RO - 386

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ExxonMobil
Refining & Supply

February 16, 2004

Ms. Eva Chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94501

Subject: Former Mobil Station 04-334, 2492 Castro Valley Boulevard, Castro Valley, California

Dear Ms. Chu:

Attached for your review and comment is a copy of the *Subsurface Investigation Report* dated February 2004 for the above-referenced site. The report was prepared by ETIC Engineering, Inc. of Pleasant Hill, California, in response to a request from the Alameda County Health Care Services Agency.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,

Gene N. Ortega
Project Manager

Attachment: ETIC Subsurface Investigation Report dated February 2004

c: w/attachment:
Ms. Paula Floeck – Jiffy Lube International
Mr. William Slautterback – Cal Lube Real Estate Limited Partnership

c: w/o attachment:
Mr. Bryan Campbell - ETIC Engineering, Inc.

RO. 386

ETIC ENGINEERING

Subsurface Investigation Report

Former Mobil Station 04-334
2492 Castro Valley Boulevard
Castro Valley, California

Prepared for

ExxonMobil Refining and Supply Company
25A Crescent Drive #407
Pleasant Hill, California 94523

Prepared by

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2/16/04

Bryan Campbell
Project Manager

Date

REGISTERED GEOLOGIST
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2/16/04

Mark C. Peterson, C.E.G. #2085
Senior Geologist

Date

February 2004

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Former Mobil Station 04-334

SITE CONTACTS

Station Number:	Former Mobil Station 04-334
Station Address:	2492 Castro Valley Boulevard Castro Valley, California
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ETIC Project Manager:	Bryan Campbell
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1. INTRODUCTION

This report summarizes the results of a subsurface investigation conducted for former Mobil Station 04-334, located at 2492 Castro Valley Boulevard, Castro Valley, California (Figures 1 and 2). At the request of ExxonMobil Refining and Supply Company (ExxonMobil), ETIC Engineering, Inc. (ETIC) performed the investigation to further investigate the extent of hydrocarbon impacts to groundwater onsite and offsite. This investigation was conducted as part of the Site Assessment Workplan dated 16 May 2003 (TRC 2003). Concurrence was received from the Alameda County Health Care Services Agency (ACHCSA) in a letter dated 12 September 2003, and an extension for the submission of this report was granted by the ACHCSA in correspondence dated 6 January 2004 (Appendix A).

Scope of Work

The investigation consisted of the following activities:

- On 12 and 13 November 2003, seven single-tube direct-push soil borings (SB1-SB7) were advanced to collect soil and groundwater samples.
- Soil samples were collected continuously to characterize subsurface lithology.
- Selected soil samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g), for Total Petroleum Hydrocarbons as diesel (TPH-d), for benzene, toluene, ethylbenzene, and xylenes (BTEX), and for methyl tertiary butyl ether (MTBE). Selected samples from boring SB2, which was located near a former used-oil tank, were also analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH).
- Groundwater samples were collected and analyzed for TPH-g, BTEX, and MTBE. The groundwater sample from boring SB2 was also analyzed for TRPH.

In accordance with the Site Assessment Workplan (TRC 2003), a file review was conducted at the ACHCSA for the two nearest Leaking Underground Storage Tank (LUST) sites. At the request of the ACHCSA, a conduit study for underground utilities was also completed . The conduit study was requested in the letter from the ACHCSA dated 12 September 2003 (Appendix A). The results of the file review and the conduit study are included in this report. Based on the results of the investigation and the file review, the locations of four groundwater monitoring wells are proposed in this report.

2. SITE BACKGROUND

2.1 SITE HISTORY, LOCATION, AND LAND USE

Former Mobil Station 04-334 is an active Jiffy Lube-branded oil change service business located at 2492 Castro Valley Boulevard, on the northwest corner of the intersection of Castro Valley Boulevard and Stanton Avenue (Figures 1 and 2). The site was previously operated as a service station by GP Petroleum from 1956 to 1969. In 1956, two 6,000-gallon underground storage tanks (USTs) and one used-oil UST were installed. The service station was operated by Mobil Oil from 1969 to 1983. An 8,000-gallon UST was installed in 1971. In 1983, the three fuel USTs and one used-oil UST were removed from the site.

The site lies in a predominantly commercial district. To the east, across Stanton Avenue, is a Tosco 76 Service Station which is a former Thrifty Oil station. The former Thrifty Oil site is an active LUST site under the jurisdiction of the ACHCSA. The former Thrifty Oil site has 12 groundwater monitoring wells, including one well (RS9) which is located adjacent to the east side of the former Mobil site. To the west of the former Mobil site is a Big-O Tire business and to the south across Castro Valley Boulevard is a Wendy's Restaurant. To the southeast of the site is the Castro Valley Lumber Co. business. To the north is a residential area.

The site is situated near the base of the northwest trending foothills separating Castro Valley from Hayward. The site is located at an elevation of approximately 200 feet above mean sea level.

2.2 PREVIOUS SITE INVESTIGATIONS

In 1983, three fuel USTs and one used-oil UST were removed from the site. Soil samples were collected for geotechnical and physical properties analysis to determine compaction specifications for backfill of the tank cavity. Petroleum hydrocarbon odor was not noted during backfilling of the tank cavity (Judd Hall and Associates 1983).

In 1986, a geotechnical assessment was conducted by Giles Engineering Associates, Inc. on behalf of California Lubricants Ltd. Six soil borings were advanced onsite and sampled. Slight to moderate petroleum hydrocarbon odor was noted from 3 feet to 8.6 feet below ground surface (bgs) while drilling in the backfill and former tank cavity (Alisto 1994). No soil samples were submitted for analysis during this assessment.

In March 1999, TRC advanced five direct-push borings (AB1 through AB5) to total depths ranging between 16 and 20 feet bgs. Selected soil and groundwater samples were analyzed for TPH-g, TPH-d, BTEX, and MTBE. Selected soil and groundwater samples collected from AB2, located near the former used-oil tank, were also analyzed for oil and grease and halogenated volatile organic compounds (HVOCs). Soil samples from AB2 were further analyzed for CAM-17 metals.

- For the soil samples, maximum concentrations of 2,600 milligrams per kilogram (mg/kg) TPH-g, 700 mg/kg TPH-d, and 3.4 mg/kg benzene were detected in AB4 (10-11 feet bgs). A maximum concentration of 8 mg/kg MTBE by EPA Method 8021 was detected in AB4 (10-11 feet bgs); however, the result for the confirmation sample analyzed by EPA Method 8260B was below the laboratory reporting limits.

- For the groundwater samples, maximum concentrations of 4,300 micrograms per liter (µg/L) TPH-g and 210 µg/L benzene were detected in AB3. A maximum concentration of 5,500 µg/L TPH-d was detected in AB4. MTBE was not detected in any groundwater sample above the laboratory reporting limits.

Soil sample analytical results are summarized in Table 1. Groundwater sample analytical results are summarized in Table 2.

2.3 AGENCY FILE REVIEW

In accordance with the Site Assessment Workplan (TRC 2003), a file review was conducted at the ACHCSA on 7 November 2003 for the two nearest LUST sites. The file review was conducted prior to the performance of the subsurface investigation. The review was conducted to provide an update of the environmental conditions for the selected properties.

Files for the following two nearby properties were reviewed:

- Former Thrifty Oil site located at 2504 Castro Valley Boulevard (currently a Tosco 76 Service Station).
- Unocal site located at 2445 Castro Valley Boulevard.

Background information for these sites is summarized in the Request for No Further Action Status by Alisto (Alisto 1997).

The former Thrifty Oil site is located across Stanton Avenue to the east of the site. A total of 12 groundwater monitoring wells are located onsite and offsite. A copy of the most recent groundwater monitoring report for the site (Thrifty Oil 2003) is provided in Appendix B.

The Unocal site is located approximately 200 feet southwest of the former Mobil site on the southeast corner of the intersection of Castro Valley Boulevard and Strobridge Avenue. This site received regulatory case closure in May 1993. No new information regarding this site was found during the file review.

2.4 REGIONAL GEOLOGY AND HYDROGEOLOGY

The former Mobil site is underlain by Quaternary-age alluvium. Mapped bedrock outcrops adjacent to the site include the Panoche Formation, which is described as a conglomerate with a sandstone matrix, and the Knoxville Formation, which is described as a micaceous shale with thin beds of sandstone (Alton 1997). The site is located in the Castro Valley Groundwater Basin, which is a 4-square mile basin that is drained by the San Lorenzo Creek (DWR 1975).

The nearest surface water body to the site is the South Reservoir, located approximately 2,300 feet southeast of the site. San Lorenzo Creek is located approximately 3,500 feet southwest of the site.

2.5 LOCAL GEOLOGY

The geology and hydrogeology of the site have been evaluated using existing boring logs from previous site investigations. The majority of the native soil types encountered during drilling consist of silts and clays to at least 20 feet bgs, the maximum explored depth. Relatively minor lenses of silty sand and silty gravel have been encountered within the major soil types with a thickness of no more than 4 feet beneath the site.

2.6 LOCAL HYDROGEOLOGY

The Third Quarter 2003 Status Report for the Thrifty Oil site (Thrifty Oil 2003) indicates that the depth to groundwater, measured on 4 September 2003, ranges between 4.21 and 7.85 feet. The groundwater elevation data indicate a groundwater gradient of 0.0636 feet per foot toward the southeast. The groundwater gradient is shown on Figure 3.

3. SUBSURFACE INVESTIGATION

ETIC observed the installation of seven direct-push borings, SB1 through SB7, on 12 and 13 November 2003. Prior to drilling, a drilling permit was obtained from the Alameda County Public Works Agency (ACPWA) and an encroachment permit was obtained from the ACPWA. Drilling onsite was completed under an existing site access agreement, and the drilling was coordinated with representatives of the Jiffy Lube business at the site. Copies of the permits are provided in Appendix C. The locations of SB1 through SB7 are shown on Figure 2.

3.1 DRILLING OF SOIL BORINGS AND SOIL SAMPLE COLLECTION

Soil borings SB1-SB7 were installed on 12 and 13 November 2003 by Vironex of San Leandro, California (C57 License #705327), using the single-tube direct-push method. The borings were completed to depths ranging from 15 to 20 feet bgs with the exception of boring SB4, which was terminated at a depth of 2 feet bgs. Prior to drilling, the boring locations were cleared to ensure that there were no obstructions near the potential path of the direct-push rods. Borings SB1 through SB3 and SB7 were cleared to a depth of 5 feet bgs using a hand auger, and borings SB5 and SB6 were cleared to a depth of 8 feet bgs using the vacuum clearing method. Boring SB4 was cleared to a depth of 2 feet bgs and was terminated when water, which appeared to be water trapped just below the asphalt and not groundwater, began to enter the boring. The borings were continuously logged from the base of the cleared hole to the total depth, and selected soil samples were collected from each boring for laboratory analysis. Single-tube boring installation and sampling protocols are summarized in Appendix D.

Soil samples were collected in polyethylene terephthalate glycol liners. The samples were examined for soil characteristics and screened in the field with an organic vapor analyzer (OVA) to determine the relative hydrocarbon content. The soils are described and the OVA readings are shown on the soil boring logs presented in Appendix E. Selected soil samples were sealed with Teflon tape, capped, labeled, and placed in a cooler filled with ice for delivery to TestAmerica, Inc. in Nashville, Tennessee, a certified laboratory, for chemical analysis. Standard chain-of-custody procedures were followed. Soil sample collection protocols are described in Appendix D.

Upon removal of sampling equipment, each boring was grouted with a cement grout containing less than 5 percent pure sodium bentonite.

3.2 GROUNDWATER SAMPLE COLLECTION

Groundwater sampling for borings SB1 through SB3 and SB5 through SB7 was attempted for the first encountered groundwater. Groundwater sampling was not attempted for boring SB4 since the water which entered the boring appeared to be water trapped just below the asphalt and not groundwater.

To collect first encountered groundwater samples, the casing was driven to the anticipated depth of first groundwater, the soil sample barrel and rods were removed, and groundwater was allowed to enter the boring. In borings SB3, SB5, and SB6 groundwater entered the borings the same day they were installed and a groundwater sample was collected. Due to the relatively low permeability of the soils, borings SB1 and SB2 were sealed at the surface and allowed to recharge overnight. This

procedure is similar to the one used during the previous subsurface investigation at the site (TRC 1999). After one day, groundwater entered boring SB2 and a groundwater sample was collected. No groundwater entered boring SB1 and no further attempts were made to collect a groundwater sample from the boring. Boring SB7 was advanced near SB1 as a second attempt to collect a first encountered groundwater sample in that area. No groundwater immediately entered the boring. Since no saturated soils were immediately apparent in boring SB7, no more attempts were made to collect a groundwater sample.

Once groundwater entered a boring, a temporary ¾-inch 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. The samples were poured into 1-liter amber bottles and 40-ml glass volatile organic analysis vials, which were labeled and placed in an ice-filled cooler for delivery to TestAmerica, Inc. in Nashville, Tennessee, a certified laboratory, for chemical analysis. Standard chain-of-custody procedures were followed. Groundwater sample collection protocols are described in Appendix D.

3.3 WASTE CONTAINMENT AND DISPOSAL

All soil cuttings were placed in one 55-gallon drum and temporarily stored at the site. One soil sample was collected from the cuttings and analyzed for TPH-g, BTEX, and total lead to determine appropriate disposal. A copy of the laboratory analytical report is included in Appendix F. The soil will be removed from the site and transported to an ExxonMobil-approved facility.

Rinsate water accumulated during drilling activities was collected in four 55-gallon drums, labeled, and temporarily stored onsite. The rinsate water will be removed from the site and transported to an ExxonMobil-approved treatment facility.

4. RESULTS

4.1 SITE GEOLOGY AND HYDROGEOLOGY

The site geology has been evaluated using data collected during this investigation and previous investigations. The soil encountered during drilling is characteristic of that observed in other borings at the site and vicinity as described in Section 2.5.

The majority of the native soils encountered during drilling generally consist of silt, clayey silt, clay, and silty clay down to at least 20 feet bgs, the maximum explored depth. Relatively minor lenses of silty sand and silty gravel were also encountered. Previous investigations indicated that these lenses were no more than 4 feet thick (TRC 1999); however, a layer of sand with a thickness of 6 feet was encountered in boring SB3 at a depth ranging from 9 to 15 feet bgs. Detailed soil descriptions are presented on the boring logs in Appendix E. A cross-section is presented in Figures 3 and 4.

During drilling, first water was encountered in boring SB3 at 9 feet bgs, in boring SB5 at 12 feet bgs, and in boring SB6 at 12 feet bgs. A depth to water after the groundwater was allowed some time to enter the boring was measured in boring SB2 at 14 feet bgs, in boring SB3 at 5.8 feet bgs, and in boring SB5 at 5.3 feet bgs. The determination of static water is difficult due to the relatively low permeability of the native soils.

4.2 SOIL SAMPLE ANALYTICAL METHODS AND RESULTS

Selected soil samples were submitted to TestAmerica, Inc. in Nashville, Tennessee, and analyzed for TPH-g and TPH-d by EPA Method 8015B, BTEX by EPA Method 8021B, and MTBE by EPA Method 8260B. Samples from boring SB2, which was located near a former used-oil tank, were also analyzed for TRPH by EPA Method 418.1M. Analytical results are summarized in Table 1 and on Figure 5. The laboratory analytical reports and chain-of-custody documentation for soil samples are included in Appendix F.

- Benzene was detected at maximum concentrations of 2.67 mg/kg in SB3 (10.5-11 feet bgs), at 0.0051 mg/kg in SB1 (17.5-18 feet bgs), at 0.0039 mg/kg in SB5 (11.5-12 feet bgs), at 0.0028 mg/kg in SB6 (11-11.5 feet bgs), and at 0.0013 mg/kg in SB2 (10-10.5 feet bgs). Benzene was not detected in SB7.
- TPH-g was detected at maximum concentrations of 1,960 mg/kg in SB3 (10.5-11 feet bgs) and at 14.2 mg/kg in SB5 (11.5-12 feet bgs). TPH-g was not detected in samples from any other borings.
- TPH-d was detected at a maximum concentration of 876 mg/kg in SB3 (10.5-11 feet bgs). TPH-d was not detected in samples from any other borings.
- TRPH was detected at a maximum concentration of 47.4 mg/kg in SB2 (5.5-6 feet). Samples from other borings were not analyzed for TRPH.
- MTBE was not detected at concentrations above laboratory reporting limits in any of the soil samples.

4.3 GROUNDWATER SAMPLE ANALYTICAL METHODS AND RESULTS

Groundwater samples were submitted to TestAmerica, Inc. in Nashville, Tennessee, and analyzed for TPH-g and TPH-d by EPA Method 8015B, BTEX by EPA Method 8021B, and MTBE by EPA Method 8260B. Samples from boring SB2, which was located near a former used-oil tank, were also analyzed for TRPH by EPA Method 418.1M. Analytical results are summarized in Table 2 and on Figure 6. The laboratory analytical reports and chain-of-custody documentation for groundwater samples are included in Appendix F.

- Benzene was detected at a concentration of 1,170 µg/L in SB3, at 6.30 µg/L in SB5, and at 1.90 µg/L in SB6. Benzene was not detected in SB2.
- TPH-g was detected at a concentration of 46,700 µg/L in SB3, at 1,650 µg/L in SB6, and at 760 in SB5. TPH-g was not detected in SB2.
- TPH-d was detected at a concentration of 13,400 µg/L in SB3, at 816 µg/L in SB6, at 173 µg/L in SB5, and at 127 µg/L in SB2.
- TRPH was not detected above the laboratory reporting limit in SB2. Samples from other borings were not analyzed for TRPH.
- MTBE was detected at a concentration of 2.1 µg/L in SB2. MTBE was not detected in samples from any other borings.

5. CONDUIT STUDY (UNDERGROUND UTILITIES)

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 12 September 2003 (Appendix A). Information regarding the utilities in the area of the intersection of Castro Valley Boulevard, Stanton Avenue, and Northridge Avenue was obtained and these utilities are shown on Figure 7.

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 includes electric lines, gas lines, storm drains, sanitary sewers, and water pipe lines. 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 about the locations of these lines was shown on maps obtained from the Alameda County Flood Control District (ACFCD). The ACFCD was contacted for information regarding the depths of storm drain lines. The ACFCD indicated that the depth of storm drains are not listed on their maps and that information about the depths is not readily available. On 5 February 2004, ETIC observed a storm drain drop-inlet location near the site. The depths of the bottom of the drop-inlet vault box and the bottom of the storm drain line entering the vault box were measured at 48 inches. However, the drop-inlet vault is likely at a higher elevation than deeper collection pipes.

- Sanitary Sewers: Information about the locations of these lines was shown on maps obtained from the Castro Valley Sanitary District (CVSD). According to the CVSD, the measurements listed on their maps are the depths of the invert of the sewer lines below ground surface. The maps indicate that the depth of the sewer line in Castro Valley Boulevard is 5.6 feet bgs at the western part of the line near the intersection of Strobridge Avenue, and it is 9.5 feet bgs at the middle of the intersection of Stanton Avenue.

- Water Pipe Lines: Information about the locations of these lines was shown on the maps obtained from the East Bay Municipal Utility District (EBMUD). The maps did not indicate the depths of the lines near the site. According to the EBMUD, the typical depths of lines in Castro Valley are 36 inches to 42 inches deep; however, EBMUD could not provide the exact depths of the lines near the site.

Information from the Third Quarter 2003 Status Report for the Thrifty Oil site (Thrifty Oil 2003) indicates that the depth to groundwater, measured on 4 September 2003, ranges between 4.21 feet and 7.85 feet. Although the offsite utilities near the site may intersect the depth of static groundwater, information from the current and previous investigations indicates that saturation of the relatively low permeability soils offsite is not encountered above approximately 10 feet bgs.

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. Information was also obtained from representatives of the Jiffy Lube business at the site, which is owned by Shell Lubricants. Information from visits to the site indicates that a subgrade basement is located beneath the building at the site for use by the Jiffy Lube business. The basement is approximately 10 feet deep and contains a sump and a sump pump. The sump is apparently used to collect subgrade water from outside the basement walls and floor, and the sump pump is used to pump this water out of the basement. According to a map provided by Shell Lubricants, the sump pump is connected to a drain line which terminates at the curb on the east side of the property. It is unclear if the sump pump is removing water from the unsaturated or saturated zone (groundwater) beneath the site. The removal of groundwater at the site could affect the monitoring and sampling results of any future groundwater monitoring wells.

6. SUMMARY AND PROPOSED WORK

Seven soil borings (SB1-SB7) were installed for former Mobil Station 04-334, located at 2492 Castro Valley Boulevard, Castro Valley, California. The investigation was conducted to further investigate the extent of hydrocarbon impacts to groundwater onsite and offsite.

The majority of the native soils encountered during drilling generally consist of silts and clays to at least 20 feet bgs, the maximum explored depth. Relatively minor lenses of silty sand and silty gravel were also encountered. Previous investigations indicated that these lenses were no more than 4 feet thick; however, a layer of sand with a thickness of 6 feet was encountered in boring SB3 at a depth ranging from 9 to 15 feet bgs.

During drilling, first water was encountered in boring SB3 at 9 feet bgs, in boring SB5 at 12 feet bgs, and in boring SB6 at 12 feet bgs. A depth to water after the groundwater was allowed some time to enter the boring was measured in boring SB2 at 14 feet, in boring SB3 at 5.8 feet bgs, and in boring SB5 at 5.3 feet. The determination of static water is difficult due to the relatively low permeability of the native soils.

The soil borings were continuously logged and completed to depths ranging from 15 to 20 feet bgs with the exception of boring SB4, which was completed to a depth of 2 feet bgs. Selected soil samples and groundwater samples were analyzed for TPH-g, TPH-d, BTEX, and MTBE. Selected soil samples and a groundwater sample from boring SB2, which was located near a former used-oil tank, were also analyzed for TRPH.

In the soil samples, the maximum concentration of benzene, TPH-g, TPH-d, and TRPH were detected in SB3 (10.5-11 feet bgs) at 2.67 mg/kg, 1,960 mg/kg, and 876 mg/kg, respectively. MTBE was not detected at concentrations above laboratory reporting limits in any of the soil samples.

In the groundwater samples, the maximum concentration of benzene, TPH-g, and TPH-d were detected in SB3 at 1,170 µg/L, 46,700 µg/L, and 13,400 µg/L, respectively. MTBE was detected at a maximum concentration of 2.1 µg/L in SB2. TRPH was not detected above the laboratory reporting limits.

A file review was conducted at the ACHCSA for the two nearest LUST sites prior to the performance of the subsurface investigation. At the request of the ACHCSA, a conduit study for underground utilities was also completed. The results of the file review and the conduit study are included in this report.

Proposed Groundwater Monitoring Wells

Due to the presence of dissolved-phase hydrocarbons in groundwater samples from the onsite and offsite borings, four groundwater monitoring wells are proposed for the next phase of the investigation. The installation of these wells was previously proposed in the Site Assessment Workplan (TRC 2003). In accordance with the work plan, the locations of the wells proposed in this report were based on the results of the agency file review and the subsurface investigation detailed in this report. For the purpose of selecting the proposed well locations, the anticipated groundwater

flow direction is based on the most recent groundwater flow direction for the former Thrifty Oil site (Thrifty Oil 2003).

The following groundwater monitoring wells are proposed:

- One onsite well is proposed upgradient of the former pump islands and the former USTs.
- One onsite well is proposed downgradient of the former used-oil UST and near the former pump islands.
- One onsite well is proposed downgradient of the former USTs.
- One offsite well is proposed downgradient of the site on the northwest corner of the intersection of Castro Valley Boulevard and Northridge Avenue.

The locations of the proposed wells are shown on Figure 6. The locations may be moved based on site conditions, access issues, and subsurface obstructions or conditions.

The proposed groundwater monitoring wells will be screened to allow groundwater to infiltrate from the first water bearing zone. Based on the occurrence of groundwater onsite and in the vicinity, the screened intervals of the wells will be approximately 5 to 20 feet bgs. The final determination of the screened intervals will be made based on the subsurface lithology encountered at each location.

The new wells would be incorporated into a quarterly groundwater monitoring program for the site. The well installations will be scheduled as soon as approval is received from the ACHCSA, an offsite access agreement is obtained, and permits are obtained.

REFERENCES

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TRC (TRC Alton Geoscience). 1999. Initial Site Assessment Report, Former Mobil Station 04-334, 2492 Castro Valley Boulevard, Castro Valley, California. TRC, Concord, California. 3 September.

TRC. 2003. Site Assessment Workplan, Former Mobil Station 04-334, 2492 Castro Valley Boulevard, Castro Valley, California. TRC, Concord, California. 16 May.

(Map Source: USGS Topography Map)

ETIC ENGINEERING	SITE LOCATION AND TOPOGRAPHY MAP FORMER MOBIL STATION 04-334 2492 CASTRO VALLEY BOULEVARD CASTRO VALLEY, CALIFORNIA	FIGURE: 1

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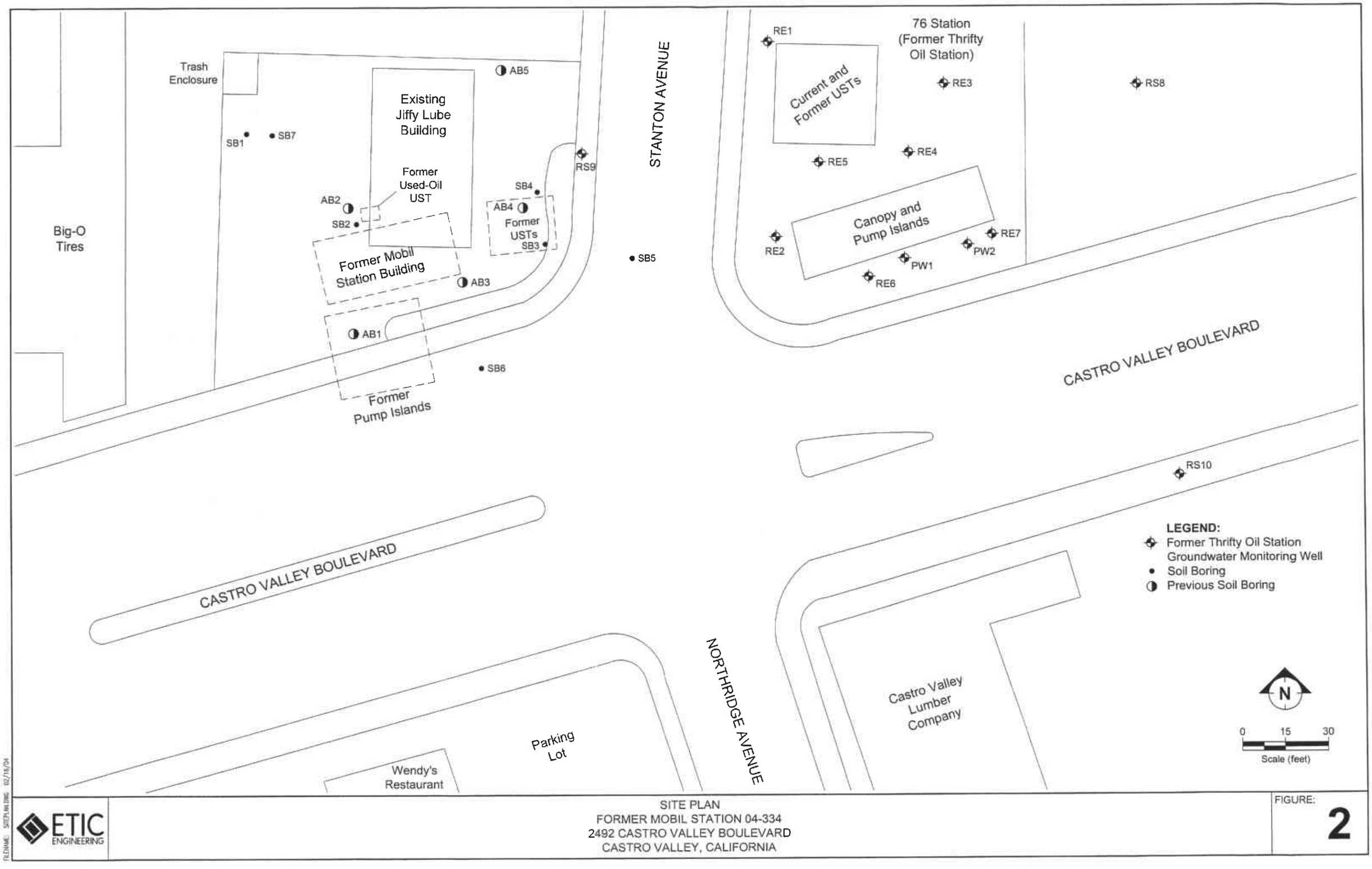

