERS / B CAMPBELL		(925)602-4710		
Applic Addr	11350 MONIER PARK PLACE, RANCHO CORDOVA, CA, 95742				

$100.98	TOTAL FEES PAID AT ISSUANCE		
$59.00	Applic	$29.00	Permit
$.00	Process	$8.36	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$4.62	Tech Enh

JOB SITE

ADDRESS:

DIST:

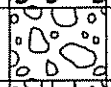
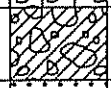
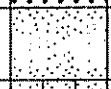
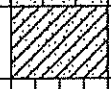
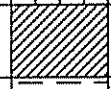
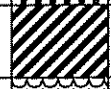
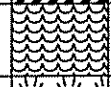
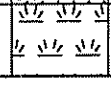
TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: _____ 3/22/06

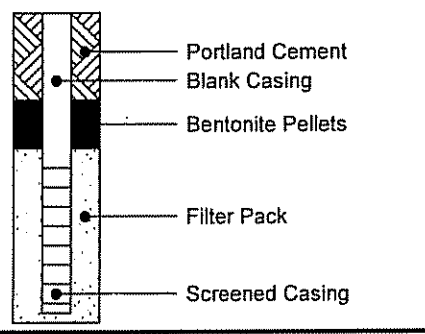
Issued by: _____

Appendix G

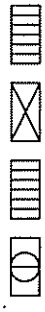
Boring Logs

MAJOR DIVISIONS			TYPICAL NAMES		
COARSE-GRAINED SOILS More than half is coarser than No. 200 sieve	GRAVELS more than half coarse fraction is larger than No. 4 sieve size	Clean gravels with little or no fines	GW		Well graded gravels with or without sand, little or no fines
			GP		Poorly graded gravels with or without sand, little or no fines.
		Gravels with over 12% fines	GM		Silty gravels, silty gravels with sand.
			GC		Clayey gravels, clayey gravels with sand.
	SANDS more than half coarse fraction is smaller than No. 4 sieve size	Clean sands with little or no fines	SW		Well graded sands with or without gravel, little or no fines
			SP		Poorly graded sands with or without gravels, little or no fines.
		Sands with over 12% fines	SM		Silty sands with or without gravel
			SC		Clayey sands with or without gravel.
FINE-GRAINED SOILS More than half is finer than No. 200 sieve	SILTS AND CLAYS liquid limit 50% or less		ML		Inorganic silts and very fine sands, rock flour, silts with sands and gravels.
			CL		Inorganic clays of low to medium plasticity, clays with sands and gravels, lean clays.
			OL		Organic silts or clays of low plasticity.
	SILTS AND CLAYS liquid limit greater than 50%		MH		Inorganic silts, micaceous or diatomaceous, fine sandy or silty soils, elastic silts.
			CH		Inorganic clays of high plasticity, fat clays
			OH		Organic clays or clays of medium to high plasticity.
HIGHLY ORGANIC SOILS			PT		Peat and other highly organic soils.

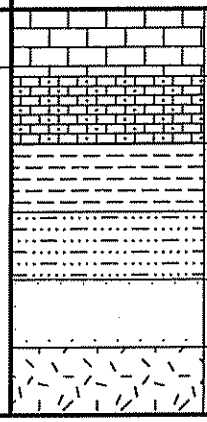
SYMBOLS



Samples



DRILL LOG ROCK TYPES



ETIC ENGINEERING

UNIFIED SOIL CLASSIFICATION SYSTEM DESCRIPTIONS AND SYMBOLS USED ON ETIC DRILL LOGS

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB14**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Borehole cleared to 4 feet bgs using a hand auger. Advanced with a limited access direct-push rig using 5-foot-long acetate macro-core liners

				START	FINISH
WATER LEVEL		▼ 11.0			
TIME		0915		TIME 0845	TIME 1000
DATE		05/02/06		DATE 5/2/06	DATE 5/2/06
REFERENCE		GS			

SURFACE CONDITIONS: Top soil/Grass

DESCRIPTION BY: E. Appel

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
				0						SILTY CLAY, dark olive brown (2.5Y 3/3), soft, low plasticity, some fine sand. moist to dry.
				1						
				2						
				3						
				4						Color change to yellowish brown (10YR 5/6).
60	60	-	2.2	5			X			
		-		6						
		-		7						
				8					CL	SILTY CLAY W/ SAND, yellowish brown (10YR 5/6) mottled with red and gray, stiff to very stiff, low plasticity, fine to medium grained sand, moist.
				9						
60	60	-	0.5	10			X			
		-		11 ▼						
		-		12						Decrease in sand content
				13						Change to no sand content
				14						SILTY CLAY. olive gray (5Y 4/2), soft, moderate plasticity, some coarse sand, moist.
60	60	-	0.3	15			X			
		-		16						
		-		17						SILTY SAND, olive (5Y 4/4). medium dense, fine grained. very moist to wet.
				18					SM	
				19						
				20						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING:

SB14

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
60	60		3 5	21	SM	SAND, dark olive (5Y 3/2), loose to medium dense, poorly graded, medium grained, subangular to subrounded, wet
				22		
				23		
				24	SP	
				25		Boring terminated at 25 feet bgs
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		
				40		
				41		
				42		
				43		
				44		
				45		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB15**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Borehole cleared to 4 feet bgs using a hand auger Advanced with a limited access direct-push rig using 5-foot-long acetate macro-core liners

				START	FINISH
WATER LEVEL		▼ 13.0			
TIME		1130		TIME 1000	TIME 1200
DATE		05/02/06		DATE 5/2/06	DATE 5/2/06
REFERENCE		GS			

SURFACE CONDITIONS: Top soil/Grass

DESCRIPTION BY: E. Appel

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	
				0					CLAY W/ SILT, very dark grayish brown (10YR 5/2), medium stiff to soft, moderate plasticity, moist.
				1					
				2					
				3					
				4					SILTY CLAY. brown (10YR 4/3). stiff to medium stiff. low plasticity, trace medium grained sand. moist.
60	60		1.3	5			X	CL	
				6					
				7					
				8					
				9					
60	60		1.4	10			X		Increase in stiffness to very stiff. some caliche deposits
				11					
				12					
				▼ 13					CLAYEY SILT/SILTY CLAY, olive (5Y 4/4), stiff to medium stiff, low plasticity. moist.
				14					
60	60		1.3	15			X	ML/CL	
				16					
				17					
				18					SILTY SAND TO SAND W/ SILT, olive (5Y 4/4). dense. fine grained sand. very moist.
				19				SP-SM	Change to wet
				20					

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING: SB15

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
60	60		48 9	21		Same as above. Interbedded sand and silt. 4" thick from 21 to 23 feet bgs
				22	SP-SM	
				23		
				24		
			1 4	25		Boring terminated at 25 feet bgs.
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		
				40		
				41		
				42		
				43		
				44		
				45		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB16**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Vironex
LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Borehole cleared to 4 feet bgs using a hand auger Advanced with a limited access direct-push rig using 5-foot-long acetate macro-core liners

				START	FINISH
WATER LEVEL		▼ 11.0			
TIME		1300		TIME 1100	TIME 1330
DATE		05/02/06			
REFERENCE		GS		DATE 5/2/06	DATE 5/2/06

SURFACE CONDITIONS: Top soil/Grass

DESCRIPTION BY: E. Appel

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
				0						SILTY CLAY, brown (10YR 4/3), stiff to very stiff. low plasticity, some fine to medium grained sand. moist
				1						
				2						
				3						
				4						
60	60	-	0.8	5			X			
		-		6						
		-		7						
				8						
				9					CL	
60	60	-	3.2	10			X			Some gravel, subangular to 0.5" diameter
		-		11 ▼						Wet
		-		12						
				13						
			1.2	14						Color change to olive (10YR 4/3)
				15			X			
60	60	-	3.6	16						
		-		17						
		-		18						SILTY SAND, olive (10YR 4/4). medium dense, fine grained, moist to very moist
				19					SM	
				20						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING: SB16

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG
60	60	-	24.3	21				SM
		-						
		-		22				
				23				SP
				24				
			1.0	25				
				26				
				27				
				28				
				29				
				30				
				31				
				32				
				33				
				34				
				35				
				36				
				37				
				38				
				39				
				40				
				41				
				42				
				43				
				44				
				45				

SILTY SAND, olive (10YR 4/4). medium dense, fine grained. moist to very moist

SAND, dark olive gray (5Y 3/2). medium dense. subrounded to subangular, medium grained with some fine grains. wet

Boring terminated at 25 feet bgs

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/05

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB17**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs Advanced using a truck mounted geoprobe with dual-tube direct-push technology Sampled with 4-foot-long acetate liners

				START	FINISH
WATER LEVEL		▼ 13.0			
TIME		0946		TIME 0840	TIME 1015
DATE		05/02/06		DATE 5/2/06	DATE 5/2/06
REFERENCE		GS			

SURFACE CONDITIONS: Top soil/Grass

DESCRIPTION BY: T. Iob

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION
				0	CL	SILTY CLAY, dark olive brown (2 5Y 3/3). soft. firm, low plasticity, some fine sand. moist to dry
				1		
				2		
				3		
				4		
48	48	-		5		Moderate fine to medium sand
		-				
		-	3.6	6		
				7		
				8		
48	48	-		9		
		-			SM	SILTY SAND. dark gray (2.5Y 4/1), medium dense. fine to medium sand, moist
		-	4.0	10		
				11	SP	SAND, dark gray (2 5Y 4/1), medium dense, fine sand with trace coarse sand, moist
				12		SILTY CLAY. light olive brown (2.5Y 5/4), stiff, low plasticity, trace fine sand, moist to dry
48	48	-		▼ 13	CL	
		-				
		-		14		Color change to dark olive gray (5Y 3/2)
				15		
			9.6	16	ML	CLAYEY SILT. olive gray (5Y 4/2), soft, very low plasticity. trace fine sand, moist
48	48	-				
		-		17	CL	SILTY CLAY. olive gray (5Y 4/2), soft, low plasticity. trace fine sand, moist
		-				
				18		Some fine sand
					SC	CLAYEY SAND, olive gray (5Y 4/2). loose. non-plastic. fine sand, moist
				19	ML	CLAYEY SILT. same as above
					SM	SILTY SAND. olive gray (5Y 4/2), medium dense, fine sand. moist
				20		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING:

SB17

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
48	48		149	21	SM	SILTY SAND. olive gray (5Y 4/2), medium dense. fine sand, moist
				22		Wet
				23	SP	SAND. dark olive gray (5Y 3/2). loose. fine to subangular coarse sand. wet
				24		
12	12		2.6	25	SW	SAND, same as above with some gravel to 0.5" diameter
						Boring terminated at 25 feet bgs.
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		
				40		
				41		
				42		
				43		
				44		
				45		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB18**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs Advanced using a truck mounted geoprobe with dual-tube direct-push technology Sampled with 4-foot-long acetate liners

				START	FINISH
WATER LEVEL		▼ 14.5			
TIME		1030		TIME 0800	TIME 0945
DATE		05/03/06		DATE 5/3/06	DATE 5/3/06
REFERENCE		GS			

SURFACE CONDITIONS: Top soil/Grass

DESCRIPTION BY: T. Iob

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG
				0					
				1					
				2					
				3					
48	48			4					
			4.2	5			X		
				6					
				7					CL
48	48			8					
				9					
			2.9	10			X		
				11					
48	48			12					
				13					
				14					
			2.2	15			X		ML
48	48			16					CL
				17					
				18					
				19					ML
				20			X		

SILTY CLAY, dark olive brown (2 5Y 3/3), stiff, low plasticity. trace fine sand, moist to dry

Color change to light olive brown (2 5Y 5/4)

CLAYEY SILT, light olive brown (2 5Y 5/4), firm, very low plasticity. trace fine sand. dry

SILTY CLAY, olive (5Y 5/4), firm. low plasticity, moist to dry

SANDY SILT. olive (5Y 5/4), soft, some fine sand. moist

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING: SB18

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
48	48		12.7	21	SM	SILTY SAND, olive (5Y 4/3), medium dense, fine sand. wet
				22		Fine to medium sand
				23	SP	SAND, very dark gray (5Y 3/1), medium dense. fine to medium sand, wet
				24		Change to loose, fine to coarse sand, trace subrounded gravel to 0.5"
			2.4	25		Boring terminated at 25 feet bgs
				26		
				27		
				28		
				29		
				30		
				31		
				32		
				33		
				34		
				35		
				36		
				37		
				38		
				39		
				40		
				41		
				42		
				43		
				44		
				45		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB19**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs. Advanced using a truck mounted geoprobe with dual-tube direct-push technology Sampled with 4-foot-long acetate liners

				START	FINISH
WATER LEVEL		▼ 12.5			
TIME		1618		TIME 1500	TIME 1700
DATE		05/02/06		DATE 5/2/06	DATE 5/2/06
REFERENCE		GS			

SURFACE CONDITIONS: Top soil/Grass

DESCRIPTION BY: T. lob

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG
				0	CL
48	48			4	
			10	5	
				6	ML
48	48			8	CL
			2.3	10	ML
48	48			12 ▼	CL
			14	15	
48	48			16	
				19	SM

SILTY CLAY. dark grayish brown (2.5Y 4/2), stiff. low plasticity, trace coarse sand, moist to dry

CLAYEY SILT. light olive brown (2.5Y 5/4), hard, dry

SILTY CLAY, light olive brown (2.5Y 5/4). very stiff. low plasticity, trace coarse sand, moist to dry

CLAYEY SILT, olive (5Y 5/4), hard, dry

SILTY CLAY, olive (5Y 4/4). hard, very low plasticity, dry

SILTY SAND. olive (5Y 4/4), dense, fine sand. moist

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING:

SB19

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
48	48		33.4	21					ML	SILT, olive (5Y 4/3), firm, trace fine sand, moist
				22					SM	SILTY SAND. olive gray (5Y 4/2), dense, fine to medium sand, moist
				23					SP	SAND, dark gray (5Y 4/1), loose, fine to medium sand. moist
				24						Fine to coarse sand. wet
12	12		1.1	25						Boring terminated at 25 feet bgs
				26						
				27						
				28						
				29						
				30						
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB20**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Cleared via air-knife and vacuum rig by Cascade Drilling to 4 feet bgs Advanced using a truck mounted geoprobe with dual-tube direct-push technology Sampled with 4-foot-long acetate liners

				START	FINISH
WATER LEVEL		▼ 12.95			
TIME		1223		TIME 1015	TIME 1130
DATE		05/02/06		DATE 5/2/06	DATE 5/2/06
REFERENCE		GS			

SURFACE CONDITIONS: Top soil/Grass

DESCRIPTION BY: T. Iob

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
				0					CL	SILTY CLAY, dark olive brown (2.5Y 3/3), soft, firm. low plasticity, some fine sand. moist to dry
				1						
				2						
				3						
48	48	-		4						
		-		5						Some fine to medium sand. iron staining
		-	1 9	6			X			
				7						Color change to very dark gray (2.5Y 3/1)
48	48	-		8						
		-		9						Trace fine to medium sand
		-	133	10			X			
				11					SM	SILTY SAND, very dark gray (5Y 3/1). medium dense, fine to medium sand, moist
									CL	SILTY CLAY, olive (5Y 4/3). hard. low plasticity, trace fine sand. dry
48	48	-		12						
		-		13 ▼						
		-		14						Color change to dark olive gray (5Y 3/2)
			92.4	15			X			
48	48	-		16						
		-		17						
		-		18						Some fine to medium sand
				19					SM	SILTY SAND, dark olive gray (5Y 3/2), dense, fine to medium sand, moist
									ML	CLAYEY SILT. olive gray (5Y 4/2), firm, very low plasticity. trace fine to medium sand, moist
				20			X			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING:

SB20

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
48	48		16 8	21	ML	SILTY SAND. dark olive gray (5Y 3/2), medium dense. fine to medium sand, wet
				22	SM	
				23		SAND, dark olive gray (5Y 3/2). loose. fine to very coarse subangular sand, wet
			65 3	24	SP	
12	12			25	SW	SAND, same as above with some subangular gravel to 0 5" diameter
						Boring terminated at 25 feet bgs

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

LOG OF SOIL BORING: **SB21**

COORDINATES:
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: TEG
LICENSE NUMBER: C57-706568

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

DRILLING AND SAMPLING METHODS: Cleared with hand auger to 8 feet bgs. Advanced using a truck mounted geoprobe with dual-tube direct-push technology Sampled with 4-foot-long acetate liners

				START	FINISH
WATER LEVEL		▼ 21.0			
TIME		1312		TIME 1115	TIME 1400
DATE		05/02/06		DATE 5/2/06	DATE 5/2/06
REFERENCE		GS			

SURFACE CONDITIONS: Concrete

DESCRIPTION BY: T. Iob

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
				0						SILTY CLAY. dark olive brown (2.5Y 3/3). soft, firm, low plasticity, some fine sand, moist to dry
				1						
				2						
				3			X			
				4						
				5						
				6						
				7						
48	48	-	0.5	8			X			SILTY CLAY, light olive brown (2.5Y 5/6), hard, very low plasticity, trace fine sand. dry
		-		9					CL	
		-								
				10						
				11						
				12						
48	48	-		13			X			
		-	3.2							
		-		14						Color change to dark olive gray (5YR 3/2)
				15						
				16						
48	48	-		17						
		-								Color change to olive brown with iron staining (2.5Y 4/3)
		-		18			X			
			1.2							
				19					SP	SAND. olive brown (2.5Y 4/3), medium dense, fine sand, moist
				20			X			

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

ETIC
Engineering, Inc.

CLIENT	SITE NUMBER	LOCATION
Exxon Mobil Oil Corp.	7-4121	10605 Foothill Blvd Oakland, California

LOG OF SOIL BORING:

SB21

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
48	48	-	0 9	21					SP	SAND, dark olive gray (5Y 3/2), loose. fine to very coarse angular and subrounded sand, wet
		-		22						
		-		23					SW	Color change to light olive brown (2 5Y 5/4) SAND, same as above with some subangular gravel to 0.5" diameter
			0 9	24						
12	12	-		25						Boring terminated at 25 feet bgs.
			1.4	26						
				27						
				28						
				29						
				30						
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

LOG OF SOIL BORING 7-4121 LOGS.GPJ ETIC.GDT 7/31/06

Appendix H

Field Protocols

PROTOCOLS FOR INSTALLATION, SAMPLING, AND ABANDONMENT OF DUAL TUBE DIRECT PUSH BORINGS

SUBSURFACE CLEARANCE SURVEY PROCEDURES

Prior to drilling, the proposed locations of borings will be marked with white paint. Underground Service Alert (USA) will be contacted prior to subsurface activities and a "ticket" will be issued for this investigation. USA members will mark underground utilities in the delineated areas using standard color code identifiers.

Once USA has marked the site, all proposed borehole locations will be investigated by subsurface clearance surveys to identify possible buried hazards (pipelines, drums, tanks). Subsurface clearance surveys use several geophysical methods to locate shallow buried man-made objects. The geophysical methods include electromagnetic induction (EMI) profiling, ground penetrating radar (GPR), and/or magnetic surveying. The choice of methods depends on the target object and potential interference from surrounding features.

Prior to drilling, all boreholes will be cleared of underground utilities to a depth of at least 4 feet below ground surface (bgs) in "non-critical zones" and to 8 feet bgs in "critical zones". Critical zones are defined as locations that are within 10 feet from the furthest edge of any underground storage tank (UST), within 10 feet of the product dispenser islands, the entire area between the UST field and the product dispenser islands, and within 10 feet of any suspected underground line. An 8- to 12-inch-diameter circle will be cut in the surface cover at each boring location.

SOIL CORING PROCEDURES

Soil and groundwater samples are collected for lithologic and chemical analysis using a direct driven dual tube soil coring system. A hydraulic hammer drives sampling rods into the ground to collect continuous soil cores. Two nested sampling rods are driven simultaneously: small-diameter inner sampling rods are used to obtain and retrieve the soil cores; the larger diameter (approximately 2-inch OD) outer rods serve as temporary drive casing.

As the rods are advanced, soil is driven into an approximately 1.5-inch-diameter sample barrel that is attached to the end of the inner rods. Soil samples are collected in sleeves inside the sample barrel as both rods are advanced. The use of outer rods prevents sloughing of the formation while the inner rods are withdrawn from the hole. This ensures that the drive sampler will always be sampling soil from the desired interval, rather than potentially contaminated soil that has sloughed in from higher up in the hole.

After being driven 3 feet, the inner rods are removed from the borehole. The sleeves containing the soil samples are removed from the inner sample barrel, and can then be preserved for chemical analyses or used for lithologic identification. The soil-filled liner is labeled with the bore number, sample depth, site location, date, and time. The samples are placed in bags and stored in a cooler containing ice. This process is repeated until the desired depth is reached.

When the sampler is retrieved, either the lowermost or middle sample liner is removed and the ends of the tube are covered with aluminum foil or a Teflon liner and sealed with plastic caps. Soil from

one of the liners is placed in a plastic bag. The soil is scanned with a flame ionization detector (FID) or a photo-ionization detector (PID).

All drive casing, inner sample barrels, inner rods, and tools are cleaned with Alconox or equivalent detergent and deionized water. All rinsate from the cleaning is contained in 55-gallon drums at the project site.

GROUNDWATER SAMPLING PROCEDURES

After the targeted water-bearing zone has been penetrated, the sample barrel and inner rods are removed from the borehole, and the drive casing is pulled up approximately 0.5 to 2 feet to allow groundwater to flow into the borehole. Small-diameter well casing with 0.010-inch slotted well screen or equivalent may be installed in the borehole to facilitate the collection of groundwater samples. Threaded sections of PVC are lowered into the borehole inside the drive casing. The drive casing is then pulled up to expose the slotted interval of the PVC. Groundwater samples may then be collected with a bailer, peristaltic pump, bladder pump or inertial pump until adequate sample volume is obtained.

Groundwater samples are preserved, stored in an ice-filled cooler, and are delivered, under chain-of-custody, to a laboratory certified by the California Department of Health Services (DHS) for hazardous materials analysis.

BOREHOLE GROUTING

On completion of soil and water sampling, boreholes will be abandoned with a neat cement grout. The grout is pumped through a grouting tube positioned at the bottom of the boreholes prior to withdrawing the outer rods.

SOIL VAPOR SURVEY METHODOLOGY

DTSC Protocols

Active Soil Vapor Sampling System

TEG's low-dead volume soil vapor sampling system has been inspected, endorsed, and is favored by all regulatory agencies who have seen it, including the EPA and CA DTSC. The design eliminates the risk of air leakage down the soil vapor probe, ensures sample collection from the tip, and greatly facilitates decontamination procedures.

Probe Construction

TEG's soil vapor probes are constructed of 1 inch outer diameter chrom-moly steel, equipped with a steel drop off tip. The Strataprobe can use a larger diameter probe if needed. Nominal lengths are 4 feet and additional lengths may be added to one another to achieve the required sampling depth. An inert 1/8 inch tube runs through the center of the probe and is attached to the sampling port with a stainless steel post run fitting.

Probe Insertion

The probe is driven into the ground with an electric rotary hammer, or with the Strataprobe. After inserted to the desired depth, the probe is retracted slightly, which opens the tip and exposes the vapor sampling port. This design prevents clogging of the sampling port and cross-contamination from soils during insertion. Once the probe rod is placed, the sample can be collected after waiting twenty minutes for equilibration.

Soil Gas Sampling

Soil vapor is withdrawn from the inert tubing using a calibrated syringe connected via an on-off valve. A purge volume test is conducted by sampling at the first soil vapor location three times after sequentially collecting and discarding one, three, and seven dead volumes of soil vapor gas to flush the sample tubing and fill it with in-situ soil vapor. The purge volume used prior to the sample yielding the highest analytical value is used for all subsequent sampling. After purging, the next 20cc to 50cc of soil vapor are withdrawn in the syringe, plugged, and immediately transferred to the mobile lab for analysis within the required holding time. During sampling, a leak check gas is used to confirm that the sample train and probe rod is tight and leak free. Additional soil vapor may be collected and stored in gas-tight containers (e.g. Summa canisters) as desired.