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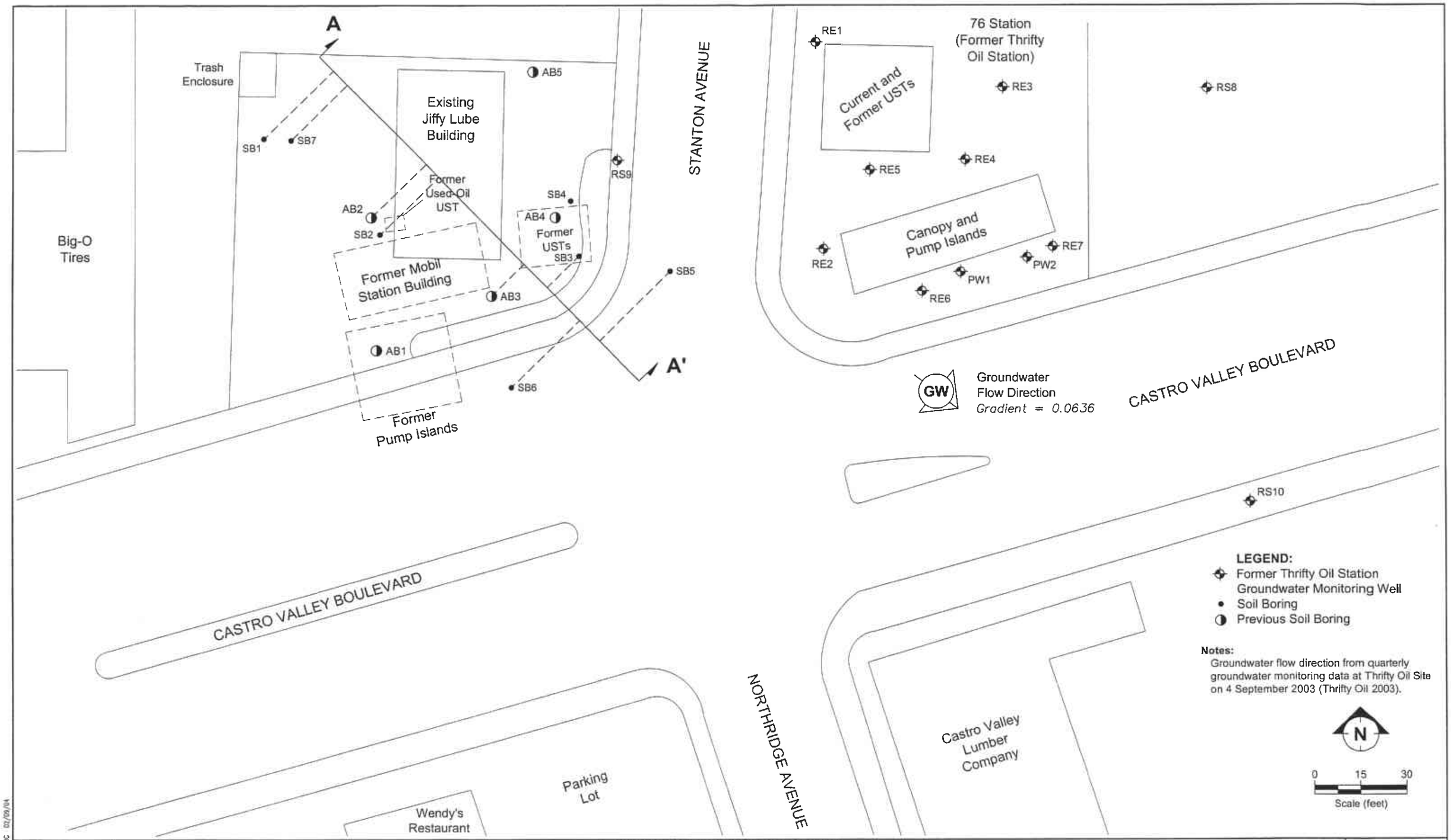
SITE PLAN
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

FIGURE:
2



FILENAME: SITEPLAN.DWG 02/09/04

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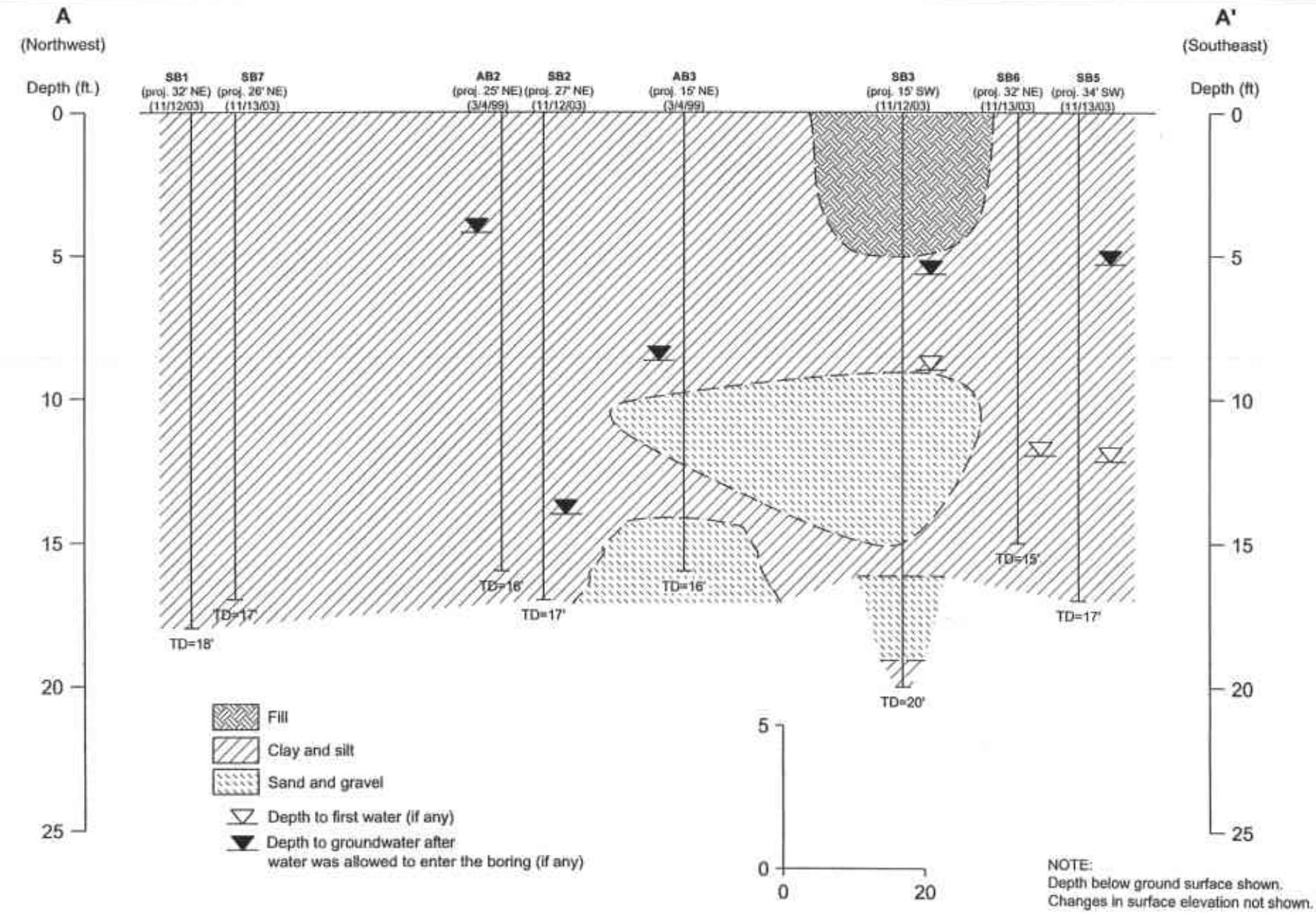
SITE PLAN SHOWING GEOLOGIC CROSS-SECTION LOCATION
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

FIGURE: 3



FILENAME: SECTION A-A' DWG 02/02/04

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GEOLOGIC CROSS SECTION A-A'
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

FIGURE: 4

SB7	11/13/03			
Depth	Benzene	TPH-g	TPH-d	MTBE*
6.5-7	<0.001	<4.98	<10.1	<0.002
9-9.5	<0.001	<5.07	<10	<0.002
16-16.5	<0.001	<4.97	<9.65	<0.002

AB2	03/04/99			
Depth	Benzene	TPH-g	TPH-d	MTBE
4-5	ND	ND	ND	ND
10-11	ND	ND	ND	ND
15-16	ND	ND	ND	ND

AB5	03/04/99			
Depth	Benzene	TPH-g	TPH-d	MTBE
4-5	ND	ND	ND	ND
10-11	ND	ND	ND	ND
15-16	ND	ND	ND	ND

SB1	11/12/03			
Depth	Benzene	TPH-g	TPH-d	MTBE*
5.5-6	<0.001	<5.05	<9.88	<0.002
11-11.5	**0.002**	<4.88	<10.1	<0.002
14.5-15	**0.0027**	<4.98	<10.1	<0.002
17.5-18	**0.0051**	<5.06	<10	<0.002

AB4	03/04/99				
Depth	Benzene	TPH-g	TPH-d	MTBE	MTBE*
4-5	0.2	**1,100**	**100**	ND	--
10-11	3.4	**2,600**	**700**	**8**	ND
15-16	0.005	**2.8**	ND	ND	--

SB5	11/13/03			
Depth	Benzene	TPH-g	TPH-d	MTBE*
8.5-9	<0.001	<4.95	<9.84	<0.002
11.5-12	**0.0039**	**14.2**	<10.1	<0.002
15.5-16	<0.001	<5.02	<10.1	<0.002
16.5-17	**0.0014**	<5.03	<10.2	<0.002

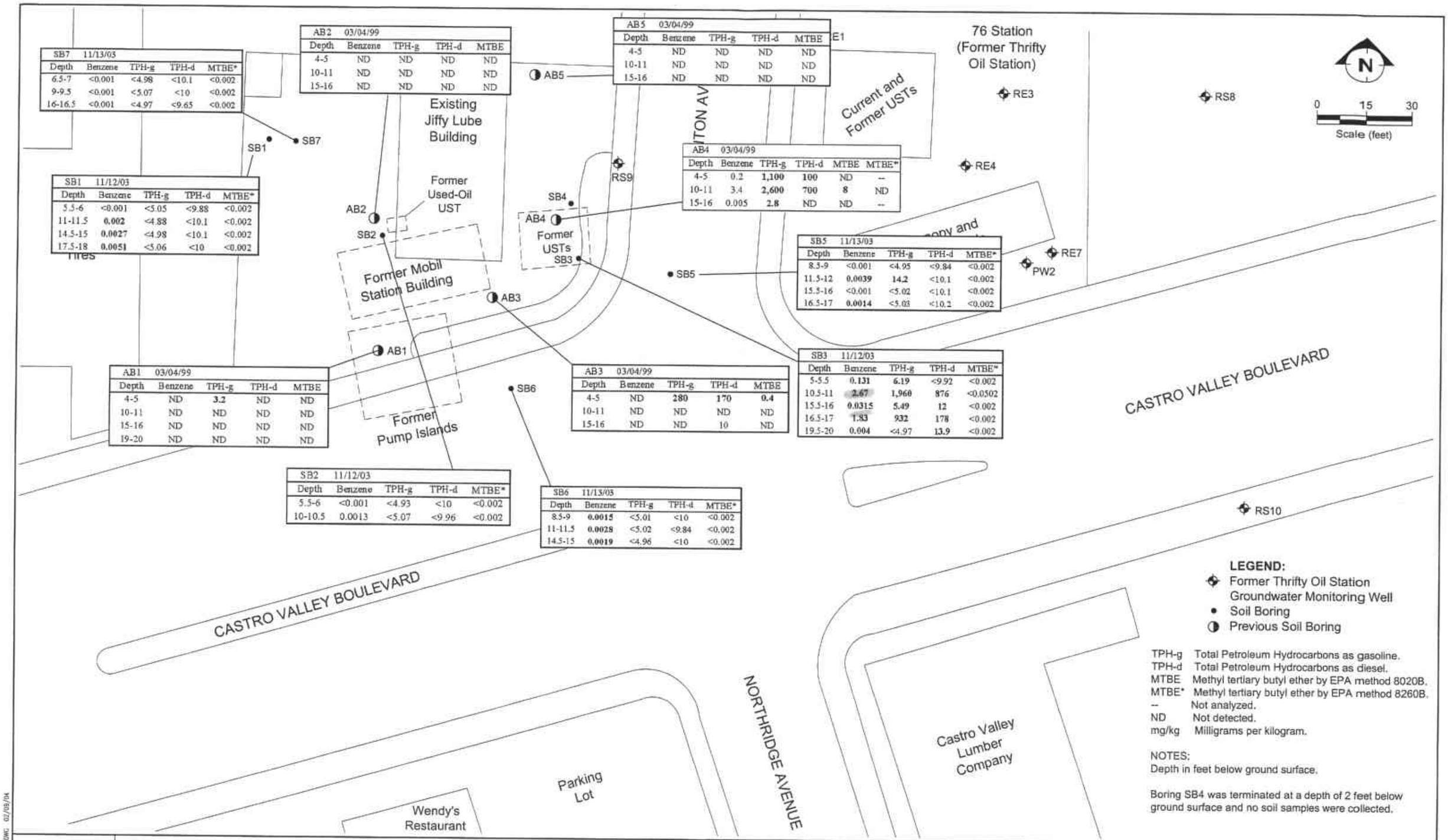
AB1	03/04/99			
Depth	Benzene	TPH-g	TPH-d	MTBE
4-5	ND	**3.2**	ND	ND
10-11	ND	ND	ND	ND
15-16	ND	ND	ND	ND
19-20	ND	ND	ND	ND

AB3	03/04/99			
Depth	Benzene	TPH-g	TPH-d	MTBE
4-5	ND	**280**	**170**	**0.4**
10-11	ND	ND	ND	ND
15-16	ND	ND	10	ND

SB3	11/12/03			
Depth	Benzene	TPH-g	TPH-d	MTBE*
5-5.5	**0.131**	**6.19**	<9.92	<0.002
10.5-11	**2.67**	**1,960**	**876**	<0.0502
15.5-16	**0.0315**	**5.49**	**12**	<0.002
16.5-17	**1.83**	**932**	**178**	<0.002
19.5-20	**0.004**	<4.97	**13.9**	<0.002

SB2	11/12/03			
Depth	Benzene	TPH-g	TPH-d	MTBE*
5.5-6	<0.001	<4.93	<10	<0.002
10-10.5	0.0013	<5.07	<9.96	<0.002

SB6	11/13/03			
Depth	Benzene	TPH-g	TPH-d	MTBE*
8.5-9	**0.0015**	<5.01	<10	<0.002
11-11.5	**0.0028**	<5.02	<9.84	<0.002
14.5-15	**0.0019**	<4.96	<10	<0.002



LEGEND:

- Former Thrifty Oil Station Groundwater Monitoring Well
- Soil Boring
- Previous Soil Boring

TPH-g Total Petroleum Hydrocarbons as gasoline.
TPH-d Total Petroleum Hydrocarbons as diesel.
MTBE Methyl tertiary butyl ether by EPA method 8020B.
MTBE* Methyl tertiary butyl ether by EPA method 8260B.
-- Not analyzed.
ND Not detected.
mg/kg Milligrams per kilogram.

NOTES;
Depth in feet below ground surface.

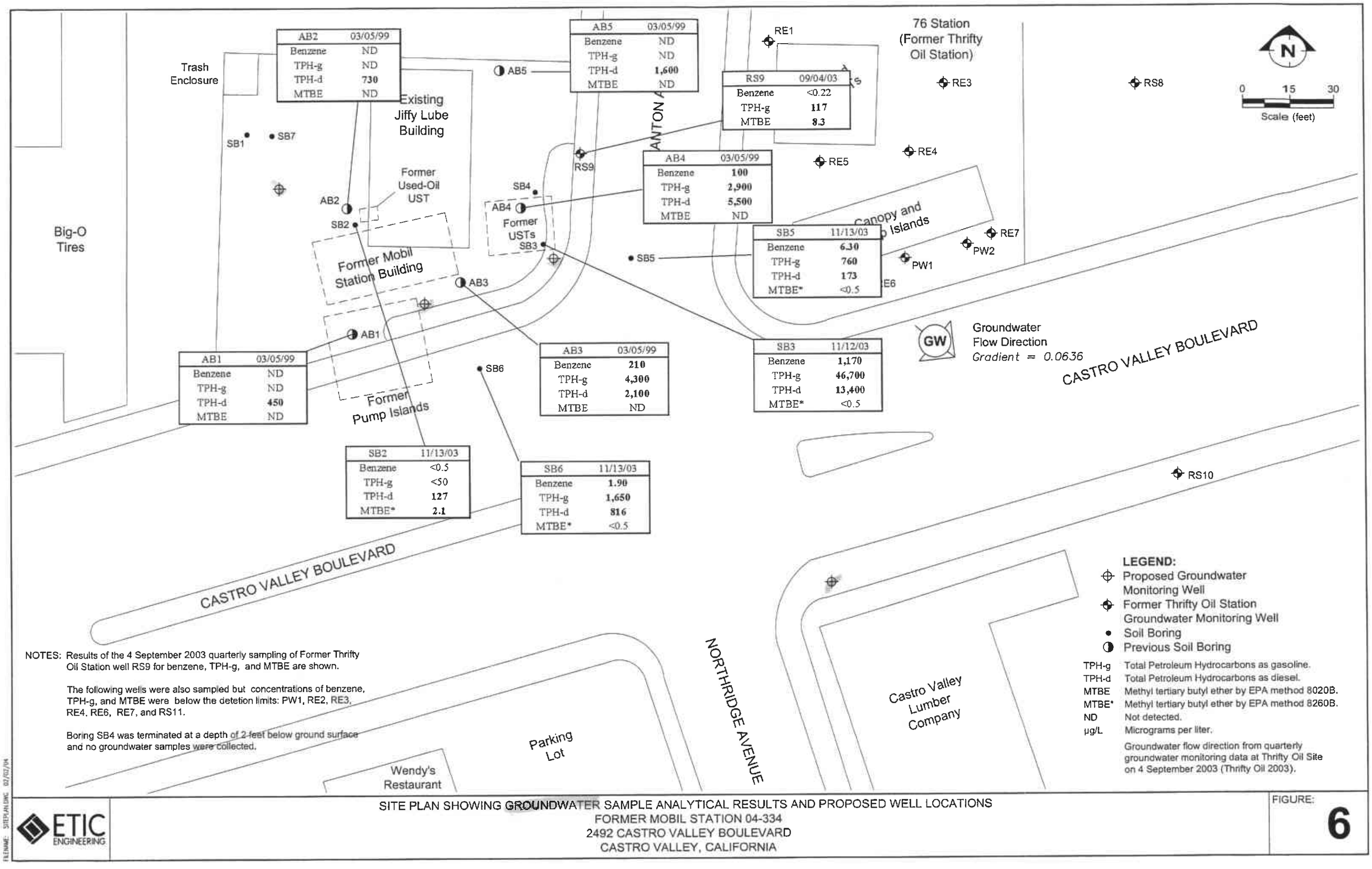
Boring SB4 was terminated at a depth of 2 feet below ground surface and no soil samples were collected.

FILENAME: SITEPLAN.DWG 02/08/04

ETIC ENGINEERING

SITE PLAN SHOWING SOIL SAMPLE ANALYTICAL RESULTS
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

FIGURE: **5**



NOTES: Results of the 4 September 2003 quarterly sampling of Former Thrifty Oil Station well RS9 for benzene, TPH-g, and MTBE are shown.

The following wells were also sampled but concentrations of benzene, TPH-g, and MTBE were below the detetion limits: PW1, RE2, RE3, RE4, RE6, RE7, and RS11.

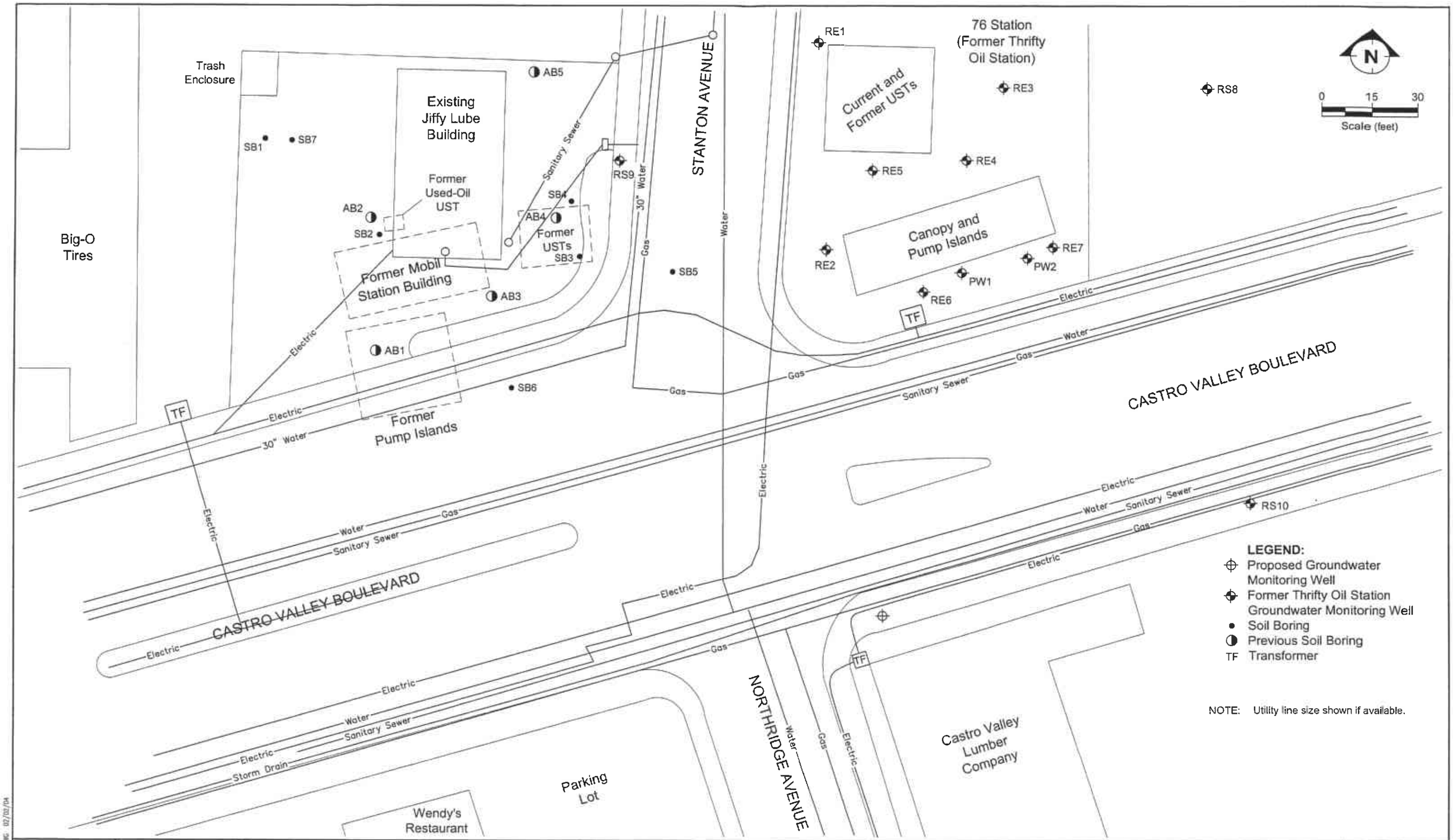
Boring SB4 was terminated at a depth of 2 feet below ground surface and no groundwater samples were collected.

ETIC ENGINEERING

SITE PLAN SHOWING GROUNDWATER SAMPLE ANALYTICAL RESULTS AND PROPOSED WELL LOCATIONS
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

FIGURE: 6

FILENAME: SITEPLAN.DWG 02/02/04



ETIC ENGINEERING

SITE PLAN SHOWING SUBSURFACE UTILITIES
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CALIFORNIA

FIGURE: 7

FILENAME: SITEPLAN.DWG 02/02/04

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS,
FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	TPH-g (mg/kg)	TPH-d (mg/kg)	MTBE (8021B) (mg/kg)	MTBE (8260B) (mg/kg)	TRPH (mg/kg)	CAM-17 (200.7) (mg/kg)	HVOC (8010) (mg/kg)
AB1	03/04/99	4-5	ND	ND	0.010	ND	3.2	ND	ND	--	--	--	--
AB1	03/04/99	10-11	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
AB1	03/04/99	15-16	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
AB1	03/04/99	19-20	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
AB2	03/04/99	4-5	ND	ND	ND	ND	ND	ND	ND	--	ND	*	ND
AB2	03/04/99	10-11	ND	ND	ND	ND	ND	ND	ND	--	13	*	ND
AB2	03/04/99	15-16	ND	ND	ND	ND	ND	ND	ND	--	ND	*	ND
AB3	03/04/99	4-5	ND	0.09	1.9	ND	280	170	0.4	--	--	--	--
AB3	03/04/99	10-11	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
AB3	03/04/99	15-16	ND	ND	ND	ND	ND	10	ND	--	--	--	--
AB4	03/04/99	4-5	0.2	ND	18	62	1,100	100	ND	--	--	--	--
AB4	03/04/99	10-11	3.4	18	38	170	2,600	700	8	ND	--	--	--
AB4	03/04/99	15-16	0.005	0.011	0.038	0.12	2.8	ND	ND	--	--	--	--
AB5	03/04/99	4-5	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
AB5	03/04/99	10-11	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
AB5	03/04/99	15-16	ND	ND	ND	ND	ND	ND	ND	--	--	--	--
SB1	**11/12/03**	**5.5-6**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<5.05**	**<9.88**	**--**	**<0.002**	**--**	**--**	**--**
SB1	**11/12/03**	**11-11.5**	**0.002**	**0.0022**	**<0.001**	**<0.001**	**<4.88**	**<10.1**	**--**	**<0.002**	**--**	**--**	**--**
SB1	**11/12/03**	**14.5-15**	**0.0027**	**0.0061**	**<0.001**	**0.0029**	**<4.98**	**<10.1**	**--**	**<0.002**	**--**	**--**	**--**
SB1	**11/12/03**	**17.5-18**	**0.0051**	**0.0112**	**0.0011**	**0.0039**	**<5.06**	**<10**	**--**	**<0.002**	**--**	**--**	**--**
SB2	**11/12/03**	**5.5-6**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<4.93**	**<10**	**--**	**<0.002**	**47.4**	**--**	**--**
SB2	**11/12/03**	**10-10.5**	**0.0013**	**0.0023**	**<0.001**	**0.0018**	**<5.07**	**<9.96**	**--**	**<0.002**	**30.3**	**--**	**--**
SB3	**11/12/03**	**5-5.5**	**0.131**	**0.0027**	**0.0456**	**0.0153**	**6.19**	**<9.92**	**--**	**<0.002**	**--**	**--**	**--**
SB3	**11/12/03**	**10.5-11**	**2.67**	**0.782**	**19.6**	**32**	**1,960**	**876**	**--**	**<0.0502**	**--**	**--**	**--**
SB3	**11/12/03**	**15.5-16**	**0.0315**	**0.0043**	**0.0593**	**0.09**	**5.49**	**12**	**--**	**<0.002**	**--**	**--**	**--**
SB3	**11/12/03**	**16.5-17**	**1.83**	**0.529**	**8.13**	**14.8**	**932**	**178**	**--**	**<0.002**	**--**	**--**	**--**
SB3	**11/12/03**	**19.5-20**	**0.004**	**0.0042**	**0.0017**	**0.0037**	**<4.97**	**13.9**	**--**	**<0.002**	**--**	**--**	**--**
SB4	**11/12/03**	**Boring terminated at 2 feet bgs. No soil samples collected.**											
SB5	**11/13/03**	**8.5-9**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<4.95**	**<9.84**	**--**	**<0.002**	**--**	**--**	**--**
SB5	**11/13/03**	**11.5-12**	**0.0039**	**0.0174**	**0.0098**	**0.018**	**14.2**	**<10.1**	**--**	**<0.002**	**--**	**--**	**--**
SB5	**11/13/03**	**15.5-16**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<5.02**	**<10.1**	**--**	**<0.002**	**--**	**--**	**--**
SB5	**11/13/03**	**16.5-17**	**0.0014**	**<0.001**	**<0.001**	**<0.001**	**<5.03**	**<10.2**	**--**	**<0.002**	**--**	**--**	**--**
SB6	**11/13/03**	**8.5-9**	**0.0015**	**<0.001**	**0.0011**	**0.0014**	**<5.01**	**<10**	**--**	**<0.002**	**--**	**--**	**--**
SB6	**11/13/03**	**11-11.5**	**0.0028**	**0.0016**	**<0.001**	**<0.001**	**<5.02**	**<9.84**	**--**	**<0.002**	**--**	**--**	**--**
SB6	**11/13/03**	**14.5-15**	**0.0019**	**0.0012**	**<0.001**	**<0.001**	**<4.96**	**<10**	**--**	**<0.002**	**--**	**--**	**--**
SB7	**11/13/03**	**6.5-7**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<4.98**	**<10.1**	**--**	**<0.002**	**--**	**--**	**--**
SB7	**11/13/03**	**9-9.5**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<5.07**	**<10**	**--**	**<0.002**	**--**	**--**	**--**
SB7	**11/13/03**	**16-16.5**	**<0.001**	**0.0011**	**<0.001**	**<0.001**	**<4.97**	**<9.65**	**--**	**<0.002**	**--**	**--**	**--**

* TRC's Initial Site Assessment report, dated 3 September 1999, states "Results were below preliminary remediation goals for residential soils as required by the USEPA Region 9".

TPH-g Total Petroleum Hydrocarbons as gasoline.
TPH-d Total Petroleum Hydrocarbons as diesel.
TRPH Total Recoverable Petroleum Hydrocarbons.
MTBE Methyl tertiary butyl ether.
HVOC Halogenated Volatile Organic Compounds.
ND Not detected.
-- Not analyzed.

bgs Below ground surface.
mg/kg Milligrams per kilogram.

TABLE 2 GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR TEMPORARY BORINGS,
FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Sample ID	Date	Depth (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	TPH-g (µg/L)	TPH-d (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	TRPH (µg/L)	HVOC (8010) (µg/L)
AB1	03/05/99	8.7 [a]	ND	ND	ND	ND	ND	450	ND	--	--	--
AB2	03/05/99	4.2 [a]	ND	ND	0.8	ND	ND	730	ND	--	1.0	ND
AB3	03/05/99	8.3 [a]	210	7.5	660	34	4,300	2,100	ND	--	--	--
AB4	03/05/99	3.2 [a]	100	43	170	260	2,900	5,500	ND	--	--	--
AB5	03/05/99	9.65 [a]	ND	ND	1.9	ND	ND	1,600	ND	--	--	--
SB2	**11/13/03**	**2-17 [b]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**127**	**--**	**2.1**	**<100**	**--**
SB3	**11/12/03**	**0-12 [b]**	**1,170**	**65.0**	**1,780**	**2,240**	**46,700**	**13,400**	**--**	**<0.5**	**--**	**--**
SB4	**11/12/04**	**Boring terminated at 2 feet bgs. No groundwater samples were collected.**										
SB5	**11/13/03**	**0-12 [b]**	**6.30**	**2.6**	**2.8**	**1.4**	**760**	**173**	**--**	**<0.5**	**--**	**--**
SB6	**11/13/03**	**0-12 [b]**	**1.90**	**6.3**	**3.6**	**4.3**	**1,650**	**816**	**--**	**<0.5**	**--**	**--**

a Depth to water.
b Interval of screen placed in boring.