Flushing & Decontamination Procedures

To minimize the potential for cross-contamination between sites, all external probe parts are cleaned of excess dirt and moisture prior to insertion. The internal inert tubing and sampling syringes are flushed with large volumes of ambient air between samples or discarded as required. If water, dirt, or any material is observed in the tubing, the tubing is discarded and replaced with fresh tubing.

DTSC Protocols

Analytical Methodology

Soil vapor samples collected from each probe will be transferred directly to the on-site mobile laboratory and analyzed immediately. There will be minimal lag time between sample collection and analysis, ensuring that the integrity of the sample is maintained.

Samples will be analyzed on a gas chromatograph equipped with capillary columns and a combination of mass spectrometer (GC/MS), TCD, and FID detectors as needed. This combination of columns and detectors ensures compound separation, recognition, and detection at the required levels.

These detectors enable on-site analysis for petroleum hydrocarbons, volatile aromatics (BTEX), and volatile organic compounds (e.g. DCE, TCE, PCE, vinyl chloride) using EPA approved analytical methodology outlined in methods 8260B and 8015m. Output signals from each detector are processed by computer chromatography software and the results entered into a laboratory computer for on-site processing.

Daily instrument Calibration

Daily continuing calibration is performed at the start of each day by injecting and analyzing a mid-range calibration standard. Acceptable continuing calibration agreement: +/- 15% to 25% to the calibration curve, depending on the compound.

Blanks & Duplicates

Blanks are analyzed at the start of each day and more often as appropriate depending upon the measured concentrations. Typically, when high sample values are encountered, additional blanks may be analyzed. Duplicate samples are analyzed as needed or as requested by the client or regulatory agency.

Compound Confirmation

A MS (mass spectrometer) detector is used for absolute compound identification of VOCs. Also, a surrogate compound is added to each sample during analysis to confirm that the chromatographic retention times have not shifted during the course of the day and that surrogate recovery is adequate showing proper instrument operation and integrity.

Health and Safety - Training and Medical Monitoring Programs

In order to reduce potential employee exposure to hazardous materials and reduce the risk of injury incurred during the normal performance of work, TEG maintains active participation of personnel in a Injury and Illness Prevention Program (IIPP). Each TEG employee that performs work in a laboratory or in the field, is required to have completed a 40-hour training session in accordance with 29 CFR 1910.120. The Health and Safety Officer coordinates all aspects of training and maintaining the Injury and Illness Prevention program, including, but not limited to:

-- annual physical examination of field personnel (including an initial baseline exam upon hiring)
-- health, safety and hazardous material training
-- first aid and Cardio-Pulmonary Resuscitation (CPR) training
-- safety equipment inventory and purchasing
-- review of health and safety procedures, exposure limits, and plans for each project.

Work procedures and required safety conditions are determined on the basis of anticipated work, environmental conditions and levels of toxic chemicals at a given site. Consultation with client safety personnel or representatives is undertaken to determine potential health hazards to workers at that site. Each TEG employee participates in all pre-job safety meetings at each job site.

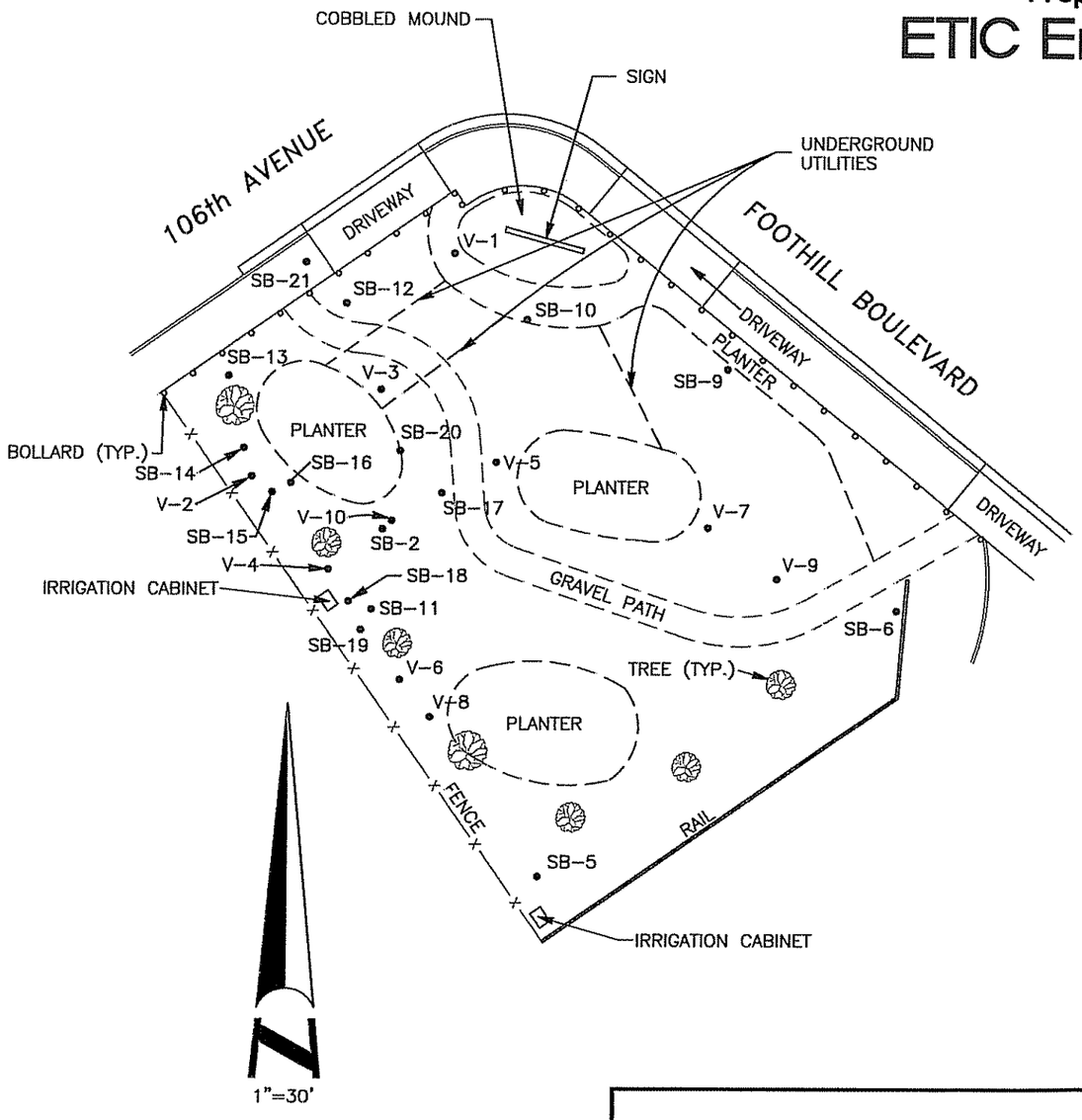
Appendix I

Survey Data

Soil Boring Exhibit

Prepared For:

ETIC Engineering



DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV (GND)
SB-2	2097689.1	6084715.4	37.7443190	-122.1496322	83.1
SB-5	2097618.9	6084747.2	37.7441278	-122.1495180	83.7
SB-6	2097672.7	6084818.9	37.7442791	-122.1492733	85.5
SB-9	2097721.3	6084784.7	37.7444109	-122.1493945	85.3
SB-10	2097731.3	6084744.3	37.7444362	-122.1495348	84.4
SB-11	2097672.9	6084713.2	37.7442745	-122.1496387	82.9
SB-12	2097734.5	6084707.8	37.7444433	-122.1496611	83.0
SB-13	2097719.9	6084684.2	37.7444019	-122.1497420	81.7
SB-14	2097705.4	6084687.4	37.7443624	-122.1497299	81.6
SB-15	2097696.5	6084693.1	37.7443382	-122.1497097	81.9
SB-16	2097698.4	6084696.9	37.7443436	-122.1496967	82.1
SB-17	2097696.4	6084727.4	37.7443396	-122.1495913	83.5
SB-18	2097674.5	6084708.6	37.7442786	-122.1496548	82.5
SB-19	2097668.7	6084711.1	37.7442629	-122.1496458	82.6
SB-20	2097704.9	6084718.9	37.7443625	-122.1496210	83.1
SB-21	2097742.7	6084699.7	37.7444654	-122.1496899	82.4
V-1	2097744.6	6084729.6	37.7444720	-122.1495864	84.0
V-2	2097699.7	6084689.0	37.7443468	-122.1497240	81.8
V-3	2097717.2	6084714.9	37.7443960	-122.1496356	83.2
V-4	2097681.0	6084704.5	37.7442961	-122.1496695	82.4
V-5	2097702.6	6084738.3	37.7443571	-122.1495539	84.0
V-6	2097658.7	6084719.1	37.7442356	-122.1496175	82.9
V-7	2097689.4	6084780.9	37.7443231	-122.1494057	85.1
V-8	2097651.1	6084725.2	37.7442152	-122.1495960	83.0
V-9	2097679.1	6084794.8	37.7442954	-122.1493569	85.4
V-10	2097690.8	6084717.3	37.7443238	-122.1496259	83.1

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.

COORDINATE DATUM IS NAD 83(1986).

DATUM ELLIPSOID IS GRS80.

REFERENCE GEOID IS NGS99.

CORS STATIONS USED WERE DIAB AND PTRB.

VERTICAL DATUM IS NAVD 88 FROM GPS OBSERVATIONS.

10605 Foothill Boulevard
Oakland
Alameda County
California

Morrow Surveying
LAND SURVEYORS

1450 Harbor Blvd. Ste. D
West Sacramento
California 95691
(916) 372-8124
jeff@morrowsurveying.com

Date: 5-16-06
Scale: 1" = 30'
Sheet 1 of 1
Revised:
Field Book: MW-26
Dwg. No. 1893-056 CT

Appendix J

Laboratory Analytical Reports

7-4121

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

RECEIVED
MAY 24 2006
ETIC ENGINEERING

17 May 2006

Ms. Sherris Prall
ETIC Engineering
2285 Morello Avenue
Pleasant Hill, CA 94523

SUBJECT: DATA REPORT - ETIC Engineering Project # TM4121.3
Former Exxon RS 7-4121, Oakland, California

TEG Project # 60501D

Ms Prall:

Please find enclosed a data report for the samples analyzed from the above referenced project for ETIC Engineering. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 18 analyses on 10 soil vapor samples.

-- 10 analyses on soil vapors for BTEX, MTBE and TPH-gasoline range by EPA method 8260B.

-- 8 analyses on soil vapors for oxygen by GC/TCD.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

1,1 difluoroethane was used as a leak check compound around the probe rods during the soil vapor sampling. No 1,1 difluoroethane was detected in any of the vapor samples reported at or above the DTSC recommended leak check compound reporting limit of 10 µg/L of vapor.

TEG appreciates the opportunity to have provided analytical services to ETIC Engineering on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

teg

ETIC Engineering Inc. Project # TM4121.3
Former Exxon RS 7-4121
10605 Foothill Boulevard, Oakland, California

TEG Project #60501D

EPA Method 8260B VOC Analyses of SOIL VAPOR in ug/L of Vapor, and Analyses of Oxygen in percent by Volume

SAMPLE NUMBER:		Probe Blank	V1	V1	V1	V3	V6
SAMPLE DEPTH (feet):			5.5	5.5	5.5	5.5	7.0
PURGE VOLUME:			1	3	7	7	7
COLLECTION DATE:		5/01/06	5/01/06	5/01/06	5/01/06	5/01/06	5/01/06
COLLECTION TIME:		10:50	11:11	11:31	11:53	17:13	15:03
DILUTION FACTOR (VOCs):		1	1	1	1	1	1
	RL						
Benzene	0.080	nd	0.19	0.19	0.20	0.12	0.17
Toluene	0.10	nd	0.11	0.11	nd	0.16	nd
Ethylbenzene	0.10	nd	nd	nd	nd	0.14	0.54
m,p-Xylene	0.10	nd	0.10	nd	nd	nd	0.41
o-Xylene	0.10	nd	nd	nd	nd	nd	nd
Methyl-t-butyl-ether (MTBE)	0.10	nd	nd	nd	nd	nd	nd
Oxygen	5%	21	–	–	9.4	19	9.1
TPH- gasoline range	5.0	nd	730	710	790	110	880
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		117%	123%	128%	121%	111%	115%
Surrogate Recovery (1,2-DCA-d4)		118%	128%	131%	126%	127%	127%

SAMPLE NUMBER:		V7	V7 dup	V9	V10	V10
SAMPLE DEPTH (feet):		7.5	7.5	7.5	8.0	10.0
PURGE VOLUME:		7	7	7	7	7
COLLECTION DATE:		5/01/06	5/01/06	5/01/06	5/01/06	5/01/06
COLLECTION TIME:		12:33	13:16	12:55	16:19	16:42
DILUTION FACTOR (VOCs):		1	1	1	1	10
	RL					
Benzene	0.080	0.084	nd	nd	1.1	1.9
Toluene	0.10	0.14	0.11	nd	0.13	nd
Ethylbenzene	0.10	nd	nd	nd	0.34	nd
m,p-Xylene	0.10	0.11	nd	nd	0.18	nd
o-Xylene	0.10	nd	nd	nd	nd	nd
Methyl-t-butyl-ether (MTBE)	0.10	nd	nd	nd	nd	nd
Oxygen	5%	21	20	19	11	9.0
TPH- gasoline range	5.0	22	24	360	6600**	17000
1,1 Diflouroethane (leak check)	10	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		118%	121%	124%	128%	116%
Surrogate Recovery (1,2-DCA-d4)		126%	127%	138%	127%	119%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits
'**' Indicates value beyond calibration range

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. John Henkelman

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

TEG Project #60501D

CALIBRATION STANDARDS - Initial Calibration / LCS

Instrument: Agilent 5973N MSD

COMPOUND	INITIAL CALIBRATION RF	INITIAL CALIBRATION %RSD	LCS RF	LCS %DIFF
Methyl-t-butyl-ether (MTBE)	0.350	14.4%	0.316	9.7%
Benzene	1.201	19.3%	1.092	9.1%
Toluene	0.702	12.5%	0.601	14.4%
Ethylbenzene	0.584	11.6%	0.602	3.1%
m,p-Xylene	0.708	18.3%	0.666	5.9%
o-Xylene	0.716	16.0%	0.738	3.1%
ACCEPTABLE LIMITS:		20.0%		15.0%

Sequoia Analytical

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17 May, 2006

Sherris Prall
ETIC Engineering Inc - Pleasant Hill (Exxon)
2285 Morello Avenue
Pleasant Hill, CA 94523

RE: Exxon 7-4121
Work Order: MPE0255

Enclosed are the results of analyses for samples received by the laboratory on 05/03/06 19:15. The samples arrived at a temperature of 6° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell
Project Manager

CA ELAP Certificate #1210

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0255
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/17/06 12:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Drum 5	MPE0255-01	Soil	05/02/06 15:15	05/03/06 19:15

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0255
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/17/06 12:17

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Drum 5 (MPE0255-01) Soil Sampled: 05/02/06 15:15 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E11001	05/11/06	05/11/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0255
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/17/06 12:17

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Drum 5 (MPE0255-01) Soil Sampled: 05/02/06 15:15 Received: 05/03/06 19:15									
Lead	ND	5 0	mg/kg	1	6E10008	05/10/06	05/11/06	EPA 6010B	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0255
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/17/06 12:17

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11001 - EPA 5035 heated prg										
Blank (6E11001-BLK1)				Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/kg							
Benzene	ND	0 5	"							
Toluene	ND	0 5	"							
Ethylbenzene	ND	0 5	"							
Xylenes (total)	ND	0 5	"							
Surrogate a.a.a-Trifluorotoluene	*43 1*		"	*40 0*		*108*	*75-120*			
Surrogate 4-Bromofluorobenzene	*39 0*		"	*40 0*		*98*	*45-135*			
LCS (6E11001-BS1)				Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	272	100	ug/kg	275		99	65-125			
Surrogate 4-Bromofluorobenzene	*40 9*		"	*40 0*		*102*	*45-135*			
LCS (6E11001-BS2)				Prepared & Analyzed: 05/11/06						
Benzene	9 27	1 0	ug/kg	10 0		93	55-150			
Toluene	10 0	1 0	"	10 0		100	80-125			
Ethylbenzene	10 8	1 0	"	10 0		108	65-120			
Xylenes (total)	32 0	1 0	"	30 0		107	80-130			
Surrogate a.a.a-Trifluorotoluene	*43 0*		"	*40 0*		*108*	*75-120*			
Matrix Spike (6E11001-MS1)	**Source: MPE0275-01**			Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	239	100	ug/kg	275	15	81	65-125			
Benzene	4 15	1 0	"	2 65	ND	157	55-150			QM01
Toluene	21 3	1 0	"	23 0	ND	93	80-125			
Ethylbenzene	4 42	1 0	"	4 60	ND	96	65-120			
Xylenes (total)	24 0	1 0	"	26 4	ND	91	80-130			
Surrogate a.a.a-Trifluorotoluene	*42 0*		"	*40 0*		*105*	*75-120*			
Surrogate 4-Bromofluorobenzene	*39 9*		"	*40 0*		*100*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0255
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/17/06 12:17

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11001 - EPA 5035 heated prg										
Matrix Spike Dup (6E11001-MSD1)	**Source: MPE0275-01**			Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	249	100	ug/kg	275	15	85	65-125	4	40	
Benzene	4 42	1 0	"	2 65	ND	167	55-150	6	35	QM01
Toluene	22 7	1 0	"	23 0	ND	99	80-125	6	40	
Ethylbenzene	4 89	1 0	"	4 60	ND	106	65-120	10	40	
Xylenes (total)	25 9	1 0	"	26.4	ND	98	80-130	8	40	
Surrogate a.a.a-Trifluorotoluene	*42 4*		"	*40 0*		*106*	*75-120*			
Surrogate 4-Bromofluorobenzene	*40 1*		"	*40 0*		*100*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0255
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/17/06 12:17

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E10008 - EPA 3050B										
Blank (6E10008-BLK1)				Prepared: 05/10/06 Analyzed: 05/11/06						
Lead	ND	2 5	mg/kg							
LCS (6E10008-BS1)				Prepared: 05/10/06 Analyzed: 05/11/06						
Lead	45 2	5 0	mg/kg	50 0		90	75-120			
Matrix Spike (6E10008-MS1)		**Source: MPE0176-01**		Prepared: 05/10/06 Analyzed: 05/11/06						
Lead	45 9	5 0	mg/kg	50 0	6 9	78	75-120			
Matrix Spike Dup (6E10008-MSD1)		**Source: MPE0176-01**		Prepared: 05/10/06 Analyzed: 05/11/06						
Lead	38 1	5 0	mg/kg	50 0	6 9	62	75-120	19	25	QM02

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0255
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/17/06 12:17

Notes and Definitions

QM02	The spike recovery was below control limits for the MS and/or MSD The batch was accepted based on acceptable LCS recovery
QM01	The spike recovery was above control limits for the MS and/or MSD The batch was accepted based on acceptable LCS recovery
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: SHERRIS PRALL
Project #: TM4121 TASK 3
Consultant Telephone Number: (925) 602-4710 EXT. 20
Fax No.: (925) 602-4720
Sampler Name: (Print) TRACY LOB
Sampler Signature:

TA Account #: 10236
Invoice To: (ExxonMobil PM unless otherwise indicate)
Report To: eticlabreports@eticeng.com
PO #: 4506877068
Facility ID # 7-4121
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Total Lead	Porosity ASTM D854	Moisture ASTM D2216				HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
MPE0255 DRUM 5 - 01	5/2/06	1515	1																X		X		X									10		

Special Instructions: GLOBAL ID# T0600120383 EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Relinquished by:	Date	Time	Received by:	Date	Time
	5/3/06	1452		5/3/06	1415
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	5/3/06	1915		5/3/06	1915

Laboratory Comments:
Temperature Upon Receipt: 5.4 C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N N/A

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - If yes, please a pre-schedule w/ TestAmerica
Project Manager or attach specifc instructions

C:\DOCUME~1\ddb\LOCALS~1\Temp\7-4121 TA COC

1 of 1

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ETIC
REC. BY (PRINT): C.B.
WORKORDER: MPE0255

DATE REC'D AT LAB: 5-3-06
TIME REC'D AT LAB: 1915
DATE LOGGED IN: 5/6/06

For Regulatory Purposes?
DRINKING WATER YES (NO)
WASTE WATER YES (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent / Intact / Broken*									metal can
2. Chain-of-Custody: Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Read Temp: 5.4 C Corrected Temp: 5.1 C Is corrected temp 4 +/-2°C? Yes / No**									
(Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / DFF ON ICE or Problem COC									

5-3-06 DC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Sequoia Analytical

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18 May, 2006

Sherris Prall
ETIC Engineering Inc - Pleasant Hill (Exxon)
2285 Morello Avenue
Pleasant Hill, CA 94523

RE: Exxon 7-4121
Work Order: MPD0939

Enclosed are the results of analyses for samples received by the laboratory on 04/28/06 19:20. The samples arrived at a temperature of 4° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell
Project Manager

CA ELAP Certificate #1210

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPD0939
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/18/06 16:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Drum (1-4)	MPD0939-01	Soil	04/27/06 15:00	04/28/06 19:20

Sequoia Analytical

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPD0939
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/18/06 16:42

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Drum (1-4) (MPD0939-01) Soil Sampled: 04/27/06 15:00 Received: 04/28/06 19:20									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E08002	05/08/06	05/08/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPD0939
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/18/06 16:42

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Drum (1-4) (MPD0939-01) Soil Sampled: 04/27/06 15:00 Received: 04/28/06 19:20									
Lead	13	5.0	mg/kg	1	6E04021	05/04/06	05/05/06	EPA 6010B	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPD0939
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/18/06 16:42

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E08002 - EPA 5035 heated prg										
Blank (6E08002-BLK1)				Prepared & Analyzed: 05/08/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/kg							
Benzene	ND	0 5	"							
Toluene	ND	0 5	"							
Ethylbenzene	ND	0 5	"							
Xylenes (total)	ND	0 5	"							
Surrogate a.a.a-Trifluorotoluene	*42 5*		"	*40 0*		*106*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 7*		"	*40 0*		*94*	*45-135*			
LCS (6E08002-BS1)				Prepared & Analyzed: 05/08/06						
Gasoline Range Organics (C4-C12)	272	100	ug/kg	275		99	65-125			
Surrogate 4-Bromofluorobenzene	*40 3*		"	*40 0*		*101*	*45-135*			
LCS (6E08002-BS2)				Prepared & Analyzed: 05/08/06						
Benzene	9 40	1 0	ug/kg	10 0		94	55-150			
Toluene	9 97	1 0	"	10 0		100	80-125			
Ethylbenzene	10 8	1 0	"	10 0		108	65-120			
Xylenes (total)	31 6	1 0	"	30 0		105	80-130			
Surrogate a.a.a-Trifluorotoluene	*42 6*		"	*40 0*		*106*	*75-120*			
Matrix Spike (6E08002-MS1)	**Source: MPD0937-06**			Prepared & Analyzed: 05/08/06						
Gasoline Range Organics (C4-C12)	216	100	ug/kg	275	13	74	65-125			
Benzene	3 97	1 0	"	2 65	ND	150	55-150			
Toluene	19 4	1 0	"	23 0	ND	84	80-125			
Ethylbenzene	3 91	1 0	"	4 60	ND	85	65-120			
Xylenes (total)	20 6	1 0	"	26 4	0 36	77	80-130			QM02
Surrogate a.a.a-Trifluorotoluene	*41 6*		"	*40 0*		*104*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 2*		"	*40 0*		*93*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPD0939
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/18/06 16:42

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E08002 - EPA 5035 heated prg										
Matrix Spike Dup (6E08002-MSD1)	**Source: MPD0937-06**			Prepared & Analyzed: 05/08/06						
Gasoline Range Organics (C4-C12)	182	100	ug/kg	275	13	61	65-125	17	40	QM02
Benzene	3 57	1 0	"	2 65	ND	135	55-150	11	35	
Toluene	17 4	1 0	"	23 0	ND	76	80-125	11	40	QM02
Ethylbenzene	3 53	1 0	"	4 60	ND	77	65-120	10	40	
Xylenes (total)	18 5	1 0	"	26 4	0 36	69	80-130	11	40	QM02
Surrogate a a a-Trifluorotoluene	*41 5*		"	*40 0*		*104*	*75-120*			
Surrogate 4-Bromofluorobenzene	*35 4*		"	*40 0*		*88*	*45-135*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www sequoialabs com

ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPD0939
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/18/06 16:42

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E04021 - EPA 3050B										
Blank (6E04021-BLK1)				Prepared: 05/04/06 Analyzed: 05/05/06						
Lead	ND	2.5	mg/kg							
LCS (6E04021-BS1)				Prepared: 05/04/06 Analyzed: 05/05/06						
Lead	48 4	5 0	mg/kg	50 0		97	75-120			
Matrix Spike (6E04021-MS1)		**Source: MPD0489-01**		Prepared: 05/04/06 Analyzed: 05/05/06						
Lead	43 2	5 0	mg/kg	50 0	3 3	80	75-120			
Matrix Spike Dup (6E04021-MSD1)		**Source: MPD0489-01**		Prepared: 05/04/06 Analyzed: 05/05/06						
Lead	39 3	5 0	mg/kg	50 0	3 3	72	75-120	9	25	QM02

Sequoia Analytical

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPD0939
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/18/06 16:42

Notes and Definitions

QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: SHERRIS PRALL
Consultant Telephone Number: (925) 602-4710 EXT. 20
Sampler Name: (Print) TRACY JOB
Sampler Signature: Tracy Job

Project #: TM4121 TASK 3
Fax No.: (925) 602-4720

TA Account #: 10236
Invoice To: (ExxonMobil PM unless otherwise indicate)
Report To: eticlabreports@eticeng.com
PO #: 4506877068
Facility ID # 7-4121 MPD0939
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label) Ice	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Total Lead by 6010	Porosity ASTM D854	Moisture ASTM D2216	HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
DRUM 1 } COMPOSITE ALL	4/26/06	1600	1		X									X					X		X			X					10		
DRUM 2	4/27/06	1315	1		X									X					X		X			X					10		
DRUM 3	4/27/06	1445	1		X									X					X		X			X					10		
DRUM 4	4/27/06	1500	1		X									X					X		X			X					10		

Special Instructions:
Composite all samples
GLOBAL ID# T0600120383
EDF FILE REQUIRED
OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Laboratory Comments:
Temperature Upon Receipt: 4.4
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N (N/A)

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please a pre-schedule w/ TestAmerica Project Manager or attach specific instructions

Relinquished by:	Date	Time	Received by:	Date	Time
Tracy Job	4/27/06	1700		4/28/06	1430
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	4/28/06	1920	MH	4/28/06	1920

\\OME-TUA01\LOCALS~1\Temp\7-4121 TA COC

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ETIC / EXXON
REC. BY (PRINT): PH
WORKORDER: MPD0939

DATE REC'D AT LAB: 4/28/06
TIME REC'D AT LAB: 1920
DATE LOGGED IN: 4-28-06

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER (YES) / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*									
2. Chain-of-Custody (Present) / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. **Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No***									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No*)									
14. Read Temp: 4.4°C Corrected Temp: 4.4°C Is corrected temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

Metal Core
4/28/06
Analysis

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

E T S

1343 Redwood Way
Petaluma, CA 94954
(707) 795-9605 / FAX 795-9384

Environmental Technical Services

-Soil, Water & Air Testing & Monitoring
-Analytical Labs
-Technical Support

Serving people and the environment so that both benefit.

CLIENT: Test-America Sequoia, 885 Jarvis Drive, Morgan Hill, CA 95037
ATTN: Christina Dell
PROJECT ID: MPD0490

DATES COLLECTED	DATE RECEIVED	DATE of REPORT
4/26 & 4/27	5/2/06	5/10/06

POROSITY AND PERMEABILITY TEST RESULTS

SAMPLE IDs	BORING	DEPTH	DRY DENSITY lbs/cuft	PERCENT MOISTURE (on dry wt.)	SPECIFIC GRAVITY gm/cc	TOTAL TEST VOLUME cc	VOLUME SOLIDS cc	VOID VOLUME PERCENTS AIR FILLED %	VOID VOLUME PERCENTS WATER FILLED %	POROSITY (pore volume) PERCENT	PERMEABILITY (average) cm/sec
01943-1 (MPD0940-01)	SB-14	@ 2.5'	100.8	23.91	2.63	103.0	63.3	19.27	19.30	38.57	-
01943-2 (MPD0940-02)	SB-15	@ 2.5'	95.1	22.08	2.63	228.4	132.4	23.95	18.09	42.04	-
01943-3 (MPD0940-03)	SB-16	@ 2.5'	85.3	20.18	2.57	270.3	143.7	30.03	16.79	46.82	-
01943-4 (MPD0940-04)	SB-17	@ 2.5'	97.1	20.32	2.56	283.1	172.2	22.31	16.89	39.20	-
01943-5 (MPD0940-05)	SB-18	@ 3.0'	92.1	23.88	2.61	260.6	147.4	24.17	19.28	43.45	-
01943-6 (MPD0940-06)	SB-19	@ 2.5'	94.4	23.54	2.58	225.2	132.1	22.30	19.05	41.35	-
01943-7 (MPD0940-07)	SB-20	@ 2.5'	90.3	21.83	2.54	254.2	144.8	25.12	17.92	43.04	-

Test Notes: a few of the samples, especially the second sample, were slightly loose in their tubes so they were pressed in order that they conform to their original position in the collection tube; the first sample (SB-14) had less than half the volume of the remaining sample tubes.

COMMENTS/NOTES:
All of these samples are in the typical range for most soil and sediment materials as concerns their dry bulk densities, i.e., most are in the range of 90-100 lbs/cuft with just one sample at about 85 lbs/cuft. Moisture content seems pretty typical under the circumstances, but specific gravities, while definitely within the typical range, are just slightly below the average (of 2.65-2.70 gm/cc). Nevertheless, pore volumes seem fairly typical for clayey sand to sandy clay materials with significant silt content, i.e., most are in the lower forties with two just below that (@ ≈39%) and one just above (@ ≈47%); the overall average is just over 42%.

\\\\\ NOTES: Testing follows methodology as per the Association of Testing Materials (ASTM) protocols as follows: ASTM D-2434 Test Method for Permability of Granular Soils (Constant Head); or ASTM D-5084 Standard Test Method for Measuring Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter. Density, dry bulk or native, etc.) - ASTM D-2937 Test Method for Density of Soil in Place by Drive-Cylinder ; and Specific Gravity - ASTM D-854 Test Method for Specific Gravity of Soils.

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: SHERRIS PRALL
Consultant Telephone Number: (925) 602-4710 EXT. 20
Sampler Name: (Print) TRACY JOB
Sampler Signature: Tracy Job

Project #: TM4121 TASK 3
Fax No.: (925) 602-4720

TA Account #: 10236
Invoice To: (ExxonMobil PM unless otherwise indicate)
Report To: eticlabreports@eticeng.com
PO #: 4506877068 HPDO 950
Facility ID # 7-4121
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

Sample ID or Field ID		Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label) ICE	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B		Porosity ASTM D854	Moisture ASTM D2216				HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
SB-14, 2.5'	01	4/26/06	1330	1											X					X						X	X					10		
SB-15, 2.5'	02	4/27/06	1030	1											X					X						X	X					10		
SB-16, 2.5'	03	4/27/06	1130	1											X					X						X	X					10		
SB-17, 2.5'	04	4/26/06	1300	1											X					X						X	X					10		
SB-18, 3.0'	05	4/26/06	1440	1											X					X						X	X					10		
SB-19, 2.5'	06	4/26/06	1501	1											X					X						X	X					10		
SB-20, 2.5'	07	4/26/06	1150	1											X					X						X	X					10		

Special Instructions:

GLOBAL ID# T0600120383

EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Laboratory Comments:
Temperature Upon Receipt: 4.4°C
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N (N/A)

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please a pre-schedule w/ TestAmerica Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
TRACY JOB	4/27/06	1700		4/27/06	1954
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	4/28/06	1920	MH	4/28/06	1920

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ETIC/EXXON
REC. BY (PRINT): PH
WORKORDER: MPD0940

DATE REC'D AT LAB: 4/28/06
TIME REC'D AT LAB: 1920
DATE LOGGED IN: 4-30-06

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*									
2. Chain-of-Custody (Present) / Absent*									
3. Traffic Reports or Packing List: Present / (Absent)									
4. Airbill: Airbill / Sticker (Present) / Absent									
5. Airbill #: —									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. **Does information on chain-of-custody, traffic reports and sample labels agree?** **(Yes) / No***									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No)									
14. Read Temp: 4.4°C Corrected Temp: 4.4°C Is corrected temp 4 +/-2°C? (Yes) / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

4/28/06 Metal Comp Unclear

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SUBCONTRACT ORDER

Printed: 5/1/06 4:22:56PM

Sequoia Analytical - Morgan Hill

MPD0940

SENDING LABORATORY:

Sequoia Analytical - Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037
Phone: 408-776-9600
Fax: 408-782-6308
Project Manager: Christina Dell
Sending lab received date: 04/28/06 19:20

RECEIVING LABORATORY:

ETS
1343 Redwood Way
Petaluma, CA 94954
Phone: (707) 795-9605
Fax: (707) 795-9384

☐ Drinking Water
☐ Waste Water
☐ Other

Please use standard TAT unless specific due date is requested -> Due date:_____ Initials:_____

Analysis	SLD Date	Expires	Laboratory ID	Comments
Sample ID: MPD0940-01 (Soil sampled on 04/26/06 13:30)				
Misc. Subcontract	05/11/06 12:00	10/23/06 13:30		ETS,Moisture ASTM D2216
Porosity	05/11/06 12:00	05/10/06 13:30		ETS, ASTM D854
Containers Supplied:				
Metal Core (A)				
Sample ID: MPD0940-02 (Soil sampled on 04/27/06 10:30)				
Misc. Subcontract	05/11/06 12:00	10/24/06 10:30		ETS,Moisture ASTM D2216
Porosity	05/11/06 12:00	05/11/06 10:30		ETS, ASTM D854
Containers Supplied:				
Metal Core (A)				
Sample ID: MPD0940-03 (Soil sampled on 04/27/06 11:30)				
Misc. Subcontract	05/11/06 12:00	10/24/06 11:30		ETS,Moisture ASTM D2216
Porosity	05/11/06 12:00	05/11/06 11:30		ETS, ASTM D854
Containers Supplied:				
Metal Core (A)				
Sample ID: MPD0940-04 (Soil sampled on 04/26/06 13:00)				
Misc. Subcontract	05/11/06 12:00	10/23/06 13:00		ETS,Moisture ASTM D2216
Porosity	05/11/06 12:00	05/10/06 13:00		ETS, ASTM D854
Containers Supplied:				
Metal Core (A)				
Sample ID: MPD0940-05 (Soil sampled on 04/26/06 14:40)				
Misc. Subcontract	05/11/06 12:00	10/23/06 14:40		ETS,Moisture ASTM D2216
Porosity	05/11/06 12:00	05/10/06 14:40		ETS, ASTM D854
Containers Supplied:				
Metal Core (A)				

Released By	Date	Time	Received By	Date	Time
[signature]	5-1-06		[signature]	MAY 2, 2006	9:00 A.M.
Released By	Date	Time	Received By	Date	Time

Sequoia Analytical - Morgan Hill

MPD0940

Analysis	SLD Date	Expires	Laboratory ID	Comments
Sample ID: MPD0940-06 (Soil sampled on 04/26/06 15:01)			[redacted]	
Misc. Subcontract	05/11/06 12:00	10/23/06 15:01		ETS,Moisture ASTM D2216
Porosity	05/11/06 12:00	05/10/06 15:01		ETS, ASTM D854
Containers Supplied:				
Metal Core (A)				
Sample ID: MPD0940-07 (Soil sampled on 04/26/06 11:50)			[redacted]	
Misc. Subcontract	05/11/06 12:00	10/23/06 11:50		ETS,Moisture ASTM D2216
Porosity	05/11/06 12:00	05/10/06 11:50		ETS, ASTM D854
Containers Supplied:				
Metal Core (A)				

Released By	Date	Time	Received By	Date	Time
[signature]	5-1-06		[signature]	MAY 1, 2006	9:00 A.M.
Released By	Date	Time	Received By	Date	Time

E T S

1343 Redwood Way
Petaluma, CA 94954
(707) 795-9605 / FAX 795-9384

Environmental Technical Services

-Soil, Water & Air Testing & Monitoring
-Analytical Labs
-Technical Support

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CLIENT: Test-America Sequoia, 885 Jarvis Drive, Morgan Hill, CA 95037
ATTN: Christina Dell
PROJECT ID: MPE0188

DATES COLLECTED	DATE RECEIVED	DATE of REPORT
5/2/06	5/11/06	5/19/06

POROSITY AND PERMEABILITY TEST RESULTS

SAMPLE IDs	BORING	DEPTH	DRY DENSITY lbs/cuft	PERCENT MOISTURE (on dry wt.)	SPECIFIC GRAVITY gm/cc	TOTAL TEST VOLUME cc	VOLUME SOLIDS cc	VOID VOLUME PERCENTS AIR FILLED %	VOID VOLUME PERCENTS WATER FILLED %	POROSITY (pore volume) PERCENT	PERMEABILITY (average) cm/sec
01963-1 (MPE0188-39)	SB21	@ 2.5-3.0'	**101.2**	**20.89**	**2.65**	**189.9**	**116.2**	**21.53**	**17.28**	**38.81**	-

Test Notes: this samples was somewhat loose in its tubes so it was re-compacted in order that it conform to its original position in the collection tube.

COMMENTS/NOTES:
This sample is in a fairly typical range for most soil and sediment materials as concerns its dry bulk density, i.e., at around 100 lbs/cuft. Moisture content seems quite typical under the circumstances, and specific gravity is within the typical range. However, while pore volume is close to 40%, it may or may not be a little lower than expected or typical for a sandy, silty clay material such as this depending on site conditions.

\\\\\ NOTES: Testing follows methodology as per the Association of Testing Materials (ASTM) protocols as follows: ASTM D-2434 Test Method for Permability of Granular Soils (Constant Head); or ASTM D-5084 Standard Test Method for Measuring Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter. Density, dry bulk or native, etc.) - ASTM D-2937 Test Method for Density of Soil in Place by Drive-Cylinder ; and Specific Gravity - ASTM D-854 Test Method for Sepcific Gravity of Soils.

SUBCONTRACT ORDER

Printed: 5/9/06 4:14:45PM

Sequoia Analytical - Morgan Hill

MPE0188

SENDING LABORATORY:	RECEIVING LABORATORY:	
Sequoia Analytical - Morgan Hill	ETS	☐ Drinking Water
885 Jarvis Drive	1343 Redwood Way	☐ Waste Water
Morgan Hill, CA 95037	Petaluma, CA 94954	☐ Other
Phone: 408-776-9600	Phone: (707) 795-9605	
Fax: 408-782-6308	Fax: (707) 795-9384	
Project Manager: Christina Dell		
Sending lab received date: 05/03/06 19:15		

Please use standard TAT unless specific due date is requested -> Due date:_____ Initials:_____

Analysis	SLD Date	Expires	Laboratory ID	Comments
Sample ID: MPE0188-39 (Soil sampled on 05/02/06 11:30)			[redacted]	SB21 – 2.5–3.0'
Misc. Subcontract	05/16/06 12:00	10/29/06 11:30		Moisture ASTM D2216 - SUB to ETS
Porosity	05/16/06 12:00	05/16/06 11:30		SUB to ETS
Containers Supplied:				
Metal Core (A)				

Released By	Date	Time	Received By	Date	Time
[signature]	5/10/06		[signature]	MAY 11, 2006	9:20 A.M.
Released By	Date	Time	Received By	Date	Time

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www sequoialabs com

24 May, 2006

Sherris Prall
ETIC Engineering Inc - Pleasant Hill (Exxon)
2285 Morello Avenue
Pleasant Hill, CA 94523

RE: Exxon 7-4121
Work Order: MPE0195

Enclosed are the results of analyses for samples received by the laboratory on 05/03/06 19:15. The samples arrived at a temperature of 6° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www sequoialabs com

ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB14	MPE0195-01	Water	05/02/06 09:50	05/03/06 19:15
SB15	MPE0195-02	Water	05/02/06 11:45	05/03/06 19:15
SB16	MPE0195-03	Water	05/02/06 13:10	05/03/06 19:15
SB17	MPE0195-04	Water	05/02/06 09:30	05/03/06 19:15
SB19	MPE0195-05	Water	05/02/06 16:30	05/03/06 19:15
SB20	MPE0195-06	Water	05/02/06 10:55	05/03/06 19:15
SB21	MPE0195-07	Water	05/02/06 13:30	05/03/06 19:15
SB18	MPE0195-08	Water	05/03/06 09:30	05/03/06 19:15

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www sequoialabs com

ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14 (MPE0195-01) Water Sampled: 05/02/06 09:50 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**820**	55	ug/l	1	6E09047	05/09/06	05/17/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*88 %*	*30-115*		"	"	"	"	
SB15 (MPE0195-02) Water Sampled: 05/02/06 11:45 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**440**	55	ug/l	1	6E09047	05/09/06	05/17/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*83 %*	*30-115*		"	"	"	"	
SB16 (MPE0195-03) Water Sampled: 05/02/06 13:10 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**1700**	62	ug/l	1	6E09047	05/09/06	05/17/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*86 %*	*30-115*		"	"	"	"	
SB17 (MPE0195-04) Water Sampled: 05/02/06 09:30 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**7500**	530	ug/l	10	6E09047	05/09/06	05/17/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*101 %*	*30-115*		"	"	"	"	
SB19 (MPE0195-05) Water Sampled: 05/02/06 16:30 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**720**	62	ug/l	1	6E09047	05/09/06	05/17/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*80 %*	*30-115*		"	"	"	"	
SB20 (MPE0195-06) Water Sampled: 05/02/06 10:55 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**4300**	500	ug/l	10	6E09047	05/09/06	05/17/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*103 %*	*30-115*		"	"	"	"	
SB21 (MPE0195-07) Water Sampled: 05/02/06 13:30 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**440**	54	ug/l	1	6E09047	05/09/06	05/17/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*80 %*	*30-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB18 (MPE0195-08) Water Sampled: 05/03/06 09:30 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**1700**	200	ug/l	2	6E09047	05/09/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*80 %*	*30-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14 (MPE0195-01) Water Sampled: 05/02/06 09:50 Received: 05/03/06 19:15									
Benzene	**1.89**	0.500	ug/L	1	6053244	05/16/06	05/16/06	SW846 8260B	
Ethylbenzene	**102**	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Xylenes, total	**5.56**	0.500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*94 %*		*79-122*		"	"	"	
Surrogate: Toluene-d8		*108 %*		*78-121*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*		*78-126*		"	"	"	
Tert-Amyl Methyl Ether	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.500	"	"	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Tertiary Butyl Alcohol	ND	10.0	"	"	"	"	"	"	
SB15 (MPE0195-02) Water Sampled: 05/02/06 11:45 Received: 05/03/06 19:15									
Benzene	**18.4**	0.500	ug/L	1	6053244	05/16/06	05/16/06	SW846 8260B	
Ethylbenzene	**42.6**	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Xylenes, total	**4.16**	0.500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*92 %*		*79-122*		"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-121*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*		*78-126*		"	"	"	
Tert-Amyl Methyl Ether	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.500	"	"	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Tertiary Butyl Alcohol	ND	10.0	"	"	"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16 (MPE0195-03) Water Sampled: 05/02/06 13:10 Received: 05/03/06 19:15									
Benzene	**30.3**	0.500	ug/L	1	6053244	05/16/06	05/16/06	SW846 8260B	
Toluene	**0.820**	0.500	"	"	"	"	"	"	
Xylenes, total	**11.3**	0.500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*70-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*	*79-122*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*78-121*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*78-126*		"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.500	"	"	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Tertiary Butyl Alcohol	ND	10.0	"	"	"	"	"	"	
SB16 (MPE0195-03RE1) Water Sampled: 05/02/06 13:10 Received: 05/03/06 19:15									
Ethylbenzene	**410**	5.00	ug/L	10	6053384	05/16/06	05/16/06	SW846 8260B	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*79-122*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*78-121*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*78-126*		"	"	"	"	
SB17 (MPE0195-04) Water Sampled: 05/02/06 09:30 Received: 05/03/06 19:15									
Benzene	**2140**	25.0	ug/L	50	6053244	05/16/06	05/16/06	SW846 8260B	
Ethylbenzene	**4690**	25.0	"	"	"	"	"	"	
Toluene	**1400**	25.0	"	"	"	"	"	"	
Xylenes, total	**11100**	25.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*70-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*79-122*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*78-121*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*78-126*		"	"	"	"	
Tert-Amyl Methyl Ether	ND	25.0	"	50	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25.0	"	"	"	"	"	"	
Ethyl tert-Butyl Ether	ND	25.0	"	"	"	"	"	"	
Diisopropyl Ether	ND	25.0	"	"	"	"	"	"	
Methyl tert-Butyl Ether	ND	25.0	"	"	"	"	"	"	
Tertiary Butyl Alcohol	ND	500	"	"	"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB19 (MPE0195-05) Water Sampled: 05/02/06 16:30 Received: 05/03/06 19:15									
Benzene	**4.19**	0.500	ug/L	1	6053244	05/16/06	05/16/06	SW846 8260B	
Ethylbenzene	**5.78**	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Xylenes, total	**6.29**	0.500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*70-130*		"	"	"	"	
Surrogate: Dibromofluoromethane		*87 %*	*79-122*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*78-121*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*78-126*		"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.500	"	"	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Tertiary Butyl Alcohol	ND	10.0	"	"	"	"	"	"	
SB20 (MPE0195-06) Water Sampled: 05/02/06 10:55 Received: 05/03/06 19:15									
Benzene	**3240**	25.0	ug/L	50	6053244	05/16/06	05/16/06	SW846 8260B	
Ethylbenzene	**3670**	25.0	"	"	"	"	"	"	
Toluene	**53.2**	0.500	"	1	"	"	05/16/06	"	
Xylenes, total	**4170**	25.0	"	50	"	"	05/16/06	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*70-130*		"	"	*05/16/06*	"	
Surrogate: Dibromofluoromethane		*86 %*	*79-122*		"	"	"	"	
Surrogate: Toluene-d8		*111 %*	*78-121*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*	*78-126*		"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.500	"	"	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Diisopropyl Ether	ND	0.500	"	"	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.500	"	"	"	"	"	"	
Tertiary Butyl Alcohol	ND	10.0	"	"	"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB21 (MPE0195-07RE1) Water Sampled: 05/02/06 13:30 Received: 05/03/06 19:15									
Benzene	ND	0 500	ug/L	1	6053384	05/16/06	05/16/06	SW846 8260B	
Ethylbenzene	ND	0 500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Xylenes, total	ND	0.500	"	"	"	"	"	"	
Surrogate 1.2-Dichloroethane-d4		*100 %*	*70-130*		"	"	"	"	
Surrogate Dibromofluoromethane		*108 %*	*79-122*		"	"	"	"	
Surrogate Toluene-d8		*103 %*	*78-121*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*101 %*	*78-126*		"	"	"	"	
Tert-Amyl Methyl Ether	ND	0 500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0 500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0 500	"	"	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0 500	"	"	"	"	"	"	
Diisopropyl Ether	ND	0 500	"	"	"	"	"	"	
Methyl tert-Butyl Ether	**83.3**	0 500	"	"	"	"	"	"	
Tertiary Butyl Alcohol	ND	10 0	"	"	"	"	"	"	
SB18 (MPE0195-08) Water Sampled: 05/03/06 09:30 Received: 05/03/06 19:15									
Benzene	ND	25 0	ug/L	50	6053244	05/16/06	05/16/06	SW846 8260B	RL1
Ethylbenzene	**159**	25 0	"	"	"	"	"	"	
Toluene	ND	25.0	"	"	"	"	"	"	RL1
Xylenes, total	ND	25.0	"	"	"	"	"	"	RL1
Surrogate 1.2-Dichloroethane-d4		*88 %*	*70-130*		"	"	"	"	
Surrogate Dibromofluoromethane		*91 %*	*79-122*		"	"	"	"	
Surrogate Toluene-d8		*109 %*	*78-121*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*116 %*	*78-126*		"	"	"	"	
Tert-Amyl Methyl Ether	ND	25 0	"	50	"	"	"	"	RL1
1,2-Dibromoethane (EDB)	ND	25 0	"	"	"	"	"	"	RL1
1,2-Dichloroethane	ND	25 0	"	"	"	"	"	"	RL1
Ethyl tert-Butyl Ether	ND	25 0	"	"	"	"	"	"	RL1
Diisopropyl Ether	ND	25 0	"	"	"	"	"	"	RL1
Methyl tert-Butyl Ether	ND	25 0	"	"	"	"	"	"	RL1
Tertiary Butyl Alcohol	ND	500	"	"	"	"	"	"	RL1