TPH-g Total Petroleum Hydrocarbons as gasoline.
TPH-d Total Petroleum Hydrocarbons as diesel.
TRPH Total Recoverable Petroleum Hydrocarbons.
MTBE Methyl t-butyl ether.
HVOC Halogenated Volatile Organic Compounds.
ND Not detected.
-- Not analyzed.

bgs Below ground surface.
µg/L Micrograms per liter.

Appendix A

Regulatory Correspondence

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

FILE COPY

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

RO0000386

September 12, 2003

Mr. Gene Ortega
Exxon Mobil
2300 Clayton Rd, Suite 1250
Concord, CA 94520

RE: Former Mobil Station 04-334 at 2492 Castro Valley Blvd, Castro Valley, CA

Dear Mr. Ortega:

I have completed review of TRC's June 2003 *Site Assessment Workplan* prepared for the above referenced site. TRC proposed a phased approach to assess contaminants in soil and groundwater beneath the site. The first phase includes the advancement of seven direct-push soil borings to approximate 20 feet bgs. Soil and groundwater data from this phase will be used to determine the optimum number, locations, and depths of monitoring wells. The workplan is acceptable with the following changes/additions:

- Based on the southeasterly groundwater flow direction at 2504 Castro Valley Blvd, the borehole proposed in the vicinity of the former dispenser island should be moved approximately 15 to 20 feet southeast (along Castro Valley Blvd).
- A Phase one report is due for review within 60 days upon completion of field work. This report should include geologic cross sections and a discussion on the reasoning for the proposed groundwater monitoring well locations and screen intervals. This report is due before phase two is implemented.
- A conduit survey should be performed to help determine placement of groundwater monitoring wells.

Phase one should be implemented within 60 days of the date of this letter, or by **November 17, 2003.** Please provide at least 72 hours advance notice of field activities. If you have any questions, I can be reached at (510) 567-6762 or by email at echu@co.alameda.ca.us.

eva chu
Sr Environmental Health Specialist

c: Donna Drogos, Supervisor LOP
Steve Kemnitz, TRC, 5052 Commercial Circle, Concord, CA 94520

mobile4-334-1

FILE COPY

From: "Chu, Eva, Env. Health" <eva.chu@acgov.org>
To: 'Bryan Campbell' <BCampbell@eticeng.com>
Date: 1/6/04 4:49PM
Subject: RE: 04-334: Additional time to complete report.

Extension granted to Feb 17, 2004.

-----Original Message-----
From: Bryan Campbell [mailto:BCampbell@eticeng.com]
Sent: Tuesday, January 06, 2004 3:31 PM
To: echu@co.alameda.ca.us
Subject: 04-334: Additional time to complete report.

Eva,

Per our conversation today, we would like to extend the due date of the Subsurface Investigation Report for Former Mobil Station 04-334 located at 2492 Castro Valley Boulevard in Castro Valley (see your letter dated 12 September 2003). This is the "Phase one report" mentioned in your letter. We would like additional time to compile information for the report. We would like to know if submission of the report on 17 February 2004 is acceptable.

Please let me know. Thank you.

****
Bryan Campbell
Geologist
ETIC Engineering, Inc.
2285 Morello Avenue, Pleasant Hill, CA 94523
Phone: 925-602-4710 ext. 24, Fax: 925-602-4720
bcampbell@eticeng.com
****

Appendix B

Thrifty Oil 2003 Groundwater Monitoring Report

THRIFTY OIL CO. FILE COPY

RO. 348

October 15, 2003

O.39512

Mr. Amer Gholami
Alameda County Health Care Agency
Hazardous Material Specialist
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Local #1252
RWQCB #01-1476
Global ID #T0600101363
Confirmation #4175032198

RE: **Former Thrifty Oil Co. Station #054**
TOSCO Station #2602486
2504 Castro Valley Boulevard
Castro Valley, CA
3rd Quarter 2003, Status Report

Dear Mr. Gholami:

Presented herein is the Third Quarter 2003, Status Report prepared for Former Thrifty Oil Co. (Thrifty) Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, California (**Figure 1**). This report presents the results of the groundwater monitoring activities conducted during the third quarter of 2003. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly groundwater monitoring and sampling activities at this site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well quarterly. Historic groundwater gauging data obtained from April 11, 1988 through September 4, 2003, is presented in **Table 1**. In general, groundwater occurs beneath the station at depths ranging from 4.21 feet below ground surface (bgs) in monitoring well RS-9 to 7.85 feet bgs in monitoring well RS-11 (**Appendix A**). A groundwater elevation contour map based on the September 4, 2003 data is presented in **Figure 1**. Groundwater elevation data indicates that the general direction of groundwater flow beneath the site is toward the southeast with a hydraulic gradient of approximately 0.0636 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater-monitoring program, groundwater samples were obtained from selected monitoring wells PW-1, RE-2, RE-3, RE-4, RE-6, RE-7, RS-9, and RS-11 on September 4, 2003. In a letter from the Alameda County Health Care Services (ACHCS) dated November 6, 2001, the ACHCS released Thrifty from collecting groundwater samples from wells PW-2, RE-1, RE-5, RS-8, and RS-10 until further notice.

Groundwater samples were obtained by EMC and delivered in a chilled state in an ice chest following strict Chain-of-Custody procedures to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M for gasoline and for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA Method 8021B. Copies of the EMC Field Status Reports are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPHg, BTEX, and MTBE concentrations appear in **Table 1**, and **Appendix B**. TPHg, benzene, and MTBE isoconcentration maps are presented in **Figures 2, 3**, and **4**, respectively. The highest laboratory analytical concentrations for TPHg and MTBE were found in monitoring well RS-9 (117 ug/L and 8.3 ug/L, respectively). Benzene concentrations were below the laboratory detection limit in all groundwater wells sampled. Thrifty again reiterates that well RS-9 is located up gradient of the Thrifty site, and contamination found in this well probably originated from an up gradient off-site source. TOSCO Marketing Company is the current operator of the service station, acquiring the lease from BP Oil, who previously leased the property beginning on July 10, 1991. **Due to the low TPHg, benzene, and MTBE concentrations in all monitoring wells, Thrifty respectfully requests your consideration for closure of Thrifty Station #054 located at 2504 Castro Valley Boulevard, Castro Valley, California.**

Other Activities

Thrifty has retained Morrow Surveying of West Sacramento, California, to resurvey the groundwater monitoring wells located on- and offsite.. The results of the survey will be provided in the 4th Quarter 2003 report.

Thrifty will continue the groundwater monitoring, gauging, and sampling events at this site on a quarterly basis. All interpretations expressed in this report are based solely upon the review of data collected by EMC and laboratory analyses by Associated Laboratories.

Respectfully submitted,

Michael H. Bowery, R.G.
Project Manager

Chris Panaitescu
General Manager
Environmental Affairs

TABLE

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #PW-1	*Screen Interval = 5 to 15 feet (Est.)*										
04/11/88	-	-	-	-	-	-	-	-	-	-	-
04/09/90	230,000	600	2,700	1,000	16,000	-	5.10	NP	0.00	166.46	161.36
10/30/90	35,000	240	970	240	3,580	-	6.17	NP	0.00	166.46	160.29
01/18/91	37,000	43	140	42	1,600	-	6.28	NP	0.00	166.46	160.18
02/12/91	45,000	99	130	25	700	-	5.88	NP	0.00	166.46	160.58
03/20/91	1,900	0.43	ND	ND	2.8	-	4.75	NP	0.00	166.46	161.71
05/22/91	41,000	600	730	250	3,800	-	5.10	NP	0.00	166.46	161.36
06/19/91	-	-	-	-	-	-	5.61	NP	0.00	166.46	160.85
07/17/91	-	-	-	-	-	-	5.53	FILM	0.00	166.46	160.93
08/07/91	-	-	-	-	-	-	5.67	FILM	0.00	166.46	160.79
09/24/91	-	-	-	-	-	-	5.57	FILM	0.00	166.46	160.89
10/23/91	-	-	-	-	-	-	6.53	FILM	0.00	166.46	159.93
11/06/91	-	-	-	-	-	-	5.85	FILM	0.00	166.46	160.61
12/04/91	-	-	-	-	-	-	5.91	FILM	0.00	166.46	160.55
01/29/92	-	-	-	-	-	-	5.43	FILM	0.00	166.46	161.03
02/26/92	-	-	-	-	-	-	5.54	FILM	0.00	166.46	160.92
03/19/92	ND	ND	ND	ND	ND	-	5.47	NP	0.00	166.46	160.99
04/22/92	-	-	-	-	-	-	5.62	FILM	0.00	166.46	160.84
05/21/92	1,300	19	2.9	0.7	58	-	6.21	NP	0.00	166.46	160.25
06/25/92	-	-	-	-	-	-	6.94	NP	0.00	166.46	159.52
07/30/92	-	-	-	-	-	-	5.90	FILM	0.00	166.46	160.56
08/20/92	-	-	-	-	-	-	7.12	FILM	0.00	166.46	159.34
09/30/92	3,400	57	ND	26	240	-	6.42	NP	0.00	166.46	160.04
12/23/92	-	-	-	-	-	-	5.56	FILM	0.00	166.46	160.90
03/10/93	-	-	-	-	-	-	5.65	FILM	0.00	166.46	160.81
06/09/93	400	<0.5	1.1	<1.0	<1.0	-	5.30	NP	0.00	166.46	161.16
09/14/93	180	3.7	3.2	1.5	14	-	5.43	NP	0.00	166.46	161.03
12/14/93	<50	<0.3	<0.3	<0.3	<0.5	-	4.65	NP	0.00	166.46	161.81
03/02/94	<50	<0.3	<0.3	<0.3	<0.5	-	5.43	NP	0.00	166.46	161.03
06/06/94	330	1.3	<0.3	0.88	9.8	-	4.70	NP	0.00	166.46	161.76
09/06/94	1,100	67	<0.3	<0.3	24	-	6.48	NP	0.00	166.46	159.98
12/07/94	<50	<0.3	<0.3	<0.5	<0.5	-	5.22	NP	0.00	166.46	161.24
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	6.94	NP	0.00	166.46	159.52
06/15/95	260	0.8	0.6	<0.5	3.2	-	5.72	NP	0.00	166.46	160.74

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	Ethylbenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	330	2.1	<0.5	2.1	9.6	-	5.96	NP	0.00	166.46	160.50
11/21/95	660	13	1.3	<0.3	4.0	-	6.04	NP	0.00	166.46	160.42
03/11/96	660	0.94	0.77	<0.3	8.1	-	3.60	NP	0.00	166.46	162.86
06/19/96	120	0.53	<0.3	<0.3	2.3	-	4.80	NP	0.00	166.46	161.66
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.10	NP	0.00	166.46	161.36
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	4.92	NP	0.00	166.46	161.54
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.50	NP	0.00	166.46	161.96
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/16/97	690	0.97	<0.3	<0.3	<0.5	<20	4.55	NP	0.00	166.46	161.91
12/09/97	640	150	0.64	<0.3	5.2	1,300	5.60	NP	0.00	166.46	160.86
03/03/98	<50	<0.3	0.57	<0.3	<0.5	<20	4.13	NP	0.00	166.46	162.33
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	6.35	NP	0.00	166.46	160.11
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	6.40	NP	0.00	166.46	160.06
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.35	NP	0.00	166.46	160.11
06/22/99	<50	<0.3	<0.3	<0.3	<0.5	53	4.95	NP	0.00	166.46	161.51
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.80	NP	0.00	166.46	161.66
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	3.64	NP	0.00	166.46	162.82
03/23/00	<50	0.5	0.5	1.1	<0.5	<5	4.03	NP	0.00	166.46	162.43
06/08/00	<50	<5	<5	<5	<5	<5	4.40	NP	0.00	166.46	162.06
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.73	NP	0.00	166.46	161.73
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.01	NP	0.00	166.46	162.45
03/22/01	600	<0.18	1.3	<0.18	<0.26	*1,010 / 1,970	6.32	NP	0.00	166.46	160.14
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.32	NP	0.00	166.46	160.14
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.32	NP	0.00	166.46	160.14
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.02	NP	0.00	166.46	160.44
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.30	NP	0.00	166.46	160.16
06/12/02	1,320	1	1	<0.18	2	2,060	6.30	NP	0.00	166.46	160.16
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.06	NP	0.00	166.46	159.40
12/18/02	113	<0.18	1.1	<0.18	<0.26	89	6.30	NP	0.00	166.46	160.16
03/19/03	<15	<0.04	2.2	<0.02	2.7	<0.03	6.35	NP	0.00	166.46	160.11
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	6.35	NP	0.00	166.46	160.11
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.90	NP	0.00	166.46	160.56

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL PW-2	*Screen Interval = 5 to 15 feet (Est.)*										
04/11/88	-	-	-	-	-	-	-	-	-	-	-
04/09/90	600,000	1,300	11,000	4,600	4,300	-	5.81	NP	0.00	166.18	160.37
10/30/90	48,000	310	51	10	480	-	6.95	NP	0.00	166.18	159.23
01/18/91	86,000	230	1,400	350	8,300	-	6.92	NP	0.00	166.18	159.26
02/12/91	160,000	680	1,300	250	7,000	-	6.78	NP	0.00	166.18	159.40
03/20/91	17,000	34	50	ND	1,100	-	5.54	NP	0.00	166.18	160.64
05/22/91	14,000	57	2,100	500	8,200	-	6.07	NP	0.00	166.18	160.11
06/19/91	-	-	-	-	-	-	6.37	FILM	0.00	166.18	159.81
07/17/91	-	-	-	-	-	-	6.38	FILM	0.00	166.18	159.80
08/07/91	-	-	-	-	-	-	6.63	FILM	0.00	166.18	159.55
09/24/91	-	-	-	-	-	-	6.42	FILM	0.00	166.18	159.76
10/23/91	-	-	-	-	-	-	7.25	FILM	0.00	166.18	158.93
11/06/91	-	-	-	-	-	-	6.44	FILM	0.00	166.18	159.74
12/04/91	-	-	-	-	-	-	6.65	FILM	0.00	166.18	159.53
01/29/92	-	-	-	-	-	-	6.17	FILM	0.00	166.18	160.01
02/26/92	-	-	-	-	-	-	5.90	FILM	0.00	166.18	160.28
03/19/92	-	-	-	-	-	-	5.80	FILM	0.00	166.18	160.38
04/22/92	-	-	-	-	-	-	5.88	FILM	0.00	166.18	160.30
05/21/92	-	-	-	-	-	-	6.03	FILM	0.00	166.18	160.15
06/25/92	-	-	-	-	-	-	6.57	FILM	0.00	166.18	159.61
07/30/92	-	-	-	-	-	-	6.20	FILM	0.00	166.18	159.98
08/20/92	-	-	-	-	-	-	6.64	FILM	0.00	166.18	159.54
09/30/92	-	-	-	-	-	-	6.88	FILM	0.00	166.18	159.30
12/23/92	-	-	-	-	-	-	6.08	FILM	0.00	166.18	160.10
03/10/93	-	-	-	-	-	-	5.95	FILM	0.00	166.18	160.23
06/09/93	3,400	24	22	<0.5	240	-	5.38	NP	0.00	166.18	160.80
09/14/93	4,900	190	15	6.8	480	-	6.26	NP	0.00	166.18	159.92
12/14/93	1,700	4.2	<0.3	<0.3	<0.5	-	5.22	NP	0.00	166.18	160.96
03/02/94	-	-	-	-	-	-	5.75	FILM	0.00	166.18	160.43
06/06/94	980	35	1.2	<0.3	42	-	5.25	NP	0.00	166.18	160.93
09/06/94	3,200	95	3.0	<1.7	76	-	6.80	NP	0.00	166.18	159.38
12/07/94	510	1.8	<0.3	<0.5	1.7	-	5.57	NP	0.00	166.18	160.61
03/08/95	1,900	<0.5	<0.5	1.4	35	-	4.10	NP	0.00	166.18	162.08
06/15/95	1,700	5.6	<0.5	<0.5	1.6	-	5.44	NP	0.00	166.18	160.74

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	Ethylbenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	2,500	33	1.0	0.86	18	-	6.13	NP	0.00	166.18	160.05
11/21/95	2,800	130	59	18	190	-	6.23	NP	0.00	166.18	159.95
03/11/96	13,000	330	460	<15	3,800	-	4.48	NP	0.00	166.18	161.70
06/19/96	1,400	<0.3	<0.3	<0.3	<0.5	-	5.38	NP	0.00	166.18	160.80
09/16/96	3,500	<0.3	<0.3	<0.3	<0.5	5,900	5.21	NP	0.00	166.18	160.97
12/10/96	2,100	<0.3	<0.3	<0.3	<0.5	4,700	4.87	NP	0.00	166.18	161.31
03/12/97	600	1.6	<0.3	<0.3	5.8	1,100	4.43	NP	0.00	166.18	161.75
06/12/97	270	<0.3	<0.3	<0.3	<0.5	630	-	-	-	-	-
09/10/97	220	<0.3	<0.3	<0.3	<0.5	320	4.07	NP	0.00	166.18	162.11
12/09/97	120	<0.3	0.73	<0.3	<0.5	420	5.20	NP	0.00	166.18	160.98
03/03/98	<50	0.43	0.48	<0.3	<0.5	47	3.30	NP	0.00	166.18	162.88
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	5.15	NP	0.00	166.18	161.03
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	4.75	NP	0.00	166.18	161.43
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.40	NP	0.00	166.18	161.78
06/22/99	-	-	-	-	-	-	4.50	NP	0.00	166.18	161.68
09/08/99	100	<0.3	<0.3	<0.3	<0.5	230	3.99	NP	0.00	166.18	162.19
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	3.62	NP	0.00	166.18	162.56
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	2.93	NP	0.00	166.18	163.25
06/08/00	<50	<5	<5	<5	<5	<5	3.60	NP	0.00	166.18	162.58
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.61	NP	0.00	166.18	162.57
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.60	NP	0.00	166.18	162.58
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.14	NP	0.00	166.18	161.04
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.13	NP	0.00	166.18	161.05
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.90	NP	0.00	166.18	160.28
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.20	NP	0.00	166.18	159.98
03/13/02	-	-	-	-	-	-	5.14	NP	0.00	166.18	161.04
06/12/02	-	-	-	-	-	-	-	-	-	-	-
09/18/02	-	-	-	-	-	-	-	-	-	-	-
12/18/02	-	-	-	-	-	-	-	-	-	-	-
03/19/03	-	-	-	-	-	-	-	-	-	-	-
06/11/03	-	-	-	-	-	-	-	-	-	-	-
09/04/03	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-1				*Screen Interval = 5 to 17 feet*							
04/11/88	37,000	1,900	8,400	1,200	15,000	-	-	-	-	-	-
04/09/90	45,000	6,100	7,000	2,000	8,800	-	4.99	NP	0.00	166.82	161.83
10/30/90	72,000	7,700	5,300	1,800	8,900	-	5.95	NP	0.00	166.82	160.87
01/18/91	150,000	11,000	14,000	1,800	4,300	-	5.17	NP	0.00	166.82	161.65
02/12/91	140,000	11,000	12,000	1,600	13,000	-	4.16	NP	0.00	166.82	162.66
03/20/91	53,000	3,100	4,200	400	5,500	-	4.75	NP	0.00	166.82	162.07
05/22/91	85,000	8,700	10,000	1,800	12,000	-	4.42	NP	0.00	166.82	162.40
06/19/91	110,000	8,500	9,600	2,600	16,000	-	4.93	NP	0.00	166.82	161.89
07/17/91	5,500	950	ND	26	ND	-	5.19	NP	0.00	166.82	161.63
08/07/91	-	6,700	5,000	ND	7,100	-	5.12	NP	0.00	166.82	161.70
09/24/91	60,000	6,800	4,300	640	6,900	-	5.87	NP	0.00	166.82	160.95
10/23/91	79,000	7,900	8,300	450	7,100	-	5.81	NP	0.00	166.82	161.01
11/06/91	130,000	14,000	15,000	1,100	8,800	-	5.56	NP	0.00	166.82	161.26
12/04/91	50,000	8,000	4,700	520	4,100	-	5.35	NP	0.00	166.82	161.47
01/29/92	21,000	10,300	11,000	780	6,000	-	4.50	NP	0.00	166.82	162.32
02/26/92	38000	8,400	10,500	720	7,100	-	5.27	NP	0.00	166.82	161.55
03/19/92	48,000	6,200	9,700	780	7,200	-	4.47	NP	0.00	166.82	162.35
04/22/92	-	-	-	-	-	-	4.62	NP	0.00	166.82	162.20
05/21/92	20,000	7,600	10,100	830	6,900	-	4.98	NP	0.00	166.82	161.84
06/25/92	-	-	-	-	-	-	5.14	FILM	0.00	166.82	161.68
07/30/92	-	-	-	-	-	-	5.30	FILM	0.00	166.82	161.52
08/20/92	-	-	-	-	-	-	5.28	FILM	0.00	166.82	161.54
09/30/92	-	-	-	-	-	-	5.66	FILM	0.00	166.82	161.16
12/23/92	-	-	-	-	-	-	4.81	FILM	0.00	166.82	162.01
03/10/93	-	-	-	-	-	-	4.13	FILM	0.00	166.82	162.69
06/09/93	-	-	-	-	-	-	4.48	FILM	0.00	166.82	162.34
09/14/93	19,000	3,600	1,100	740	4,300	-	5.35	NP	0.00	166.82	161.47
12/14/93	38,000	4,300	1,300	<6.6	11	-	4.38	NP	0.00	166.82	162.44
03/02/94	-	-	-	-	-	-	4.22	FILM	0.00	166.82	162.60
06/06/94	-	-	-	-	-	-	2.16	FILM	0.00	166.82	164.66
09/06/94	74,000	3,300	3,900	1,200	6,100	-	5.00	NP	0.00	166.82	161.82
12/07/94	30,000	3,200	2,900	1,200	4,600	-	4.10	NP	0.00	166.82	162.72
03/08/95	28,000	4,200	2,300	810	7,800	-	3.92	NP	0.00	166.82	162.90
06/15/95	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	-	-	-	-	-	-	4.78	FILM	0.00	166.82	162.04
11/21/95	-	-	-	-	-	-	4.82	NP	0.00	166.82	162.00
03/11/96	270	2.4	6.0	4.5	19	-	3.32	NP	0.00	166.82	163.50
06/19/96	3,000	570	63	<1.5	400	-	4.20	NP	0.00	166.82	162.62
09/16/96	7,700	440	69	<1.5	680	230	4.68	NP	0.00	166.82	162.14
12/10/96	52	<0.3	<0.3	<0.3	<0.5	120	4.93	NP	0.00	166.82	161.89
03/12/97	8,700	180	5.4	40	1,100	130	4.10	NP	0.00	166.82	162.72
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	36	-	-	-	-	-
09/16/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.55	NP	0.00	166.82	162.27
12/09/97	<50	<0.3	0.44	<0.3	<0.5	<20	5.30	NP	0.00	166.82	161.52
03/03/98	1,100	13	0.51	<0.3	<0.5	220	4.55	NP	0.00	166.82	162.27
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	60	<0.3	<0.3	<0.3	<0.5	180	6.05	NP	0.00	166.82	160.77
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	5.65	NP	0.00	166.82	161.17
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	5.68	NP	0.00	166.82	161.14
06/22/99	880	14	0.98	<0.3	8.1	260	4.95	NP	0.00	166.82	161.87
09/08/99	72	<0.3	<0.3	<0.3	<0.5	120	4.46	NP	0.00	166.82	162.36
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.08	NP	0.00	166.82	162.74
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	3.68	NP	0.00	166.82	163.14
06/08/00	<50	<5	<5	<5	<5	<5	4.07	NP	0.00	166.82	162.75
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.07	NP	0.00	166.82	162.75
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.06	NP	0.00	166.82	162.76
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.22	NP	0.00	166.82	161.60
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.99	NP	0.00	166.82	160.83
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.84	NP	0.00	166.82	161.98
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.80	NP	0.00	166.82	162.02
03/13/02	-	-	-	-	-	-	5.18	NP	0.00	166.82	161.64
06/12/02	-	-	-	-	-	-	-	-	-	-	-
09/18/02	-	-	-	-	-	-	-	-	-	-	-
12/18/02	-	-	-	-	-	-	-	-	-	-	-
03/19/03	-	-	-	-	-	-	-	-	-	-	-
06/11/03	-	-	-	-	-	-	-	-	-	-	-
09/04/03	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	Ethylbenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-2	*Screen Interval = 5 to 17 feet*										
04/11/88	-	-	-	-	-	-	-	-	-	-	-
04/09/90	850	5.8	0.5	4.8	1.1	-	4.90	NP	0.00	167.19	162.29
10/30/90	440	2.8	0.91	13	3.14	-	5.34	NP	0.00	167.19	161.85
01/18/91	1,100	8.4	3.1	ND	10	-	4.90	NP	0.00	167.19	162.29
02/12/91	1,100	5.9	ND	1.77	ND	-	4.94	NP	0.00	167.19	162.25
03/20/91	550	4.3	ND	ND	ND	-	4.32	NP	0.00	167.19	162.87
05/22/91	1,000	5.3	3.6	4.4	8.9	-	4.43	NP	0.00	167.19	162.76
06/19/91	700	2.1	1.4	3.8	3.5	-	6.43	NP	0.00	167.19	160.76
07/17/91	880	12	8.0	4.3	28	-	4.75	NP	0.00	167.19	162.44
08/07/91	-	3.8	1.6	ND	ND	-	4.87	NP	0.00	167.19	162.32
09/24/91	670	7.2	7.1	ND	23	-	5.50	NP	0.00	167.19	161.69
10/23/91	2,700	52	60	22	130	-	5.63	NP	0.00	167.19	161.56
11/06/91	1,900	18	61	9.1	83	-	5.14	NP	0.00	167.19	162.05
12/04/91	1,100	26	47	4.3	42	-	5.26	NP	0.00	167.19	161.93
01/29/92	900	14	24	5.3	19	-	5.11	NP	0.00	167.19	162.08
02/26/92	500	3.4	3.5	2.7	2.7	-	4.31	NP	0.00	167.19	162.88
03/19/92	1,200	14	20	15	18	-	4.45	NP	0.00	167.19	162.74
04/22/92	200	ND	ND	ND	ND	-	4.78	NP	0.00	167.19	162.41
05/21/92	500	7.5	6.8	3.9	7.4	-	5.02	NP	0.00	167.19	162.17
06/25/92	ND	ND	0.9	0.7	ND	-	5.13	NP	0.00	167.19	162.06
07/30/92	500	7.7	8.6	3.2	1.7	-	5.19	NP	0.00	167.19	162.00
08/20/92	1,100	6.6	4.5	2.7	2.0	-	5.27	NP	0.00	167.19	161.92
09/30/92	500	5.4	2.4	1.8	4.5	-	5.45	NP	0.00	167.19	161.74
12/23/92	800	1.9	ND	ND	2.3	-	4.60	NP	0.00	167.19	162.59
03/10/93	1,200	ND	1.4	ND	2.1	-	4.18	NP	0.00	167.19	163.01
06/09/93	200	ND	ND	ND	ND	-	4.53	NP	0.00	167.19	162.66
09/17/93	360	1.6	1.1	3.2	8.9	-	5.26	NP	0.00	167.19	161.93
12/14/93	260	5.6	3.9	<0.3	21.0	-	2.75	NP	0.00	167.19	164.44
03/02/94	410	<0.3	<0.3	<0.3	<0.5	-	4.27	NP	0.00	167.19	162.92
06/06/94	760	4.6	<0.3	0.32	1.3	-	4.88	NP	0.00	167.19	162.31
09/06/94	1,300	43	45	8.9	69	-	5.16	NP	0.00	167.19	162.03
12/07/94	-	-	-	-	-	-	4.16	NP	0.00	167.19	163.03
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	3.96	NP	0.00	167.19	163.23
06/15/95	130	<0.5	<0.5	<0.5	<1	-	4.52	NP	0.00	167.19	162.67

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	210	<0.5	<0.5	<0.5	<1	-	4.76	NP	0.00	167.19	162.43
11/21/95	160	0.65	<0.3	0.35	0.95	-	4.83	NP	0.00	167.19	162.36
03/11/96	<50	<0.3	<0.3	<0.3	<0.5	-	3.36	NP	0.00	167.19	163.83
06/19/96	<50	<0.3	<0.3	<0.3	<0.5	-	4.68	NP	0.00	167.19	162.51
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.10	NP	0.00	167.19	162.09
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	4.47	NP	0.00	167.19	162.72
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.05	NP	0.00	167.19	163.14
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.08	NP	0.00	167.19	163.11
12/09/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.40	NP	0.00	167.19	162.79
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	<20	3.30	NP	0.00	167.19	163.89
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	15	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	4.93	NP	0.00	167.19	162.26
12/30/98	460	0.92	<0.3	<0.3	<0.5	1,400	4.20	NP	0.00	167.19	162.99
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.20	NP	0.00	167.19	162.99
06/22/99	2,900	7.4	<0.3	0.43	4.1	4,500	3.70	NP	0.00	167.19	163.49
09/08/99	1,400	<3	<3	<3	<5	3,200	3.96	NP	0.00	167.19	163.23
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	3.58	NP	0.00	167.19	163.61
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	3.19	NP	0.00	167.19	164.00
06/08/00	<50	<5	<5	<5	<5	<5	3.18	NP	0.00	167.19	164.01
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.58	NP	0.00	167.19	163.61
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	3.58	NP	0.00	167.19	163.61
03/22/01	575	<0.18	1.3	<0.18	<0.26	*950 / 2,070	4.33	NP	0.00	167.19	162.86
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.10	NP	0.00	167.19	162.09
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.86	NP	0.00	167.19	161.33
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.81	NP	0.00	167.19	162.38
03/13/02	-	-	-	-	-	-	4.33	NP	0.00	167.19	162.86
06/12/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.86	NP	0.00	167.19	161.33
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.86	NP	0.00	167.19	161.33
12/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.48	NP	0.00	167.19	161.71
03/19/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.86	NP	0.00	167.19	161.33
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.86	NP	0.00	167.19	161.33
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.48	NP	0.00	167.19	161.71