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Purgeable Petroleum Hydrocarbons

TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14 (MPE0195-01) Water Sampled: 05/02/06 09:50 Received: 05/03/06 19:15									
GRO as Gasoline	**2340**	50.0	ug/L	1	6052623	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*63-134*		"	"	"	"	
SB15 (MPE0195-02) Water Sampled: 05/02/06 11:45 Received: 05/03/06 19:15									
GRO as Gasoline	**831**	50.0	ug/L	1	6052623	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*63-134*		"	"	"	"	
SB16 (MPE0195-03RE1) Water Sampled: 05/02/06 13:10 Received: 05/03/06 19:15									
GRO as Gasoline	**5940**	250	ug/L	5	6052711	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*63-134*		"	"	"	"	
SB17 (MPE0195-04) Water Sampled: 05/02/06 09:30 Received: 05/03/06 19:15									
GRO as Gasoline	**60800**	2500	ug/L	50	6052623	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*63-134*		"	"	"	"	
SB19 (MPE0195-05) Water Sampled: 05/02/06 16:30 Received: 05/03/06 19:15									
GRO as Gasoline	**3100**	50.0	ug/L	1	6052623	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*63-134*		"	"	"	"	
SB20 (MPE0195-06RE1) Water Sampled: 05/02/06 10:55 Received: 05/03/06 19:15									
GRO as Gasoline	**41800**	1250	ug/L	25	6052711	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*63-134*		"	"	"	"	
SB21 (MPE0195-07) Water Sampled: 05/02/06 13:30 Received: 05/03/06 19:15									
GRO as Gasoline	**1390**	50.0	ug/L	1	6052623	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*63-134*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Purgeable Petroleum Hydrocarbons

TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB18 (MPE0195-08) Water Sampled: 05/03/06 09:30 Received: 05/03/06 19:15									
GRO as Gasoline	**10100**	2500	ug/L	50	6052623	05/12/06	05/13/06	SW846 8015B	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*63-134*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Extractable Hydrocarbons by EPA 8015B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E09047 - EPA 3510C										
Blank (6E09047-BLK1)				Prepared: 05/09/06 Analyzed: 05/17/06						
Diesel Range Organics (C10-C28)	40 1	25	ug/l							
Surrogate n-Octacosane	*38 3*		"	*50 0*		*77*	*30-115*			
LCS (6E09047-BS1)				Prepared: 05/09/06 Analyzed: 05/17/06						
Diesel Range Organics (C10-C28)	239	50	ug/l	500		48	40-140			
Surrogate n-Octacosane	*34 2*		"	*50 0*		*68*	*30-115*			
LCS Dup (6E09047-BSD1)				Prepared: 05/09/06 Analyzed: 05/17/06						
Diesel Range Organics (C10-C28)	310	50	ug/l	500		62	40-140	26	35	
Surrogate n-Octacosane	*37 9*		"	*50 0*		*76*	*30-115*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6053244 - EPA 5030B										
Blank (6053244-BLK1)				Prepared & Analyzed: 05/16/06						
Tert-Amyl Methyl Ether	ND	0 25	ug/L							
1,2-Dibromoethane (EDB)	ND	0 250	"							
Benzene	ND	0 25	"							
Ethylbenzene	ND	0 25	"							
1,2-Dichloroethane	ND	0 390	"							
Toluene	ND	0 25	"							
Ethyl tert-Butyl Ether	ND	0 25	"							
Diisopropyl Ether	ND	0 25	"							
Methyl tert-Butyl Ether	ND	0 25	"							
Xylenes, total	ND	0 350	"							
Tertiary Butyl Alcohol	ND	5 06	"							
Surrogate 1,2-Dichloroethane-d4	*47 8*		"	*50 0*		*96*	*70-130*			
Surrogate 1,2-Dichloroethane-d4	*47 8*		"	*50 0*		*96*	*70-130*			
Surrogate Dibromofluoromethane	*47 5*		"	*50 0*		*95*	*79-122*			
Surrogate Dibromofluoromethane	*47 5*		"	*50 0*		*95*	*79-122*			
Surrogate Toluene-d8	*53 6*		"	*50 0*		*107*	*78-121*			
Surrogate Toluene-d8	*53 6*		"	*50 0*		*107*	*78-121*			
Surrogate 4-Bromofluorobenzene	*62 8*		"	*50 0*		*126*	*78-126*			
Surrogate 4-Bromofluorobenzene	*62 8*		"	*50 0*		*126*	*78-126*			
LCS (6053244-BS1)				Prepared & Analyzed: 05/16/06						
Tert-Amyl Methyl Ether	44 7		ug/L	50 0		89	56-145			
Benzene	50 1		"	50 0		100	79-123			
1,2-Dibromoethane (EDB)	47 2		"	50 0		94	75-128			
Ethylbenzene	46 7		"	50 0		93	79-125			
1,2-Dichloroethane	41 0		"	50 0		82	74-131			
Toluene	44 5		"	50 0		89	78-122			
Ethyl tert-Butyl Ether	49 7		"	50 0		99	64-141			
Diisopropyl Ether	51 8		"	50 0		104	73-135			
Methyl tert-Butyl Ether	43 3		"	50 0		87	66-142			
Xylenes, total	134		"	150		89	79-130			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6053244 - EPA 5030B										
LCS (6053244-BS1)				Prepared & Analyzed: 05/16/06						
Tertiary Butyl Alcohol	412		ug/L	500		82	42-154			
Surrogate 1,2-Dichloroethane-d4	*46 8*		"	*50 0*		*94*	*70-130*			
Surrogate 1,2-Dichloroethane-d4	*46 8*		"	*50 0*		*94*	*70-130*			
Surrogate Dibromofluoromethane	*47 3*		"	*50 0*		*95*	*79-122*			
Surrogate Dibromofluoromethane	*47 3*		"	*50 0*		*95*	*79-122*			
Surrogate Toluene-d8	*52 4*		"	*50 0*		*105*	*78-121*			
Surrogate Toluene-d8	*52 4*		"	*50 0*		*105*	*78-121*			
Surrogate 4-Bromofluorobenzene	*54 8*		"	*50 0*		*110*	*78-126*			
Surrogate 4-Bromofluorobenzene	*54 8*		"	*50 0*		*110*	*78-126*			
Matrix Spike (6053244-MS1)		**Source: MPE0195-01**		Prepared & Analyzed: 05/16/06						
Tert-Amyl Methyl Ether	49 5		ug/L	50 0	ND	99	45-155			
1,2-Dibromoethane (EDB)	50 1		"	50 0	ND	100	71-138			
Benzene	59 6		"	50 0	1 89	115	71-137			
Ethylbenzene	155		"	50 0	102	106	72-139			
1,2-Dichloroethane	45 1		"	50 0	ND	90	70-140			
Toluene	51 0		"	50 0	0 480	101	73-133			
Ethyl tert-Butyl Ether	57 1		"	50 0	ND	114	57-148			
Diisopropyl Ether	60 0		"	50 0	ND	120	67-143			
Methyl tert-Butyl Ether	50 4		"	50 0	ND	101	55-152			
Xylenes, total	149		"	150	5 56	96	70-143			
Tertiary Butyl Alcohol	575		"	500	ND	115	19-183			
Surrogate 1,2-Dichloroethane-d4	*48 8*		"	*50 0*		*98*	*70-130*			
Surrogate 1,2-Dichloroethane-d4	*48 8*		"	*50 0*		*98*	*70-130*			
Surrogate Dibromofluoromethane	*47 0*		"	*50 0*		*94*	*79-122*			
Surrogate Dibromofluoromethane	*47 0*		"	*50 0*		*94*	*79-122*			
Surrogate Toluene-d8	*51 6*		"	*50 0*		*103*	*78-121*			
Surrogate Toluene-d8	*51 6*		"	*50 0*		*103*	*78-121*			
Surrogate 4-Bromofluorobenzene	*55 6*		"	*50 0*		*111*	*78-126*			
Surrogate 4-Bromofluorobenzene	*55 6*		"	*50 0*		*111*	*78-126*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6053244 - EPA 5030B										
Matrix Spike Dup (6053244-MSD1)	**Source: MPE0195-01**		Prepared & Analyzed: 05/16/06							
Tert-Amyl Methyl Ether	50 3		ug/L	50 0	ND	101	45-155	2	24	
1,2-Dibromoethane (EDB)	50 3		"	50 0	ND	101	71-138	0 4	27	
Benzene	57 5		"	50 0	1 89	111	71-137	4	23	
Ethylbenzene	139		"	50 0	102	74	72-139	11	23	
1,2-Dichloroethane	43 2		"	50 0	ND	86	70-140	4	21	
Toluene	49 4		"	50 0	0 480	98	73-133	3	25	
Ethyl tert-Butyl Ether	59 3		"	50 0	ND	119	57-148	4	22	
Diisopropyl Ether	60 8		"	50 0	ND	122	67-143	1	22	
Xylenes, total	143		"	150	5 56	92	70-143	4	27	
Methyl tert-Butyl Ether	52 1		"	50 0	ND	104	55-152	3	27	
Tertiary Butyl Alcohol	601		"	500	ND	120	19-183	4	39	
Surrogate 1,2-Dichloroethane-d4	*47 2*		"	*50 0*		*94*	*70-130*			
Surrogate 1,2-Dichloroethane-d4	*47 2*		"	*50 0*		*94*	*70-130*			
Surrogate Dibromofluoromethane	*46 5*		"	*50 0*		*93*	*79-122*			
Surrogate Dibromofluoromethane	*46 5*		"	*50 0*		*93*	*79-122*			
Surrogate Toluene-d8	*52 1*		"	*50 0*		*104*	*78-121*			
Surrogate Toluene-d8	*52 1*		"	*50 0*		*104*	*78-121*			
Surrogate 4-Bromofluorobenzene	*57 1*		"	*50 0*		*114*	*78-126*			
Surrogate 4-Bromofluorobenzene	*57 1*		"	*50 0*		*114*	*78-126*			
Batch 6053384 - EPA 5030B										
Blank (6053384-BLK1)			Prepared & Analyzed: 05/16/06							
Tert-Amyl Methyl Ether	ND	0 25	ug/L							
1,2-Dibromoethane (EDB)	ND	0 250	"							
Benzene	ND	0 25	"							
1,2-Dichloroethane	ND	0 390	"							
Ethylbenzene	ND	0 25	"							
Toluene	ND	0 25	"							
Ethyl tert-Butyl Ether	ND	0 25	"							
Diisopropyl Ether	ND	0 25	"							
Xylenes, total	ND	0 350	"							

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6053384 - EPA 5030B										
Blank (6053384-BLK1)				Prepared & Analyzed: 05/16/06						
Methyl tert-Butyl Ether	ND	0 25	ug/L							
Tertiary Butyl Alcohol	ND	5 06	"							
Surrogate 1.2-Dichloroethane-d4	*51 1*		"	*50 0*		*102*	*70-130*			
Surrogate 1.2-Dichloroethane-d4	*51 1*		"	*50 0*		*102*	*70-130*			
Surrogate Dibromofluoromethane	*55 0*		"	*50 0*		*110*	*79-122*			
Surrogate Dibromofluoromethane	*55 0*		"	*50 0*		*110*	*79-122*			
Surrogate Toluene-d8	*51 3*		"	*50 0*		*103*	*78-121*			
Surrogate Toluene-d8	*51 3*		"	*50 0*		*103*	*78-121*			
Surrogate 4-Bromofluorobenzene	*50 0*		"	*50 0*		*100*	*78-126*			
Surrogate 4-Bromofluorobenzene	*50 0*		"	*50 0*		*100*	*78-126*			
LCS (6053384-BS1)				Prepared & Analyzed: 05/16/06						
Tert-Amyl Methyl Ether	50 6		ug/L	50 0		101	56-145			
Benzene	52 6		"	50 0		105	79-123			
1,2-Dibromoethane (EDB)	41 7		"	50 0		83	75-128			
Ethylbenzene	46 1		"	50 0		92	79-125			
1,2-Dichloroethane	51 0		"	50 0		102	74-131			
Toluene	49 3		"	50 0		99	78-122			
Ethyl tert-Butyl Ether	50 5		"	50 0		101	64-141			
Diisopropyl Ether	52 3		"	50 0		105	73-135			
Methyl tert-Butyl Ether	49 8		"	50 0		100	66-142			
Xylenes, total	138		"	150		92	79-130			
Tertiary Butyl Alcohol	417		"	500		83	42-154			
Surrogate 1.2-Dichloroethane-d4	*48 8*		"	*50 0*		*98*	*70-130*			
Surrogate 1.2-Dichloroethane-d4	*48 8*		"	*50 0*		*98*	*70-130*			
Surrogate Dibromofluoromethane	*54 4*		"	*50 0*		*109*	*79-122*			
Surrogate Dibromofluoromethane	*54 4*		"	*50 0*		*109*	*79-122*			
Surrogate Toluene-d8	*54 1*		"	*50 0*		*108*	*78-121*			
Surrogate Toluene-d8	*54 1*		"	*50 0*		*108*	*78-121*			
Surrogate 4-Bromofluorobenzene	*50 0*		"	*50 0*		*100*	*78-126*			
Surrogate 4-Bromofluorobenzene	*50 0*		"	*50 0*		*100*	*78-126*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6053393 - EPA 5030B										
Blank (6053393-BLK1)				Prepared & Analyzed: 05/17/06						
Tert-Amyl Methyl Ether	ND	0 25	ug/L							
Benzene	ND	0 25	"							
1,2-Dibromoethane (EDB)	ND	0 250	"							
Ethylbenzene	ND	0 25	"							
1,2-Dichloroethane	ND	0 390	"							
Toluene	ND	0 25	"							
Ethyl tert-Butyl Ether	ND	0 25	"							
Diisopropyl Ether	ND	0 25	"							
Xylenes, total	ND	0 350	"							
Methyl tert-Butyl Ether	ND	0 25	"							
Tertiary Butyl Alcohol	ND	5 06	"							
Surrogate 1,2-Dichloroethane-d4	*55 2*		"	*50 0*		*110*	*70-130*			
Surrogate 1,2-Dichloroethane-d4	*55 2*		"	*50 0*		*110*	*70-130*			
Surrogate Dibromofluoromethane	*50 7*		"	*50 0*		*101*	*79-122*			
Surrogate Dibromofluoromethane	*50 7*		"	*50 0*		*101*	*79-122*			
Surrogate Toluene-d8	*54 2*		"	*50 0*		*108*	*78-121*			
Surrogate Toluene-d8	*54 2*		"	*50 0*		*108*	*78-121*			
Surrogate 4-Bromofluorobenzene	*60 6*		"	*50 0*		*121*	*78-126*			
Surrogate 4-Bromofluorobenzene	*60 6*		"	*50 0*		*121*	*78-126*			
LCS (6053393-BS1)				Prepared & Analyzed: 05/17/06						
Tert-Amyl Methyl Ether	49 5		ug/L	50 0		99	56-145			
Benzene	56 1		"	50 0		112	79-123			
1,2-Dibromoethane (EDB)	51 8		"	50 0		104	75-128			
Ethylbenzene	53 7		"	50 0		107	79-125			
1,2-Dichloroethane	52 2		"	50 0		104	74-131			
Toluene	50 3		"	50 0		101	78-122			
Ethyl tert-Butyl Ether	56 4		"	50 0		113	64-141			
Diisopropyl Ether	58 8		"	50 0		118	73-135			
Methyl tert-Butyl Ether	51 1		"	50 0		102	66-142			
Xylenes, total	155		"	150		103	79-130			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6053393 - EPA 5030B										
LCS (6053393-BS1)				Prepared & Analyzed: 05/17/06						
Tertiary Butyl Alcohol	466		ug/L	500		93	42-154			
Surrogate 1,2-Dichloroethane-d4	*53 2*		"	*50 0*		*106*	*70-130*			
Surrogate 1,2-Dichloroethane-d4	*53 2*		"	*50 0*		*106*	*70-130*			
Surrogate Dibromofluoromethane	*49 4*		"	*50 0*		*99*	*79-122*			
Surrogate Dibromofluoromethane	*49 4*		"	*50 0*		*99*	*79-122*			
Surrogate Toluene-d8	*52 0*		"	*50 0*		*104*	*78-121*			
Surrogate Toluene-d8	*52 0*		"	*50 0*		*104*	*78-121*			
Surrogate 4-Bromofluorobenzene	*55 6*		"	*50 0*		*111*	*78-126*			
Surrogate 4-Bromofluorobenzene	*55 6*		"	*50 0*		*111*	*78-126*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Purgeable Petroleum Hydrocarbons - Quality Control

TestAmerica Analytical - Nashville

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6052623 - EPA 5030B (GC)										
Blank (6052623-BLK1)				Prepared & Analyzed: 05/12/06						
GRO as Gasoline	ND	39 0	ug/L							
Surrogate a.a.a-Trifluorotoluene	*30 5*		"	*30 0*		*102*	*63-134*			
LCS (6052623-BS2)				Prepared: 05/12/06 Analyzed: 05/13/06						
GRO as Gasoline	998		ug/L	1000		100	68-128			MNR1
Surrogate a.a.a-Trifluorotoluene	*32 4*		"	*30 0*		*108*	*63-134*			
Batch 6052711 - EPA 5030B (GC)										
Blank (6052711-BLK1)				Prepared: 05/12/06 Analyzed: 05/13/06						
GRO as Gasoline	ND	39 0	ug/L							
Surrogate a.a.a-Trifluorotoluene	*30 6*		"	*30 0*		*102*	*63-134*			
LCS (6052711-BS2)				Prepared: 05/12/06 Analyzed: 05/13/06						
GRO as Gasoline	1060		ug/L	1000		106	68-128			MNR1
Surrogate a.a.a-Trifluorotoluene	*31 9*		"	*30 0*		*106*	*63-134*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0195
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/24/06 07:43

Notes and Definitions

RL-1	Reporting limit raised due to sample matrix effects
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike
HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica INCORPORATED

Morgan Hill Division
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Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING | TA Account #: 10236
Address: 2285 MORELLO AVENUE | Invoice To: (ExxonMobil PM unless otherwise indicate)
City/State/Zip: PLEASANT HILL, CA. 94523 | Report To: eticlabreports@eticeng.com
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK | PO #: 4506877068
Consultant Project Mgr: SHERRIS PRALL | Project #: TM4121 TASK 3 | Facility ID # 7-4121
Consultant Telephone Number: (925) 602-4710 EXT. 20 | Fax No.: (925) 602-4720 | Site Address 10605 FOOTHILL BOULEVARD
Sampler Name: (Print) TRACY JOB | City, State, Zip OAKLAND, CA
Sampler Signature: | Regulatory District (CA) ACHCSA

MPE0195

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Porosity ASTM D854	Moisture ASTM D2216	HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
SB14 - 01	5/2/06	0950	7												X						X	X	X					10		
SB15 02		1145	7												X						X	X	X							
SB16 03		1310	7												X						X	X	X							
SB17 04		0930	7												X						X	X	X							
SB19 05		1630	7												X						X	X	X							
SB20 06		1055	7												X						X	X	X							
SB21 07		1330	7												X						X	X	X							
SB18 08	5/3/06	0900	7												X						X	X	X							

Special Instructions:

GLOBAL ID# T0600120383

EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC

Laboratory Comments:
Temperature Upon Receipt: 5.4
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N N/A

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - If yes, please a pre-schedule w/ TestAmerica Project Manager or attach specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	5/3/06	1450		5/3/06	1450
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	5/3/06	1915		5/3/06	1915

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: _____
REC. BY (PRINT): C.B.
WORKORDER: MPE0195

DATE REC'D AT LAB: 5-3-04
TIME REC'D AT LAB: 1915
DATE LOGGED IN: 5/5/04

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent / Intact / Broken*									1 amber 6 HCl
2. Chain-of-Custody Present / Absent*									
3. Traffic Reports or Packing List: Present / Absent									
4. Airbill: Airbill / Sticker Present / Absent									
5. Airbill #:									
6. Sample Labels: Present / Absent									
7. Sample IDs: Listed / Not Listed on Chain-of-Custody									
8. Sample Condition: Intact / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Read Temp: 5.6 C Corrected Temp: 5.1 C Is corrected temp 4 +/-2°C? Yes / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

5-3-04 1615 pH<2 pH

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 7
Replaces Rev 5 (07/13/04)
Effective 07/19/05

Sequoia Analytical

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25 May, 2006

Sherris Prall
ETIC Engineering Inc - Pleasant Hill (Exxon)
2285 Morello Avenue
Pleasant Hill, CA 94523

RE: Exxon 7-4121
Work Order: MPE0188

Enclosed are the results of analyses for samples received by the laboratory on 05/03/06 19:15. The samples arrived at a temperature of 6° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB16, 5-5 5'	MPE0188-01	Soil	05/02/06 12:20	05/03/06 19:15
SB16, 10-10 5'	MPE0188-02	Soil	05/02/06 12:30	05/03/06 19:15
SB16, 20-20 5'	MPE0188-03	Soil	05/02/06 12:50	05/03/06 19:15
SB16, 24 5-25'	MPE0188-04	Soil	05/02/06 12:55	05/03/06 19:15
SB17, 5 5-6'	MPE0188-05	Soil	05/02/06 08:55	05/03/06 19:15
SB17, 10-10 5'	MPE0188-06	Soil	05/02/06 09:00	05/03/06 19:15
SB17, 15-15 5'	MPE0188-07	Soil	05/02/06 09:05	05/03/06 19:15
SB17, 19 5-20'	MPE0188-08	Soil	05/02/06 09:15	05/03/06 19:15
SB17, 24 5-25'	MPE0188-09	Soil	05/02/06 09:30	05/03/06 19:15
SB16, 15-15 5'	MPE0188-10	Soil	05/02/06 12:40	05/03/06 19:15
SB19, 5-5 5'	MPE0188-11	Soil	05/02/06 15:05	05/03/06 19:15
SB19, 10-10 5'	MPE0188-12	Soil	05/02/06 15:20	05/03/06 19:15
SB19, 15-15 5	MPE0188-13	Soil	05/02/06 15:40	05/03/06 19:15
SB19, 20-20 5	MPE0188-14	Soil	05/02/06 15:50	05/03/06 19:15
SB19, 24 5-25'	MPE0188-15	Soil	05/02/06 16:15	05/03/06 19:15
SB20, 5 5-6'	MPE0188-16	Soil	05/02/06 10:20	05/03/06 19:15
SB20, 10-10 5'	MPE0188-17	Soil	05/02/06 10:25	05/03/06 19:15
SB20, 15-15 5	MPE0188-18	Soil	05/02/06 10:40	05/03/06 19:15
SB20, 19 5-20'	MPE0188-19	Soil	05/02/06 10:45	05/03/06 19:15
SB20, 23 5-24'	MPE0188-20	Soil	05/02/06 10:50	05/03/06 19:15
SB21, 8-8 5'	MPE0188-21	Soil	05/02/06 12:45	05/03/06 19:15
SB21, 13-13 5'	MPE0188-22	Soil	05/02/06 12:55	05/03/06 19:15
SB21, 18-18 5'	MPE0188-23	Soil	05/02/06 13:00	05/03/06 19:15
SB21, 19 5-20'	MPE0188-24	Soil	05/02/06 13:10	05/03/06 19:15
SB21, 23-23 5'	MPE0188-25	Soil	05/02/06 13:13	05/03/06 19:15
SB21, 24 5-25'	MPE0188-26	Soil	05/02/06 13:30	05/03/06 19:15
SB18, 5-5 5'	MPE0188-27	Soil	05/03/06 08:05	05/03/06 19:15
SB18, 10-10 5'	MPE0188-28	Soil	05/03/06 08:10	05/03/06 19:15
SB18, 15-15 5'	MPE0188-29	Soil	05/03/06 08:15	05/03/06 19:15