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-3				***Screen Interval = 5 to 18 feet***							
04/11/88	70,000	6,600	5,300	800	13,000	-	-	-	-	-	-
04/09/90	370,000	2,300	4,900	3,200	31,000	-	7.15	NP	0.00	167.39	160.24
10/30/90	13,000	860	660	220	2,210	-	7.84	NP	0.00	167.39	159.55
01/18/91	42,000	4,700	4,500	21	7,700	-	6.90	NP	0.00	167.39	160.49
02/12/91	72,000	3,600	4,500	ND	7,600	-	6.62	NP	0.00	167.39	160.77
03/20/91	65,000	2,400	9,400	50	9,800	-	5.87	NP	0.00	167.39	161.52
05/22/91	-	-	-	-	-	-	5.98	FILM	0.00	167.39	161.41
06/19/91	-	-	-	-	-	-	6.84	FILM	0.00	167.39	160.55
07/17/91	-	-	-	-	-	-	7.10	FILM	0.00	167.39	160.29
08/07/91	-	-	-	-	-	-	7.30	FILM	0.00	167.39	160.09
09/24/91	-	-	-	-	-	-	7.84	FILM	0.00	167.39	159.55
10/23/91	-	-	-	-	-	-	8.07	FILM	0.00	167.39	159.32
11/06/91	-	-	-	-	-	-	7.63	FILM	0.00	167.39	159.76
12/04/91	-	-	-	-	-	-	7.83	FILM	0.00	167.39	159.56
01/29/92	-	-	-	-	-	-	7.17	FILM	0.00	167.39	160.22
02/26/92	-	-	-	-	-	-	5.56	FILM	0.00	167.39	161.83
03/19/92	-	-	-	-	-	-	5.44	FILM	0.00	167.39	161.95
04/22/92	-	-	-	-	-	-	6.56	FILM	0.00	167.39	160.83
05/21/92	-	-	-	-	-	-	6.90	FILM	0.00	167.39	160.49
06/25/92	-	-	-	-	-	-	7.18	FILM	0.00	167.39	160.21
07/30/92	-	-	-	-	-	-	6.80	FILM	0.00	167.39	160.59
08/20/92	-	-	-	-	-	-	7.25	FILM	0.00	167.39	160.14
09/30/92	-	-	-	-	-	-	7.68	FILM	0.00	167.39	159.71
12/23/92	-	-	-	-	-	-	6.07	FILM	0.00	167.39	161.32
03/10/93	-	-	-	-	-	-	5.66	FILM	0.00	167.39	161.73
06/09/93	-	-	-	-	-	-	6.66	FILM	0.00	167.39	160.73
09/14/93	40,000	2,900	1,500	180	6,900	-	7.30	NP	0.00	167.39	160.09
12/14/93	-	-	-	-	-	-	5.95	NP	0.00	167.39	161.44
03/02/94	-	-	-	-	-	-	5.08	NP	0.00	167.39	162.31
06/06/94	-	-	-	-	-	-	6.35	FILM	0.00	167.39	161.04
09/06/94	11,000	260	26	<6.6	1,000	-	7.50	NP	0.00	167.39	159.89
12/07/94	-	-	-	-	-	-	5.48	FILM	0.00	167.39	161.91
03/08/95	-	-	-	-	-	-	5.18	FILM	0.00	167.39	162.21
06/15/95	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	-	-	-	-	-	-	6.84	FILM	0.00	167.39	160.55
11/21/95	10,000	210	<3	4.5	330	-	7.38	NP	0.00	167.39	160.01
03/11/96	1,600	640	15	10	46	-	4.85	NP	0.00	167.39	162.54
06/19/96	2,100	280	<3	<3	120	-	5.80	NP	0.00	167.39	161.59
09/16/96	140	<0.3	<0.3	<0.3	<0.5	110	4.50	NP	0.00	167.39	162.89
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.35	NP	0.00	167.39	162.04
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	3.48	NP	0.00	167.39	163.91
06/12/97	<50	<0.3	<0.3	<0.3	0.58	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	3.10	NP	0.00	167.39	164.29
12/09/97	3,600	1,000	1,000	<6	570	260	4.55	NP	0.00	167.39	162.84
03/03/98	2,800	20	0.65	0.39	16	5,600	2.30	NP	0.00	167.39	165.09
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	23	4.95	NP	0.00	167.39	162.44
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	4.55	NP	0.00	167.39	162.84
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.15	NP	0.00	167.39	163.24
06/22/99	670	17	1.2	0.36	1.7	340	3.85	NP	0.00	167.39	163.54
09/08/99	140	0.72	<0.3	<0.3	<0.5	230	2.63	NP	0.00	167.39	164.76
12/01/99	95	<0.3	<0.3	<0.3	<0.5	200	2.63	NP	0.00	167.39	164.76
03/23/00	315	<0.25	<0.25	<0.25	<0.5	*293/422	2.25	NP	0.00	167.39	165.14
06/08/00	<100	<5	<5	<5	<5	201	3.02	NP	0.00	167.39	164.37
09/27/00	154	<0.18	<0.14	<0.18	<0.26	*254 / 160	3.01	NP	0.00	167.39	164.38
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	*124 / 111	3.02	NP	0.00	167.39	164.37
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	*90 / 57	4.54	NP	0.00	167.39	162.85
06/15/01	649	28	2.4	3.1	9	*1,790 / 2,560	4.92	NP	0.00	167.39	162.47
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.80	NP	0.00	167.39	159.59
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.35	NP	0.00	167.39	160.04
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.53	NP	0.00	167.39	162.86
06/12/02	969	<0.18	1.0	<0.18	<0.26	1,430	4.90	NP	0.00	167.39	162.49
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.28	NP	0.00	167.39	162.11
12/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.52	NP	0.00	167.39	162.87
03/19/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.67	NP	0.00	167.39	161.72
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.67	NP	0.00	167.39	161.72
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.26	NP	0.00	167.39	162.13

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-4				***Screen Interval = 5 to 15 feet***							
04/11/88	15,000	12,000	8,000	1,000	2,700	-	-	-	-	-	-
04/09/90	-	-	-	-	-	-	-	-	-	-	-
10/30/90	87,000	7,200	10,000	1,600	12,900	-	7.04	NP	0.00	166.94	159.90
01/18/91	70,000	5,000	5,400	790	9,900	-	11.62	NP	0.00	166.94	155.32
02/12/91	87,000	5,200	2,800	240	11,000	-	11.63	NP	0.00	166.94	155.31
03/20/91	6,500	370	230	17	670	-	11.61	NP	0.00	166.94	155.33
05/22/91	-	-	-	-	-	-	10.30	FILM	0.00	166.94	156.64
06/19/91	-	-	-	-	-	-	11.10	FILM	0.00	166.94	155.84
07/17/91	-	-	-	-	-	-	6.20	FILM	0.00	166.94	160.74
08/17/91	-	-	-	-	-	-	8.15	FILM	0.00	166.94	158.79
09/24/91	-	-	-	-	-	-	10.40	FILM	0.00	166.94	156.54
10/23/91	-	-	-	-	-	-	11.20	FILM	0.00	166.94	155.74
11/06/91	-	-	-	-	-	-	6.62	FILM	0.00	166.94	160.32
12/04/91	-	-	-	-	-	-	11.20	ILM	0.00	166.94	155.74
01/29/92	-	-	-	-	-	-	7.72	FILM	0.00	166.94	159.22
02/26/92	-	-	-	-	-	-	5.13	FILM	0.00	166.94	161.81
03/19/92	-	-	-	-	-	-	5.00	FILM	0.00	166.94	161.94
04/22/92	-	-	-	-	-	-	5.94	FILM	0.00	166.94	161.00
05/21/92	-	-	-	-	-	-	5.40	FILM	0.00	166.94	161.54
06/25/92	-	-	-	-	-	-	5.71	FILM	0.00	166.94	161.23
07/30/92	-	-	-	-	-	-	6.33	FILM	0.00	166.94	160.61
08/20/92	-	-	-	-	-	-	5.80	FILM	0.00	166.94	161.14
09/30/92	-	-	-	-	-	-	6.34	FILM	0.00	166.94	160.60
12/23/92	-	-	-	-	-	-	5.50	FILM	0.00	166.94	161.44
03/10/93	-	-	-	-	-	-	4.67	FILM	0.00	166.94	162.27
06/09/93	-	-	-	-	-	-	5.12	FILM	0.00	166.94	161.82
09/14/93	-	-	-	-	-	-	10.44	NP	0.00	166.94	156.50
12/14/93	-	-	-	-	-	-	7.52	NP	0.00	166.94	159.42
03/02/94	-	-	-	-	-	-	4.85	NP	0.00	166.94	162.09
06/06/94	-	-	-	-	-	-	5.20	FILM	0.00	166.94	161.74
09/06/94	-	-	-	-	-	-	9.85	FILM	0.00	166.94	157.09
12/07/94	-	-	-	-	-	-	5.20	FILM	0.00	166.94	161.74
03/08/95	-	-	-	-	-	-	4.98	FILM	0.00	166.94	161.96
06/15/95	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	-	-	-	-	-	-	13.72	FILM	0.00	166.94	153.22
11/21/95	32,000	46	21	66	340	-	12.53	NP	0.00	166.94	154.41
03/11/96	1,700	130	15	2.0	120	-	4.72	NP	0.00	166.94	162.22
06/19/96	1,700	230	30	0.35	100	-	5.40	NP	0.00	166.94	161.54
09/16/96	510	<0.3	0.73	<0.3	<0.5	800	5.18	NP	0.00	166.94	161.76
12/10/96	520	<0.3	<0.3	<0.3	<0.5	1,000	4.65	NP	0.00	166.94	162.29
03/12/97	420	3.2	<0.3	<0.3	11	370	3.87	NP	0.00	166.94	163.07
06/12/97	510	0.66	<0.3	<0.3	<0.5	1,600	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.40	NP	0.00	166.94	161.54
12/09/97	1,400	330	2.3	<0.3	1.5	2,500	4.60	NP	0.00	166.94	162.34
03/03/98	3,000	400	0.61	0.5	97	3,800	5.05	NP	0.00	166.94	161.89
07/08/98	650	<0.3	<0.3	<0.3	<0.5	1,800	-	-	-	-	-
09/10/98	2,700	<0.3	<0.3	<0.3	1.4	7,600	4.60	NP	0.00	166.94	162.34
12/30/98	530	<0.3	<0.3	<0.3	<0.5	1,500	4.20	NP	0.00	166.94	162.74
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	3.85	NP	0.00	166.94	163.09
06/22/99	1,200	23	1.5	<0.3	2.4	1,400	3.90	NP	0.00	166.94	163.04
09/08/99	590	1.5	<0.6	<0.6	<1	1,100	5.72	NP	0.00	166.94	161.22
12/01/99	540	<0.3	<0.3	<0.3	<0.5	880	5.34	NP	0.00	166.94	161.60
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	5.36	NP	0.00	166.94	161.58
06/08/00	67	<5	<5	<5	<5	<5	5.34	NP	0.00	166.94	161.60
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.35	NP	0.00	166.94	161.59
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.71	NP	0.00	166.94	161.23
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.19	NP	0.00	166.94	162.75
06/15/01	409	18	2	2	5	*1,060 / 1,480	4.57	NP	0.00	166.94	162.37
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.10	NP	0.00	166.94	160.84
12/12/01	<50	<0.18	<0.14	<0.18	3	*7 / 3.7	4.95	NP	0.00	166.94	161.99
03/13/02	511	3	3	<0.18	2	519	4.17	NP	0.00	166.94	162.77
06/12/02	380	2	2	1	2	479	4.93	NP	0.00	166.94	162.01
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.32	NP	0.00	166.94	161.62
12/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.93	NP	0.00	166.94	162.01
03/19/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.32	NP	0.00	166.94	161.62
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	5.32	NP	0.00	166.94	161.62
09/04/03	<15	<0.32	<0.32	<0.31	<0.4	<0.18	4.93	NP	0.00	166.94	162.01

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-5				***Screen Interval = 5 to 20 feet***							
04/11/88	14,000	1,300	1,100	100	2,600	-	-	-	-	-	-
04/09/90	3,000	690	190	40	270	-	4.79	NP	0.00	166.51	161.72
10/30/90	3,400	910	48	87	249	-	5.86	NP	0.00	166.51	160.65
01/18/91	1,400	180	8.6	0.52	48	-	4.40	NP	0.00	166.51	162.11
02/12/91	1,000	ND	ND	0.65	ND	-	4.76	NP	0.00	166.51	161.75
03/20/91	3,000	250	53	ND	110	-	5.08	NP	0.00	166.51	161.43
05/22/91	2,500	330	7.8	5.6	200	-	4.52	NP	0.00	166.51	161.99
01/19/91	2,000	59	1.6	5.1	110	-	4.39	NP	0.00	166.51	162.12
07/17/91	-	-	-	-	-	-	5.05	FILM	0.00	166.51	161.46
08/07/91	-	-	-	-	-	-	5.02	FILM	0.00	166.51	161.49
09/24/91	-	-	-	-	-	-	5.86	FILM	0.00	166.51	160.65
10/23/91	-	-	-	-	-	-	5.84	FILM	0.00	166.51	160.67
11/06/91	9,900	2,300	37	260	160	-	5.48	NP	0.00	166.51	161.03
12/04/91	4,500	1,000	27	ND	180	-	5.43	NP	0.00	166.51	161.08
01/29/92	600	6.1	2.3	ND	47	-	5.12	NP	0.00	166.51	161.39
02/26/92	500	5.4	2.7	1.2	14	-	4.93	NP	0.00	166.51	161.58
03/19/92	ND	1.7	1.1	ND	5.5	-	4.45	NP	0.00	166.51	162.06
04/22/92	1,600	240	2.2	ND	160	-	4.63	NP	0.00	166.51	161.88
05/21/92	1,200	410	37	ND	118	-	4.90	NP	0.00	166.51	161.61
06/25/92	ND	1.0	0.8	0.8	0.4	-	5.15	NP	0.00	166.51	161.36
07/30/92	ND	2.0	1.8	1.9	6.4	-	5.30	NP	0.00	166.51	161.21
08/20/92	300	1.7	3.3	0.7	12	-	5.44	NP	0.00	166.51	161.07
09/30/92	1,900	140	ND	19	35	-	5.73	NP	0.00	166.51	160.78
12/23/92	400	8.0	ND	ND	ND	-	4.75	NP	0.00	166.51	161.76
03/10/93	1,100	290	9.7	ND	75	-	4.14	NP	0.00	166.51	162.37
06/09/93	400	1.5	0.5	ND	12	-	5.42	NP	0.00	166.51	161.09
09/14/93	240	6.9	8.8	1.4	67	-	5.53	NP	0.00	166.51	160.98
12/14/93	3,300	510	5.4	4.1	55	-	478	NP	0.00	166.51	-311.49
03/02/94	2,400	270	4.5	<0.3	13	-	4.20	NP	0.00	166.51	162.31
06/06/94	730	<0.3	<0.3	0.70	22	-	5.13	NP	0.00	166.51	161.38
09/06/94	2,400	180	28	2.3	76	-	5.45	NP	0.00	166.51	161.06
12/07/94	540	5.6	<0.3	<0.5	6.9	-	4.13	NP	0.00	166.51	162.38
03/08/95	1,500	220	5.5	<0.5	83	-	5.20	NP	0.00	166.51	161.31
06/15/95	3,200	820	53	6.2	74	-	4.93	NP	0.00	166.51	161.58

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	4,400	440	22	<2.5	57	-	5.03	NP	0.00	166.51	161.48
11/21/95	660	3.4	<0.3	<0.3	0.6	-	5.23	NP	0.00	166.51	161.28
03/11/96	1,000	76	2.2	<0.3	130	-	4.16	NP	0.00	166.51	162.35
06/09/96	90	<0.3	<0.3	<0.3	<0.5	-	5.42	NP	0.00	166.51	161.09
09/16/96	1,900	5..8	<0.3	<0.3	5.9	1,100	5.20	NP	0.00	166.51	161.31
12/10/96	740	<0.3	<0.3	<0.3	<0.5	1,300	5.27	NP	0.00	166.51	161.24
03/12/97	2,000	600	59	5.1	54	1,300	3.85	NP	0.00	166.51	162.66
06/12/97	230	<0.3	<0.3	<0.3	<0.5	720	-	-	-	-	-
09/10/97	210	<0.3	<0.3	<0.3	<0.5	210	4.10	NP	0.00	166.51	162.41
12/09/97	11,000	2,500	2,700	<6	1,500	510	5.20	NP	0.00	166.51	161.31
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	<20	3.70	NP	0.00	166.51	162.81
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	6.77	NP	0.00	166.51	159.74
12/30/98	<50	<0.3	<0.3	<0.3	<0.5	<5	5.95	NP	0.00	166.51	160.56
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	5.25	NP	0.00	166.51	161.26
06/22/99	110	<0.3	<0.3	<0.3	<0.5	200	4.50	NP	0.00	166.51	162.01
09/08/99	68	<0.3	<0.3	<0.3	<0.5	110	4.43	NP	0.00	166.51	162.08
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	3.66	NP	0.00	166.51	162.85
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	4.06	NP	0.00	166.51	162.45
06/08/00	<50	<5	<5	<5	<5	<5	4.43	NP	0.00	166.51	162.08
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.06	NP	0.00	166.51	162.45
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.80	NP	0.00	166.51	161.71
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.33	NP	0.00	166.51	160.18
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.79	NP	0.00	166.51	161.72
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.54	NP	0.00	166.51	160.97
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.21	NP	0.00	166.51	161.30
03/13/02	-	-	-	-	-	-	6.32	NP	0.00	166.51	160.19
06/12/02	-	-	-	-	-	-	-	-	-	-	-
09/18/02	-	-	-	-	-	-	-	-	-	-	-
12/18/02	-	-	-	-	-	-	-	-	-	-	-
03/19/03	-	-	-	-	-	-	-	-	-	-	-
06/11/03	-	-	-	-	-	-	-	-	-	-	-
09/04/03	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-6				*Screen Interval = 5 to 15 feet*							
04/11/88	6,000	3,000	40	80	140	-	-	-	-	-	-
04/09/90	3,000	990	ND	70	ND	-	5.64	NP	0.00	166.51	160.87
10/30/90	3,400	1,000	28	ND	ND	-	6.68	NP	0.00	166.51	159.83
01/18/91	6,300	1,200	ND	3.0	15	-	6.61	NP	0.00	166.51	159.90
02/12/91	5,200	850	8.4	4.9	41	-	6.20	NP	0.00	166.51	160.31
03/20/91	5,800	680	12	8.0	16	-	5.62	NP	0.00	166.51	160.89
05/22/91	8,500	1,700	14	24	6.7	-	6.05	NP	0.00	166.51	160.46
06/19/91	-	-	-	-	-	-	6.12	FILM	0.00	166.51	160.39
07/17/91	120,000	9,300	13,000	2,400	16,000	-	6.20	NP	0.00	166.51	160.31
08/07/91	-	590	5.3	ND	14	-	6.27	NP	0.00	166.51	160.24
09/24/91	7,000	310	11	5.3	35	-	6.63	NP	0.00	166.51	159.88
10/23/91	-	-	-	-	-	-	6.36	FILM	0.00	166.51	160.15
11/06/91	4,000	710	18	29	49	-	6.15	NP	0.00	166.51	160.36
12/04/91	4,100	1,100	14	33	39	-	6.19	NP	0.00	166.51	160.32
01/29/92	2,600	790	14	ND	49	-	6.70	NP	0.00	166.51	159.81
02/26/92	3,100	950	21	30	33	-	5.44	NP	0.00	166.51	161.07
03/19/92	2,200	630	14	12	40	-	5.30	NP	0.00	166.51	161.21
04/22/92	-	730	2.2	ND	40	-	6.00	NP	0.00	166.51	160.51
05/21/92	1,500	840	7.8	7.1	34	-	6.25	NP	0.00	166.51	160.26
06/25/92	<2000	740	8.0	27	28	-	6.38	NP	0.00	166.51	160.13
07/30/92	-	-	-	-	-	-	6.42	FILM	0.00	166.51	160.09
08/20/92	2,800	630	17	23	22	-	6.50	NP	0.00	166.51	160.01
09/30/92	7,800	540	ND	12	29	-	6.66	NP	0.00	166.51	159.85
12/23/92	1,800	350	ND	7.7	11	-	5.83	NP	0.00	166.51	160.68
03/10/93	3,000	830	5.6	19	16	-	5.63	NP	0.00	166.51	160.88
06/09/93	4,800	920	6.2	3.2	12	-	6.01	NP	0.00	166.51	160.50
09/14/93	3,600	660	7.5	11	27	-	6.53	NP	0.00	166.51	159.98
12/14/93	1,500	200	<0.3	<0.3	8.8	-	3.58	NP	0.00	166.51	162.93
03/02/94	-	-	-	-	-	-	5.12	NP	0.00	166.51	161.39
06/06/94	2,400	290	4.6	1.3	24	-	1.85	NP	0.00	166.51	164.66
09/06/94	4,300	230	21	<6.6	130	-	6.40	NP	0.00	166.51	160.11
12/07/94	1,500	17	2.5	3.2	22	-	5.68	NP	0.00	166.51	160.83
03/08/95	2,500	460	5.5	2.1	51	-	5.12	NP	0.00	166.51	161.39
06/15/95	2,300	91	1.1	0.7	97	-	5.72	NP	0.00	166.51	160.79

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	3,300	60	<10	<10	74	-	5.94	NP	0.00	166.51	160.57
11/21/95	2,000	7.3	<0.3	0.56	8.7	-	6.24	NP	0.00	166.51	160.27
03/11/96	840	43	0.96	5.7	14	-	5.16	NP	0.00	166.51	161.35
06/19/96	1,800	160	2.7	9.9	25	-	5.80	NP	0.00	166.51	160.71
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.38	NP	0.00	166.51	161.13
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	5.62	NP	0.00	166.51	160.89
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.20	NP	0.00	166.51	161.31
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	440	<0.3	<0.3	<0.3	<0.5	320	5.20	NP	0.00	166.51	161.31
12/09/97	<50	<0.3	<0.3	<0.3	<0.5	<20	5.97	NP	0.00	166.51	160.54
03/03/98	400	7.0	<0.3	<0.3	4.3	65	4.45	NP	0.00	166.51	162.06
07/08/98	300	<0.3	<0.3	<0.3	1.0	35	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	5.90	NP	0.00	166.51	160.61
12/30/98	<50	<0.3	<0.3	<0.3	<0.5	<5	5.20	NP	0.00	166.51	161.31
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	8.4	4.82	NP	0.00	166.51	161.69
06/22/99	700	11	1.9	<0.3	3.9	140	6.00	NP	0.00	166.51	160.51
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5	5.15	NP	0.00	166.51	161.36
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	12	4.02	NP	0.00	166.51	162.49
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	4.41	NP	0.00	166.51	162.10
06/08/00	<50	<5	<5	<5	<5	<5	4.78	NP	0.00	166.51	161.73
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.78	NP	0.00	166.51	161.73
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	4.77	NP	0.00	166.51	161.74
03/22/01	367	<0.18	<0.14	<0.18	<0.26	*581 / 674	5.54	NP	0.00	166.51	160.97
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.92	NP	0.00	166.51	160.59
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.93	NP	0.00	166.51	160.58
12/12/01	138	<0.18	<0.14	<0.18	<0.26	*7 / <0.6	6.20	NP	0.00	166.51	160.31
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.55	NP	0.00	166.51	160.96
06/12/02	895	<0.18	1.0	<0.18	<0.26	1,360	5.93	NP	0.00	166.51	160.58
09/18/02	759	<0.18	<0.14	<0.18	<0.26	644	6.03	NP	0.00	166.51	160.48
12/18/02	531	<0.18	<0.14	<0.18	<0.26	441	5.65	NP	0.00	166.51	160.86
03/19/03	955	<0.04	<0.02	<0.02	<0.06	585	6.34	NP	0.00	166.51	160.17
06/11/03	945	<0.04	<0.02	<0.02	<0.06	328	6.34	NP	0.00	166.51	160.17
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	5.92	NP	0.00	166.51	160.59

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RE-7				*Screen Interval = 5 to 15 feet*							
04/11/88	<50,000	17,000	4,400	600	8,400	-	-	-	-	-	-
04/09/90	16,000	7,000	1,200	640	1,600	-	5.93	NP	0.00	166.04	160.11
10/30/90	31,000	14,000	ND	ND	ND	-	8.21	NP	0.00	166.04	157.83
01/18/91	-	-	-	-	-	-	11.80	NP	0.00	166.04	154.24
02/12/91	-	-	-	-	-	-	10.80	FILM	0.00	166.04	155.24
03/20/91	120,000	12,000	2,800	490	6,600	-	9.96	NP	0.00	166.04	156.08
05/22/91	-	-	-	-	-	-	11.70	FILM	0.00	166.04	154.34
06/19/91	-	-	-	-	-	-	11.50	FILM	0.00	166.04	154.54
07/17/91	-	-	-	-	-	-	7.80	FILM	0.00	166.04	158.24
08/07/91	-	-	-	-	-	-	9.88	0.03	9.85	166.04	163.60
09/24/91	-	-	-	-	-	-	9.85	0.03	9.82	166.04	163.60
10/23/91	-	-	-	-	-	-	9.96	FILM	0.00	166.04	156.08
11/06/91	-	-	-	-	-	-	6.77	FILM	0.00	166.04	159.27
12/04/91	-	-	-	-	-	-	10.80	FILM	0.00	166.04	155.24
01/29/92	-	-	-	-	-	-	8.64	FILM	0.00	166.04	157.40
02/26/92	-	-	-	-	-	-	6.00	FILM	0.00	166.04	160.04
03/19/92	-	-	-	-	-	-	5.55	FILM	0.00	166.04	160.49
04/22/92	-	-	-	-	-	-	6.12	FILM	0.00	166.04	159.92
05/21/92	-	-	-	-	-	-	6.40	FILM	0.00	166.04	159.64
06/25/92	-	-	-	-	-	-	6.73	0.02	6.71	166.04	164.38
07/30/92	-	-	-	-	-	-	6.73	FILM	0.00	166.04	159.31
08/20/92	-	-	-	-	-	-	6.82	FILM	0.00	166.04	159.22
09/30/92	-	-	-	-	-	-	7.26	FILM	0.00	166.04	158.78
12/23/92	-	-	-	-	-	-	6.22	FILM	0.00	166.04	159.82
03/10/93	-	-	-	-	-	-	5.82	FILM	0.00	166.04	160.22
06/09/93	-	-	-	-	-	-	6.17	FILM	0.00	166.04	159.87
09/14/93	-	-	-	-	-	-	11.33	NP	0.00	166.04	154.71
12/14/93	-	-	-	-	-	-	8.40	NP	0.00	166.04	157.64
03/02/94	-	-	-	-	-	-	6.82	NP	0.00	166.04	159.22
06/06/94	-	-	-	-	-	-	10.95	FILM	0.00	166.04	155.09
09/06/94	-	-	-	-	-	-	11.30	FILM	0.00	166.04	154.74
12/07/94	-	-	-	-	-	-	5.63	FILM	0.00	166.04	160.41
03/08/95	-	-	-	-	-	-	5.06	FILM	0.00	166.04	160.98
06/15/95	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/05/95	-	-	-	-	-	-	7.98	FILM	0.00	166.04	158.06
11/21/95	20,000	8,800	110	<30	310	-	7.32	NP	0.00	166.04	158.72
03/11/96	4,800	2,200	38	26	120	-	5.62	NP	0.00	166.04	160.42
06/19/96	4,400	3,300	49	5.8	70	-	6.40	NP	0.00	166.04	159.64
09/19/96	7,200	510	83	<0.3	710	130	6.20	NP	0.00	166.04	159.84
12/10/96	700	<0.3	<0.3	<0.3	<0.5	1,400	5.92	NP	0.00	166.04	160.12
03/12/97	660	0.31	<0.3	<0.3	<0.5	1,400	5.62	NP	0.00	166.04	160.42
06/12/97	320	<0.3	0.45	<0.3	<0.5	850	-	-	-	-	-
09/10/97	780	<0.3	<0.3	<0.3	<0.5	930	7.45	NP	0.00	166.04	158.59
12/09/97	14,000	3,500	3,700	<15	2,100	1,100	7.10	NP	0.00	166.04	158.94
03/03/98	6,100	2,500	18	<6	110	270	6.70	NP	0.00	166.04	159.34
07/08/98	1,300	8.7	<0.3	<0.3	<0.5	350	-	-	-	-	-
09/10/98	690	2.2	<0.3	<0.3	<0.5	350	7.04	NP	0.00	166.04	159.00
12/30/98	600	2.0	0.55	<0.3	<0.5	350	6.25	NP	0.00	166.04	159.79
03/15/99	350	0.71	<0.3	<0.3	<0.5	140	6.02	NP	0.00	166.04	160.02
06/22/99	5,900	2,100	16	4.6	48	170	6.35	NP	0.00	166.04	159.69
09/08/99	1,700	380	<3	<3	13	160	7.03	NP	0.00	166.04	159.01
12/01/99	930	3.7	<0.3	<0.3	<0.5	390	6.25	NP	0.00	166.04	159.79
03/23/00	581	5.4	5.3	1.9	7.3	*168/183	6.24	NP	0.00	166.04	159.80
06/08/00	<100	<5	<5	<5	<5	74	6.64	NP	0.00	166.04	159.40
09/27/00	236	<0.18	<0.14	<0.18	<0.26	*21 / 28	7.03	NP	0.00	166.04	159.01
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	*13 / 19.8	6.63	NP	0.00	166.04	159.41
03/22/01	504	<0.18	<0.14	<0.18	1	*666 / 1,420	7.02	NP	0.00	166.04	159.02
06/15/01	144	5.0	<0.14	0.5	2	*369 / 408	7.02	NP	0.00	166.04	159.02
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.79	NP	0.00	166.04	158.25
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.28	NP	0.00	166.04	158.76
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.02	NP	0.00	166.04	160.02
06/12/02	5,130	772	970	59	550	113	7.79	NP	0.00	166.04	158.25
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.40	NP	0.00	166.04	158.64
12/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.63	NP	0.00	166.04	159.41
03/19/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	7.40	NP	0.00	166.04	158.64
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	8.3	7.40	NP	0.00	166.04	158.64
09/04/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	7.39	NP	0.00	166.04	158.65

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	Ethylbenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
MONITORING WELL #RS-8				***Screen Interval = 5 to 25 feet***							
08/07/91	ND	ND	ND	ND	ND	-	9.68	NP	0.00	164.32	154.64
09/27/91	ND	ND	ND	ND	ND	-	9.89	NP	0.00	164.32	154.43
10/23/91	ND	ND	ND	ND	ND	-	10.05	NP	0.00	164.32	154.27
11/06/91	ND	ND	ND	ND	ND	-	9.71	NP	0.00	164.32	154.61
12/04/91	ND	ND	ND	ND	ND	-	10.00	NP	0.00	164.32	154.32
01/29/92	ND	2.1	1.0	2.5	3.6	-	9.28	NP	0.00	164.32	155.04
02/26/92	ND	ND	0.7	ND	0.7	-	7.05	NP	0.00	164.32	157.27
03/19/92	ND	0.5	1.0	1.5	2.7	-	7.30	NP	0.00	164.32	157.02
04/22/92	ND	ND	ND	ND	ND	-	8.60	NP	0.00	164.32	155.72
05/21/92	ND	ND	ND	ND	ND	-	9.22	NP	0.00	164.32	155.10
06/25/92	ND	ND	ND	ND	ND	-	9.49	NP	0.00	164.32	154.83
07/30/92	ND	1.1	4.2	ND	3.0	-	9.55	NP	0.00	164.32	154.77
08/20/92	ND	2.0	4.7	ND	5.7	-	9.63	NP	0.00	164.32	154.69
09/30/92	ND	ND	ND	ND	ND	-	9.90	NP	0.00	164.32	154.42
12/23/92	ND	ND	ND	ND	ND	-	9.96	NP	0.00	164.32	154.36
05/10/93	ND	ND	ND	ND	ND	-	8.95	NP	0.00	164.32	155.37
06/09/93	ND	ND	ND	ND	ND	-	9.00	NP	0.00	164.32	155.32
09/14/93	200	0.3	ND	ND	ND	-	9.50	NP	0.00	164.32	154.82
12/14/93	ND	ND	ND	ND	ND	-	8.75	NP	0.00	164.32	155.57
03/02/94	< 50	< 0.3	< 0.3	< 0.3	< 0.5	-	7.52	NP	0.00	164.32	156.80
06/06/94	54	< 0.3	< 0.3	< 0.3	2.4	-	9.00	NP	0.00	164.32	155.32
09/06/94	< 50	< 0.3	< 0.3	< 0.3	< 0.5	-	9.26	NP	0.00	164.32	155.06
12/07/94	130	2.5	1.9	1.3	3.6	-	8.67	NP	0.00	164.32	155.65
03/08/95	< 100	< 0.5	< 0.5	< 0.5	< 1	-	8.34	NP	0.00	164.32	155.98
06/15/95	< 100	1.0	< 0.5	< 0.5	< 1	-	9.12	NP	0.00	164.32	155.20
09/05/95	< 100	< 0.5	< 0.5	< 0.5	< 1	-	9.56	NP	0.00	164.32	154.76
11/21/95	< 50	0.44	< 0.3	< 0.3	1.5	-	9.28	NP	0.00	164.32	155.04
03/11/96	< 50	1.3	< 0.3	< 0.3	0.6	-	7.52	NP	0.00	164.32	156.80
06/19/96	640	72	20	34	150	-	7.80	NP	0.00	164.32	156.52
09/16/96	< 50	< 0.3	< 0.3	< 0.3	< 0.5	20	9.18	NP	0.00	164.32	155.14
12/10/96	< 50	< 0.3	< 0.3	< 0.3	< 0.5	< 20	6.08	NP	0.00	164.32	158.24
03/12/97	53	0.45	< 0.3	< 0.3	< 0.5	140	8.65	NP	0.00	164.32	155.67
06/12/97	< 50	< 0.3	< 0.3	< 0.3	< 0.5	68	-	-	-	-	-
09/10/97	< 50	< 0.3	< 0.3	< 0.3	< 0.5	< 20	8.30	NP	0.00	164.32	156.02

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
12/09/97	<50	1.7	2.1	<0.3	1.4	82	9.98	NP	0.00	164.32	154.34
03/03/98	<50	<0.3	<0.3	<0.3	<0.5	84	8.33	NP	0.00	164.32	155.99
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	97	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	97	12.95	NP	0.00	164.32	151.37
12/30/98	<50	1.3	1.5	<0.3	0.86	19	11.35	NP	0.00	164.32	152.97
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	9.6	9.85	NP	0.00	164.32	154.47
06/22/99	66	0.39	<0.3	<0.3	<0.5	62	9.90	NP	0.00	164.32	154.42
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	25	9.85	NP	0.00	164.32	154.47
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	30	8.30	NP	0.00	164.32	156.02
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	*13.6/18.2	6.76	NP	0.00	164.32	157.56
06/08/00	<50	<5	<5	<5	<5	10	8.30	NP	0.00	164.32	156.02
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	*6 / 4.9	8.30	NP	0.00	164.32	156.02
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	8.28	NP	0.00	164.32	156.04
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12.89	NP	0.00	164.32	151.43
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	12.89	NP	0.00	164.32	151.43
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	9.82	NP	0.00	164.32	154.50
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	9.25	NP	0.00	164.32	155.07
03/13/02	-	-	-	-	-	-	12.89	NP	0.00	164.32	151.43
06/12/02	-	-	-	-	-	-	-	-	-	-	-
09/18/02	-	-	-	-	-	-	-	-	-	-	-
12/18/02	-	-	-	-	-	-	-	-	-	-	-
03/19/03	-	-	-	-	-	-	-	-	-	-	-
06/11/03	-	-	-	-	-	-	-	-	-	-	-
09/04/03	-	-	-	-	-	-	-	-	-	-	-
MONITORING WELL #RS-9				*Screen Interval = 5 to 15 feet*							
08/07/91	-	0.5	ND	330	1,200	-	2.28	NP	0.00	167.51	165.23
09/27/91	13,000	3.5	3.0	82	140	-	2.77	NP	0.00	167.51	164.74
10/23/91	11,000	ND	ND	39	340	-	3.53	NP	0.00	167.51	163.98
11/06/91	6,800	8.4	0.6	22	230	-	2.51	NP	0.00	167.51	165.00
12/04/91	6,500	6.5	0.7	87	200	-	3.20	NP	0.00	167.51	164.31
01/29/92	8,100	22	10	140	260	-	2.65	NP	0.00	167.51	164.86
02/26/92	13,000	40	16	220	600	-	3.42	NP	0.00	167.51	164.09
03/19/92	12,000	21	12	100	280	-	3.12	NP	0.00	167.51	164.39

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
04/22/92	8,600	ND	ND	20	37	-	3.24	NP	0.00	167.51	164.27
05/21/92	6,000	21	10	53	210	-	3.75	NP	0.00	167.51	163.76
06/25/92	370	2.3	1.5	0.7	4.3	-	2.65	NP	0.00	167.51	164.86
07/30/92	3,600	20	ND	39	80	-	2.70	NP	0.00	167.51	164.81
08/20/92	3,000	0.7	5.2	2.0	5.3	-	2.83	NP	0.00	167.51	164.68
09/30/92	9,200	4.8	6.5	12	91	-	2.80	NP	0.00	167.51	164.71
12/23/92	2,000	17	ND	8.2	18	-	2.45	NP	0.00	167.51	165.06
03/10/93	1,500	ND	2.6	21	12	-	2.40	NP	0.00	167.51	165.11
06/09/93	1,300	0.6	1.7	ND	7.5	-	3.55	NP	0.00	167.51	163.96
09/14/93	1,500	1.3	7.6	4.1	14	-	2.81	NP	0.00	167.51	164.70
12/14/93	560	ND	ND	ND	5.5	-	2.63	NP	0.00	167.51	164.88
03/02/94	1,100	<0.3	<0.3	<0.3	<0.5	-	2.60	NP	0.00	167.51	164.91
06/06/94	290	0.58	0.53	1.1	5.8	-	2.52	NP	0.00	167.51	164.99
09/06/94	890	<0.3	<0.3	<0.3	3.1	-	3.16	NP	0.00	167.51	164.35
12/07/94	940	22	23	10	32	-	5.18	NP	0.00	167.51	162.33
03/08/95	1,600	<0.5	<0.5	<0.5	2.3	-	4.57	NP	0.00	167.51	162.94
06/15/95	3,200	2.2	5.3	4.3	3.1	-	5.08	NP	0.00	167.51	162.43
09/05/95	1,100	<0.5	<0.5	<0.5	<1	-	5.72	NP	0.00	167.51	161.79
11/21/95	1,100	1.1	2.9	3.5	3.0	-	2.46	NP	0.00	167.51	165.05
03/11/96	440	0.7	0.34	<0.3	3.7	-	3.44	NP	0.00	167.51	164.07
06/19/96	580	3.8	0.49	1.2	<0.5	-	3.80	NP	0.00	167.51	163.71
09/16/96	490	<0.3	1.6	<0.3	<0.5	<20	3.80	NP	0.00	167.51	163.71
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	2.76	NP	0.00	167.51	164.75
03/12/97	<50	<0.3	0.42	<0.3	1.5	<20	3.20	NP	0.00	167.51	164.31
06/12/97	<50	<0.3	<0.3	<0.3	0.51	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	4.24	NP	0.00	167.51	163.27
12/09/97	<50	<0.3	0.48	<0.3	<0.5	<20	2.72	NP	0.00	167.51	164.79
03/03/98	190	<0.3	<0.3	0.38	<0.5	<20	1.90	NP	0.00	167.51	165.61
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	2.72	NP	0.00	167.51	164.79
12/30/98	<50	<0.3	<0.3	<0.3	<0.5	<5	1.20	NP	0.00	167.51	166.31
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	4.25	NP	0.00	167.51	163.26
06/22/99	1,300	4.2	1.2	0.69	0.74	<5	3.70	NP	0.00	167.51	163.81
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5	2.71	NP	0.00	167.51	164.80
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	2.70	NP	0.00	167.51	164.81

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	2.70	NP	0.00	167.51	164.81
06/08/00	585	<5	<5	<5	<5	821	2.72	NP	0.00	167.51	164.79
09/27/00	592	<0.18	<0.14	<0.18	<0.26	*1,180 / 1,360	2.72	NP	0.00	167.51	164.79
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	*403 / 444	2.70	NP	0.00	167.51	164.81
03/22/01	425	<0.18	<0.14	<0.18	<0.26	*738 / 1,640	2.69	NP	0.00	167.51	164.82
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	2.68	NP	0.00	167.51	164.83
08/30/01	164	<0.18	<0.14	<0.18	<0.26	*396 / 284	2.68	NP	0.00	167.51	164.83
12/12/01	1,540	<0.18	<0.14	<0.18	<0.26	*4,370 / 2,480	2.41	NP	0.00	167.51	165.10
03/13/02	1,540	<0.18	<0.14	<0.18	<0.26	3,360	2.68	NP	0.00	167.51	164.83
06/12/02	2,020	1	3	1	3	3,280	4.21	NP	0.00	167.51	163.30
09/18/02	915	<0.18	<0.14	<0.18	<0.26	768	4.21	NP	0.00	167.51	163.30
12/18/02	1,070	<0.18	<0.14	<0.18	<0.26	960	2.68	NP	0.00	167.51	164.83
03/19/03	1,600	<0.04	<0.02	<0.02	<0.06	836	4.21	NP	0.00	167.51	163.30
06/11/03	1,960	<0.04	<0.02	<0.02	<0.06	583	4.21	NP	0.00	167.51	163.30
09/04/03	117	<0.22	<0.32	<0.31	13	8.3	4.21	NP	0.00	167.51	163.30
MONITORING WELL #RS-10	***Screen Interval = 5 to 25 feet***										
08/07/91	ND	ND	ND	ND	ND	-	6.16	NP	0.00	162.89	156.73
09/27/91	ND	ND	ND	ND	ND	-	6.48	NP	0.00	162.89	156.41
10/23/91	ND	ND	ND	ND	ND	-	7.37	NP	0.00	162.89	155.52
11/06/91	ND	ND	ND	ND	ND	-	6.44	NP	0.00	162.89	156.45
12/04/91	ND	ND	ND	ND	ND	-	7.02	NP	0.00	162.89	155.87
01/29/92	ND	ND	ND	ND	ND	-	6.78	NP	0.00	162.89	156.11
02/26/92	ND	ND	ND	ND	ND	-	8.33	NP	0.00	162.89	154.56
03/19/92	ND	ND	ND	ND	0.6	-	8.02	NP	0.00	162.89	154.87
04/22/92	ND	ND	ND	ND	ND	-	7.78	NP	0.00	162.89	155.11
05/21/92	ND	ND	0.6	ND	1.2	-	6.21	NP	0.00	162.89	156.68
06/25/92	ND	ND	ND	ND	ND	-	7.73	NP	0.00	162.89	155.16
07/30/92	ND	ND	0.5	ND	1.0	-	7.84	NP	0.00	162.89	155.05
08/20/92	ND	ND	ND	ND	ND	-	7.50	NP	0.00	162.89	155.39
09/30/92	ND	ND	ND	ND	ND	-	7.63	NP	0.00	162.89	155.26
12/23/92	ND	ND	ND	ND	ND	-	7.24	NP	0.00	162.89	155.65
03/10/93	ND	ND	ND	ND	ND	-	6.38	NP	0.00	162.89	156.51
06/09/93	ND	ND	ND	ND	ND	-	7.98	NP	0.00	162.89	154.91

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/14/93	ND	ND	ND	ND	ND	-	7.35	NP	0.00	162.89	155.54
03/02/94	<50	<0.3	<0.3	<0.3	<0.3	-	7.00	NP	0.00	162.89	155.89
06/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	6.55	NP	0.00	162.89	156.34
09/06/94	<50	<0.3	<0.3	<0.3	<0.5	-	7.63	NP	0.00	162.89	155.26
12/07/94	56	<0.3	<0.3	<0.5	2.1	-	5.92	NP	0.00	162.89	156.97
03/08/95	<100	<0.5	<0.5	<0.5	<1	-	7.84	NP	0.00	162.89	155.05
06/15/95	<100	<0.5	<0.5	<0.5	<1	-	6.97	NP	0.00	162.89	155.92
09/05/95	<100	<0.5	<0.5	<0.5	<1	-	8.14	NP	0.00	162.89	154.75
11/21/95	<50	<0.3	<0.3	<0.3	<0.5	-	7.68	NP	0.00	162.89	155.21
03/11/96	<50	<0.3	<0.3	<0.3	<0.5	-	6.76	NP	0.00	162.89	156.13
06/19/96	<50	<0.3	<0.3	<0.3	<0.5	-	7.20	NP	0.00	162.89	155.69
09/16/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.30	NP	0.00	162.89	156.59
12/10/96	<50	<0.3	<0.3	<0.3	<0.5	<20	6.05	NP	0.00	162.89	156.84
03/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	7.56	NP	0.00	162.89	155.33
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	7.55	NP	0.00	162.89	155.34
12/09/97	1,900	610	510	<6	290	<20	7.55	NP	0.00	162.89	155.34
03/03/98	<50	2.0	<0.3	<0.3	<0.5	27	6.03	NP	0.00	162.89	156.86
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	72	7.55	NP	0.00	162.89	155.34
12/30/98	<50	1.1	<0.3	<0.3	<0.5	<5	4.45	NP	0.00	162.89	158.44
03/15/99	<50	<0.3	<0.3	<0.3	1.3	<5	4.50	NP	0.00	162.89	158.39
06/22/99	<50	<0.3	<0.3	<0.3	<0.5	<5	9.15	NP	0.00	162.89	153.74
09/08/99	<50	<0.3	<0.3	<0.3	<0.5	<5	7.51	NP	0.00	162.89	155.38
12/01/99	<50	<0.3	<0.3	<0.3	<0.5	<5	5.97	NP	0.00	162.89	156.92
03/23/00	<50	<0.25	<0.25	<0.25	<0.5	<5	4.47	NP	0.00	162.89	158.42
06/08/00	<50	<5	<5	<5	<5	<5	5.97	NP	0.00	162.89	156.92
09/27/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.50	NP	0.00	162.89	155.39
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	5.94	NP	0.00	162.89	156.95
03/22/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.51	NP	0.00	162.89	155.38
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.50	NP	0.00	162.89	155.39
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	9.05	NP	0.00	162.89	153.84
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.65	NP	0.00	162.89	155.24
03/13/02	-	-	-	-	-	-	9.05	NP	0.00	162.89	153.84
06/12/02	-	-	-	-	-	-	-	-	-	-	-

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	Ethylbenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
09/18/02	-	-	-	-	-	-	-	-	-	-	-
12/18/02	-	-	-	-	-	-	-	-	-	-	-
03/19/03	-	-	-	-	-	-	-	-	-	-	-
06/11/03	-	-	-	-	-	-	-	-	-	-	-
09/04/03	-	-	-	-	-	-	-	-	-	-	-
MONITORING WELL #RS-11				*Screen Interval = 5 to 25 feet*							
09/21/95	110	<0.5	<0.5	<0.5	<1	-	9.37	NP	0.00	163.28	153.91
11/21/95	-	-	-	-	-	-	-	-	-	-	-
03/11/96	-	-	-	-	-	-	-	-	-	-	-
06/19/96	-	-	-	-	-	-	-	-	-	-	-
09/16/96	-	-	-	-	-	-	-	-	-	-	-
03/12/97	74	9.5	<0.3	<0.3	0.57	<20	7.75	NP	0.00	163.28	155.53
06/12/97	<50	<0.3	<0.3	<0.3	<0.5	<20	-	-	-	-	-
09/10/97	<50	<0.3	<0.3	<0.3	<0.5	<20	9.50	NP	0.00	163.28	153.78
12/09/97	<50	0.79	1.2	<0.3	<0.5	<20	9.50	NP	0.00	163.28	153.78
03/03/98	140	22	0.63	<0.3	<0.5	<20	7.93	NP	0.00	163.28	155.35
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	-	-	-	-	-
09/10/98	<50	<0.3	<0.3	<0.3	<0.5	<5	9.48	NP	0.00	163.28	153.80
12/30/98	<50	1.3	0.87	<0.3	0.55	<5	7.95	NP	0.00	163.28	155.33
03/15/99	<50	<0.3	<0.3	<0.3	<0.5	<5	6.40	NP	0.00	163.28	156.88
06/22/99	350	89	2.9	3.3	0.91	6.8	11.00	NP	0.00	163.28	152.28
09/08/99	99	9.1	0.37	<0.3	<0.5	<5	7.90	NP	0.00	163.28	155.38
12/01/99	82	9.7	0.44	<0.3	<0.5	<5	7.90	NP	0.00	163.28	155.38
03/23/00	73	5.8	2.3	<0.25	<0.5	*11.2 / 7.9	4.85	NP	0.00	163.28	158.43
06/08/00	306	<5	<5	<5	<5	<5	7.90	NP	0.00	163.28	155.38
09/27/00	<50	1	<0.14	<0.18	<0.26	3 J / 3.6	9.44	NP	0.00	163.28	153.84
12/13/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	6.34	NP	0.00	163.28	156.94
03/22/01	408	<0.18	<0.14	<0.18	<0.26	*664 / 941	7.96	NP	0.00	163.28	155.32
06/15/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.87	NP	0.00	163.28	155.41
08/30/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	9.41	NP	0.00	163.28	153.87
12/12/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.86	NP	0.00	163.28	155.42
03/13/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	7.85	NP	0.00	163.28	155.43
06/12/02	<50	<0.18	1	<0.18	<0.26	<0.24	9.39	NP	0.00	163.28	153.89
09/18/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	9.38	NP	0.00	163.28	153.90

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #054, CASTRO VALLEY, CA.

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
12/18/02	110	<0.18	<0.14	<0.18	<0.26	101	6.32	NP	0.00	163.28	156.96
03/19/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	9.39	NP	0.00	163.28	153.89
06/11/03	<15	<0.04	<0.02	<0.02	<0.06	20	9.39	NP	0.00	163.28	153.89
09/04/03	<15	<0.22	<0.32	<0..31	<0.4	<0.18	7.85	NP	0.00	163.28	155.43

NOTE: ND = Nondetectable

" - " = Not Analyzed / Not Available

NP = No Free Product

*MTBE 8020/8260

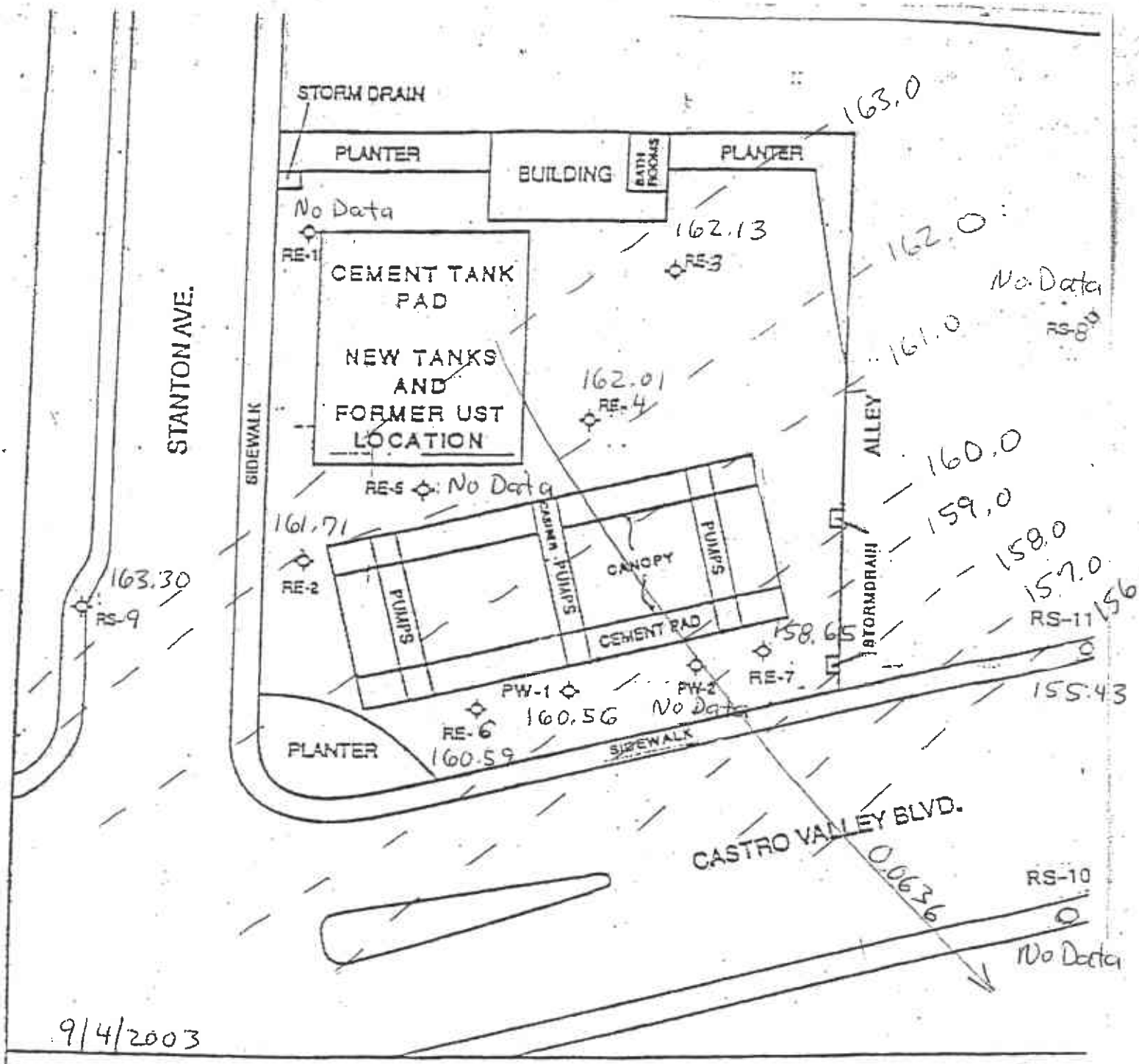
Benzene, toluene, ethlybenzene, and xylene analyzed by EPA method 8020.

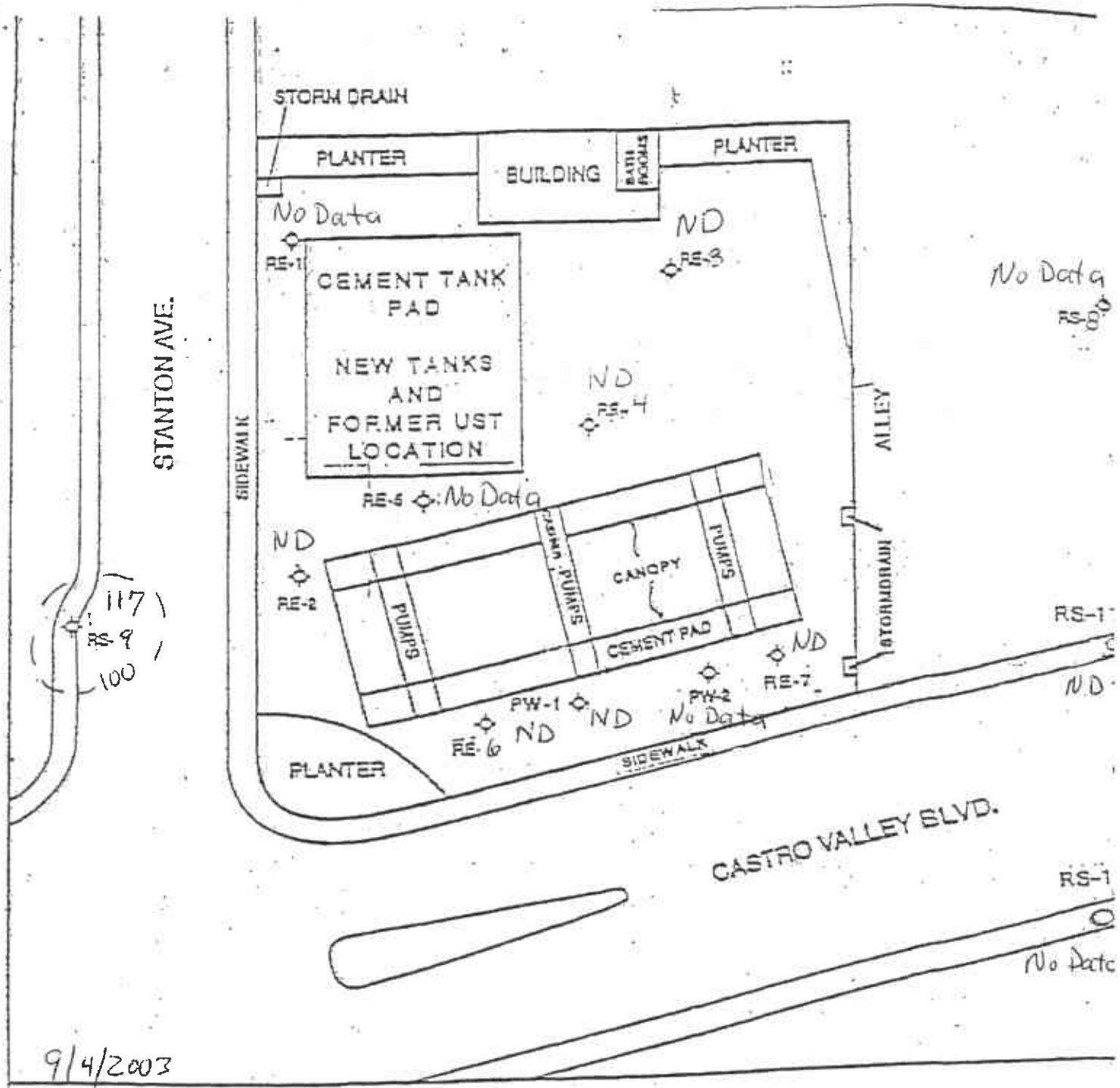
Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline

Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020

On June 8, 2000, BTEX and MTBE analyzed by EPA Method 8260B

FIGURES


STORM DRAIN
PLANTER
BUILDING
BATH ROOMS
PLANTER
163.0
No Data
RE-1
162.13
RE-3
162.0
No Data
RS-8
161.0
CEMENT TANK PAD
NEW TANKS AND FORMER UST LOCATION
162.01
RE-4
STANTON AVE.
SIDEWALK
ALLEY
160.0
159.0
158.0
157.0
RE-5
No Data
161.71
RE-2
163.30
RS-9
PUMPS
PUMPS
CANOPY
PUMPS
STORM DRAIN
RS-11
156
CEMENT PAD
158.65
RE-7
PW-1
PW-2
155.43
RE-6
160.56
No Data
PLANTER
160.59
SIDEWALK
CASTRO VALLEY BLVD.
0.0636
RS-10
No Data
9/4/2003
Datum is Mean Sea Level
GROUNDWATER CONTOUR MAP
THRIFTY OIL CO. #054
CASTRO VALLEY, CALIFORNIA
Prepared for
THRIFTY OIL CO.
SANTA FE, SPRINGS
CALIFORNIA
0
25
50
SCALE IN FEET
EXISTING MONITORING WELL
FIGURE 1