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB18, 19.5-20'	MPE0188-30	Soil	05/03/06 08:25	05/03/06 19:15
SB18, 24 5-25'	MPE0188-31	Soil	05/03/06 08:40	05/03/06 19:15
V3, 9 5-10'	MPE0188-32	Soil	05/03/06 09:45	05/03/06 19:15
V5, 5-5.5'	MPE0188-33	Soil	05/03/06 10:05	05/03/06 19:15
V5, 7 5-8'	MPE0188-34	Soil	05/03/06 10:10	05/03/06 19:15
V4, 5-5 5'	MPE0188-35	Soil	05/03/06 10:50	05/03/06 19:15
V4,7 5-8'	MPE0188-36	Soil	05/03/06 10:45	05/03/06 19:15
V8, 5-5 5'	MPE0188-37	Soil	05/03/06 10:40	05/03/06 19:15
V8, 7 5-8'	MPE0188-38	Soil	05/03/06 10:35	05/03/06 19:15
SB21, 2 5-3'	MPE0188-39	Soil	05/02/06 11:30	05/03/06 19:15
SB14, 5-5 5'	MPE0188-40	Soil	05/02/06 09:00	05/03/06 19:15
SB14, 10-10.5'	MPE0188-41	Soil	05/02/06 09:05	05/03/06 19:15
SB14, 15-15.5'	MPE0188-42	Soil	05/02/06 09:15	05/03/06 19:15
SB14, 20-20.5'	MPE0188-43	Soil	05/02/06 09:20	05/03/06 19:15
SB14, 24 5-25'	MPE0188-44	Soil	05/02/06 09:25	05/03/06 19:15
SB15, 5-5 5'	MPE0188-45	Soil	05/02/06 10:25	05/03/06 19:15
SB15, 15-15.5'	MPE0188-46	Soil	05/02/06 11:20	05/03/06 19:15
SB15, 20-20.5'	MPE0188-47	Soil	05/02/06 11:25	05/03/06 19:15
SB15, 24.5-25'	MPE0188-48	Soil	05/02/06 11:30	05/03/06 19:15

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16, 5-5.5' (MPE0188-01) Soil Sampled: 05/02/06 12:20 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E11001	05/11/06	05/11/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*45-135*		"	"	"	"	
SB16, 10-10.5' (MPE0188-02) Soil Sampled: 05/02/06 12:30 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E11001	05/11/06	05/11/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*45-135*		"	"	"	"	
SB16, 20-20.5' (MPE0188-03) Soil Sampled: 05/02/06 12:50 Received: 05/03/06 19:15									
Benzene	**120**	5.0	ug/kg	5	6E11001	05/11/06	05/12/06	EPA 8015B/8021B	CF1
Toluene	**52**	5.0	"	"	"	"	"	"	CF1
Ethylbenzene	**43**	5.0	"	"	"	"	"	"	
Xylenes (total)	**60**	5.0	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*75-120*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**14**	5.0	mg/kg	"	6E15008	05/15/06	05/15/06	"	
Surrogate: 4-Bromofluorobenzene		*134 %*	*45-135*		"	"	"	"	

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16, 24.5-25' (MPE0188-04RE1) Soil Sampled: 05/02/06 12:55 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**1.8**	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*110 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*62 %*	*45-135*		"	"	"	"	
SB17, 5.5-6' (MPE0188-05) Soil Sampled: 05/02/06 08:55 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E11001	05/11/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*101 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*94 %*	*45-135*		"	"	"	"	
SB17, 10-10.5' (MPE0188-06) Soil Sampled: 05/02/06 09:00 Received: 05/03/06 19:15									
Benzene	ND	10	ug/kg	10	6E16003	05/16/06	05/16/06	EPA 8015B/8021B	
Toluene	**30**	10	"	"	"	"	"	"	
Ethylbenzene	**310**	10	"	"	"	"	"	"	CF1
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*44 %*	*75-120*		"	"	"	"	*S05*
Gasoline Range Organics (C4-C12)	**38**	5.0	mg/kg	"	6E15008	05/15/06	05/15/06	"	
Surrogate 4-Bromofluorobenzene		*122 %*	*45-135*		"	"	"	"	

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB17, 15-15.5' (MPE0188-07) Soil Sampled: 05/02/06 09:05 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**700**	100	ug/kg	1	6E16003	05/16/06	05/16/06	EPA 8015B/8021B	
Benzene	**18**	1.0	"	"	"	"	"	"	
Toluene	**2.8**	1.0	"	"	"	"	"	"	CF1
Ethylbenzene	**17**	1.0	"	"	"	"	"	"	
Xylenes (total)	**4.0**	1.0	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*176 %*	*45-135*		"	"	"	"	*S04*
SB17, 19.5-20' (MPE0188-08) Soil Sampled: 05/02/06 09:15 Received: 05/03/06 19:15									
Xylenes (total)	**31**	10	mg/kg	100	6E11022	05/11/06	05/11/06	EPA 8015B/8021B	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*75-120*		"	"	"	"	
SB17, 19.5-20' (MPE0188-08RE1) Soil Sampled: 05/02/06 09:15 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**320**	50	mg/kg	10	6E11022	05/11/06	05/15/06	EPA 8015B/8021B	
Benzene	**3.2**	1.0	"	"	"	"	"	"	CF1
Toluene	**2.0**	1.0	"	"	"	"	"	"	CF1
Ethylbenzene	**8.8**	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*45-135*		"	"	"	"	
SB17, 24.5-25' (MPE0188-09) Soil Sampled: 05/02/06 09:30 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	**1.1**	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*45-135*		"	"	"	"	

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16, 15-15.5' (MPE0188-10) Soil Sampled: 05/02/06 12:40 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*45-135*		"	"	"	"	
SB19, 5-5.5' (MPE0188-11) Soil Sampled: 05/02/06 15:05 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*45-135*		"	"	"	"	
SB19, 10-10.5' (MPE0188-12) Soil Sampled: 05/02/06 15:20 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**230**	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	**1.5**	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*45-135*		"	"	"	"	

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB19, 15-15.5 (MPE0188-13) Soil Sampled: 05/02/06 15:40 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a.a.a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*45-135*		"	"	"	"	
SB19, 20-20.5 (MPE0188-14) Soil Sampled: 05/02/06 15:50 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**19**	5.0	mg/kg	1	6E11022	05/11/06	05/15/06	EPA 8015B/8021B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.15**	0.10	"	"	"	"	"	"	
Surrogate: a.a.a-Trifluorotoluene		*100 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*128 %*	*45-135*		"	"	"	"	
SB19, 24.5-25' (MPE0188-15) Soil Sampled: 05/02/06 16:15 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a.a.a-Trifluorotoluene		*96 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*45-135*		"	"	"	"	

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB20, 5.5-6' (MPE0188-16) Soil Sampled: 05/02/06 10:20 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1 0	"	"	"	"	"	"	
Toluene	ND	1 0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*100 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*82 %*	*45-135*		"	"	"	"	
SB20, 10-10.5' (MPE0188-17) Soil Sampled: 05/02/06 10:25 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**76**	5.0	mg/kg	1	6E11022	05/11/06	05/15/06	EPA 8015B/8021B	
Benzene	**0.58**	0 10	"	"	"	"	"	"	CF1
Toluene	**0.60**	0 10	"	"	"	"	"	"	CF1
Ethylbenzene	**0.80**	0 10	"	"	"	"	"	"	
Xylenes (total)	**0.72**	0.10	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*114 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*145 %*	*45-135*		"	"	"	"	*S04*
SB20, 15-15.5 (MPE0188-18) Soil Sampled: 05/02/06 10:40 Received: 05/03/06 19:15									
Benzene	**26**	1 0	mg/kg	10	6E15008	05/15/06	05/15/06	EPA 8015B/8021B	CF1
Toluene	**39**	1.0	"	"	"	"	"	"	CF1
Surrogate a,a,a-Trifluorotoluene		*125 %*	*75-120*		"	"	"	"	*S04*
SB20, 15-15.5 (MPE0188-18RE1) Soil Sampled: 05/02/06 10:40 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**1300**	500	mg/kg	100	6E15008	05/15/06	05/16/06	EPA 8015B/8021B	
Ethylbenzene	**24**	10	"	"	"	"	"	"	
Xylenes (total)	**12**	10	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*94 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*105 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB20, 19.5-20' (MPE0188-19) Soil Sampled: 05/02/06 10:45 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**2700**	200	mg/kg	40	6E15008	05/15/06	05/16/06	EPA 8015B/8021B	
Benzene	**20**	4.0	"	"	"	"	"	"	CF1
Toluene	**18**	4.0	"	"	"	"	"	"	CF1
Ethylbenzene	**66**	4.0	"	"	"	"	"	"	
Xylenes (total)	**280**	4.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*45-135*		"	"	"	"	
SB20, 23.5-24' (MPE0188-20) Soil Sampled: 05/02/06 10:50 Received: 05/03/06 19:15									
Ethylbenzene	**23**	10	ug/kg	10	6E16003	05/16/06	05/16/06	EPA 8015B/8021B	
Surrogate: a,a,a-Trifluorotoluene		*98 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*45-135*		"	"	"	"	
SB20, 23.5-24' (MPE0188-20RE1) Soil Sampled: 05/02/06 10:50 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**610**	100	ug/kg	1	6E16003	05/16/06	05/16/06	EPA 8015B/8021B	
Benzene	**13**	1.0	"	"	"	"	"	"	
Toluene	**4.7**	1.0	"	"	"	"	"	"	CF1
Xylenes (total)	**8.2**	1.0	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*75-120*		"	"	"	"	
SB21, 8-8.5' (MPE0188-21) Soil Sampled: 05/02/06 12:45 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/12/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB21, 13-13.5' (MPE0188-22) Soil Sampled: 05/02/06 12:55 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*45-135*		"	"	"	"	
SB21, 18-18.5' (MPE0188-23) Soil Sampled: 05/02/06 13:00 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*79 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*45-135*		"	"	"	"	
SB21, 19.5-20' (MPE0188-24) Soil Sampled: 05/02/06 13:10 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	1000	ug/kg	10	6E16003	05/16/06	05/16/06	EPA 8015B/8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*45-135*		"	"	"	"	
SB21, 19.5-20' (MPE0188-24RE1) Soil Sampled: 05/02/06 13:10 Received: 05/03/06 19:15									
Benzene	ND	1.0	ug/kg	1	6E16003	05/16/06	05/16/06	EPA 8015B/8021B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	**14**	1.0	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*93 %*	*75-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB21, 23-23.5' (MPE0188-25) Soil Sampled: 05/02/06 13:13 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*100 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*99 %*	*45-135*		"	"	"	"	
SB21, 24.5-25' (MPE0188-26) Soil Sampled: 05/02/06 13:30 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*101 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*92 %*	*45-135*		"	"	"	"	
SB18, 5-5.5' (MPE0188-27) Soil Sampled: 05/03/06 08:05 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*104 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*74 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB18, 10-10.5' (MPE0188-28) Soil Sampled: 05/03/06 08:10 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1 0	"	"	"	"	"	"	
Toluene	ND	1 0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*103 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*88 %*	*45-135*		"	"	"	"	
SB18, 15-15.5' (MPE0188-29) Soil Sampled: 05/03/06 08:15 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1 0	"	"	"	"	"	"	
Toluene	ND	1 0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*111 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*88 %*	*45-135*		"	"	"	"	
SB18, 19.5-20' (MPE0188-30) Soil Sampled: 05/03/06 08:25 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**29**	5 0	mg/kg	1	6E11022	05/11/06	05/15/06	EPA 8015B/8021B	
Benzene	ND	0 10	"	"	"	"	"	"	
Toluene	ND	0 10	"	"	"	"	"	"	
Ethylbenzene	ND	0 10	"	"	"	"	"	"	
Xylenes (total)	ND	0.10	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*99 %*	*75-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*122 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB18, 24.5-25' (MPE0188-31) Soil Sampled: 05/03/06 08:40 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98 %*		*75-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*		*45-135*	"	"	"	"	
V3, 9.5-10' (MPE0188-32) Soil Sampled: 05/03/06 09:45 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*		*75-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*		*45-135*	"	"	"	"	
V5, 5-5.5' (MPE0188-33) Soil Sampled: 05/03/06 10:05 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*		*75-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*		*45-135*	"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V5, 7.5-8' (MPE0188-34) Soil Sampled: 05/03/06 10:10 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**240**	100	ug/kg	1	6E12017	05/12/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*45-135*		"	"	"	"	
V4, 5-5.5' (MPE0188-35) Soil Sampled: 05/03/06 10:50 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*45-135*		"	"	"	"	
V4,7.5-8' (MPE0188-36) Soil Sampled: 05/03/06 10:45 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V8, 5-5.5' (MPE0188-37) Soil Sampled: 05/03/06 10:40 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*45-135*		"	"	"	"	
V8, 7.5-8' (MPE0188-38) Soil Sampled: 05/03/06 10:35 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*45-135*		"	"	"	"	
SB14, 5-5.5' (MPE0188-40) Soil Sampled: 05/02/06 09:00 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14, 10-10.5' (MPE0188-41) Soil Sampled: 05/02/06 09:05 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/14/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*45-135*		"	"	"	"	
SB14, 15-15.5' (MPE0188-42) Soil Sampled: 05/02/06 09:15 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/14/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*45-135*		"	"	"	"	
SB14, 20-20.5' (MPE0188-43) Soil Sampled: 05/02/06 09:20 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	**1300**	1000	ug/kg	10	6E13007	05/13/06	05/14/06	EPA 8015B/8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*45-135*		"	"	"	"	
SB14, 20-20.5' (MPE0188-43RE1) Soil Sampled: 05/02/06 09:20 Received: 05/03/06 19:15									
Benzene	ND	1.0	ug/kg	1	6E15010	05/15/06	05/15/06	EPA 8015B/8021B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	**8.8**	1.0	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14, 24.5-25' (MPE0188-44) Soil Sampled: 05/02/06 09:25 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/14/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*		*75-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*		*45-135*		"	"	"	
SB15, 5-5.5' (MPE0188-45) Soil Sampled: 05/02/06 10:25 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/13/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*		*75-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*		*45-135*		"	"	"	
SB15, 15-15.5' (MPE0188-46) Soil Sampled: 05/02/06 11:20 Received: 05/03/06 19:15									
Gasoline Range Organics (C4-C12)	ND	100	ug/kg	1	6E13007	05/13/06	05/14/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96 %*		*75-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*84 %*		*45-135*		"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB15, 20-20.5' (MPE0188-47) Soil	**Sampled: 05/02/06 11:25**	**Received: 05/03/06 19:15**							
Gasoline Range Organics (C4-C12)	**160**	100	ug/kg	1	6E15010	05/15/06	05/15/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**1.6**	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*114 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*45-135*		"	"	"	"	
SB15, 24.5-25' (MPE0188-48) Soil	**Sampled: 05/02/06 11:30**	**Received: 05/03/06 19:15**							
Gasoline Range Organics (C4-C12)	**270**	100	ug/kg	1	6E15010	05/15/06	05/15/06	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**6.9**	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*45-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16, 5-5.5' (MPE0188-01) Soil Sampled: 05/02/06 12:20 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**14**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*73 %*	*40-120*		"	"	"	"	
SB16, 10-10.5' (MPE0188-02) Soil Sampled: 05/02/06 12:30 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**5.2**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*63 %*	*40-120*		"	"	"	"	
SB16, 20-20.5' (MPE0188-03) Soil Sampled: 05/02/06 12:50 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**9.3**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*66 %*	*40-120*		"	"	"	"	
SB16, 24.5-25' (MPE0188-04) Soil Sampled: 05/02/06 12:55 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*52 %*	*40-120*		"	"	"	"	
SB17, 5.5-6' (MPE0188-05) Soil Sampled: 05/02/06 08:55 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**18**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*117 %*	*40-120*		"	"	"	"	
SB17, 10-10.5' (MPE0188-06) Soil Sampled: 05/02/06 09:00 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**260**	10	mg/kg	10	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*213 %*	*40-120*		"	"	"	"	*S04*
SB17, 15-15.5' (MPE0188-07) Soil Sampled: 05/02/06 09:05 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**3.5**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*63 %*	*40-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB17, 19.5-20' (MPE0188-08) Soil	**Sampled: 05/02/06 09:15**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**18**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*60 %*	*40-120*		"	"	"	"	
SB17, 24.5-25' (MPE0188-09) Soil	**Sampled: 05/02/06 09:30**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**1.1**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*60 %*	*40-120*		"	"	"	"	
SB16, 15-15.5' (MPE0188-10) Soil	**Sampled: 05/02/06 12:40**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**4.2**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*60 %*	*40-120*		"	"	"	"	
SB19, 5-5.5' (MPE0188-11) Soil	**Sampled: 05/02/06 15:05**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**1.4**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*46 %*	*40-120*		"	"	"	"	
SB19, 10-10.5' (MPE0188-12) Soil	**Sampled: 05/02/06 15:20**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**4.8**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*51 %*	*40-120*		"	"	"	"	
SB19, 15-15.5 (MPE0188-13) Soil	**Sampled: 05/02/06 15:40**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**1.2**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*51 %*	*40-120*		"	"	"	"	
SB19, 20-20.5 (MPE0188-14) Soil	**Sampled: 05/02/06 15:50**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**5.8**	1.0	mg/kg	1	6E12023	05/12/06	05/18/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*56 %*	*40-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB19, 24.5-25' (MPE0188-15) Soil Sampled: 05/02/06 16:15 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	1.7	1.0	mg/kg	1	6E12023	05/12/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*52 %*	*40-120*		"	"	"	"	
SB20, 5.5-6' (MPE0188-16) Soil Sampled: 05/02/06 10:20 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	14	1.0	mg/kg	1	6E12023	05/12/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*94 %*	*40-120*		"	"	"	"	
SB20, 10-10.5' (MPE0188-17) Soil Sampled: 05/02/06 10:25 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	98	3.0	mg/kg	3	6E12023	05/12/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*80 %*	*40-120*		"	"	"	"	
SB20, 15-15.5 (MPE0188-18) Soil Sampled: 05/02/06 10:40 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	270	20	mg/kg	20	6E12023	05/12/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*66 %*	*40-120*		"	"	"	"	
SB20, 19.5-20' (MPE0188-19) Soil Sampled: 05/02/06 10:45 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	250	20	mg/kg	20	6E12023	05/12/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*66 %*	*40-120*		"	"	"	"	
SB20, 23.5-24' (MPE0188-20) Soil Sampled: 05/02/06 10:50 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	7.0	1.0	mg/kg	1	6E12023	05/12/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*62 %*	*40-120*		"	"	"	"	
SB21, 8-8.5' (MPE0188-21) Soil Sampled: 05/02/06 12:45 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	1.4	1.0	mg/kg	1	6E15007	05/15/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*51 %*	*40-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB21, 13-13.5' (MPE0188-22) Soil	**Sampled: 05/02/06 12:55**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E15007	05/15/06	05/19/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*59 %*	*40-120*		"	"	"	"	
SB21, 18-18.5' (MPE0188-23) Soil	**Sampled: 05/02/06 13:00**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**1.7**	1.0	mg/kg	1	6E15007	05/15/06	05/19/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*66 %*	*40-120*		"	"	"	"	
SB21, 19.5-20' (MPE0188-24) Soil	**Sampled: 05/02/06 13:10**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	**2.4**	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*57 %*	*40-120*		"	"	"	"	
SB21, 23-23.5' (MPE0188-25) Soil	**Sampled: 05/02/06 13:13**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*57 %*	*40-120*		"	"	"	"	
SB21, 24.5-25' (MPE0188-26) Soil	**Sampled: 05/02/06 13:30**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*68 %*	*40-120*		"	"	"	"	
SB18, 5-5.5' (MPE0188-27) Soil	**Sampled: 05/03/06 08:05**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*84 %*	*40-120*		"	"	"	"	
SB18, 10-10.5' (MPE0188-28) Soil	**Sampled: 05/03/06 08:10**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*85 %*	*40-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB18, 15-15.5' (MPE0188-29) Soil Sampled: 05/03/06 08:15 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	10	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*87 %*	*40-120*		"	"	"	"	
SB18, 19.5-20' (MPE0188-30) Soil Sampled: 05/03/06 08:25 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**14**	10	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*77 %*	*40-120*		"	"	"	"	
SB18, 24.5-25' (MPE0188-31) Soil Sampled: 05/03/06 08:40 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	10	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*83 %*	*40-120*		"	"	"	"	
V3, 9.5-10' (MPE0188-32) Soil Sampled: 05/03/06 09:45 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	10	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*85 %*	*40-120*		"	"	"	"	
V5, 5-5.5' (MPE0188-33) Soil Sampled: 05/03/06 10:05 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	10	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*74 %*	*40-120*		"	"	"	"	
V5, 7.5-8' (MPE0188-34) Soil Sampled: 05/03/06 10:10 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	10	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*79 %*	*40-120*		"	"	"	"	
V4, 5-5.5' (MPE0188-35) Soil Sampled: 05/03/06 10:50 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	10	mg/kg	1	6E17033	05/17/06	05/19/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*78 %*	*40-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V4,7.5-8' (MPE0188-36) Soil Sampled: 05/03/06 10:45 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*62 %*	*40-120*		"	"	"	"	
V8, 5-5.5' (MPE0188-37) Soil Sampled: 05/03/06 10:40 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	ND	1.0	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*62 %*	*40-120*		"	"	"	"	
V8, 7.5-8' (MPE0188-38) Soil Sampled: 05/03/06 10:35 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**1.0**	1.0	mg/kg	1	6E17033	05/17/06	05/23/06	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*83 %*	*40-120*		"	"	"	"	
SB14, 5-5.5' (MPE0188-40) Soil Sampled: 05/02/06 09:00 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**3.2**	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*61 %*	*40-120*		"	"	"	"	
SB14, 10-10.5' (MPE0188-41) Soil Sampled: 05/02/06 09:05 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**6.5**	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*65 %*	*40-120*		"	"	"	"	
SB14, 15-15.5' (MPE0188-42) Soil Sampled: 05/02/06 09:15 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**2.1**	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*60 %*	*40-120*		"	"	"	"	
SB14, 20-20.5' (MPE0188-43) Soil Sampled: 05/02/06 09:20 Received: 05/03/06 19:15									
Diesel Range Organics (C10-C28)	**2.8**	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*64 %*	*40-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14, 24.5-25' (MPE0188-44) Soil	**Sampled: 05/02/06 09:25**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	2.2	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*66 %*	*40-120*		"	"	"	"	
SB15, 5-5.5' (MPE0188-45) Soil	**Sampled: 05/02/06 10:25**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	3.1	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*61 %*	*40-120*		"	"	"	"	
SB15, 15-15.5' (MPE0188-46) Soil	**Sampled: 05/02/06 11:20**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	8.7	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*68 %*	*40-120*		"	"	"	"	
SB15, 20-20.5' (MPE0188-47) Soil	**Sampled: 05/02/06 11:25**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	2.5	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*60 %*	*40-120*		"	"	"	"	
SB15, 24.5-25' (MPE0188-48) Soil	**Sampled: 05/02/06 11:30**	**Received: 05/03/06 19:15**							
Diesel Range Organics (C10-C28)	1.3	1.0	mg/kg	1	6E15007	05/15/06	05/20/06	EPA 8015B-SVOA	HC-12
Surrogate: n-Octacosane		*66 %*	*40-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16, 5-5.5' (MPE0188-01) Soil Sampled: 05/02/06 12:20 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E09026	05/09/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*55-135*		"	"	"	"	
SB16, 10-10.5' (MPE0188-02) Soil Sampled: 05/02/06 12:30 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E09026	05/09/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*55-135*		"	"	"	"	
SB16, 20-20.5' (MPE0188-03) Soil Sampled: 05/02/06 12:50 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*55-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16, 24.5-25' (MPE0188-04) Soil Sampled: 05/02/06 12:55 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5 0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5 0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5 0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1.2-Dichloroethane-d4		*91 %*	*55-135*		"	"	"	"	
SB17, 5.5-6' (MPE0188-05) Soil Sampled: 05/02/06 08:55 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5 0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5 0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5 0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1.2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
SB17, 10-10.5' (MPE0188-06) Soil Sampled: 05/02/06 09:00 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	0 12	mg/kg	5	6E12009	05/12/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	0 12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0 12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0 12	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0 12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.12	"	"	"	"	"	"	
Surrogate 1.2-Dichloroethane-d4		*91 %*	*55-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB17, 15-15.5' (MPE0188-07) Soil Sampled: 05/02/06 09:05 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*92 %*	*55-135*		"	"	"	"	
SB17, 19.5-20' (MPE0188-08) Soil Sampled: 05/02/06 09:15 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	1.2	mg/kg	50	6E12009	05/12/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	250	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.2	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.2	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.2	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*90 %*	*55-135*		"	"	"	"	
SB17, 24.5-25' (MPE0188-09) Soil Sampled: 05/02/06 09:30 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*112 %*	*55-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB16, 15-15.5' (MPE0188-10) Soil Sampled: 05/02/06 12:40 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*55-135*		"	"	"	"	
SB19, 5-5.5' (MPE0188-11) Soil Sampled: 05/02/06 15:05 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*55-135*		"	"	"	"	
SB19, 10-10.5' (MPE0188-12) Soil Sampled: 05/02/06 15:20 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10003	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*55-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB19, 15-15.5 (MPE0188-13) Soil	**Sampled: 05/02/06 15:40**		**Received: 05/03/06 19:15**						
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*91 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*75-115*		"	"	"	"	
SB19, 20-20.5 (MPE0188-14) Soil	**Sampled: 05/02/06 15:50**		**Received: 05/03/06 19:15**						
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/10/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*83 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB19, 24.5-25' (MPE0188-15) Soil Sampled: 05/02/06 16:15 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*87 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*75-115*		"	"	"	"	
SB20, 5.5-6' (MPE0188-16) Soil Sampled: 05/02/06 10:20 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*93 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB20, 10-10.5' (MPE0188-17) Soil Sampled: 05/02/06 10:25 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	51	ug/kg	10 2	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	51	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	51	"	"	"	"	"	"	
1,2-Dichloroethane	ND	51	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	51	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	51	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*90 %*	*55-135*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*90 %*	*70-115*		"	"	"	"	
Surrogate Dibromofluoromethane		*86 %*	*70-120*		"	"	"	"	
Surrogate Toluene-d8		*94 %*	*75-115*		"	"	"	"	
SB20, 15-15.5 (MPE0188-18) Soil Sampled: 05/02/06 10:40 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	0 12	mg/kg	5	6E12009	05/12/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	0 12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0 12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0 12	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0 12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.12	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*90 %*	*55-135*		"	"	"	"	
SB20, 19.5-20' (MPE0188-19) Soil Sampled: 05/02/06 10:45 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	2 5	mg/kg	100	6E12009	05/12/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	2 5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2 5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*95 %*	*55-135*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB20, 23.5-24' (MPE0188-20) Soil Sampled: 05/02/06 10:50 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*75-115*		"	"	"	"	
SB21, 8-8.5' (MPE0188-21) Soil Sampled: 05/02/06 12:45 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*87 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB21, 13-13.5' (MPE0188-22) Soil Sampled: 05/02/06 12:55 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*55-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*		*70-115*	"	"	"	"	
Surrogate: Dibromofluoromethane		*89 %*		*70-120*	"	"	"	"	
Surrogate: Toluene-d8		*94 %*		*75-115*	"	"	"	"	
SB21, 18-18.5' (MPE0188-23) Soil Sampled: 05/02/06 13:00 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**8.8**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*		*55-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*		*70-115*	"	"	"	"	
Surrogate: Dibromofluoromethane		*89 %*		*70-120*	"	"	"	"	
Surrogate: Toluene-d8		*91 %*		*75-115*	"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB21, 19.5-20' (MPE0188-24) Soil Sampled: 05/02/06 13:10 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**12**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*		*55-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*129 %*		*70-115*	"	"	"	"	*S01*
Surrogate: Dibromofluoromethane		*88 %*		*70-120*	"	"	"	"	
Surrogate: Toluene-d8		*93 %*		*75-115*	"	"	"	"	
SB21, 23-23.5' (MPE0188-25) Soil Sampled: 05/02/06 13:13 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*		*55-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*		*70-115*	"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*		*70-120*	"	"	"	"	
Surrogate: Toluene-d8		*92 %*		*75-115*	"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB21, 24.5-25' (MPE0188-26) Soil Sampled: 05/02/06 13:30 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*91 %*	*70-115*		"	"	"	"	
Surrogate Dibromofluoromethane		*82 %*	*70-120*		"	"	"	"	
Surrogate Toluene-d8		*92 %*	*75-115*		"	"	"	"	
SB18, 5-5.5' (MPE0188-27) Soil Sampled: 05/03/06 08:05 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1,2-Dichloroethane-d4		*91 %*	*55-135*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*89 %*	*70-115*		"	"	"	"	
Surrogate Dibromofluoromethane		*88 %*	*70-120*		"	"	"	"	
Surrogate Toluene-d8		*93 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB18, 10-10.5' (MPE0188-28) Soil Sampled: 05/03/06 08:10 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E10024	05/10/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*83 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*75-115*		"	"	"	"	
SB18, 15-15.5' (MPE0188-29) Soil Sampled: 05/03/06 08:15 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*86 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*87 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB18, 19.5-20' (MPE0188-30) Soil Sampled: 05/03/06 08:25 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*55-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*115 %*		*70-115*	"	"	"	"	
Surrogate: Dibromofluoromethane		*92 %*		*70-120*	"	"	"	"	
Surrogate: Toluene-d8		*88 %*		*75-115*	"	"	"	"	
SB18, 24.5-25' (MPE0188-31) Soil Sampled: 05/03/06 08:40 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1.01	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*		*55-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*		*70-115*	"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*		*70-120*	"	"	"	"	
Surrogate: Toluene-d8		*90 %*		*75-115*	"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V3, 9.5-10' (MPE0188-32) Soil Sampled: 05/03/06 09:45 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1.01	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*86 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*89 %*	*75-115*		"	"	"	"	
V5, 5-5.5' (MPE0188-33) Soil Sampled: 05/03/06 10:05 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	0.99	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V5, 7.5-8' (MPE0188-34) Soil Sampled: 05/03/06 10:10 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*90 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*75-115*		"	"	"	"	
V4, 5-5.5' (MPE0188-35) Soil Sampled: 05/03/06 10:50 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*86 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*90 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V4,7.5-8' (MPE0188-36) Soil Sampled: 05/03/06 10:45 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*89 %*	*75-115*		"	"	"	"	
V8, 5-5.5' (MPE0188-37) Soil Sampled: 05/03/06 10:40 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*85 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V8, 7.5-8' (MPE0188-38) Soil Sampled: 05/03/06 10:35 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1.01	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*		*55-135*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*		*70-115*		"	"	"	
Surrogate: Dibromofluoromethane		*88 %*		*70-120*		"	"	"	
Surrogate: Toluene-d8		*88 %*		*75-115*		"	"	"	
SB14, 5-5.5' (MPE0188-40) Soil Sampled: 05/02/06 09:00 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*		*55-135*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*		*70-115*		"	"	"	
Surrogate: Dibromofluoromethane		*86 %*		*70-120*		"	"	"	
Surrogate: Toluene-d8		*89 %*		*75-115*		"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14, 10-10.5' (MPE0188-41) Soil Sampled: 05/02/06 09:05 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*87 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*87 %*	*75-115*		"	"	"	"	
SB14, 15-15.5' (MPE0188-42) Soil Sampled: 05/02/06 09:15 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB14, 20-20.5' (MPE0188-43) Soil Sampled: 05/02/06 09:20 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	0.99	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*84 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*89 %*	*75-115*		"	"	"	"	
SB14, 24.5-25' (MPE0188-44) Soil Sampled: 05/02/06 09:25 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	0.99	6E11014	05/11/06	05/11/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*86 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*89 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB15, 5-5.5' (MPE0188-45) Soil Sampled: 05/02/06 10:25 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11026	05/11/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*89 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*88 %*	*75-115*		"	"	"	"	
SB15, 15-15.5' (MPE0188-46) Soil Sampled: 05/02/06 11:20 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11026	05/11/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*55-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*70-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*89 %*	*70-120*		"	"	"	"	
Surrogate: Toluene-d8		*87 %*	*75-115*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB15, 20-20.5' (MPE0188-47) Soil Sampled: 05/02/06 11:25 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5 0	ug/kg	0 99	6E11026	05/11/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5 0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5 0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1.2-Dichloroethane-d4		*90 %*		*55-135*		"	"	"	
Surrogate 4-Bromofluorobenzene		*94 %*		*70-115*		"	"	"	
Surrogate Dibromofluoromethane		*87 %*		*70-120*		"	"	"	
Surrogate Toluene-d8		*87 %*		*75-115*		"	"	"	
SB15, 24.5-25' (MPE0188-48) Soil Sampled: 05/02/06 11:30 Received: 05/03/06 19:15									
tert-Amyl methyl ether	ND	5.0	ug/kg	1	6E11026	05/11/06	05/12/06	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	5 0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5 0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate 1.2-Dichloroethane-d4		*91 %*		*55-135*		"	"	"	
Surrogate 4-Bromofluorobenzene		*96 %*		*70-115*		"	"	"	
Surrogate Dibromofluoromethane		*88 %*		*70-120*		"	"	"	
Surrogate Toluene-d8		*88 %*		*75-115*		"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11001 - EPA 5035 heated prg										
Blank (6E11001-BLK1)				Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/kg							
Benzene	ND	0 5	"							
Toluene	ND	0 5	"							
Ethylbenzene	ND	0 5	"							
Xylenes (total)	ND	0 5	"							
Surrogate a.a.a-Trifluorotoluene	*43 1*		"	*40 0*		*108*	*75-120*			
Surrogate 4-Bromofluorobenzene	*39 0*		"	*40 0*		*98*	*45-135*			
LCS (6E11001-BS1)				Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	272	100	ug/kg	275		99	65-125			
Surrogate 4-Bromofluorobenzene	*40 9*		"	*40 0*		*102*	*45-135*			
LCS (6E11001-BS2)				Prepared & Analyzed: 05/11/06						
Benzene	9 27	1 0	ug/kg	10 0		93	55-150			
Toluene	10 0	1 0	"	10 0		100	80-125			
Ethylbenzene	10 8	1 0	"	10 0		108	65-120			
Xylenes (total)	32 0	1 0	"	30 0		107	80-130			
Surrogate a.a.a-Trifluorotoluene	*43 0*		"	*40 0*		*108*	*75-120*			
Matrix Spike (6E11001-MS1)		**Source: MPE0275-01**		Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	239	100	ug/kg	275	15	81	65-125			
Benzene	4 15	1 0	"	2 65	ND	157	55-150			QM01
Toluene	21 3	1 0	"	23 0	ND	93	80-125			
Ethylbenzene	4.42	1 0	"	4 60	ND	96	65-120			
Xylenes (total)	24 0	1 0	"	26 4	ND	91	80-130			
Surrogate a.a.a-Trifluorotoluene	*42 0*		"	*40 0*		*105*	*75-120*			
Surrogate 4-Bromofluorobenzene	*39 9*		"	*40 0*		*100*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11001 - EPA 5035 heated prg										
Matrix Spike Dup (6E11001-MSD1)	**Source: MPE0275-01**			Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	249	100	ug/kg	275	15	85	65-125	4	40	
Benzene	4 42	1 0	"	2 65	ND	167	55-150	6	35	QM01
Toluene	22 7	1 0	"	23 0	ND	99	80-125	6	40	
Ethylbenzene	4 89	1 0	"	4 60	ND	106	65-120	10	40	
Xylenes (total)	25 9	1 0	"	26 4	ND	98	80-130	8	40	
Surrogate a.a.a-Trifluorotoluene	*42 4*		"	*40 0*		*106*	*75-120*			
Surrogate 4-Bromofluorobenzene	*40 1*		"	*40 0*		*100*	*45-135*			
Batch 6E11022 - EPA 5035A/5030B MeOH										
Blank (6E11022-BLK1)				Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	ND	2 5	mg/kg							
Benzene	ND	0 05	"							
Toluene	ND	0 05	"							
Ethylbenzene	ND	0 05	"							
Xylenes (total)	ND	0 05	"							
Surrogate a.a.a-Trifluorotoluene	*3 82*		"	*4 00*		*96*	*75-120*			
Surrogate 4-Bromofluorobenzene	*3 91*		"	*4 00*		*98*	*45-135*			
LCS (6E11022-BS1)				Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	23 7	5 0	mg/kg	27 5		86	65-125			
Surrogate 4-Bromofluorobenzene	*4 07*		"	*4 00*		*102*	*45-135*			
LCS (6E11022-BS2)				Prepared & Analyzed: 05/11/06						
Benzene	0 909	0 10	mg/kg	1 00		91	55-150			
Toluene	0 956	0 10	"	1 00		96	80-125			
Ethylbenzene	0 919	0 10	"	1 00		92	65-120			
Xylenes (total)	2 82	0 10	"	3 00		94	80-130			
Surrogate a.a.a-Trifluorotoluene	*3 90*		"	*4 00*		*98*	*75-120*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11022 - EPA 5035A/5030B MeOH										
LCS Dup (6E11022-BSD1)				Prepared & Analyzed: 05/11/06						
Gasoline Range Organics (C4-C12)	23 3	5 0	mg/kg	27 5		85	65-125	2	40	
Surrogate 4-Bromofluorobenzene	*3 94*		"	*4 00*		*98*	*45-135*			
LCS Dup (6E11022-BSD2)				Prepared & Analyzed: 05/11/06						
Benzene	1 00	0 10	mg/kg	1 00		100	55-150	10	35	
Toluene	1 05	0 10	"	1 00		105	80-125	9	40	
Ethylbenzene	1 01	0 10	"	1 00		101	65-120	9	40	
Xylenes (total)	3 10	0 10	"	3 00		103	80-130	9	40	
Surrogate a.a.a-Trifluorotoluene	*3 96*		"	*4 00*		*99*	*75-120*			
Batch 6E12017 - EPA 5035 heated prg										
Blank (6E12017-BLK1)				Prepared & Analyzed: 05/12/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/kg							
Benzene	ND	0 5	"							
Toluene	ND	0 5	"							
Ethylbenzene	ND	0 5	"							
Xylenes (total)	ND	0 5	"							
Surrogate a.a.a-Trifluorotoluene	*41 9*		"	*40 0*		*105*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 9*		"	*40 0*		*95*	*45-135*			
LCS (6E12017-BS1)				Prepared & Analyzed: 05/12/06						
Gasoline Range Organics (C4-C12)	275	100	ug/kg	275		100	65-125			
Benzene	3 86	1 0	"	2 65		146	55-150			
Toluene	20 3	1 0	"	23 0		88	80-125			
Ethylbenzene	4 42	1 0	"	4 60		96	65-120			
Xylenes (total)	23 7	1 0	"	26 4		90	80-130			
Surrogate a.a.a-Trifluorotoluene	*41 0*		"	*40 0*		*102*	*75-120*			
Surrogate 4-Bromofluorobenzene	*40 2*		"	*40 0*		*100*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E12017 - EPA 5035 heated prg										
Matrix Spike (6E12017-MS1)		**Source: MPE0188-04**		Prepared & Analyzed: 05/12/06						
Gasoline Range Organics (C4-C12)	303	100	ug/kg	275	ND	110	65-125			
Benzene	4 32	1 0	"	2 65	ND	163	55-150			QM01
Toluene	21 7	1 0	"	23 0	ND	94	80-125			
Ethylbenzene	5 18	1 0	"	4 60	3 1	45	65-120			QM02
Xylenes (total)	24 8	1 0	"	26 4	ND	94	80-130			
Surrogate a.a.a-Trifluorotoluene	*41 5*		"	*40 0*		*104*	*75-120*			
Surrogate 4-Bromofluorobenzene	*40 9*		"	*40 0*		*102*	*45-135*			
Matrix Spike Dup (6E12017-MSD1)		**Source: MPE0188-04**		Prepared & Analyzed: 05/12/06						
Gasoline Range Organics (C4-C12)	304	100	ug/kg	275	ND	111	65-125	0 3	40	
Benzene	4 13	1 0	"	2 65	ND	156	55-150	4	35	QM01
Toluene	20 1	1 0	"	23 0	ND	87	80-125	8	40	
Ethylbenzene	4 89	1 0	"	4 60	3 1	39	65-120	6	40	QM02
Xylenes (total)	22 1	1 0	"	26 4	ND	84	80-130	12	40	
Surrogate a.a.a-Trifluorotoluene	*41 3*		"	*40 0*		*103*	*75-120*			
Surrogate 4-Bromofluorobenzene	*40 5*		"	*40 0*		*101*	*45-135*			
Batch 6E13007 - EPA 5035 heated prg										
Blank (6E13007-BLK1)				Prepared & Analyzed: 05/13/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/kg							
Benzene	ND	0 5	"							
Toluene	ND	0 5	"							
Ethylbenzene	ND	0 5	"							
Xylenes (total)	ND	0 5	"							
Surrogate a.a.a-Trifluorotoluene	*41 6*		"	*40 0*		*104*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 8*		"	*40 0*		*94*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
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Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E13007 - EPA 5035 heated prg										
LCS (6E13007-BS1)				Prepared & Analyzed: 05/13/06						
Gasoline Range Organics (C4-C12)	275	100	ug/kg	275		100	65-125			
Benzene	3 89	1 0	"	2 65		147	55-150			
Toluene	20 0	1 0	"	23 0		87	80-125			
Ethylbenzene	4 25	1 0	"	4 60		92	65-120			
Xylenes (total)	23 3	1 0	"	26 4		88	80-130			
Surrogate a a a-Trifluorotoluene	*40 7*		"	*40 0*		*102*	*75-120*			
Surrogate 4-Bromofluorobenzene	*39 8*		"	*40 0*		*100*	*45-135*			
Matrix Spike (6E13007-MS1)		**Source: MPE0188-45**		Prepared & Analyzed: 05/13/06						
Gasoline Range Organics (C4-C12)	199	100	ug/kg	275	16	67	65-125			
Benzene	3 50	1 0	"	2 65	ND	132	55-150			
Toluene	18 3	1 0	"	23 0	ND	80	80-125			
Ethylbenzene	3 77	1 0	"	4 60	ND	82	65-120			
Xylenes (total)	20 2	1 0	"	26 4	ND	77	80-130			QM02
Surrogate a a a-Trifluorotoluene	*40 4*		"	*40 0*		*101*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 1*		"	*40 0*		*93*	*45-135*			
Matrix Spike Dup (6E13007-MSD1)		**Source: MPE0188-45**		Prepared & Analyzed: 05/13/06						
Gasoline Range Organics (C4-C12)	241	100	ug/kg	275	16	82	65-125	19	40	
Benzene	3 99	1 0	"	2 65	ND	151	55-150	13	35	QM01
Toluene	21 0	1 0	"	23 0	ND	91	80-125	14	40	
Ethylbenzene	4 45	1 0	"	4 60	ND	97	65-120	17	40	
Xylenes (total)	23 8	1 0	"	26 4	ND	90	80-130	16	40	
Surrogate a a a-Trifluorotoluene	*40 7*		"	*40 0*		*102*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 8*		"	*40 0*		*94*	*45-135*			
Batch 6E15008 - EPA 5035A/5030B MeOH										
Blank (6E15008-BLK1)				Prepared & Analyzed: 05/15/06						
Gasoline Range Organics (C4-C12)	ND	2 5	mg/kg							
Benzene	ND	0 05	"							
Toluene	ND	0 05	"							
Ethylbenzene	ND	0 05	"							

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
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Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E15008 - EPA 5035A/5030B MeOH										
Blank (6E15008-BLK1)				Prepared & Analyzed: 05/15/06						
Xylenes (total)	ND	0 05	mg/kg							
Surrogate a.a.a-Trifluorotoluene	*3 97*		"	*4 00*		*99*	*75-120*			
Surrogate 4-Bromofluorobenzene	*3 88*		"	*4 00*		*97*	*45-135*			
LCS (6E15008-BS1)				Prepared & Analyzed: 05/15/06						
Gasoline Range Organics (C4-C12)	24 1	5 0	mg/kg	27 5		88	65-125			
Surrogate 4-Bromofluorobenzene	*3 92*		"	*4 00*		*98*	*45-135*			
LCS (6E15008-BS2)				Prepared & Analyzed: 05/15/06						
Benzene	0 943	0 10	mg/kg	1 00		94	55-150			
Toluene	1 01	0 10	"	1 00		101	80-125			
Ethylbenzene	0 953	0 10	"	1 00		95	65-120			
Xylenes (total)	2 95	0 10	"	3 00		98	80-130			
Surrogate a.a.a-Trifluorotoluene	*4 11*		"	*4 00*		*103*	*75-120*			
LCS Dup (6E15008-BSD1)				Prepared & Analyzed: 05/15/06						
Gasoline Range Organics (C4-C12)	23 6	5 0	mg/kg	27 5		86	65-125	2	40	
Surrogate 4-Bromofluorobenzene	*3 66*		"	*4 00*		*92*	*45-135*			
LCS Dup (6E15008-BSD2)				Prepared & Analyzed: 05/15/06						
Benzene	0 942	0 10	mg/kg	1 00		94	55-150	0 1	35	
Toluene	0 996	0 10	"	1 00		100	80-125	1	40	
Ethylbenzene	0 962	0 10	"	1 00		96	65-120	0 9	40	
Xylenes (total)	2 95	0 10	"	3 00		98	80-130	0	40	
Surrogate a.a.a-Trifluorotoluene	*3 73*		"	*4 00*		*93*	*75-120*			
Batch 6E15010 - EPA 5035 heated prg										
Blank (6E15010-BLK1)				Prepared & Analyzed: 05/15/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/kg							
Benzene	ND	0 5	"							
Toluene	ND	0 5	"							
Ethylbenzene	ND	0 5	"							
Xylenes (total)	ND	0 5	"							