9/4/2003

ug/L

ND = Not Detected

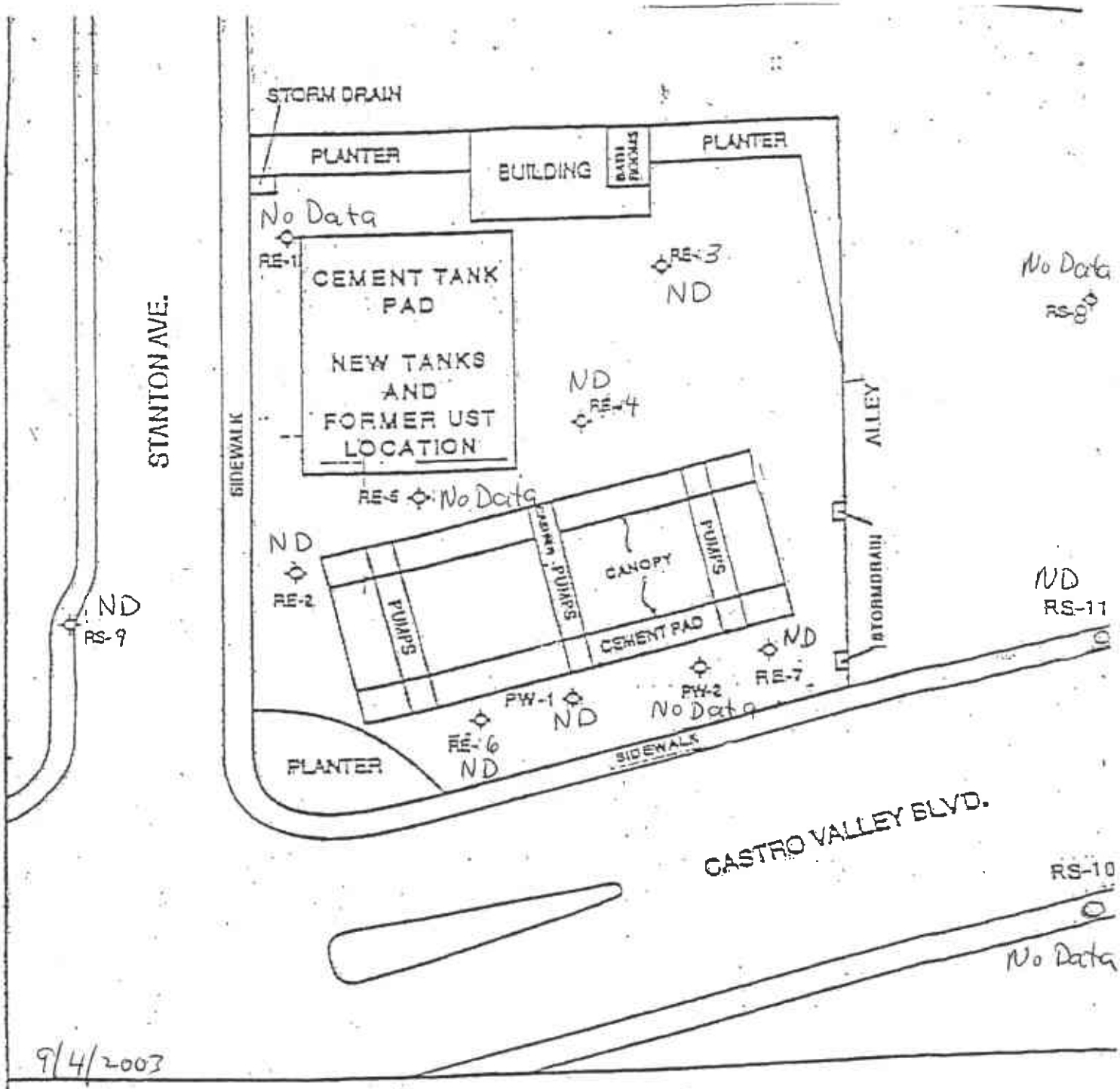
TPH-g Isoconcentration Map
THRIFTY OIL CO. #054
CASTRO VALLEY, CALIFORNIA
Prepared for
THRIFTY OIL CO.
SANTA FE, SPRINGS
CALIFORNIA

0 25 50
SCALE IN FEET

N

EXISTING MONITORING WELL

FIGURE 2



9/4/2003

ug/L

ND = Not Detected

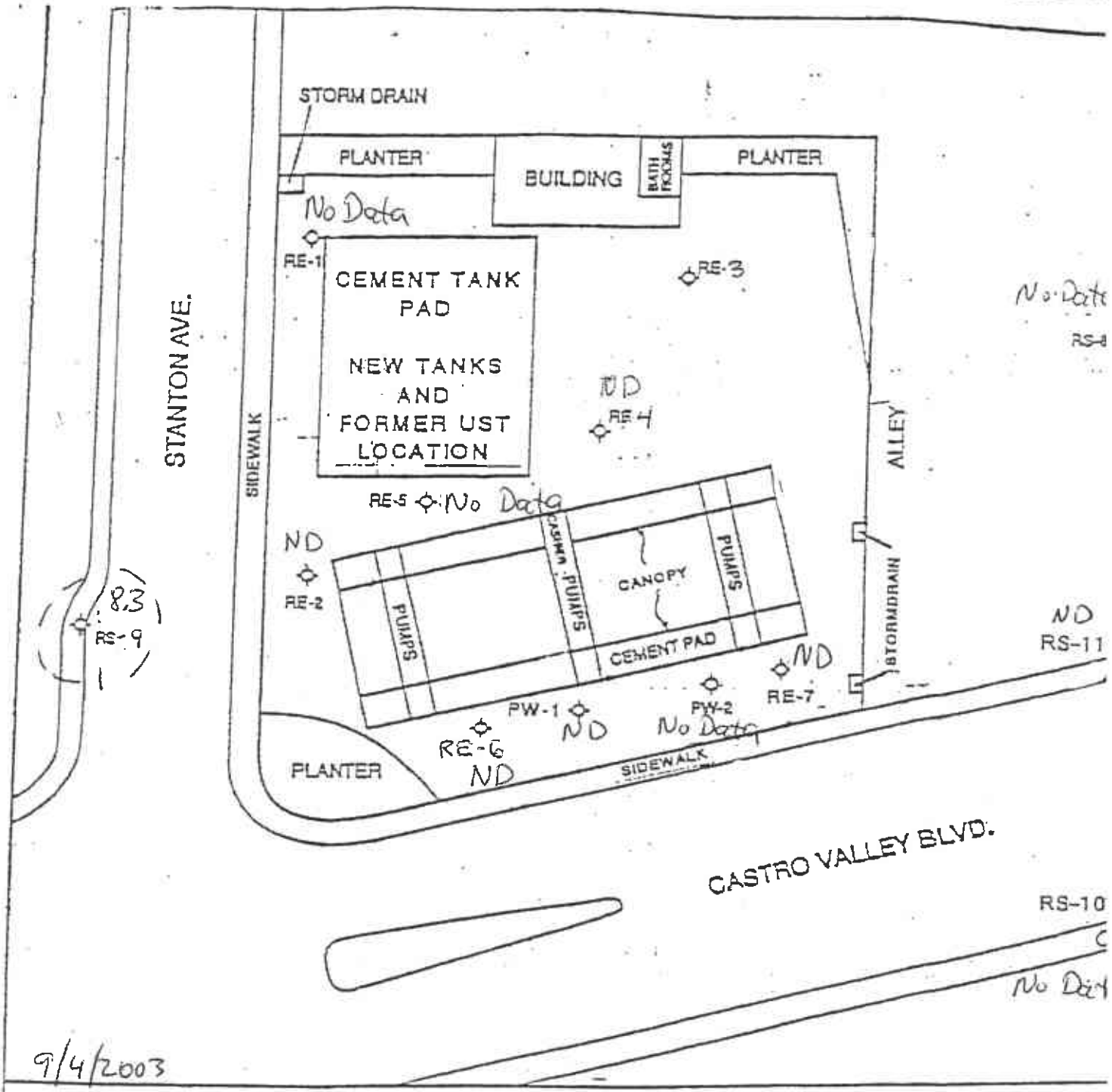
Benzene Isoconcentration Map
THRIFTY OIL CO. #054
CASTRO VALLEY, CALIFORNIA
Prepared for
THRIFTY OIL CO.
SANTA FE SPRINGS
CALIFORNIA

0 25 50
SCALE IN FEET

N

EXISTING MONITORING WELL

FIGURE



9/4/2003

ug/L

ND = Not Detected

MTBE ISOCONCENTRATION MAP ug/L

THRIFTY OIL CO. #054

CASTRO VALLEY, CALIFORNIA

Prepared for

THRIFTY OIL CO.

SANTA FE, SPRINGS

CALIFORNIA

0 25 50

SCALE IN FEET

EXISTING MONITORING WELL

FIGURE 4

APPENDIX A

EARTH MANAGEMENT CO.
Environmental Remediation

PROJECT STATUS REPORT

SITE: THRIFTY OIL CO. # 054
ADDRESS: 2504 CASTRO VALLEY BLVD.
CASTRO VALLEY, CA.94546

DATE: 09.04.03

PERSONNEL: SERBAN

	WELL ID	DTP (FT)	DTW (FT)	DTB (FT)	PT (FT)	WC (FT)	DIA (IN)	PURGE (GAL) EST.	PURGE (GAL) ACT.	COMMENT
	MONTHLY/QUARTERLY									
1	PW-1		5.90	13.93			4"	21	21	
2	PW-2		—				4"			
3	RE-1		—				4"			
4	RE-2		5.48	16.96			4"	30	30	
5	RE-3		5.26	17.51			4"	32	32	
6	RE-4		4.93	14.50			4"	25	25	
7	RE-5		—				4"			
8	RE-6		5.92	13.57			4"	20	20	
9	RE-7		7.39	13.13			4"	15	15	
10	RS-8		—				2"			
11	RS-9		4.21	14.94			2"	7	7	OFFSITE
12	RS-10		—				2"			OFFSITE
13	RS-11		7.85	24.72			2"	11	11	OFFSITE

FREE PRODUCT REMOVED: APPROX. — GALLONS

PURGE-WATER REMOVED: APPROX. 160 GALLONS

REMARKS: Q. W. S.

EXPLANATION:
DTP= DEPTH TO PRODUCT, DTW= DEPTH TO WATER, DTB= DEPTH TO BOTTOM; ALL MEASURED FROM TOP OF CASING
PT= PRODUCT THICKNESS, WC= WATER COLUMN, DIA= DIAMETER, EST=ESTIMATE, ACT= ACTUAL, FT= FEET, GAL= GALLONS

REV: 8/28/02

Appendix C

Permits

FILE COPY

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2492 Castro Valley Blvd. Castro Valley, CA

CLIENT
Name Exxon Mobil Corporation
Address 2300 Clayton Rd. #1307 Phone 925-246-8987
City Pleasant Hill, Ca Zip 94523

APPLICANT
Name ETIC Engineering, Inc.
Address 2285 Morello Avenue Fax 925-602-4720 Phone 925-682-4310
City Pleasant Hill, CA Zip 94523

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☑
Monitoring	☐	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	☒ Hydraulic Hammer		

DRILLER'S NAME Vironex

DRILLER'S LICENSE NO. C57-705927

WELL PROJECTS
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in. Depth ____ ft.
Surface Seal Depth ____ ft. Owner's Well Number ____

GEOTECHNICAL PROJECTS
Number of Borings 4 Maximum
Hole Diameter 5 in. Depth 25 ft.

STARTING DATE Nov. 5th 2003

COMPLETION DATE Nov. 7th 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68

APPLICANT'S SIGNATURE ____ DATE 10-28-03

PLEASE PRINT NAME ____ Rev.5-15-02

FOR OFFICE USE

PERMIT NUMBER W03-0982
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL / Contamination
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED ____ DATE 10-28-03

PERMITS

Work Order (WO)* Number: 80001
*This WO is ___ / is not ✓ open for charges.

Permit Number: R03 LD 4439
Permit Issuance Date: 11/05/03
Permit Expiration Date: 11/04/04

COUNTY OF ALAMEDA PUBLIC WORKS AGENCY

399 Elmhurst St., Hayward, CA 94544 - Phone: (510)670-5429 - Fax: (510)293-0960

ROADWAY ENCROACHMENT PERMIT

This Permit is issued in accordance with Chapter 12.08 of the Alameda County Ordinance Code

Name & Address of Property Owner:
Cal Lube Real Estate Partnership I
c/o William Slautterback
530 Lytton Ave, Palo Alto, CA 94301
Phone Number:

Job Site Address:
2492 Castro Valley Blvd.,
Castro Valley, CA

Name & Address of Contractor:
ETIC Engineering, Inc
2285 Morello Avenue
Pleasant Hill, CA 94523
Phone Number: 925-602-4710

(This statement to be completed by the Agency)
This permit is issued to the owner __ / contractor ✓;
if "owner" is checked, he/she is __ / is not __ exempt from the requirement that work in the roadway be performed by a licensed contractor.

The Applicant intends to perform the following work scope:

Perform utility clearance activities and drilling of soil borings at Stanton Av. and Castro Valley Blvd.

- One travel line shall remain open at all times.
- All travel lines shall be open during both the morning (6:00-10:00) and the evening (2:30-6:00)
- Installation of traffic control as shown on the attached map.

Licensed Contractor Declaration:

I hereby affirm, under penalty of perjury, that I hold the following contractor's license, which is in full force and effect, under the applicable provisions of the State Business and Professions Code.

License Class and No. A HAZ C10-624022
Contractor's Signature: [signature] AND PRESIDENT ETIC
11/3/03

Worker's Compensation Insurance Declaration:

I hereby affirm, under penalty of perjury, that I will, during the performance of any and all work authorized by this permit, satisfy the requirements of the State Labor Code with regard to Worker's Compensation Insurance, as declared below:

___ I will maintain a certificate of consent to self-insure.
X I will maintain the following insurance policy:
Carrier's Name and Policy No.:
Republic Indemnity 1563062
___ I will not employ any person in any manner so as to become subject to the worker's compensation laws of the State.

Owner's/Contractor's Signature:

All work and/or access shall be performed in accordance with the requirements of Chapter 12.08 and, unless otherwise specified below, shall be fully compliant with each of the terms and conditions of the attached General Provisions:

Bond Information:

BY: [signature] Alameda County

Insp. Fee ✓ or Deposit ___: $ 50
125

Work Completed (Date): ____________

Inspector:

I certify that the information that I have entered into this permit application is correct, and I agree to comply with all of the terms and conditions and other requirements of the issued Permit.

Signature of Applicant ____________ Date ____________

The Permittee is responsible for notifying the Inspection Office listed on the back of this form.
THIS PERMIT IS INCOMPLETE WITHOUT THE ATTACHED GENERAL PROVISIONS

FILE COPY

PERMITS

- All encroachments authorized by this Permit shall be subject to inspection by a County representative.

- The planned inspections will be performed by the County office(s) designated below; unless otherwise indicated, it shall be the Permittee's responsibility to notify the designated office(s) – prior to the start of the encroachment.

✓	Case 1:-	The work described in this Permit must be inspected and accepted by the County. Contact the Permit Inspection Office at 670-6601 at least 24 hours in advance to arrange for the required tests and inspections. TOM 670 5979
___	Case 2:-	The work described in this Permit must be inspected and accepted by the County. Contact Traffic Engineering at 670-6456 or 670-5599 at least 24 hours in advance to arrange for the required tests and inspections.
___	Case 3:-	Some or all of the work described in this Permit must be inspected by the following representative of the County:
___	Case 4:-	Notification of the County is not required.

- If the face of this Permit is marked to indicate that the assigned County WO is open for charges, a job account will be opened and the assigned inspectors will charge the actual cost of all required tests and inspections against this account. All cost overruns must be resolved prior to close-out of this Permit. Any underruns will returned to the Permittee as soon as possible following the close-out.

CAUTION!

Most traffic signals and some streetlights are connected to their power sources with underground wiring. Many signals are also wired to traffic detector loops buried in the roadway. None of these County-owned wiring runs are included in the Underground Service Alert (USA) review and marking processes.

If you intend to excavate the roadway right-of-way within 500' of a traffic signal, or wherever the streetlight wiring is underground, you must contact the County traffic signal maintenance office for the necessary review and marking.

IF YOU ARE CLOSE TO SIGNALS OR STREET LIGHTS,
CALL ERIK DAYTON AT (510) 670-5537,
AT LEAST 48 HRS. IN ADVANCE OF YOUR PLANNED DIG.

WARNING!

If you fail to notify us – and dig through or damage our loops or wire runs – you will be charged for the cost of our emergency repairs ($300 - $500, or more)!

Revised 4/5/01

Appendix D

Field Protocols

PROTOCOLS FOR INSTALLATION, SAMPLING, AND ABANDONMENT OF SINGLE TUBE DIRECT PUSH BORINGS

SINGLE TUBE SOIL CORING PROCEDURES

All boreholes are marked for Underground Service Alert (USA) personnel, and USA is contacted at least 48 hours prior to drilling. A licensed utility line locator is subcontracted by ETIC to clear the marked boring location for drilling.

Soil samples are collected for lithologic and chemical analysis using a direct driven single tube soil coring system. A hydraulic hammer drives sampling rods into the ground to collect continuous or discrete soil cores. 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 rods. Soil samples are collected in sleeves inside the sample barrel as the rods are advanced. After being driven 2 to 4 feet (depending on the sample interval and the length of the sample barrel), the rods are removed from the borehole. The sleeves containing the soil samples are removed from the sample barrel, and can then be preserved for chemical analyses or used for lithologic identification. Samples to be preserved for chemical analyses are sealed with Teflon tape and caps, and placed in a cooler with ice. The soil is scanned with a flame ionization detector or a photo-ionization detector. After adding new sleeves, the drive sampler and rods are then lowered back into the borehole to the previous depth and the process is repeated until the desired depth is reached.

All drive casing, sample barrels, rods, and tools are cleaned with Alconox or equivalent detergent and deionized water. All soil is contained in drums or stockpiles for later disposal.

GROUNDWATER SAMPLING PROCEDURES

After the targeted water-bearing zone has been penetrated, the sample barrel is removed 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. Groundwater samples may then be collected with a bailer, peristaltic pump, bladder pump or inertial pump until adequate sample volume is obtained.

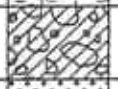
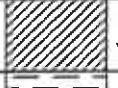
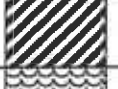
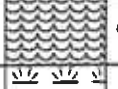
Groundwater samples are preserved, stored in an ice-filled cooler, and are delivered, under chain-of-custody, to a laboratory certified by the California Department of Health Services (DHS) for hazardous materials analysis.

BOREHOLE GROUTING

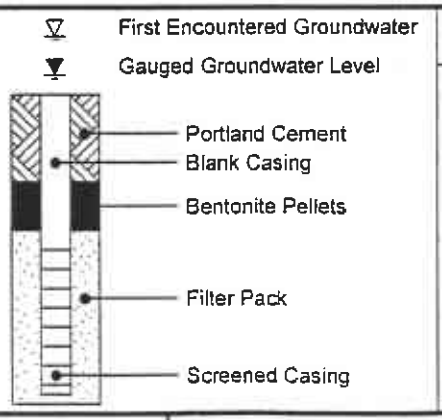
On completion of sampling, each borehole is abandoned with a cement grout containing less than 5 percent pure sodium bentonite. The grout is allowed to free-fall in the boring or pumped through a grouting tube positioned at the bottom of the borehole depending on the subsurface conditions and/or the requirements of the local oversight agency. Sealed boreholes are completed at the surface to match the surrounding conditions.

Appendix E

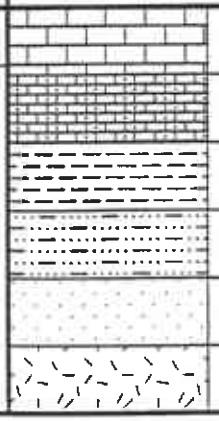
Boring Logs

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



DRILL LOG ROCK TYPES



ETIC ENGINEERING

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

ETIC ENGINEERING

LOG OF SOIL BORING: **SB1**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	04-334	2492 Castro Valley Blvd. Castro Valley, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Drill Rig using 4' (2" dia.) sampler. Hand Augered to 5 ft bgs.

				START	FINISH
WATER LEVEL	Dry	Dry			
TIME	1500	0825		TIME 1045	TIME 1149
DATE	11/12/03	11/13/03		DATE 11/12/03	DATE 11/12/03
REFERENCE					

SURFACE CONDITIONS: Asphalt 2"

DESCRIPTION BY: J. Henry/H. Barry

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION	DETAILS
				0		ASPHALT 2"	
				1	CL	CLAY: black (10YR 2/1), hard, non to low plasticity, dry.	
				2	CL		
				3	CL		
				4	CL	SILTY CLAY: light gray (2.5Y 7/2) with black mottling, hard, non plasticity, dry.	
36	36	-	0.7	5	CL	Color change to greenish gray (10Y 6/1), minor sand content. CLAYEY SILT: greenish gray (10Y 6/1), hard, low plasticity, minor moisture.	
				6	ML		
			0.4	7	ML	Color change to pale olive (5Y 6/3 to 6/4), increased clay content. Color change to light olive brown (2.5Y 5/4), decreased clay content, minor sand content.	
48	48	-		8	ML		
				9	ML	Very hard, increased very fine to fine sand content.	Cement Grout from Surface to 18.0 ft
				10	ML		
			0.5	11	ML	SILT: light olive brown (2.5Y 5/4), very hard, non plasticity, dry, iron stains.	
36	36	-		12	ML		
				13	ML		
			0.2	14	ML		
36	36	-		15	ML		
				16	ML		
			0.3	17	ML		
				18	ML	Color change to olive gray (5Y 4/2). Boring terminated at 18.0 ft bgs. Refusal	
				19			
				20			

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE RECOVERED

LOG OF SOIL BORING 04334.GPJ ETIC.GDT 2/5/04

ETIC ENGINEERING

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	04-334	2492 Castro Valley Blvd. Castro Valley, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Drill Rig using 4' (2" dia.) sampler. Hand Augered to 5 ft bgs.

LOG OF SOIL BORING: SB2

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

				START	FINISH
WATER LEVEL	Dry	▼ 14.0			
TIME	1200	1500		TIME 0815	TIME 1030
DATE	11/12/03	11/12/03		DATE 11/12/03	DATE 11/12/03
REFERENCE		GS			

SURFACE CONDITIONS: Asphalt 2"

DESCRIPTION BY: J. Henry/H. Barry

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION
				0		ASPHALT 2"
				1	CL	CLAY: black (10YR 2/1), hard, non to low plasticity, dry.
				2		
				3		
				4	CL	SILTY CLAY: light gray (2.5Y 7/2) with black mottling, hard, non plasticity, dry.
36	36	-	1.3	5		CLAYEY SILT: olive yellow (2.5Y 6/6), soft, crumbly, low plasticity, very fine to fine sand, dry.
				6	ML	Very fine sand to minor coarse sand.
			0.7	7		
36	36	-		8		Color change to pale yellow (5Y 7/4), decreased clay content, decreased sand content.
				9		Color change to olive yellow (2.5Y 6/6), increased clay content. CLAYEY SILT: light olive brown (2.5Y 5/6), hard, crumbly, non to low plasticity, very rare very fine sand, dry.
			0.7	10	ML	Increased very fine to fine sand content, minor moisture.
36	36	-	0.4	11		SILT: olive brown to dark olive brown (2.5Y 4/4 to 3/3), hard, crumbly, non plasticity, very fine to fine sand, dry.
				12		
				13		
				14 ▼	ML	Very hard, decreased sand content, very dry.
36	36	-		15		
				16		
			0.7	17		Boring terminated at 17.0 ft bgs. Refusal
				18		
				19		
				20		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

DETAILS

LOG OF SOIL BORING 04334.GPJ ETIC.GDT 2/5/04

ETIC ENGINEERING

LOG OF SOIL BORING: **SB3**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	04-334	2492 Castro Valley Blvd. Castro Valley, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Drill Rig using 4' (2" dia.) sampler. Hand Augered to 5 ft bgs.

				START	FINISH
WATER LEVEL	▽ 9.0	▼ 5.8			
TIME	1420	1441		TIME 1405	TIME 1510
DATE	11/12/03	11/12/03		DATE 11/12/03	DATE 11/12/03
REFERENCE	GS	GS			

SURFACE CONDITIONS: Asphalt 3"

DESCRIPTION BY: J. Henry/H. Barry

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION
				0		ASPHALT 3"
				1		FILL: very fine to fine sand, gravel, subangular to angular.
				2		
				3		Cobble clasts up to 6" diameter, angular.
				4		
36	36	-	14.5	5		CLAYEY SILT: dark greenish gray (5GY 3/1), firm low to medium plasticity, minor very fine to fine sand, damp
			9.1	6		
				7	ML	Color change to light olive gray (5Y 6/1).
48	48	-		8		
				9		SAND: dark greenish gray (5GY 3/1), loose, very fine to fine sand, minor medium sand, no fines, saturated.
			553	10		
				11		
48	48	-		12	SP	
				13		
				14		
			16.2	15	ML	SANDY SILT: light olive brown (2.5Y 5/4), soft, low plasticity, very fine to fine sand, minor medium sand, wet.
48	48	-	382	16		SAND: dark greenish gray (5GY 3/1), loose, very fine to fine sand, minor medium sand, no fines, saturated.
				17	SP	
				18		
			5.3	19	ML	SILT: olive brown (2.5Y hard, crumbly, non plasticity, dry.
				20		Boring terminated at 20.0 ft bgs

DETAILS

Cement Grout from Surface to 20.0 ft

LOG OF SOIL BORING: 04334.GPJ ETIC.GDT 2/5/04

ETIC ENGINEERING

LOG OF SOIL BORING: **SB4**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	04-334	2492 Castro Valley Blvd. Castro Valley, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Drill Rig. Hand Augered to 2 ft bgs. Groundwater from tank backfill entered, boring abandoned.

				START	FINISH
WATER LEVEL	▼ 2.0				
TIME	1525			TIME 1515	TIME 1630
DATE	11/12/03			DATE 11/12/03	DATE 11/12/03
REFERENCE	GS				

SURFACE CONDITIONS: Asphalt 3"

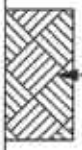
DESCRIPTION BY: J. Henry/H. Barry

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG
				0				
				1				
				▼ 2				
				3				
				4				
				5				
				6				
				7				
				8				
				9				
				10				
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				

ASPHALT 2"
Gravel clasts up to 2" diameter, angular. Boring abandoned due to the entrance of groundwater from fill material.

Boring terminated at 2.0 ft bgs

DETAILS



Cement Grout from Surface to 2.0 ft

LOG OF SOIL BORING 04334.GPJ ETIC.GDT 2/5/04

ETIC ENGINEERING

LOG OF SOIL BORING: **SB5**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	04-334	2492 Castro Valley Blvd. Castro Valley, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Drill Rig using 4' (2" dia.) sampler. VAC cleared to 8 ft bgs.

				START	FINISH
WATER LEVEL	▽ 12.0	▼ 5.3			
TIME	1304	1324		TIME 1126	TIME 1245
DATE	11/13/03	11/13/03		DATE 11/13/03	DATE 11/13/03
REFERENCE	GS	GS			

SURFACE CONDITIONS: Asphalt 6"

DESCRIPTION BY: J. Henry/H. Barry

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION
				0		Asphalt 6"
				1	CL	SILTY CLAY: pale olive (5Y 6/3) with olive mottling, hard, non to low plasticity, rare very fine to fine sand, damp to moist.
				2		CLAY: very dark brown (10YR 2/1), hard, non to low plasticity. (VAC clearing sample).
				3		
				4		SILTY CLAY: light gray (2.5Y 7/2) with black mottling, hard, non plasticity. (VAC clearing sample).
				5 ▼		
				6		
				7		
48	48	-	0.1	8		
				9		
				10		
			2.4	11		SILT: olive (5Y 5/6), hard, crumbly, low plasticity, minor very fine to fine sand, damp to moist.
48	48	-		12 ▽	ML	Increased very fine to fine sand content.
				13		Decreased very fine to fine sand content.
				14		
				15		Increased very fine to fine sand content, damp.
			0.3	16		
12	12	-	0.3	17		Boring terminated at 17.0 ft bgs. Refusal
				18		
				19		
				20		

DETAILS

LOG OF SOIL BORING 04334.GPJ ETIC.GDT 2/5/04

ETIC ENGINEERING

LOG OF SOIL BORING: SB6

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	04-334	2492 Castro Valley Blvd. Castro Valley, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Drill Rig using 4' (2" dia.) sampler. VAC cleared to 8 ft bgs.

				START	FINISH
WATER LEVEL	▽ 12.0				
TIME	1105			TIME 1030	TIME 1400
DATE	11/13/03			DATE 11/13/03	DATE 11/13/03
REFERENCE	GS				

SURFACE CONDITIONS: Asphalt 6"

DESCRIPTION BY: J. Henry/H. Barry

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG	DESCRIPTION
				0					Asphalt 6"
				1					SILTY CLAY: pale olive (5Y 6/3) with olive mottling, hard, non to low plasticity, rare very fine to fine sand, damp to moist.
				2					
				3					
				4					
				5				CL	
				6					
				7					
				8					
48	48	-	1.5	9		X			
				10					SILT: olive (5Y 5/6) with gray mottling, hard, crumbly, low plasticity, minor very fine sand, damp to moist.
			0.8	11		X			Increased very fine to fine sand content, wet. Color change to olive (5Y 4/3), moist.
				12 ▽				ML	
36	36	-		13					Increase very fine to fine sand, wet.
			0.3	14					
				15		X			Boring terminated at 15.0 ft bgs. Refusal.
				16					
				17					
				18					
				19					
				20					

DETAILS

LOG OF SOIL BORING 04334.GPJ ETIC.GDT 2/5/04

ETIC ENGINEERING

LOG OF SOIL BORING: **SB7**

COORDINATES:

ELEVATION TOP OF CASING:

CASING BELOW SURFACE:

DRILLING COMPANY: Vironex

LICENSE NUMBER: C57-705927

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	04-334	2492 Castro Valley Blvd. Castro Valley, CA

DRILLING AND SAMPLING METHODS: Geoprobe 5400 Drill Rig using 4' (2" dia.) sampler. Hand Augered to 5 ft bgs.