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E15010 - EPA 5035 heated prg										
Blank (6E15010-BLK1)				Prepared & Analyzed: 05/15/06						
Surrogate a,a,a-Trifluorotoluene	*41 8*		*ug/kg*	*40 0*		*104*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 5*		"	*40 0*		*94*	*45-135*			
LCS (6E15010-BS1)				Prepared & Analyzed: 05/15/06						
Gasoline Range Organics (C4-C12)	258	100	ug/kg	275		94	65-125			
Benzene	3 92	1 0	"	2 65		148	55-150			
Toluene	20 0	1 0	"	23 0		87	80-125			
Ethylbenzene	4 29	1 0	"	4 60		93	65-120			
Xylenes (total)	23 1	1 0	"	26 4		88	80-130			
Surrogate a,a,a-Trifluorotoluene	*41 2*		"	*40 0*		*103*	*75-120*			
Surrogate 4-Bromofluorobenzene	*40 1*		"	*40 0*		*100*	*45-135*			
Matrix Spike (6E15010-MS1)	**Source: MPE0188-47**			Prepared & Analyzed: 05/15/06						
Gasoline Range Organics (C4-C12)	208	100	ug/kg	275	160	17	65-125			QM02
Benzene	3 77	1 0	"	2 65	0 39	128	55-150			
Toluene	18 4	1 0	"	23 0	ND	80	80-125			
Ethylbenzene	4 93	1 0	"	4 60	1 6	72	65-120			
Xylenes (total)	22 0	1 0	"	26 4	ND	83	80-130			
Surrogate a,a,a-Trifluorotoluene	*40 4*		"	*40 0*		*101*	*75-120*			
Surrogate 4-Bromofluorobenzene	*28 7*		"	*40 0*		*72*	*45-135*			
Matrix Spike Dup (6E15010-MSD1)	**Source: MPE0188-47**			Prepared & Analyzed: 05/15/06						
Gasoline Range Organics (C4-C12)	356	100	ug/kg	275	160	71	65-125	52	40	QC20
Benzene	4 15	1 0	"	2 65	0 39	142	55-150	10	35	
Toluene	20 3	1 0	"	23 0	ND	88	80-125	10	40	
Ethylbenzene	5 27	1 0	"	4 60	1 6	80	65-120	7	40	
Xylenes (total)	23 8	1 0	"	26 4	ND	90	80-130	8	40	
Surrogate a,a,a-Trifluorotoluene	*40 8*		"	*40 0*		*102*	*75-120*			
Surrogate 4-Bromofluorobenzene	*48 8*		"	*40 0*		*122*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E16003 - EPA 5035 heated prg										
Blank (6E16003-BLK1)				Prepared & Analyzed: 05/16/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/kg							
Benzene	ND	0 5	"							
Toluene	ND	0 5	"							
Ethylbenzene	ND	0 5	"							
Xylenes (total)	ND	0 5	"							
Surrogate a.a.a-Trifluorotoluene	*42 6*		"	*40 0*		*106*	*75-120*			
Surrogate 4-Bromofluorobenzene	*37 7*		"	*40 0*		*94*	*45-135*			
LCS (6E16003-BS1)				Prepared & Analyzed: 05/16/06						
Gasoline Range Organics (C4-C12)	295	100	ug/kg	275		107	65-125			
Surrogate 4-Bromofluorobenzene	*40 4*		"	*40 0*		*101*	*45-135*			
LCS (6E16003-BS2)				Prepared & Analyzed: 05/16/06						
Benzene	8 90	1 0	ug/kg	10 0		89	55-150			
Toluene	9 97	1 0	"	10 0		100	80-125			
Ethylbenzene	10 8	1 0	"	10 0		108	65-120			
Xylenes (total)	32 6	1 0	"	30 0		109	80-130			
Surrogate a.a.a-Trifluorotoluene	*41 6*		"	*40 0*		*104*	*75-120*			
Matrix Spike (6E16003-MS1)		**Source: MPE0115-23**		Prepared & Analyzed: 05/16/06						
Gasoline Range Organics (C4-C12)	221	100	ug/kg	275	ND	80	65-125			
Benzene	3 70	1 0	"	2 65	ND	140	55-150			
Toluene	19 3	1 0	"	23 0	ND	84	80-125			
Ethylbenzene	3 99	1 0	"	4 60	ND	87	65-120			
Xylenes (total)	21 4	1 0	"	26 4	ND	81	80-130			
Surrogate a.a.a-Trifluorotoluene	*41 0*		"	*40 0*		*102*	*75-120*			
Surrogate 4-Bromofluorobenzene	*38 9*		"	*40 0*		*97*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E16003 - EPA 5035 heated prg										
Matrix Spike Dup (6E16003-MSD1)	**Source: MPE0115-23**			Prepared & Analyzed: 05/16/06						
Gasoline Range Organics (C4-C12)	212	100	ug/kg	275	ND	77	65-125	4	40	
Benzene	3 70	1 0	"	2 65	ND	140	55-150	0	35	
Toluene	19 3	1 0	"	23 0	ND	84	80-125	0	40	
Ethylbenzene	3 87	1 0	"	4 60	ND	84	65-120	3	40	
Xylenes (total)	21 0	1 0	"	26 4	ND	80	80-130	2	40	
Surrogate a,a,a-Trifluorotoluene	*40 7*		"	*40 0*		*102*	*75-120*			
Surrogate 4-Bromofluorobenzene	*38 4*		"	*40 0*		*96*	*45-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E12023 - LUFT-DHS										
Blank (6E12023-BLK1)				Prepared: 05/12/06 Analyzed: 05/18/06						
Diesel Range Organics (C10-C28)	ND	0 84	mg/kg							
Surrogate n-Octacosane	*0 904*		"	*1 67*		*54*	*40-120*			
LCS (6E12023-BS1)				Prepared: 05/12/06 Analyzed: 05/18/06						
Diesel Range Organics (C10-C28)	15 4	1 0	mg/kg	16 7		92	60-115			
Surrogate n-Octacosane	*1 24*		"	*1 67*		*74*	*40-120*			
Matrix Spike (6E12023-MS1)	**Source: MPE0188-09**			Prepared: 05/12/06 Analyzed: 05/18/06						
Diesel Range Organics (C10-C28)	13 6	1 0	mg/kg	16 7	1 1	75	60-115			
Surrogate n-Octacosane	*1 03*		"	*1 67*		*62*	*40-120*			
Matrix Spike Dup (6E12023-MSD1)	**Source: MPE0188-09**			Prepared: 05/12/06 Analyzed: 05/18/06						
Diesel Range Organics (C10-C28)	14 1	1 0	mg/kg	16 7	1 1	78	60-115	4	40	
Surrogate n-Octacosane	*1 24*		"	*1 67*		*74*	*40-120*			
Batch 6E15007 - LUFT-DHS										
Blank (6E15007-BLK1)				Prepared: 05/15/06 Analyzed: 05/20/06						
Diesel Range Organics (C10-C28)	ND	0 84	mg/kg							
Surrogate n-Octacosane	*1 01*		"	*1 67*		*60*	*40-120*			
LCS (6E15007-BS1)				Prepared: 05/15/06 Analyzed: 05/19/06						
Diesel Range Organics (C10-C28)	11 9	1 0	mg/kg	16 7		71	60-115			
Surrogate n-Octacosane	*1 26*		"	*1 67*		*75*	*40-120*			
Matrix Spike (6E15007-MS1)	**Source: MPE0188-24**			Prepared: 05/15/06 Analyzed: 05/19/06						
Diesel Range Organics (C10-C28)	11 5	1 0	mg/kg	16 7	2 4	54	60-115			QM02
Surrogate n-Octacosane	*1 01*		"	*1 67*		*60*	*40-120*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Extractable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E15007 - LUFT-DHS										
Matrix Spike Dup (6E15007-MSD1)		**Source: MPE0188-24**		Prepared: 05/15/06 Analyzed: 05/19/06						
Diesel Range Organics (C10-C28)	12 9	1 0	mg/kg	16 7	2 4	63	60-115	11	40	
Surrogate n-Octacosane	*1 09*		"	*1 67*		*65*	*40-120*			
Batch 6E17033 - LUFT-DHS										
Blank (6E17033-BLK1)				Prepared: 05/17/06 Analyzed: 05/18/06						
Diesel Range Organics (C10-C28)	ND	0 84	mg/kg							
Surrogate n-Octacosane	*1 26*		"	*1 67*		*75*	*40-120*			
LCS (6E17033-BS1)				Prepared: 05/17/06 Analyzed: 05/19/06						
Diesel Range Organics (C10-C28)	14 4	1 0	mg/kg	16 7		86	60-115			
Surrogate n-Octacosane	*1 49*		"	*1 67*		*89*	*40-120*			
Matrix Spike (6E17033-MS1)		**Source: MPE0188-35**		Prepared: 05/17/06 Analyzed: 05/19/06						
Diesel Range Organics (C10-C28)	26 8	1 0	mg/kg	16 7	ND	160	60-115			QM01
Surrogate n-Octacosane	*1 39*		"	*1 67*		*83*	*40-120*			
Matrix Spike Dup (6E17033-MSD1)		**Source: MPE0188-35**		Prepared: 05/17/06 Analyzed: 05/19/06						
Diesel Range Organics (C10-C28)	27 6	1 0	mg/kg	16 7	ND	165	60-115	3	40	QM01
Surrogate n-Octacosane	*1 41*		"	*1 67*		*84*	*40-120*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E09026 - EPA 5035										
Blank (6E09026-BLK1)				Prepared & Analyzed: 05/09/06						
tert-Amyl methyl ether	ND	2 5	ug/kg							
tert-Butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2 5	"							
1,2-Dibromoethane (EDB)	ND	2 5	"							
1,2-Dichloroethane	ND	2 5	"							
Ethanol	ND	50	"							
Ethyl tert-butyl ether	ND	2 5	"							
Methyl tert-butyl ether	ND	2 5	"							
Surrogate 1,2-Dichloroethane-d4	*4 42*		"	*5 00*		*88*	*55-135*			
LCS (6E09026-BS1)				Prepared & Analyzed: 05/09/06						
tert-Amyl methyl ether	10 9	5 0	ug/kg	10 0		109	70-130			
tert-Butyl alcohol	199	20	"	200		100	70-120			
Di-isopropyl ether	10 6	5 0	"	10 0		106	65-135			
1,2-Dibromoethane (EDB)	11 2	5 0	"	10 0		112	85-135			
1,2-Dichloroethane	11 2	5 0	"	10 0		112	65-145			
Ethanol	168	100	"	200		84	15-150			
Ethyl tert-butyl ether	10 4	5 0	"	10 0		104	70-130			
Methyl tert-butyl ether	11 0	5 0	"	10 0		110	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 42*		"	*5 00*		*88*	*55-135*			
Matrix Spike (6E09026-MS1)	**Source: MPE0194-01**			Prepared & Analyzed: 05/09/06						
tert-Amyl methyl ether	10 3	5 0	ug/kg	10 0	0 16	101	70-130			
tert-Butyl alcohol	182	20	"	200	ND	91	70-120			
Di-isopropyl ether	10 2	5 0	"	10 0	ND	102	65-135			
1,2-Dibromoethane (EDB)	10 1	5 0	"	10 0	ND	101	85-135			
1,2-Dichloroethane	10 3	5 0	"	10 0	ND	103	65-145			
Ethanol	146	100	"	200	ND	73	15-150			
Ethyl tert-butyl ether	10 0	5 0	"	10 0	ND	100	70-130			
Methyl tert-butyl ether	10 3	5 0	"	10 0	ND	103	70-135			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E09026 - EPA 5035										
Matrix Spike (6E09026-MS1)		**Source: MPE0194-01**		Prepared & Analyzed: 05/09/06						
Surrogate 1,2-Dichloroethane-d4	*4 55*		*ug/kg*	*5 00*		*91*	*55-135*			
Matrix Spike Dup (6E09026-MSD1)		**Source: MPE0194-01**		Prepared & Analyzed: 05/09/06						
tert-Amyl methyl ether	10 0	5 0	ug/kg	10 0	0 16	98	70-130	3	25	
tert-Butyl alcohol	183	20	"	200	ND	92	70-120	0 5	15	
Di-isopropyl ether	9 94	5 0	"	10 0	ND	99	65-135	3	15	
1,2-Dibromoethane (EDB)	9 79	5 0	"	10 0	ND	98	85-135	3	20	
1,2-Dichloroethane	10 3	5 0	"	10 0	ND	103	65-145	0	25	
Ethanol	145	100	"	200	ND	72	15-150	0 7	40	
Ethyl tert-butyl ether	9 75	5 0	"	10 0	ND	98	70-130	3	15	
Methyl tert-butyl ether	10 0	5 0	"	10 0	ND	100	70-135	3	15	
Surrogate 1,2-Dichloroethane-d4	*4 45*		"	*5 00*		*89*	*55-135*			
Batch 6E10003 - EPA 5035										
Blank (6E10003-BLK1)				Prepared & Analyzed: 05/10/06						
tert-Amyl methyl ether	ND	2 5	ug/kg							
tert-Butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2 5	"							
1,2-Dibromoethane (EDB)	ND	2 5	"							
1,2-Dichloroethane	ND	2 5	"							
Ethanol	ND	50	"							
Ethyl tert-butyl ether	ND	2 5	"							
Methyl tert-butyl ether	ND	2 5	"							
Surrogate 1,2-Dichloroethane-d4	*4 43*		"	*5 00*		*89*	*55-135*			
LCS (6E10003-BS1)				Prepared & Analyzed: 05/10/06						
tert-Amyl methyl ether	10 5	5 0	ug/kg	10 0		105	70-130			
tert-Butyl alcohol	195	20	"	200		98	70-120			
Di-isopropyl ether	10 4	5 0	"	10 0		104	65-135			
1,2-Dibromoethane (EDB)	11 6	5 0	"	10 0		116	85-135			
1,2-Dichloroethane	10 9	5 0	"	10 0		109	65-145			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E10003 - EPA 5035										
LCS (6E10003-BS1)				Prepared & Analyzed: 05/10/06						
Ethanol	167	100	ug/kg	200		84	15-150			
Ethyl tert-butyl ether	10 2	5 0	"	10 0		102	70-130			
Methyl tert-butyl ether	10 6	5 0	"	10 0		106	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 39*		"	*5 00*		*88*	*55-135*			
Matrix Spike (6E10003-MS1)		**Source: MPE0188-03**		Prepared & Analyzed: 05/10/06						
tert-Amyl methyl ether	9 88	5 0	ug/kg	10 0	0 12	98	70-130			
tert-Butyl alcohol	214	20	"	200	ND	107	70-120			
Di-isopropyl ether	9 35	5 0	"	10 0	ND	94	65-135			
1,2-Dibromoethane (EDB)	11 1	5 0	"	10 0	ND	111	85-135			
1,2-Dichloroethane	9 94	5 0	"	10 0	ND	99	65-145			
Ethanol	182	100	"	200	ND	91	15-150			
Ethyl tert-butyl ether	9 56	5 0	"	10 0	ND	96	70-130			
Methyl tert-butyl ether	9 84	5 0	"	10 0	ND	98	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 27*		"	*5 00*		*85*	*55-135*			
Matrix Spike Dup (6E10003-MSD1)		**Source: MPE0188-03**		Prepared & Analyzed: 05/10/06						
tert-Amyl methyl ether	10 3	5 0	ug/kg	10 0	0 12	102	70-130	4	25	
tert-Butyl alcohol	186	20	"	200	ND	93	70-120	14	15	
Di-isopropyl ether	10 0	5 0	"	10 0	ND	100	65-135	7	15	
1,2-Dibromoethane (EDB)	10 9	5 0	"	10 0	ND	109	85-135	2	20	
1,2-Dichloroethane	10 8	5 0	"	10 0	ND	108	65-145	8	25	
Ethanol	158	100	"	200	ND	79	15-150	14	40	
Ethyl tert-butyl ether	10 0	5 0	"	10 0	ND	100	70-130	4	15	
Methyl tert-butyl ether	10 3	5 0	"	10 0	ND	103	70-135	5	15	
Surrogate 1,2-Dichloroethane-d4	*4 54*		"	*5 00*		*91*	*55-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E10024 - EPA 5035										
Blank (6E10024-BLK1)				Prepared & Analyzed: 05/10/06						
tert-Amyl methyl ether	ND	2 5	ug/kg							
tert-Butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2 5	"							
1,2-Dibromoethane (EDB)	ND	2 5	"							
1,2-Dichloroethane	ND	2 5	"							
Ethanol	ND	50	"							
Ethyl tert-butyl ether	ND	2 5	"							
Methyl tert-butyl ether	ND	2 5	"							
Surrogate 1,2-Dichloroethane-d4	*4 40*		"	*5 00*		*88*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 56*		"	*5 00*		*91*	*70-115*			
Surrogate Dibromofluoromethane	*4 60*		"	*5 00*		*92*	*70-120*			
Surrogate Toluene-d8	*4 69*		"	*5 00*		*94*	*75-115*			
LCS (6E10024-BS1)				Prepared & Analyzed: 05/10/06						
tert-Amyl methyl ether	11 0	5 0	ug/kg	10 0		110	70-130			
tert-Butyl alcohol	198	20	"	200		99	70-120			
Di-isopropyl ether	9 86	5 0	"	10 0		99	65-135			
1,2-Dibromoethane (EDB)	11 6	5 0	"	10 0		116	85-135			
1,2-Dichloroethane	11 2	5 0	"	10 0		112	65-145			
Ethanol	160	100	"	200		80	15-150			
Ethyl tert-butyl ether	10 3	5 0	"	10 0		103	70-130			
Methyl tert-butyl ether	10 8	5 0	"	10 0		108	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 44*		"	*5 00*		*89*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 64*		"	*5 00*		*93*	*70-115*			
Surrogate Dibromofluoromethane	*4 59*		"	*5 00*		*92*	*70-120*			
Surrogate Toluene-d8	*4 60*		"	*5 00*		*92*	*75-115*			
Matrix Spike (6E10024-MS1)	**Source: MPE0188-16**			Prepared: 05/10/06 Analyzed: 05/11/06						
tert-Amyl methyl ether	10 3	5 0	ug/kg	10 0	ND	103	70-130			
tert-Butyl alcohol	186	20	"	200	ND	93	70-120			
Di-isopropyl ether	9 88	5 0	"	10 0	ND	99	65-135			
1,2-Dibromoethane (EDB)	9 77	5 0	"	10 0	ND	98	85-135			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E10024 - EPA 5035										
Matrix Spike (6E10024-MS1)	**Source: MPE0188-16**			Prepared: 05/10/06	Analyzed: 05/11/06					
1,2-Dichloroethane	10 2	5 0	ug/kg	10 0	ND	102	65-145			
Ethanol	ND	100	"	200	ND		15-150			QM02
Ethyl tert-butyl ether	10 0	5 0	"	10 0	ND	100	70-130			
Methyl tert-butyl ether	10 2	5 0	"	10 0	ND	102	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 42*		"	*5 00*		*88*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 46*		"	*5 00*		*89*	*70-115*			
Surrogate Dibromofluoromethane	*4 59*		"	*5 00*		*92*	*70-120*			
Surrogate Toluene-d8	*4 66*		"	*5 00*		*93*	*75-115*			
Matrix Spike Dup (6E10024-MSD1)	**Source: MPE0188-16**			Prepared: 05/10/06	Analyzed: 05/11/06					
tert-Amyl methyl ether	10 1	5 0	ug/kg	10 0	ND	101	70-130	2	25	
tert-Butyl alcohol	179	20	"	200	ND	90	70-120	4	15	
Di-isopropyl ether	9 80	5 0	"	10 0	ND	98	65-135	0 8	15	
1,2-Dibromoethane (EDB)	9 17	5 0	"	10 0	ND	92	85-135	6	20	
1,2-Dichloroethane	10 0	5 0	"	10 0	ND	100	65-145	2	25	
Ethanol	ND	100	"	200	ND		15-150		40	QM02
Ethyl tert-butyl ether	9 83	5 0	"	10 0	ND	98	70-130	2	15	
Methyl tert-butyl ether	10 0	5 0	"	10 0	ND	100	70-135	2	15	
Surrogate 1,2-Dichloroethane-d4	*4 45*		"	*5 00*		*89*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 60*		"	*5 00*		*92*	*70-115*			
Surrogate Dibromofluoromethane	*4 61*		"	*5 00*		*92*	*70-120*			
Surrogate Toluene-d8	*4 55*		"	*5 00*		*91*	*75-115*			
Batch 6E11014 - EPA 5035										
Blank (6E11014-BLK1)				Prepared & Analyzed: 05/11/06						
tert-Amyl methyl ether	ND	2 5	ug/kg							
tert-Butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2 5	"							
1,2-Dibromoethane (EDB)	ND	2 5	"							
1,2-Dichloroethane	ND	2 5	"							
Ethanol	ND	50	"							
Ethyl tert-butyl ether	ND	2 5	"							

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11014 - EPA 5035										
Blank (6E11014-BLK1)				Prepared & Analyzed: 05/11/06						
Methyl tert-butyl ether	ND	2 5	ug/kg							
Surrogate 1,2-Dichloroethane-d4	*4 56*		"	*5 00*		*91*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 46*		"	*5 00*		*89*	*70-115*			
Surrogate Dibromofluoromethane	*4 39*		"	*5 00*		*88*	*70-120*			
Surrogate Toluene-d8	*4 51*		"	*5 00*		*90*	*75-115*			
LCS (6E11014-BS1)				Prepared & Analyzed: 05/11/06						
tert-Amyl methyl ether	10 2	5 0	ug/kg	10 0		102	70-130			
tert-Butyl alcohol	192	20	"	200		96	70-120			
Di-isopropyl ether	10 2	5 0	"	10 0		102	65-135			
1,2-Dibromoethane (EDB)	10 5	5 0	"	10 0		105	85-135			
1,2-Dichloroethane	10 4	5 0	"	10 0		104	65-145			
Ethanol	176	100	"	200		88	15-150			
Ethyl tert-butyl ether	9 98	5 0	"	10 0		100	70-130			
Methyl tert-butyl ether	10 2	5 0	"	10 0		102	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 43*		"	*5 00*		*89*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 30*		"	*5 00*		*86*	*70-115*			
Surrogate Dibromofluoromethane	*4 49*		"	*5 00*		*90*	*70-120*			
Surrogate Toluene-d8	*4 44*		"	*5 00*		*89*	*75-115*			
Matrix Spike (6E11014-MS1)	**Source: MPE0188-29**			Prepared & Analyzed: 05/11/06						
tert-Amyl methyl ether	10 2	5 0	ug/kg	10 0	ND	102	70-130			
tert-Butyl alcohol	205	20	"	200	ND	102	70-120			
Di-isopropyl ether	10 5	5 0	"	10 0	ND	105	65-135			
1,2-Dibromoethane (EDB)	10 6	5 0	"	10 0	ND	106	85-135			
1,2-Dichloroethane	10 6	5 0	"	10 0	ND	106	65-145			
Ethanol	199	100	"	200	ND	100	15-150			
Ethyl tert-butyl ether	10 0	5 0	"	10 0	ND	100	70-130			
Methyl tert-butyl ether	10 3	5 0	"	10 0	ND	103	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 36*		"	*5 00*		*87*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 44*		"	*5 00*		*89*	*70-115*			
Surrogate Dibromofluoromethane	*4 49*		"	*5 00*		*90*	*70-120*			
Surrogate Toluene-d8	*4 40*		"	*5 00*		*88*	*75-115*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11014 - EPA 5035										
Matrix Spike Dup (6E11014-MSD1)	**Source: MPE0188-29**			Prepared & Analyzed: 05/11/06						
tert-Amyl methyl ether	10 3	5 0	ug/kg	10 0	ND	103	70-130	1	25	
tert-Butyl alcohol	197	20	"	200	ND	98	70-120	4	15	
Di-isopropyl ether	10 6	5 0	"	10 0	ND	106	65-135	0 9	15	
1,2-Dibromoethane (EDB)	10 7	5 0	"	10 0	ND	107	85-135	0 9	20	
1,2-Dichloroethane	10 6	5 0	"	10 0	ND	106	65-145	0	25	
Ethanol	195	100	"	200	ND	98	15-150	2	40	
Ethyl tert-butyl ether	10 2	5 0	"	10 0	ND	102	70-130	2	15	
Methyl tert-butyl ether	10 4	5 0	"	10 0	ND	104	70-135	1	15	
Surrogate 1,2-Dichloroethane-d4	*4 39*		"	*5 00*		*88*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 52*		"	*5 00*		*90*	*70-115*			
Surrogate Dibromofluoromethane	*4 49*		"	*5 00*		*90*	*70-120*			
Surrogate Toluene-d8	*4 49*		"	*5 00*		*90*	*75-115*			
Batch 6E11026 - EPA 5035										
Blank (6E11026-BLK1)				Prepared & Analyzed: 05/11/06						
tert-Amyl methyl ether	ND	2 5	ug/kg							
tert-Butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2 5	"							
1,2-Dibromoethane (EDB)	ND	2 5	"							
1,2-Dichloroethane	ND	2 5	"							
Ethanol	ND	50	"							
Ethyl tert-butyl ether	ND	2 5	"							
Methyl tert-butyl ether	ND	2 5	"							
Surrogate 1,2-Dichloroethane-d4	*4 52*		"	*5 00*		*90*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 47*		"	*5 00*		*89*	*70-115*			
Surrogate Dibromofluoromethane	*4 44*		"	*5 00*		*89*	*70-120*			
Surrogate Toluene-d8	*4 35*		"	*5 00*		*87*	*75-115*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
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FAX (408) 782-6308
www sequoialabs com

ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11026 - EPA 5035										
LCS (6E11026-BS1)				Prepared: 05/11/06 Analyzed: 05/12/06						
tert-Amyl methyl ether	10 4	5 0	ug/kg	10 0		104	70-130			
tert-Butyl alcohol	208	20	"	200		104	70-120			
Di-isopropyl ether	11 2	5 0	"	10 0		112	65-135			
1,2-Dibromoethane (EDB)	10 8	5 0	"	10 0		108	85-135			
1,2-Dichloroethane	10 7	5 0	"	10 0		107	65-145			
Ethanol	219	100	"	200		110	15-150			
Ethyl tert-butyl ether	10 4	5 0	"	10 0		104	70-130			
Methyl tert-butyl ether	10 3	5 0	"	10 0		103	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 55*		"	*5 00*		*91*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 61*		"	*5 00*		*92*	*70-115*			
Surrogate Dibromofluoromethane	*4 68*		"	*5 00*		*94*	*70-120*			
Surrogate Toluene-d8	*4 52*		"	*5 00*		*90*	*75-115*			
Matrix Spike (6E11026-MS1)		**Source: MPE0188-48**		Prepared: 05/11/06 Analyzed: 05/12/06						
tert-Amyl methyl ether	8 42	5 0	ug/kg	10 0	0 13	83	70-130			
tert-Butyl alcohol	193	20	"	200	ND	96	70-120			
Di-isopropyl ether	8 95	5 0	"	10 0	ND	90	65-135			
1,2-Dibromoethane (EDB)	8 78	5 0	"	10 0	ND	88	85-135			
1,2-Dichloroethane	8 92	5 0	"	10 0	ND	89	65-145			
Ethanol	37 1	100	"	200	ND	19	15-150			
Ethyl tert-butyl ether	8 23	5 0	"	10 0	ND	82	70-130			
Methyl tert-butyl ether	8 42	5 0	"	10 0	ND	84	70-135			
Surrogate 1,2-Dichloroethane-d4	*4 47*		"	*5 00*		*89*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 84*		"	*5 00*		*97*	*70-115*			
Surrogate Dibromofluoromethane	*4 54*		"	*5 00*		*91*	*70-120*			
Surrogate Toluene-d8	*4 40*		"	*5 00*		*88*	*75-115*			
Matrix Spike Dup (6E11026-MSD1)		**Source: MPE0188-48**		Prepared: 05/11/06 Analyzed: 05/12/06						
tert-Amyl methyl ether	8 72	5 0	ug/kg	10 0	0 13	86	70-130	4	25	
tert-Butyl alcohol	193	20	"	200	ND	96	70-120	0	15	
Di-isopropyl ether	9 30	5 0	"	10 0	ND	93	65-135	4	15	
1,2-Dibromoethane (EDB)	8 90	5 0	"	10 0	ND	89	85-135	1	20	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E11026 - EPA 5035										
Matrix Spike Dup (6E11026-MSD1)	**Source: MPE0188-48**			Prepared: 05/11/06 Analyzed: 05/12/06						
1,2-Dichloroethane	9 13	5 0	ug/kg	10 0	ND	91	65-145	2	25	
Ethanol	69 0	100	"	200	ND	34	15-150	60	40	QC21
Ethyl tert-butyl ether	8 56	5 0	"	10 0	ND	86	70-130	4	15	
Methyl tert-butyl ether	8 75	5 0	"	10 0	ND	88	70-135	4	15	
Surrogate 1,2-Dichloroethane-d4	*4 62*		"	*5 00*		*92*	*55-135*			
Surrogate 4-Bromofluorobenzene	*4 75*		"	*5 00*		*95*	*70-115*			
Surrogate Dibromofluoromethane	*4 67*		"	*5 00*		*93*	*70-120*			
Surrogate Toluene-d8	*4 48*		"	*5 00*		*90*	*75-115*			
Batch 6E12009 - EPA 5030B/5035A MeOH										
Blank (6E12009-BLK1)				Prepared & Analyzed: 05/12/06						
tert-Amyl methyl ether	ND	0 0125	mg/kg							
tert-Butyl alcohol	ND	2 5	"							
Di-isopropyl ether	ND	0 0125	"							
1,2-Dibromoethane (EDB)	ND	0 0125	"							
1,2-Dichloroethane	ND	0 0125	"							
Ethanol	ND	5	"							
Ethyl tert-butyl ether	ND	0 0125	"							
Methyl tert-butyl ether	ND	0 0125	"							
Surrogate 1,2-Dichloroethane-d4	*0 00233*		"	*0 00250*		*93*	*55-135*			
LCS (6E12009-BS1)				Prepared: 05/12/06 Analyzed: 05/17/06						
tert-Amyl methyl ether	0 535	0 025	mg/kg	0 500		107	70-130			
tert-Butyl alcohol	10 7	5 0	"	10 0		107	70-120			
Di-isopropyl ether	0 542	0 025	"	0 500		108	65-135			
1,2-Dibromoethane (EDB)	0 588	0 025	"	0 500		118	85-135			
1,2-Dichloroethane	0 563	0 025	"	0 500		113	65-145			
Ethanol	11 3	10	"	10 0		113	15-150			
Ethyl tert-butyl ether	0 540	0 025	"	0 500		108	70-130			
Methyl tert-butyl ether	0 524	0 025	"	0 500		105	70-135			
Surrogate 1,2-Dichloroethane-d4	*0 00228*		"	*0 00250*		*91*	*55-135*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E12009 - EPA 5030B/5035A MeOH										
LCS (6E12009-BS1)				Prepared: 05/12/06 Analyzed: 05/17/06						
Surrogate 4-Bromofluorobenzene	*0 00248*		*mg/kg*	*0 00250*		*99*	*70-115*			
Surrogate Dibromofluoromethane	*0 00228*		"	*0 00250*		*91*	*70-120*			
Surrogate Toluene-d8	*0 00222*		"	*0 00250*		*89*	*75-115*			
LCS (6E12009-BS2)				Prepared & Analyzed: 05/12/06						
tert-Amyl methyl ether	0 643	0 025	mg/kg	0 612		105	70-130			
tert-Butyl alcohol	6 15	5 0	"	6 33		97	70-120			
Di-isopropyl ether	0 503	0 025	"	0 609		83	65-135			
1,2-Dibromoethane (EDB)	0 620	0 025	"	0 624		99	85-135			
1,2-Dichloroethane	0 526	0 025	"	0 582		90	65-145			
Ethanol	5 53	10	"	6 18		89	15-150			
Ethyl tert-butyl ether	0 624	0 025	"	0 615		101	70-130			
Methyl tert-butyl ether	0 295	0 025	"	0 294		100	70-135			
Surrogate 1,2-Dichloroethane-d4	*0 00239*		"	*0 00250*		*92*	*55-135*			
Surrogate 4-Bromofluorobenzene	*0 00248*		"	*0 00250*		*99*	*70-115*			
Surrogate Dibromofluoromethane	*0 00243*		"	*0 00250*		*97*	*70-120*			
Surrogate Toluene-d8	*0 00253*		"	*0 00250*		*101*	*75-115*			
LCS Dup (6E12009-BSD1)				Prepared: 05/12/06 Analyzed: 05/17/06						
tert-Amyl methyl ether	0 535	0 025	mg/kg	0 500		107	70-130	0	25	
tert-Butyl alcohol	11 6	5 0	"	10 0		116	70-120	8	15	
Di-isopropyl ether	0 530	0 025	"	0 500		106	65-135	2	15	
1,2-Dibromoethane (EDB)	0 574	0 025	"	0 500		115	85-135	2	20	
1,2-Dichloroethane	0 541	0 025	"	0 500		108	65-145	4	25	
Ethanol	11 8	10	"	10 0		118	15-150	4	40	
Ethyl tert-butyl ether	0 532	0 025	"	0 500		106	70-130	1	15	
Methyl tert-butyl ether	0 541	0 025	"	0 500		108	70-135	3	15	
Surrogate 1,2-Dichloroethane-d4	*0 00231*		"	*0 00250*		*92*	*55-135*			
Surrogate 4-Bromofluorobenzene	*0 00245*		"	*0 00250*		*98*	*70-115*			
Surrogate Dibromofluoromethane	*0 00225*		"	*0 00250*		*90*	*70-120*			
Surrogate Toluene-d8	*0 00219*		"	*0 00250*		*88*	*75-115*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6E12009 - EPA 5030B/5035A MeOH										
LCS Dup (6E12009-BSD2)				Prepared & Analyzed: 05/12/06						
tert-Amyl methyl ether	0 641	0 025	mg/kg	0 612		105	70-130	0 3	25	
tert-Butyl alcohol	6 13	5 0	"	6 33		97	70-120	0 3	15	
Di-isopropyl ether	0 495	0 025	"	0 609		81	65-135	2	15	
1,2-Dibromoethane (EDB)	0 620	0 025	"	0 624		99	85-135	0	20	
1,2-Dichloroethane	0 523	0 025	"	0 582		90	65-145	0 6	25	
Ethanol	5 66	10	"	6 18		92	15-150	2	40	
Ethyl tert-butyl ether	0 614	0 025	"	0 615		100	70-130	2	15	
Methyl tert-butyl ether	0 294	0 025	"	0 294		100	70-135	0 3	15	
Surrogate 1,2-Dichloroethane-d4	*0 00229*		"	*0 00250*		*92*	*55-135*			
Surrogate 4-Bromofluorobenzene	*0 00257*		"	*0 00250*		*103*	*70-115*			
Surrogate Dibromofluoromethane	*0 00240*		"	*0 00250*		*96*	*70-120*			
Surrogate Toluene-d8	*0 00252*		"	*0 00250*		*101*	*75-115*			

Sequoia Analytical

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MPE0188
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Sherris Prall	05/25/06 14:00

Notes and Definitions

S05	The surrogate recovery for this sample is below control limits due to interference from the sample matrix.
S04	The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
S01	The surrogate recovery was above control limits.
QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery
QM01	The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QC21	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QC20	The RPD was outside control limits.
HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel
CF1	Primary and confirmation results varied by greater than 40% RPD.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: SHERRIS PRALL
Project #: TM4121 TASK 3
Consultant Telephone Number: (925) 602-4710 EXT. 20
Fax No.: (925) 602-4720
Sampler Name: (Print) TRACY JOB
Sampler Signature:

TA Account #: 10236
Invoice To: (ExxonMobil PM unless otherwise indicate)
Report To: eticlabreports@eticeng.com
PO #: 4506877068
Facility ID # 7-4121
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

MPE0188

	Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Porosity ASTM D854	Moisture ASTM D2216	HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days	Fax Results (yes or no)	Due Date of Report
01	SB16, 5-5.5'	5/2/06	1220	1																X		X	X	X					10			
02	SB16, 10-10.5'		1230	1																X		X	X	X								
03	SB16, 20-20.5'		1250	1																X		X	X	X								
04	SB16, 24.5-25'		1255	1																X		X	X	X								
05	SB17, 5.5-6'		0855	1																X		X	X	X								
06	SB17, 10-10.5'		0900	1																X		X	X	X								
07	SB17, 15-15.5'		0905	1																X		X	X	X								
08	SB17, 19.5-20'		0915	1																X		X	X	X								
09	SB17, 24.5-25'		0930	1																X		X	X	X								
10	SB16, 15-15.5	✓	1240	1																X		X	X	X					✓			

Special Instructions: GLOBAL ID# T0600120383 EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Relinquished by:	Date	Time	Received by:	Date	Time
	5/3/06	1450		5/3/06	1475
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	5/3/06	1915		5/3/06	1915

Laboratory Comments:
Temperature Upon Receipt: 5.4 C
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N N/A

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - If yes, please a pre-schedule w/ TestAmerica Project Manager or attach specifc instructions

C:\DOCUME~1\ddm\LOCALS~1\Temp\7-4121 TA COC

125

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: SHERRIS PRALL
Project #: TM4121 TASK 3
Consultant Telephone Number: (925) 602-4710 EXT. 20
Fax No.: (925) 602-4720
Sampler Name: (Print) TRACY JOB
Sampler Signature:

TA Account #: 10236
Invoice To: (ExxonMobil PM unless otherwise indicate)
Report To: eticlabreports@eticeng.com
PO #: 4506877068
Facility ID # 7-4121
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

MPE0188

	Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Porosity ASTM D854	Moisture ASTM D2216				HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
11	SB19, 5-5.5'	5/2/6	1505	1																X		X	X	X										
12	SB19, 10-10.5'		1520	1																X		X	X	X										
13	SB19, 15-15.5		1540	1																X		X	X	X										
14	SB19, 20-20.5		1550	1																X		X	X	X										
15	SB19, 24.5-25'		1615	1																X		X	X	X										
16	SB20, 5.5-6'		1020	1																X		X	X	X										
17	SB20, 10-10.5'		1025	1																X		X	X	X										
18	SB20, 15-15.5		1040	1																X		X	X	X										
19	SB20, 19.5-20		1045	1																X		X	X	X										
20	SB20, 23.5-24'	✓	1050	1																X		X	X	X										

Special Instructions:

GLOBAL ID# T0600120383

EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Relinquished by:	Date	Time	Received by:	Date	Time
	5/3/6	1450		5/3/06	1415
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	5/3/06	1915		5/3/06	1915

Laboratory Comments:
Temperature Upon Receipt: 5.6
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N N/A

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please a pre-schedule w/ TestAmerica
Project Manager or attach specifc instructions

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: SHERRIS PRALL
Project #: TM4121 TASK 3
Consultant Telephone Number: (925) 602-4710 EXT. 20
Fax No.: (925) 602-4720
Sampler Name: (Print)
Sampler Signature:

TA Account #: 10236
Invoice To: (ExxonMobil PM unless otherwise indicate)
Report To: eticlabreports@eticeng.com
PO #: 4506877068
Facility ID # 7-4121
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

MPE0188

Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Porosity ASTM D854	Moisture ASTM D2216	HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
SB21, 8-8.5'	5/2/06	1245	1																X		X	X	X					10		
SB21, 13-13.5'	"	1255	1																X		X	X	X							
SB21, 18-18.5'	"	1300	1																X		X	X	X							
SB21, 19.5-20'	"	1310	1																X		X	X	X							
SB21, 23-23.5'	"	1313	1																X		X	X	X							
SB21, 24.5-25'	"	1330	1																X		X	X	X							
SB18, 5-5.5'	5/3/06	0805	1																X		X	X	X							
SB18, 10-10.5'	"	0810	1																X		X	X	X							
SB18, 15-15.5'	"	0815	1																X		X	X	X							
SB18, 19.5-20'	"	0825	1																X		X	X	X							

Special Instructions:

GLOBAL ID# T0600120383

EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Relinquished by:	Date	Time	Received by:	Date	Time
	5/3/06	1450		5/3/06	1415
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	5/3/06	1915		5/3/06	1915

Laboratory Comments:
Temperature Upon Receipt: 5.6 C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N N/A

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please a pre-schedule w/ TestAmerica Project Manager or attach specifc instructions

...OCUME~1\tb00\LOCALS~1\Temp\7-4121 TA COC

3 of 5

TestAmerica INCORPORATED

Morgan Hill Division
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Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: SHERRIS PRALL
Project #: TM4121 TASK 3
Consultant Telephone Number: (925) 602-4710 EXT. 20
Fax No.: (925) 602-4720
Sampler Name: (Print) TRACY JOB
Sampler Signature:

TA Account #: 10236
Invoice To: (ExxonMobil PM unless otherwise indicate)
Report To: eticlabreports@eticeng.com
PO #: 4506877068
Facility ID # 7-4121
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

MPE0188

	Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Porosity ASTM D854	Moisture ASTM D2216	HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
31	SB18, 24.5-25'	5/3/16	0840	1																X		X	X	X					72			
32	V3, 9.5-10'		0945	1																X		X	X	X								
33	V5, 5-5.5'		1005	1																X		X	X	X								
34	V5, 7.5-8'		1010	1																X		X	X	X								
35	V4, 5-5.5'		1050	1																X		X	X	X								
36	V4, 7.5-8'		1045	1																X		X	X	X								
37	V8, 5-5.5'		1040	1																X		X	X	X								
38	V8, 7.5-8'		1035	1																X		X	X	X								

Special Instructions:

GLOBAL ID# T0600120383

EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Relinquished by:	Date	Time	Received by:	Date	Time
	5/3/16	1450		5/3/16	1415
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	5/3/16	1915		5/3/16	1915

Laboratory Comments:
Temperature Upon Receipt: 5.6 C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N N/A

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - If yes, please a pre-schedule w/ TestAmerica
Project Manager or attach specific instructions

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
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Facility ID # 7-4121
Site Address 10605 FOOTHILL BOULEVARD
City, State, Zip OAKLAND, CA
Regulatory District (CA) ACHCSA

MPE0188

	Sample ID or Field ID	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	HNO_3 (Red Label)	None (Black Label)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8021B	TPH-D BY 8015B	OXYGENATES BY 8260B	Porosity ASTM D854	Moisture ASTM D2216				HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	Fax Results (yes or no)	Due Date of Report
39	SB21, 2.5 - 3'	05/2/6	1130	1																X					X	X						72		
40	SB14, 5 - 5.5'		0900	1																X		X	X	X										
41	SB14, 10 - 10.5'		0905	1																X		X	X	X										
42	SB14, 15 - 15.5'		0915	1																X		X	X	X										
43	SB14, 20 - 20.5'		0920	1																X		X	X	X										
44	SB14, 24.5 - 25'		0925	1																X		X	X	X										
45	SB15, 5 - 5.5'		1025	1																X		X	X	X										
46	SB15, 15 - 15.5		1120	1																X		X	X	X										
47	SB15, 20 - 20.5		1125	1																X		X	X	X										
48	SB15, 24.5 - 25	✓	1130	1																X		X	X	X										

Special Instructions: GLOBAL ID# T0600120383 EDF FILE REQUIRED

OXYGENATES INCLUDE MTBE, TBA, TAME, ETBE, DIPE, EDB, AND EDC.

Relinquished by:	Date	Time	Received by:	Date	Time
	5/3/06	1450		5/3/06	1415
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	5/3/06	1915		5/3/06	1915

Laboratory Comments:
Temperature Upon Receipt: 5.4 C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N N/A

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - If yes, please a pre-schedule w/ TestAmerica
Project Manager or attach specifc instructions

...DOCUME~1\tlobu\LOCALS~1\Temp\7-4121 TA COC

505

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ETIe
REC. BY (PRINT) CB
WORKORDER: MPE0188

DATE REC'D AT LAB: 5-3-06
TIME REC'D AT LAB: 1915
DATE LOGGED IN: 5/5/06

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERV ATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) (Present / Absent) Intact / Broken*									Plastic bags
2. Chain-of-Custody: (Present) / Absent*									
3. Traffic Reports or Packing List: Present / (Absent)									
4. Airbill: Airbill / Sticker (Present) / Absent									
5. Airbill #:									
6. Sample Labels: (Present) / Absent									
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No)*									
14. Read Temp: 5-6 C Corrected Temp: 5-1 C Is corrected temp 4 +/-2°C? (Yes) / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 7
Replaces Rev 6 (07/13/04)
Effective 07/19/05

Appendix K

USEPA Soil Gas Advanced Model Version 2004 Input-Output Data Sheets

RESIDENTIAL LAND USE INPUT-OUTPUT DATA SHEETS

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71432	1.10E+03			Benzene					CAS No. not found

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
15	244	10	244	0	0	C		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
3.0E-06	3.0E-02

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
108883	1.60E+02			Toluene					CAS No. not found

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
15	168	10	168	0	0	C		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	4.5E-04

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_a (µg/m³)	OR	ENTER Soil gas conc., C_a (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_a (µg/m³)	OR	ENTER Soil gas conc., C_a (ppmv)	Chemical
100414	5.40E+02			Ethylbenzene					CAS No. not found

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
15	213	10	213	0	0	C		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	4.4E-04

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (ug/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (ug/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
106423	4.10E+02			p-Xylene					CAS No. not found

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
15	213	10	213	0	0	C		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE

ENTER Enclosed space floor thickness, L_{slab} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	3.4E-03

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_t (ug/m³)	OR	ENTER Soil gas conc., C_a (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (ug/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
129000	6.60E+06			Pyrene					CAS No. not found

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
15	244	10	244	0	0	C		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	5.3E+01

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

MESSAGE: Risk/HQ or risk-based soil concentration is based on a route-to-route extrapolation.

SCROLL DOWN TO "END"

END

COMMERCIAL/INDUSTRIAL LAND USE INPUT-OUTPUT DATA SHEETS

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_{sg} (µg/m³)	OR	ENTER Soil gas conc., C_{sg} (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_{sg} (µg/m³)	OR	ENTER Soil gas conc., C_{sg} (ppmv)	Chemical
71432	1.10E+03			Benzene					CAS No. not found

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_{sg} (cm)	ENTER Average soil temperature, T_s (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
15	244	10	244	0	0	C		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1.8E-06	2.2E-02

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (ug/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (ug/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
108883	1.60E+02			Toluene					CAS No. not found

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
			Totals must add up to value of Ls (cell F24)					
15	168	10	168	0	0	C		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	3.2E-04

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
100414	5.40E+02			Ethylbenzene					CAS No. not found

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s (°C)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, h_B (cm)	ENTER Thickness of soil stratum C, h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
			Totals must add up to value of Ls (cell F24)					
15	213	10	213	0	0	C		

MORE

ENTER Stratum A SCS soil type	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
Lookup Soil Parameters				Lookup Soil Parameters				Lookup Soil Parameters			
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	3.1E-04

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

DATA ENTRY SHEET

SG-ADV
Version 3.1: 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (µg/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
106423	4.10E+02			p-Xylene					CAS No. not found

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
			Total's must add up to value of Ls (cell F24)					
15	213	10	213	0	0	C		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	2.4E-03

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (ug/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical	ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g (ug/m³)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
129000	8.60E+06			Pyrene					CAS No. not found

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_s (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm²)
15	244	10	244	0	0	C		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm³)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm³/cm³)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm³)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm³/cm³)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm³)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm³/cm³)
C	1.43	0.459	0.215	C	1.43	0.459	0.215	C	1.43	0.459	0.215

MORE

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP (g/cm-s²)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.25	5

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	25	25	250

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	3.8E+01

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

MESSAGE: Risk/HQ or risk-based soil concentration is based on a route-to-route extrapolation.

SCROLL DOWN TO "END"

END