				START	FINISH
WATER LEVEL	Dry				
TIME	1400			TIME 0848	TIME 1000
DATE	11/13/03				
REFERENCE				DATE 11/13/03	DATE 11/13/03

SURFACE CONDITIONS: Asphalt 2"

DESCRIPTION BY: J. Henry/H. Barry

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	DESCRIPTION
				0	CL	ASPHALT 2" CLAY: black (10YR 2/1), hard, non to low plasticity, dry.
				1		
				2		
				3		
				4	CL	SILTY CLAY: light gray (2.5Y 7/2) with black mottling, hard, non plasticity, dry.
				5		
36	36	-		6		CLAYEY SILT: pale yellow (2.5Y 8/3), firm, low to medium plasticity, dry.
			0.3	7	ML	Decreased clay content, minor very fine sand.
				8		Color change to light olive brown (2.5Y 5/4), continued decrease in clay content, minor moisture.
48	48	-		9		SANDY SILT: olive brown (2.5Y 4/4), hard, crumbly, non plasticity, very fine to fine sand, dry.
			0.5	10		
				11		
48	48	-		12	ML	Color change to light olive brown (2.5Y 5/3), very hard, minor very fine to fine sand.
			0.3	13		
				14		
				15		
12	12	-	0.1	16		
				17		Boring terminated at 17.0 ft bgs. Refusal
				18		
				19		
				20		

DETAILS

LOG OF SOIL BORING 04334.GPJ ETIC.GDT 2/5/04

Appendix F

Laboratory Analytical Reports

TestAmerica
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11/19/03 CASE NARRATIVE

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 04-334
Project Number: .
Laboratory Project Number: 354156.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
SB1-5.5-6	03-A178135	11/12/03
SB1-11-11.5	03-A178136	11/12/03
SB1-14.5-15	03-A178137	11/12/03
SB1-17.5-18	03-A178138	11/12/03
SB2-5.5-6	03-A178139	11/12/03
SB2-10-10.5	03-A178140	11/12/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 11/19/03

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178135
Sample ID: SB1-5.5-6
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 11:13
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	81.9	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	11/17/03	1:41	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	1:41	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/17/03	1:41	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/17/03	1:41	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	5.05	1	11/17/03	1:41	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	9.88	1	11/18/03	4:27	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/16/03	0:37	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.3 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	15:45	Fitzwater	5035
BTX Prep	4.95 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178135
Sample ID: SB1-5.5-6
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	65. - 119.
TPH Hi Surr., o-Terphenyl	75.	35. - 135.
VOA Surr 1,2-DCA-d4	70.	58. - 139.
VOA Surr Toluene-d8	86.	71. - 127.
VOA Surr, 4-BFB	85.	60. - 141.
VOA Surr, DBFM	87.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178136
Sample ID: SB1-11-11.5
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 11:25
Date Received: 11/14/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	84.7	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.002	mg/kg	0.001	1	11/17/03	2:13	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	2:13	J. Hunter	8021B	8496
Toluene	0.0022	mg/kg	0.001	1	11/17/03	2:13	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/17/03	2:13	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	4.88	1	11/17/03	2:13	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10.1	1	11/18/03	5:52	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/16/03	0:56	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.00 g	5.0 ml	11/14/03	15:50	Fitzwater	5035
BTX Prep	5.12 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178136
Sample ID: SB1-11-11.5
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	65. - 119.
TPH Hi Surr., o-Terphenyl	65.	35. - 135.
VOA Surr 1,2-DCA-d4	67.	58. - 139.
VOA Surr Toluene-d8	94.	71. - 127.
VOA Surr, 4-BFB	95.	60. - 141.
VOA Surr, DBFM	79.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178137
Sample ID: SB1-14.5-15
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 11:32
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	85.4	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0027	mg/kg	0.001	1	11/17/03	2:45	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	2:45	J. Hunter	8021B	8496
Toluene	0.0061	mg/kg	0.001	1	11/17/03	2:45	J. Hunter	8021B	8496
Xylenes, total	0.0029	mg/kg	0.001	1	11/17/03	2:45	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	4.98	1	11/17/03	2:45	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10.1	1	11/18/03	6:14	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/16/03	1:15	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.7 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	15:55	Fitzwater	5035
BTX Prep	5.02 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178137
Sample ID: SB1-14.5-15
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	65. - 119.
TPH Hi Surr., o-Terphenyl	77.	35. - 135.
VOA Surr 1,2-DCA-d4	68.	58. - 139.
VOA Surr Toluene-d8	108.	71. - 127.
VOA Surr, 4-BFB	109.	60. - 141.
VOA Surr, DBFM	88.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178138
Sample ID: SB1-17.5-18
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 11:48
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	85.6	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0051	mg/kg	0.001	1	11/17/03	3:18	J. Hunter	8021B	8496
Ethylbenzene	0.0011	mg/kg	0.001	1	11/17/03	3:18	J. Hunter	8021B	8496
Toluene	0.0112	mg/kg	0.001	1	11/17/03	3:18	J. Hunter	8021B	8496
Xylenes, total	0.0039	mg/kg	0.001	1	11/17/03	3:18	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	5.06	1	11/17/03	3:18	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10	1	11/18/03	6:35	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/16/03	1:34	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	4.97 g	5.0 ml	11/14/03	16:00	Fitzwater	5035
BTX Prep	4.94 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178138
Sample ID: SB1-17.5-18
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	91.	65. - 119.
TPH Hi Surr., o-Terphenyl	83.	35. - 135.
VOA Surr 1,2-DCA-d4	72.	58. - 139.
VOA Surr Toluene-d8	141. #	71. - 127.
VOA Surr, 4-BFB	117.	60. - 141.
VOA Surr, DBFM	83.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178139
Sample ID: SB2-5.5-6
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 9:43
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	81.9	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	11/17/03	3:50	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	3:50	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/17/03	3:50	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/17/03	3:50	J. Hunter	8021B	8496
Petroleum Hydrocarbons	47.4	mg/kg	10	1	11/19/03	10:15	M. Ricke	418.1M	8948
TPH (Gasoline Range)	ND	mg/kg	4.93	1	11/17/03	3:50	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10	1	11/18/03	6:56	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/16/03	1:53	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	4.98 g	5.0 ml	11/14/03	16:05	Fitzwater	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178139
Sample ID: SB2-5.5-6
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.07 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	97.	65. - 119.
TPH Hi Surr., o-Terphenyl	74.	35. - 135.
VOA Surr 1,2-DCA-d4	67.	58. - 139.
VOA Surr Toluene-d8	91.	71. - 127.
VOA Surr, 4-BFB	93.	60. - 141.
VOA Surr, DBFM	86.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
M = Method 418.1 modified for soil analysis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178140
Sample ID: SB2-10-10.5
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 9:51
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	82.1	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0013	mg/kg	0.001	1	11/17/03	4:22	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	4:22	J. Hunter	8021B	8496
Toluene	0.0023	mg/kg	0.001	1	11/17/03	4:22	J. Hunter	8021B	8496
Xylenes, total	0.0018	mg/kg	0.001	1	11/17/03	4:22	J. Hunter	8021B	8496
Petroleum Hydrocarbons	30.3	mg/kg	10	1	11/19/03	10:15	M. Ricke	418.1M	8948
TPH (Gasoline Range)	ND	mg/kg	5.07	1	11/17/03	4:22	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	9.96	1	11/18/03	7:17	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/16/03	2:13	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	35.1 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.01 g	5.0 ml	11/14/03	16:10	Fitzwater	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178140
Sample ID: SB2-10-10.5
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	4.93 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	65. - 119.
TPH Hi Surr., o-Terphenyl	61.	35. - 135.
VOA Surr 1,2-DCA-d4	63.	58. - 139.
VOA Surr Toluene-d8	93.	71. - 127.
VOA Surr, 4-BFB	93.	60. - 141.
VOA Surr, DBFM	80.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
M = Method 418.1 modified for soil analysis.

End of Sample Report.

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ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 1
Laboratory Receipt Date: 11/14/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/kg	0.0013	0.0578	0.0500	113	42. - 150.	8496	03-A178140
Toluene	mg/kg	0.0023	0.0518	0.0500	99	34. - 149.	8496	03-A178140
Ethylbenzene	mg/kg	< 0.0010	0.0517	0.0500	103	31. - 154.	8496	03-A178140
Xylenes, total	mg/kg	0.0018	0.0989	0.100	97	55. - 142.	8496	03-A178140
Petroleum Hydrocarbons	mg/kg	< 10.0	693.	667.	104	94. - 112.	8948	blank
TPH (Gasoline Range)	mg/kg	< 5.07	10.6	10.0	106	70. - 134.	8496	03-A178140
TPH (Diesel Range)	mg/kg	< 10.0	38.8	40.0	97	50. - 129.	9937	03A178140
VOA Surr 1,2-DCA-d4	% Rec				94	58 - 139	9271	
VOA Surr Toluene-d8	% Rec				98	71 - 127	9271	
VOA Surr, 4-BFB	% Rec				100	60 - 141	9271	
VOA Surr, DBFM	% Rec				98	67 - 126	9271	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.0578	0.0472	20.19	30.	8496
Toluene	mg/kg	0.0518	0.0400	25.71	35.	8496
Ethylbenzene	mg/kg	0.0517	0.0373	32.36	37.	8496
Xylenes, total	mg/kg	0.0989	0.0709	32.98	47.	8496
TPH (Gasoline Range)	mg/kg	10.6	10.3	2.87	24.	8496
TPH (Diesel Range)	mg/kg	38.8	< 10.0	118.03#	43.	9937

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 2
Laboratory Receipt Date: 11/14/03

VOA Surr 1,2-DCA-d4	% Rec		95.			9271
VOA Surr Toluene-d8	% Rec		95.			9271
VOA Surr, 4-BFB	% Rec		100.			9271
VOA Surr, DBFM	% Rec		101.			9271
MISC PARAMETERS						
Petroleum Hydrocarbons	mg/kg	693.	696.	0.43	50	8948

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.113	113	71 - 132	8496
Toluene	mg/kg	0.100	0.0997	100	68 - 129	8496
Ethylbenzene	mg/kg	0.100	0.106	106	71 - 131	8496
Xylenes, total	mg/kg	0.200	0.202	101	66 - 131	8496
Petroleum Hydrocarbons	mg/kg	667.	703.	105	90 - 112	8948
TPH (Gasoline Range)	mg/kg	10.0	10.6	106	80 - 127	8496
TPH (Diesel Range)	mg/kg	40.0	41.5	104	50 - 125	9937
VOA PARAMETERS						
Methyl-t-butyl ether	mg/kg	0.0500	0.0461	92	58 - 142	9271
VOA Surr 1,2-DCA-d4	% Rec			95	58 - 139	9271
VOA Surr Toluene-d8	% Rec			99	71 - 127	9271
VOA Surr, 4-BFB	% Rec			100	60 - 141	9271
VOA Surr, DBFM	% Rec			102	67 - 126	9271

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 3
Laboratory Receipt Date: 11/14/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	8496	11/16/03	15:58
Toluene	< 0.0010	mg/kg	8496	11/16/03	15:58
Ethylbenzene	< 0.0010	mg/kg	8496	11/16/03	15:58
Xylenes, total	< 0.0010	mg/kg	8496	11/16/03	15:58
Petroleum Hydrocarbons	< 10.0	mg/kg	8948	11/19/03	10:15
TPH (Gasoline Range)	< 5.00	mg/kg	8496	11/16/03	15:58
TPH (Diesel Range)	< 10.0	mg/kg	9937	11/18/03	11:58
UST surr-Trifluorotoluene	98.	% Recovery	8496	11/16/03	15:58
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.0006	mg/kg	9271	11/15/03	19:30
VOA Surr 1,2-DCA-d4	109.	% Rec	9271	11/15/03	19:30
VOA Surr Toluene-d8	100.	% Rec	9271	11/15/03	19:30
VOA Surr, 4-BFB	104.	% Rec	9271	11/15/03	19:30
VOA Surr, DBFM	103.	% Rec	9271	11/15/03	19:30

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 354156

TestAmerica INCORPORATED

[redacted] Nashville Division [redacted] OF [redacted]DY [redacted]RD [redacted]

2960 Foster Creighton
Nashville, TN 37204

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Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

354156

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Project Mgr: Bryan Campbell
Telephone Number: (925) 602-4710 EXT. 24 Fax No.: (925) 602-4720
Sampler Name: (Print) Jacob Henry
Sampler Signature: [signature]

Report To: Jacob Henry
Invoice To: GENE ORTEGA (EXXONMOBIL TM)
Account #: 3865
PO #:
Facility ID # 04-334
Site Address 2492 Castro Valley Blvd.
City, State Zip Castro Valley, CA

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	2 Unpreserved Liters	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	MTBE BY ~~8021B~~ 8260B	TPH-AS HEATING OIL BY 8015	CONFIRM MTBE HITS BY 8260B	TPH-D BY 8015 with silica gel cleanup	Total Lead	Oil and Grease by 418.1 with silica gel cleanup				HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
SB1-5.5-6	11/12/03	1113	1				X												X		X	X			X			17	81	35				X	
SB1-7.5-8		1119	1				X												X												X				
SB1-11-11.5		1125	1				X												X		X	X			X			17	81	36				X	
SB1-14.5-15		1132	1				X												X		X	X			X			17	81	37				X	
SB1-17.5-18		1148	1				X												X		X	X			X			17	81	38				X	
SB2-5.5-6		0943	1				X												X		X	X			X		X	17	81	39				X	
SB2-7.5-8		0947	1				X												X												X				
SB2-10-10.5		0951	1				X												X		X	X			X		X	17	81	40				X	
SB2-11.5-12		1006	1				X												X												X				
SB2-16.5-17		1024	1				X												X		X	X			X		X				X				

Special Instructions: GLOBAL ID# T0600101275 EDF FILE REQUIRED

~~CONFIRM ALL MTBE HITS BY 8260B~~

Laboratory Comments:
Temperature Upon Receipt: 4°c
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Campbell	11/13/03	1700			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			[signature]	11/14/03	810

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC# 354156

Client: ETIC Eng

Cooler Received On: 11/14/03 And Opened On: 11/14/03 By: James Jacobs

(Signature)

1. Temperature of Cooler when opened 4 **Degrees Celsius**
2. Were custody seals on outside of cooler?.....YES...NO...NA
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?.....NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
5. Were custody papers inside cooler?.....YES...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice pack Ice(direct contact) Dry ice Other None
10. Did all containers arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all container labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all container labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct containers used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each container?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

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11/20/03 CASE NARRATIVE

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 04-334
Project Number: .
Laboratory Project Number: 354144.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
SB3-5-5.5	03-A178057	11/12/03
SB3-10.5-11	03-A178058	11/12/03
SB3-15.5-16	03-A178059	11/12/03
SB3-16.5-17	03-A178060	11/12/03
SB3-19.5-20	03-A178061	11/12/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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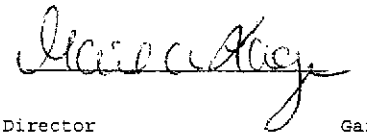
Report Approved By:  Report Date: 11/20/03

Ashley Morris, Lab Director
Michael H. Dunn, M.S., QA/QC Director
Johnny A. Mitchell, Operations Manager Organics
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178057
Sample ID: SB3-5-5.5
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 14:13
Date Received: 11/14/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	78.8	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.131	mg/kg	0.001	1	11/17/03	11:52	J. Hunter	8021B	665
Ethylbenzene	0.0456	mg/kg	0.001	1	11/17/03	11:52	J. Hunter	8021B	665
Toluene	0.0027	mg/kg	0.001	1	11/17/03	11:52	J. Hunter	8021B	665
Xylenes, total	0.0153	mg/kg	0.001	1	11/17/03	11:52	J. Hunter	8021B	665
TPH (Gasoline Range)	6.19	mg/kg	5.07	1	11/17/03	11:52	J. Hunter	8015B	665
TPH (Diesel Range)	ND	mg/kg	9.92	1	11/18/03	19:13	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	19:49	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.2 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	14:30	Fitzwater	5035
BTX Prep	4.93 g	5.0 ml	11/14/03	16:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178057
Sample ID: SB3-5-5.5
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	78.	65. - 119.
TPH Hi Surr., o-Terphenyl	92.	35. - 135.
VOA Surr 1,2-DCA-d4	104.	58. - 139.
VOA Surr Toluene-d8	118.	71. - 127.
VOA Surr, 4-BFB	112.	60. - 141.
VOA Surr, DBFM	104.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Trph-d surrogate recovery diluted out due to sample matrix

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178058
Sample ID: SB3-10.5-11
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 14:24
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	85.9	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	2.67	mg/kg	0.0495	50	11/17/03	12:25	J. Hunter	8021B	665
Ethylbenzene	19.6	mg/kg	0.099	100	11/18/03	9:18	J. Hunter	8021B	691
Toluene	0.782	mg/kg	0.0495	50	11/17/03	12:25	J. Hunter	8021B	665
Xylenes, total	32	mg/kg	0.198	200	11/19/03	14:22	J. Hunter	8021B	2848
TPH (Gasoline Range)	1960	mg/kg	495	100	11/18/03	9:18	J. Hunter	8015B	691
TPH (Diesel Range)	876	mg/kg	99.2	10	11/19/03	8:44	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.0502	50	11/18/03	20:13	T.Johnson	8260B	1084

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.2 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	4.98 g	5.0 ml	11/14/03	14:35	Fitzwater	5035
BTX Prep	5.05 g	5.0 ml	11/14/03	16:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178058
Sample ID: SB3-10.5-11
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	83.	65. - 119.
VOA Surr 1,2-DCA-d4	83.	58. - 139.
VOA Surr Toluene-d8	100.	71. - 127.
VOA Surr, 4-BFB	115.	60. - 141.
VOA Surr, DBFM	97.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
MTBE BY 8260 PQL ELEVATED DUE TO SAMPLE MATRIX.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178059
Sample ID: SB3-15.5-16
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 14:53
Date Received: 11/14/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	79.1	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0315	mg/kg	0.001	1	11/17/03	12:57	J. Hunter	8021B	665
Ethylbenzene	0.0593	mg/kg	0.001	1	11/17/03	12:57	J. Hunter	8021B	665
Toluene	0.0043	mg/kg	0.001	1	11/17/03	12:57	J. Hunter	8021B	665
Xylenes, total	0.09	mg/kg	0.001	1	11/17/03	12:57	J. Hunter	8021B	665
TPH (Gasoline Range)	5.49	mg/kg	5.03	1	11/17/03	12:57	J. Hunter	8015B	665
TPH (Diesel Range)	12	mg/kg	10	1	11/18/03	19:46	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	20:27	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.00 g	5.0 ml	11/14/03	14:40	Fitzwater	5035
BTX Prep	4.97 g	5.0 ml	11/14/03	16:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178059
Sample ID: SB3-15.5-16
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	101.	65. - 119.
TPH Hi Surr., o-Terphenyl	85.	35. - 135.
VOA Surr 1,2-DCA-d4	71.	58. - 139.
VOA Surr Toluene-d8	128. #	71. - 127.
VOA Surr, 4-BFB	106.	60. - 141.
VOA Surr, DBFM	90.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178060
Sample ID: SB3-16.5-17
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 15:08
Date Received: 11/14/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	85.6	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	1.83	mg/kg	0.0485	50	11/18/03	9:50	J. Hunter	8021B	691
Ethylbenzene	8.13	mg/kg	0.0485	50	11/18/03	9:50	J. Hunter	8021B	691
Toluene	0.529	mg/kg	0.0485	50	11/18/03	9:50	J. Hunter	8021B	691
Xylenes, total	14.8	mg/kg	0.0971	100	11/19/03	14:54	J. Hunter	8021B	2848
TPH (Gasoline Range)	932	mg/kg	243	50	11/18/03	9:50	J. Hunter	8015B	691
TPH (Diesel Range)	178	mg/kg	50.2	5	11/19/03	9:00	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	20:46	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	14:45	Fitzwater	5035
BTX Prep	5.15 g	5.0 ml	11/14/03	16:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178060
Sample ID: SB3-16.5-17
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	110.	65. - 119.
TPH Hi Surr., o-Terphenyl	75.	35. - 135.
VOA Surr 1,2-DCA-d4	104.	58. - 139.
VOA Surr Toluene-d8	549. #	71. - 127.
VOA Surr, 4-BFB	143. #	60. - 141.
VOA Surr, DBFM	127. #	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Volatile surrogates outside QC limits due to sample matrix.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178061
Sample ID: SB3-19.5-20
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 15:10
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	87.5	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.004	mg/kg	0.001	1	11/18/03	10:55	J. Hunter	8021B	691
Ethylbenzene	0.0017	mg/kg	0.001	1	11/18/03	10:55	J. Hunter	8021B	691
Toluene	0.0042	mg/kg	0.001	1	11/18/03	10:55	J. Hunter	8021B	691
Xylenes, total	0.0037	mg/kg	0.001	1	11/18/03	10:55	J. Hunter	8021B	691
TPH (Gasoline Range)	ND	mg/kg	4.97	1	11/18/03	10:55	J. Hunter	8015B	691
TPH (Diesel Range)	13.9	mg/kg	10.1	1	11/18/03	21:10	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	21:06	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	14:50	Fitzwater	5035
BTX Prep	5.03 g	5.0 ml	11/14/03	16:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178061
Sample ID: SB3-19.5-20
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	98.	65. - 119.
TPH Hi Surr., o-Terphenyl	96.	35. - 135.
VOA Surr 1,2-DCA-d4	62.	58. - 139.
VOA Surr Toluene-d8	91.	71. - 127.
VOA Surr, 4-BFB	93.	60. - 141.
VOA Surr, DBFM	77.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 1
Laboratory Receipt Date: 11/14/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/kg	0.0011	0.0427	0.0500	83	42. - 150.	665	03-A178016
Toluene	mg/kg	0.0018	0.0323	0.0500	61	34. - 149.	665	03-A178016
Ethylbenzene	mg/kg	< 0.0010	0.0279	0.0500	56	31. - 154.	665	03-A178016
Xylenes, total	mg/kg	0.0013	0.0524	0.100	51#	55. - 142.	665	03-A178016
TPH (Gasoline Range)	mg/kg	< 5.00	10.3	10.0	103	70. - 134.	665	blank.
TPH (Diesel Range)	mg/kg	< 10.0	33.6	40.0	84	50. - 129.	649	03-A178104
VOA Surr 1,2-DCA-d4	% Rec				94	58 - 139	9271	
VOA Surr Toluene-d8	% Rec				98	71 - 127	9271	
VOA Surr, 4-BFB	% Rec				100	60 - 141	9271	
VOA Surr, DBFM	% Rec				98	67 - 126	9271	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.0427	0.0506	16.93	30.	665
Toluene	mg/kg	0.0323	0.0421	26.34	35.	665
Ethylbenzene	mg/kg	0.0279	0.0398	35.16	37.	665
Xylenes, total	mg/kg	0.0524	0.0749	35.35	47.	665
TPH (Gasoline Range)	mg/kg	10.3	10.7	3.81	24.	665
TPH (Diesel Range)	mg/kg	33.6	33.4	0.60	43.	649

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 2
Laboratory Receipt Date: 11/14/03

VOA Surr 1,2-DCA-d4	% Rec	95.	9271
VOA Surr Toluene-d8	% Rec	95.	9271
VOA Surr, 4-BFB	% Rec	100.	9271
VOA Surr, DBFM	% Rec	101.	9271

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.116	116	71 - 132	665
Benzene	mg/kg	0.100	0.112	112	71 - 132	691
Toluene	mg/kg	0.100	0.102	102	68 - 129	665
Toluene	mg/kg	0.100	0.0996	100	68 - 129	691
Ethylbenzene	mg/kg	0.100	0.107	107	71 - 131	665
Ethylbenzene	mg/kg	0.100	0.105	105	71 - 131	691
Xylenes, total	mg/kg	0.200	0.204	102	66 - 131	665
Xylenes, total	mg/kg	0.200	0.200	100	66 - 131	691
Xylenes, total	mg/kg	0.200	0.202	101	66 - 131	2848
TPH (Gasoline Range)	mg/kg	10.0	10.3	103	80 - 127	665
TPH (Gasoline Range)	mg/kg	10.0	10.2	102	80 - 127	691
TPH (Diesel Range)	mg/kg	40.0	36.7	92	50 - 125	649
VOA PARAMETERS						
Methyl-t-butyl ether	mg/kg	0.0500	0.0461	92	58 - 142	9271
Methyl-t-butyl ether	mg/kg	0.0500	0.0419	84	58 - 142	1084
VOA Surr 1,2-DCA-d4	% Rec			95	58 - 139	9271
VOA Surr 1,2-DCA-d4	% Rec			89	58 - 139	1084
VOA Surr Toluene-d8	% Rec			99	71 - 127	9271
VOA Surr Toluene-d8	% Rec			94	71 - 127	1084
VOA Surr, 4-BFB	% Rec			100	60 - 141	9271
VOA Surr, 4-BFB	% Rec			87	60 - 141	1084
VOA Surr, DBFM	% Rec			102	67 - 126	9271
VOA Surr, DBFM	% Rec			101	67 - 126	1084

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 3
Laboratory Receipt Date: 11/14/03

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	665	11/17/03	7:35
Benzene	< 0.0010	mg/kg	691	11/17/03	23:10
Toluene	< 0.0010	mg/kg	665	11/17/03	7:35
Toluene	< 0.0010	mg/kg	691	11/17/03	23:10
Ethylbenzene	< 0.0010	mg/kg	665	11/17/03	7:35
Ethylbenzene	< 0.0010	mg/kg	691	11/17/03	23:10
Xylenes, total	< 0.0010	mg/kg	665	11/17/03	7:35
Xylenes, total	< 0.0010	mg/kg	691	11/17/03	23:10
Xylenes, total	< 0.0010	mg/kg	2848	11/19/03	6:50
TPH (Gasoline Range)	< 5.00	mg/kg	665	11/17/03	7:35
TPH (Gasoline Range)	< 5.00	mg/kg	691	11/17/03	23:10
TPH (Diesel Range)	< 10.0	mg/kg	649	11/18/03	15:51
UST surr-Trifluorotoluene	97.	% Recovery	665	11/17/03	7:35
UST surr-Trifluorotoluene	98.	% Recovery	691	11/17/03	23:10

Project QC continued . . .

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ROJECT QUALITY CONTROL DATA
roject Number:
Project Name: EXXONMOBIL 04-334
Page: 4
aboratory Receipt Date: 11/14/03

VOA PARAMETERS					
Methyl-t-butyl ether	< 0.0006	mg/kg	9271	11/15/03	19:30
Methyl-t-butyl ether	< 0.0006	mg/kg	1084	11/18/03	10:46
VOA Surr 1,2-DCA-d4	109.	% Rec	9271	11/15/03	19:30
VOA Surr 1,2-DCA-d4	86.	% Rec	1084	11/18/03	10:46
VOA Surr Toluene-d8	100.	% Rec	9271	11/15/03	19:30
VOA Surr Toluene-d8	95.	% Rec	1084	11/18/03	10:46
VOA Surr, 4-BFB	104.	% Rec	9271	11/15/03	19:30
VOA Surr, 4-BFB	90.	% Rec	1084	11/18/03	10:46
VOA Surr, DBFM	103.	% Rec	9271	11/15/03	19:30
VOA Surr, DBFM	104.	% Rec	1084	11/18/03	10:46

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 354144

[redacted]

TestAmerica INCORPORATED

[redacted] 2960 Foster Creighton, Nashville, TN 37204

[redacted] Toll Free: 800-765-0980, Fax: 615-726-3404

ExxonMobil

354144

Consultant Name:	ETIC ENGINEERING	Report To:	Jacob Henry
Address:	2285 MORELLO AVENUE	Invoice To:	GENE ORTEGA (EXXONMOBIL TM)
City/State/Zip:	PLEASANT HILL, CA. 94523	Account #:	3865
ExxonMobil Project Mgr:	Bryan Campbell	PO #:	
Telephone Number:	(925) 602-4710 EXT. 24 — Fax No.: (925) 602-4720	Facility ID #	04-334
Sampler Name: (Print)	Jacob Henry	Site Address	2492 Castro Valley Blvd.
Sampler Signature:	[signature]	City, State Zip	Castro Valley, CA

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	2 Unpreserved Liters	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	MTBE BY ~~8021B~~ 8260B	TPH-AS HEATING OIL BY 8015	CONFIRM MTBE HITS BY 8260B	TPH-D BY 8015 with Silica Gel Cleanup	Total Lead					HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
SB3-5-5.5	11/12/03	1413	1				X												X		X	X			X		17	80	57					X	
SB3-6.5-7	↓	1415	1				X												X												X				
SB3-10.5-11	↓	1424	1				X												X		X	X			X		17	80	58					X	
SB3-15.5-16	↓	1453	1				X												X		X	X			X		17	80	59					X	
SB3-16.5-17	↓	1508	1				X												X		X	X			X		17	80	60					X	
SB3-19.5-20	↓	1510	1				X												X		X	X			X		17	80	61					X	

Special Instructions: **GLOBAL ID#** T0600101278 **EDF FILE REQUIRED**

~~CONFIRM ALL MTBE HITS BY 8260B.~~

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Campbell	11/13/03	1700			
Relinquished by:	Date	Time	Received by TestAmerica: [signature]	11/14/03	810

Laboratory Comments:

Temperature Upon Receipt: 4c

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC# 354144

Client: ETIC Eng.

Cooler Received On: 11/14/03 And Opened On: 11/14/03 By: James Jacobs

(Signature)

1. Temperature of Cooler when opened 4 **Degrees Celsius**
2. Were custody seals on outside of cooler?.....YES...NO...NA
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?.....NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES....NO...NA
5. Were custody papers inside cooler?.....YES....NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES....NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES....NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice pack Ice(direct contact) Dry ice Other None
10. Did all containers arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all container labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all container labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct containers used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each container?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

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11/21/03 CASE NARRATIVE

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 04-334
Project Number: .
Laboratory Project Number: 354150.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
SB5-8.5-9	03-A178098	11/13/03
SB5-11.5-12	03-A178099	11/13/03
SB5-15.5-16	03-A178100	11/13/03
SB5-16.5-17	03-A178101	11/13/03
SB6-8.5-9	03-A178102	11/13/03
SB6-11-11.5	03-A178103	11/13/03
SB6-14.5-15	03-A178104	11/13/03
SB7-6.5-7	03-A178105	11/13/03
SB7-9-9.5	03-A178106	11/13/03
SB7-16-16.5	03-A178107	11/13/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Report Date: 11/21/03

Ashley Morris, Lab Director
Michael H. Dunn, M.S., QA/QC Director
Johnny A. Mitchell, Operations Manager Organics
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178098
Sample ID: SB5-8.5-9
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 13:08
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	83.5	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	11/16/03	18:10	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/16/03	18:10	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/16/03	18:10	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/16/03	18:10	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	4.95	1	11/16/03	18:10	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	9.84	1	11/18/03	21:26	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/18/03	19:29	J. Yun	8260B	3934

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.4 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.04 g	5.0 ml	11/14/03	14:55	Fitzwater	5035
BTX Prep	5.05 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178098
Sample ID: SB5-8.5-9
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	65. - 119.
TPH Hi Surr., o-Terphenyl	94.	35. - 135.
VOA Surr 1,2-DCA-d4	68.	58. - 139.
VOA Surr Toluene-d8	104.	71. - 127.
VOA Surr, 4-BFB	95.	60. - 141.
VOA Surr, DBFM	83.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178099
Sample ID: SB5-11.5-12
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 13:09
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	84.1	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0039	mg/kg	0.001	1	11/16/03	19:47	J. Hunter	8021B	8496
Ethylbenzene	0.0098	mg/kg	0.001	1	11/16/03	19:47	J. Hunter	8021B	8496
Toluene	0.0174	mg/kg	0.001	1	11/16/03	19:47	J. Hunter	8021B	8496
Xylenes, total	0.018	mg/kg	0.001	1	11/16/03	19:47	J. Hunter	8021B	8496
TPH (Gasoline Range)	14.2	mg/kg	4.88	1	11/16/03	19:47	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10.1	1	11/18/03	21:43	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/18/03	19:48	J. Yun	8260B	3934

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.7 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.00 g	5.0 ml	11/14/03	15:00	Fitzwater	5035
BTX Prep	5.12 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178099
Sample ID: SB5-11.5-12
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	94.	65. - 119.
TPH Hi Surr., o-Terphenyl	85.	35. - 135.
VOA Surr 1,2-DCA-d4	75.	58. - 139.
VOA Surr Toluene-d8	103.	71. - 127.
VOA Surr, 4-BFB	100.	60. - 141.
VOA Surr, DBFM	89.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178100
Sample ID: SB5-15.5-16
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 13:25
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	88.1	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	11/16/03	20:19	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/16/03	20:19	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/16/03	20:19	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/16/03	20:19	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	5.02	1	11/16/03	20:19	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10.1	1	11/18/03	22:00	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/18/03	20:07	J. Yun	8260B	3934

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.00 g	5.0 ml	11/14/03	15:05	Pitzwater	5035
BTX Prep	4.98 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178100
Sample ID: SB5-15.5-16
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	94.	65. - 119.
TPH Hi Surr., o-Terphenyl	94.	35. - 135.
VOA Surr 1,2-DCA-d4	75.	58. - 139.
VOA Surr Toluene-d8	109.	71. - 127.
VOA Surr, 4-BFB	113.	60. - 141.
VOA Surr, DBFM	84.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178101
Sample ID: SB5-16.5-17
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 13:37
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	81.8	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0014	mg/kg	0.001	1	11/16/03	20:52	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/16/03	20:52	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/16/03	20:52	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/16/03	20:52	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	5.03	1	11/16/03	20:52	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10.2	1	11/18/03	22:18	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	22:23	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.6 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.01 g	5.0 ml	11/14/03	15:10	Fitzwater	5035
BTX Prep	4.97 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178101
Sample ID: SB5-16.5-17
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	86.	65. - 119.
TPH Hi Surr., o-Terphenyl	87.	35. - 135.
VOA Surr 1,2-DCA-d4	58.	58. - 139.
VOA Surr Toluene-d8	169. #	71. - 127.
VOA Surr, 4-BFB	127.	60. - 141.
VOA Surr, DBFM	77.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
8260 surrogate high due to sample matrix

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178102
Sample ID: SB6-8.5-9
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 11:01
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	82.4	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0015	mg/kg	0.001	1	11/16/03	21:24	J. Hunter	8021B	8496
Ethylbenzene	0.0011	mg/kg	0.001	1	11/16/03	21:24	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/16/03	21:24	J. Hunter	8021B	8496
Xylenes, total	0.0014	mg/kg	0.001	1	11/16/03	21:24	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	5.01	1	11/16/03	21:24	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10	1	11/18/03	22:34	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/18/03	20:27	J. Yun	8260B	3934

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	4.96 g	5.0 ml	11/14/03	15:15	Fitzwater	5035
BTX Prep	4.99 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178102
Sample ID: SB6-8.5-9
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	98.	65. - 119.
TPH Hi Surr., o-Terphenyl	109.	35. - 135.
VOA Surr 1,2-DCA-d4	71.	58. - 139.
VOA Surr Toluene-d8	98.	71. - 127.
VOA Surr, 4-BFB	92.	60. - 141.
VOA Surr, DBFM	87.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178103
Sample ID: SB6-11-11.5
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 11:05
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	83.2	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0028	mg/kg	0.001	1	11/16/03	21:56	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/16/03	21:56	J. Hunter	8021B	8496
Toluene	0.0016	mg/kg	0.001	1	11/16/03	21:56	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/16/03	21:56	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	5.02	1	11/16/03	21:56	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	9.84	1	11/18/03	22:51	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	23:01	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.4 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	4.95 g	5.0 ml	11/14/03	15:20	Fitzwater	5035
BTX Prep	4.98 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178103
Sample ID: SB6-11-11.5
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	65. - 119.
TPH Hi Surr., o-Terphenyl	89.	35. - 135.
VOA Surr 1,2-DCA-d4	57. #	58. - 139.
VOA Surr Toluene-d8	92.	71. - 127.
VOA Surr, 4-BFB	93.	60. - 141.
VOA Surr, DBFM	74.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178104
Sample ID: SB6-14.5-15
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 11:30
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	84.4	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	0.0019	mg/kg	0.001	1	11/16/03	23:32	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/16/03	23:32	J. Hunter	8021B	8496
Toluene	0.0012	mg/kg	0.001	1	11/16/03	23:32	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/16/03	23:32	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	4.96	1	11/16/03	23:32	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10	1	11/18/03	23:08	M.Jarrett	8015B	649
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	23:20	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	15:25	Fitzwater	5035
BTX Prep	5.04 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178104
Sample ID: SB6-14.5-15
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	94.	65. - 119.
TPH Hi Surr., o-Terphenyl	70.	35. - 135.
VOA Surr 1,2-DCA-d4	66.	58. - 139.
VOA Surr Toluene-d8	110.	71. - 127.
VOA Surr, 4-BFB	98.	60. - 141.
VOA Surr, DBFM	86.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178105
Sample ID: SB7-6.5-7
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 9:30
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	80.5	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	11/17/03	0:05	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	0:05	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/17/03	0:05	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/17/03	0:05	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	4.98	1	11/17/03	0:05	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10.1	1	11/18/03	3:23	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	23:40	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	15:30	Fitzwater	5035
BTX Prep	5.02 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178105
Sample ID: SB7-6.5-7
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	97.	65. - 119.
TPH Hi Surr., o-Terphenyl	57.	35. - 135.
VOA Surr 1,2-DCA-d4	58.	58. - 139.
VOA Surr Toluene-d8	92.	71. - 127.
VOA Surr, 4-BFB	90.	60. - 141.
VOA Surr, DBFM	75.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178106
Sample ID: SB7-9-9.5
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 9:38
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	86.1	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	11/17/03	0:37	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	0:37	J. Hunter	8021B	8496
Toluene	ND	mg/kg	0.001	1	11/17/03	0:37	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/17/03	0:37	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	5.07	1	11/17/03	0:37	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	10	1	11/18/03	3:45	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/15/03	23:59	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.03 g	5.0 ml	11/14/03	15:35	Fitzwater	5035
BTX Prep	4.93 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178106
Sample ID: SB7-9-9.5
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	65. - 119.
TPH Hi Surr., o-Terphenyl	78.	35. - 135.
VOA Surr 1,2-DCA-d4	66.	58. - 139.
VOA Surr Toluene-d8	95.	71. - 127.
VOA Surr, 4-BFB	92.	60. - 141.
VOA Surr, DBFM	86.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178107
Sample ID: SB7-16-16.5
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 10:10
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	91.4	%		1	11/15/03	12:58	M. Ricke	CLP	8605
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	11/17/03	1:09	J. Hunter	8021B	8496
Ethylbenzene	ND	mg/kg	0.001	1	11/17/03	1:09	J. Hunter	8021B	8496
Toluene	0.0011	mg/kg	0.001	1	11/17/03	1:09	J. Hunter	8021B	8496
Xylenes, total	ND	mg/kg	0.001	1	11/17/03	1:09	J. Hunter	8021B	8496
TPH (Gasoline Range)	ND	mg/kg	4.97	1	11/17/03	1:09	J. Hunter	8015B	8496
TPH (Diesel Range)	ND	mg/kg	9.65	1	11/18/03	4:06	Weatherly	8015B	9937
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	mg/kg	0.002	1	11/16/03	0:18	J. Adams	8260B	9271

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.9 gm	1.0 ml	11/15/03		K. Turner	3550
Volatile Organics	5.05 g	5.0 ml	11/14/03	15:40	Fitzwater	5035
BTX Prep	5.03 g	5.0 ml	11/14/03	14:30	J. Hunter	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178107
Sample ID: SB7-16-16.5
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	88.	65. - 119.
TPH Hi Surr., o-Terphenyl	59.	35. - 135.
VOA Surr 1,2-DCA-d4	67.	58. - 139.
VOA Surr Toluene-d8	137. #	71. - 127.
VOA Surr, 4-BFB	116.	60. - 141.
VOA Surr, DBFM	77.	67. - 126.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 1
Laboratory Receipt Date: 11/14/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/kg	0.0013	0.0578	0.0500	113	42. - 150.	8496	03-A178140
Toluene	mg/kg	0.0023	0.0518	0.0500	99	34. - 149.	8496	03-A178140
Ethylbenzene	mg/kg	< 0.0010	0.0517	0.0500	103	31. - 154.	8496	03-A178140
Xylenes, total	mg/kg	0.0018	0.0989	0.100	97	55. - 142.	8496	03-A178140
TPH (Gasoline Range)	mg/kg	< 5.07	10.6	10.0	106	70. - 134.	8496	03-A178140
TPH (Diesel Range)	mg/kg	< 10.0	33.6	40.0	84	50. - 129.	649	03-A178104
TPH (Diesel Range)	mg/kg	< 10.0	38.8	40.0	97	50. - 129.	9937	03A178140
VOA Surr 1,2-DCA-d4	% Rec				94	58 - 139	9271	
VOA Surr 1,2-DCA-d4	% Rec				58	58 - 139	3934	
VOA Surr Toluene-d8	% Rec				98	71 - 127	9271	
VOA Surr Toluene-d8	% Rec				96	71 - 127	3934	
VOA Surr, 4-BFB	% Rec				100	60 - 141	9271	
VOA Surr, 4-BFB	% Rec				93	60 - 141	3934	
VOA Surr, DBFM	% Rec				98	67 - 126	9271	
VOA Surr, DBFM	% Rec				80	67 - 126	3934	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.0578	0.0472	20.19	30.	8496
Toluene	mg/kg	0.0518	0.0400	25.71	35.	8496

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 2
Laboratory Receipt Date: 11/14/03

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Ethylbenzene	mg/kg	0.0517	0.0373	32.36	37.	8496
Xylenes, total	mg/kg	0.0989	0.0709	32.98	47.	8496
TPH (Gasoline Range)	mg/kg	10.6	10.3	2.87	24.	8496
TPH (Diesel Range)	mg/kg	33.6	33.4	0.60	43.	649
TPH (Diesel Range)	mg/kg	38.8	< 10.0	118.03#	43.	9937
VOA Surr 1,2-DCA-d4	% Rec		95.			9271
VOA Surr 1,2-DCA-d4	% Rec		56.			3934
VOA Surr Toluene-d8	% Rec		95.			9271
VOA Surr Toluene-d8	% Rec		92.			3934
VOA Surr, 4-BFB	% Rec		100.			9271
VOA Surr, 4-BFB	% Rec		93.			3934
VOA Surr, DBFM	% Rec		101.			9271
VOA Surr, DBFM	% Rec		78.			3934

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.113	113	71 - 132	8496
Toluene	mg/kg	0.100	0.0997	100	68 - 129	8496
Ethylbenzene	mg/kg	0.100	0.106	106	71 - 131	8496
Xylenes, total	mg/kg	0.200	0.202	101	66 - 131	8496
TPH (Gasoline Range)	mg/kg	10.0	10.6	106	80 - 127	8496
TPH (Diesel Range)	mg/kg	40.0	36.7	92	50 - 125	649
TPH (Diesel Range)	mg/kg	40.0	41.5	104	50 - 125	9937

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 3
Laboratory Receipt Date: 11/14/03

VOA PARAMETERS						
Methyl-t-butyl ether	mg/kg	0.0500	0.0461	92	58 - 142	9271
Methyl-t-butyl ether	mg/kg	0.0500	0.0463	93	58 - 142	3934
VOA Surr 1,2-DCA-d4	% Rec			95	58 - 139	9271
VOA Surr 1,2-DCA-d4	% Rec			91	58 - 139	3934
VOA Surr Toluene-d8	% Rec			99	71 - 127	9271
VOA Surr Toluene-d8	% Rec			97	71 - 127	3934
VOA Surr, 4-BFB	% Rec			100	60 - 141	9271
VOA Surr, 4-BFB	% Rec			99	60 - 141	3934
VOA Surr, DBFM	% Rec			102	67 - 126	9271
VOA Surr, DBFM	% Rec			97	67 - 126	3934

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	8496	11/16/03	15:58
Toluene	< 0.0010	mg/kg	8496	11/16/03	15:58
Ethylbenzene	< 0.0010	mg/kg	8496	11/16/03	15:58
Xylenes, total	< 0.0010	mg/kg	8496	11/16/03	15:58
TPH (Gasoline Range)	< 5.00	mg/kg	8496	11/16/03	15:58
TPH (Diesel Range)	< 10.0	mg/kg	649	11/18/03	15:51
TPH (Diesel Range)	< 10.0	mg/kg	9937	11/18/03	11:58

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 4
Laboratory Receipt Date: 11/14/03

UST surr-Trifluorotoluene	98.	% Recovery	8496	11/16/03	15:58
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.0006	mg/kg	9271	11/15/03	19:30
Methyl-t-butyl ether	< 0.0006	mg/kg	3934	11/18/03	12:18
VOA Surr 1,2-DCA-d4	109.	% Rec	9271	11/15/03	19:30
VOA Surr 1,2-DCA-d4	110.	% Rec	3934	11/18/03	12:18
VOA Surr Toluene-d8	100.	% Rec	9271	11/15/03	19:30
VOA Surr Toluene-d8	98.	% Rec	3934	11/18/03	12:18
VOA Surr, 4-BFB	104.	% Rec	9271	11/15/03	19:30
VOA Surr, 4-BFB	110.	% Rec	3934	11/18/03	12:18
VOA Surr, DBFM	103.	% Rec	9271	11/15/03	19:30
VOA Surr, DBFM	104.	% Rec	3934	11/18/03	12:18

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 354150

CHAIN OF CUSTODY RECORD

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INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

354150

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Project Mgr: Bryan Campbell
Telephone Number: (925) 602-4710 EXT. 24   Fax No.: (925) 602-4720
Sampler Name: (Print) Jacob Henry
Sampler Signature: [signature]

Report To: Jacob Henry
Invoice To: GENE ORTEGA (EXXONMOBIL TM)
Account #: 3865
PO #:
Facility ID # 04-334
Site Address 2492 Castro Valley Blvd.
City, State Zip Castro Valley, CA

							Preservative								Matrix						Analyze For:															
Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	2 Unpreserved Liters	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	TPH-G/BTEX BY 8015/8020	MTBE BY ~~8021B~~ 8260B	TPH-AS HEATING OIL BY 8015	CONFIRM MTBE HITS BY 8260B	TPH-D BY 8015 with silica gel cleanup	Total Lead					Hold	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
SB5-8.5-9	11/13/03	1308	1				X												X		X	X			X		19	80	98					X	
SB5-11.5-12		1309	1				X												X		X	X			X		19	80	99					X	
SB5-15.5-16		1325	1				X												X		X	X			X		19	81	00					X	
SB5-16.5-17		1337	1				X												X		X	X			X		19	81	01					X	
SB6-8.5-9		1101	1				X												X		X	X			X		19	81	02					X	
SB6-11-11.5		1105	1				X												X		X	X			X		19	81	03					X	
SB6-14.5-15		1130	1				X												X		X	X			X		19	81	04					X	
SB7-6.5-7		0930	1				X												X		X	X			X		19	81	05					X	
SB7-9-9.5		0938	1				X												X		X	X			X		19	81	06					X	
SB7-13-13.5		0959	1				X												X												X				

Special Instructions: GLOBAL ID# T0600101278   EDF FILE REQUIRED

~~CONFIRM ALL MTBE HITS BY 8260B~~

Laboratory Comments:
Temperature Upon Receipt: 4°c
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Campbell	11/13/03	1700			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			[signature]	11/14/03	810

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

CHAIN OF CUSTODY RECORD

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

354150

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Project Mgr: Bryan Campbell
Telephone Number: (925) 602-4710 EXT. 24
Fax No.: (925) 602-4720
Sampler Name: (Print) Jacob Henry
Sampler Signature:

Report To: Jacob Henry
Invoice To: GENE ORTEGA (EXXONMOBIL TM)
Account #: 3865
PO #:
Facility ID # 04-334
Site Address 2492 Castro Valley Blvd.
City, State Zip Castro Valley, CA

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass (Yellow Label)	2 Unpreserved Liters	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	MTBE BY ~~8021B~~ 8260B	TPH-AS HEATING OIL BY 8015	CONFIRM MTBE HITS BY 8260B	TPH-D BY 8015 Silica Gel Cleanup	Total Lead				HOLD	IRUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
SB7-16-16.5	11/13/03	1010	1				X												X		X	X			X		17	81	02				X	

Special Instructions:
GLOBAL ID# T0600101278
EDF FILE REQUIRED
~~CONFIRM ALL MTBE HITS BY 8260B~~

Laboratory Comments:
Temperature Upon Receipt: 4C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Campbell	11/13/03	1700			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				11/14/03	810

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** 354150

Client: EIC Eng

Cooler Received On: 11/14/03 And Opened On: 11/14/03 By: James Jacobs

(Signature)

1. Temperature of Cooler when opened 4 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES...(NO)...NA
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?..... (NO)..YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES....NO...(NA)
5. Were custody papers inside cooler?.....(YES)...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....(YES)...NO...NA
7. Did you sign the custody papers in the appropriate place?.....(YES)...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other (None)
9. Cooling process: Ice Ice pack (Ice(direct contact)) Dry ice Other None
10. Did all containers arrive in good condition(unbroken)?.....(YES)..NO...NA
11. Were all container labels complete (#,date,signed,pres,etc)?.....(YES)...NO...NA
12. Did all container labels and tags agree with custody papers?.....(YES)..NO...NA
13. Were correct containers used for the analysis requested?.....(YES)...NO...NA
14. a. Were VOA vials received?.....YES..(NO)..NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES..(NA)
15. Was sufficient amount of sample sent in each container?.....(YES)...NO...NA
16. Were correct preservatives used?.....YES...NO..(NA)
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES..(NA)
18. See attached for resolution of non-conformance:

(Fed-Ex) UPS Velocity Airborne Route Off-street Misc.

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11/20/03 CASE NARRATIVE

ETIC 3865
Jacob Henry
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 04-334
Project Number: .
Laboratory Project Number: 354245.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
SB3-	03-A178666	11/12/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: [signature] Report Date: 11/20/03

Ashley Morris, Lab Director
Michael H. Dunn, M.S., QA/QC Director
Johnny A. Mitchell, Operations Manager Organics
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ETIC 3865
Jacob Henry
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178666
Sample ID: SB3-
Sample Type: Water
Site ID: 04-334

Date Collected: 11/12/03
Time Collected: 14:22
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	1170	ug/L	5.00	10.0	11/18/03	19:13	I. Ahmed	8021B	9559
Ethylbenzene	1780	ug/L	5.0	10.0	11/18/03	19:13	I. Ahmed	8021B	9559
Toluene	65.0	ug/L	5.0	10.0	11/18/03	19:13	I. Ahmed	8021B	9559
Xylenes (Total)	2240	ug/L	5.0	10.0	11/18/03	19:13	I. Ahmed	8021B	9559
TPH (Gasoline Range)	46700	ug/L	500.	10.0	11/18/03	19:13	I. Ahmed	8015B	9559
TPH (Diesel Range)	13400	ug/L	500.	10.0	11/20/03	10:04	M.Jarrett	8015B/3510	9940
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	ug/L	0.5	1.0	11/19/03	17:21	T.Johnson	8260B	551

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/15/03		K. Turner	3510

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	127.	69. - 129.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178666
Sample ID: SB3-
Project:

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	82.	70. - 133.
VOA Surr Toluene-d8	95.	76. - 123.
VOA Surr, 4-BFB	92.	71. - 132.
VOA Surr, DBFM	98.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
CA surrogate recovery diluted out due to sample matrix

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 1
Laboratory Receipt Date: 11/14/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	0.226	0.503	0.250	111	60. - 143.	9559	03-A177890
Toluene	mg/l	0.0155	0.290	0.250	110	62. - 139.	9559	03-A177890
Xylenes (Total)	mg/l	0.0350	0.568	0.500	107	59. - 137.	9559	03-A177890
TPH (Gasoline Range)	mg/l	< 5.00	5.25	5.00	105	56. - 134.	9559	blank
TPH (Diesel Range)	mg/l	< 0.050	0.696	1.00	70	35. - 130.	9940	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				120	69 - 129	9559	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.503	0.486	3.44	23.	9559
Toluene	mg/l	0.290	0.276	4.95	24.	9559
Xylenes (Total)	mg/l	0.568	0.540	5.05	25.	9559
TPH (Gasoline Range)	mg/l	5.25	4.74	10.21	24.	9559
TPH (Diesel Range)	mg/l	0.696	0.735	5.45	41.	9940
BTEX/GRO Surr., a,a,a-TFT	% Recovery		114.			9559

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 2
Laboratory Receipt Date: 11/14/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0981	98	74 - 120	9559
Toluene	mg/l	0.100	0.0965	96	73 - 118	9559
Ethylbenzene	mg/l	0.100	0.0957	96	72 - 118	9559
Xylenes (Total)	mg/l	0.200	0.189	94	72 - 116	9559
TPH (Gasoline Range)	mg/l	1.00	1.05	105	72 - 125	9559
BTEX/GRO Surr., a,a,a-TFT	% Recovery			109	69 - 129	9559
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.750	75	35 - 130	9940
VOA PARAMETERS						
Methyl-t-butyl ether	mg/l	0.0500	0.0442	88	71 - 135	551
VOA Surr 1,2-DCA-d4	% Rec			91	70 - 133	551
VOA Surr Toluene-d8	% Rec			97	76 - 123	551
VOA Surr, 4-BFB	% Rec			85	71 - 132	551
VOA Surr, DBFM	% Rec			107	74 - 128	551

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 3
Laboratory Receipt Date: 11/14/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	9559	11/18/03	17:04
Toluene	< 0.0005	mg/l	9559	11/18/03	17:04
Ethylbenzene	< 0.0005	mg/l	9559	11/18/03	17:04
Xylenes (Total)	< 0.0005	mg/l	9559	11/18/03	17:04
TPH (Gasoline Range)	< 0.0500	mg/l	9559	11/18/03	17:04
TPH (Diesel Range)	< 0.050	mg/l	9940	11/17/03	18:09
BTEX/GRO Surr., a,a,a-TFT	91.	% Recovery	9559	11/18/03	17:04
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.0001	mg/l	551	11/19/03	11:56
VOA Surr 1,2-DCA-d4	88.	% Rec	551	11/19/03	11:56
VOA Surr Toluene-d8	97.	% Rec	551	11/19/03	11:56
VOA Surr, 4-BFB	88.	% Rec	551	11/19/03	11:56
VOA Surr, DBFM	109.	% Rec	551	11/19/03	11:56

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 354245

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

354245

ExxonMobil

Consultant Name:	ETIC ENGINEERING	**Report To:**	Jacob Henry
Address:	2285 MORELLO AVENUE	**Invoice To:**	GENE ORTEGA (EXXONMOBIL TM)
City/State/Zip:	PLEASANT HILL, CA. 94523	**Account #:**	3865
ExxonMobil Project Mgr:	Bryan Campbell	**PO #:**	
Telephone Number:	(925) 602-4710 EXT. 24 **Fax No.:** (925) 602-4720	**Facility ID #**	04-334
Sampler Name: (Print)	Jacob Henry	**Site Address**	2492 Castro Valley Blvd.
Sampler Signature:	[signature]	**City, State Zip**	Castro Valley, CA

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	2 Unpreserved Liters	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	MTBE BY ~~8021B~~ 8260B	~~TPH AS HEATING OIL BY 8015~~	~~CONFIRM MTBE HITS BY 8260B~~	TPH-D BY 8015 with silica gel cleanup	Total Lead	oil & grease EPA 418.1 SB2 only				Hold	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
SB3-~~18~~ [illegible]	11/12/03	1422	8	X			X		X						X						X	X			X			[illegible]	178	[illegible]				X	

Special Instructions: **GLOBAL ID#** T0600101278 **EDF FILE REQUIRED**

~~CONFIRM ALL MTBE HITS BY 8260B~~

Laboratory Comments:
Temperature Upon Receipt: 0.5
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Campbell	11/13/03	1700			
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**
			[signature]	11/14/03	0810

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC# 354245

Client: ETIC Engineering

Cooler Received On: 11/14/03 And Opened On: 11/14/03 By: Shawn Gracey

(Signature)

1. Temperature of Cooler when opened 0.5 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES...NO...NA
   a. If yes, how many, what kind and where: 1, Front
3. Were custody seals on containers and intact?.....NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
5. Were custody papers inside cooler?.....YES...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice pack Ice(direct contact) Dry ice Other None
10. Did all containers arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all container labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all container labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct containers used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each container?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

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11/24/03 CASE NARRATIVE

ETIC 3865
Jacob Henry
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 04-334
Project Number: .
Laboratory Project Number: 354248.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
SB2	03-A178688	11/13/03
SB5	03-A178689	11/13/03
SB6	03-A178690	11/13/03

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 11/24/03

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ETIC 3865
Jacob Henry
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178688
Sample ID: SB2
Sample Type: Water
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 8:14
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	11/18/03	19:46	I. Ahmed	8021B	9559
Ethylbenzene	ND	ug/L	0.5	1.0	11/18/03	19:46	I. Ahmed	8021B	9559
Toluene	ND	ug/L	0.5	1.0	11/18/03	19:46	I. Ahmed	8021B	9559
Xylenes (Total)	ND	ug/L	0.5	1.0	11/18/03	19:46	I. Ahmed	8021B	9559
TRPH IR water	ND	ug/L	100.	1.0	11/19/03	10:15	M. Ricke	418.1	8947
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	11/18/03	19:46	I. Ahmed	8015B	9559
TPH (Diesel Range)	127.	ug/L	50.	1.0	11/17/03	20:55	M.Jarrett	8015B/3510	9940
VOLATILE ORGANICS									
Methyl-t-butyl ether	2.1	ug/L	0.5	1.0	11/19/03	17:51	T.Johnson	8260B	551

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/15/03		K. Turner	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178688
Sample ID: SB2
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	84.	61. - 134.
BTEX/GRO Surr., a,a,a-TFT	92.	69. - 129.
VOA Surr 1,2-DCA-d4	91.	70. - 133.
VOA Surr Toluene-d8	96.	76. - 123.
VOA Surr, 4-BFB	88.	71. - 132.
VOA Surr, DBFM	111.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
TRPH 418.1 sample received unpreserved.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
Jacob Henry
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Lab Number: 03-A178689
Sample ID: SB5
Sample Type: Water
Site ID: 04-334

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Date Collected: 11/13/03
Time Collected: 13:04
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	6.30	ug/L	0.50	1.0	11/18/03	20:18	I. Ahmed	8021B	9559
Ethylbenzene	2.8	ug/L	0.5	1.0	11/18/03	20:18	I. Ahmed	8021B	9559
Toluene	2.6	ug/L	0.5	1.0	11/18/03	20:18	I. Ahmed	8021B	9559
Xylenes (Total)	1.4	ug/L	0.5	1.0	11/18/03	20:18	I. Ahmed	8021B	9559
TPH (Gasoline Range)	760.	ug/L	50.0	1.0	11/18/03	20:18	I. Ahmed	8015B	9559
TPH (Diesel Range)	173.	ug/L	50.	1.0	11/17/03	21:12	M.Jarrett	8015B/3510	9940
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	ug/L	0.5	1.0	11/19/03	18:20	T.Johnson	8260B	551

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/15/03		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	89.	61. - 134.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178689
Sample ID: SB5
Project:

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	114.	69. - 129.
VOA Surr 1,2-DCA-d4	120.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	89.	71. - 132.
VOA Surr, DBFM	131. #	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ETIC 3865
Jacob Henry
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A178690
Sample ID: SB6
Sample Type: Water
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 11:09
Date Received: 11/14/03
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	1.90	ug/L	0.50	1.0	11/18/03	20:50	I. Ahmed	8021B	9559
Ethylbenzene	3.6	ug/L	0.5	1.0	11/18/03	20:50	I. Ahmed	8021B	9559
Toluene	6.3	ug/L	0.5	1.0	11/18/03	20:50	I. Ahmed	8021B	9559
Xylenes (Total)	4.3	ug/L	0.5	1.0	11/18/03	20:50	I. Ahmed	8021B	9559
TPH (Gasoline Range)	1650	ug/L	50.0	1.0	11/18/03	20:50	I. Ahmed	8015B	9559
TPH (Diesel Range)	816.	ug/L	50.	1.0	11/17/03	21:28	M.Jarrett	8015B/3510	9940
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	ug/L	0.5	1.0	11/19/03	18:50	T.Johnson	8260B	551

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/15/03		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	79.	61. - 134.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A178690
Sample ID: SB6
Project:

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	112.	69. - 129.
VOA Surr 1,2-DCA-d4	89.	70. - 133.
VOA Surr Toluene-d8	97.	76. - 123.
VOA Surr, 4-BFB	91.	71. - 132.
VOA Surr, DBFM	109.	74. - 128.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 1
Laboratory Receipt Date: 11/14/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	0.226	0.503	0.250	111	60. - 143.	9559	03-A177890
Toluene	mg/l	0.0155	0.290	0.250	110	62. - 139.	9559	03-A177890
Xylenes (Total)	mg/l	0.0350	0.568	0.500	107	59. - 137.	9559	03-A177890
TRPH IR water	mg/l	< 0.100	20.4	20.0	102	94. - 110.	8947	blank
TPH (Gasoline Range)	mg/l	< 5.00	5.25	5.00	105	56. - 134.	9559	blank
TPH (Diesel Range)	mg/l	< 0.050	0.696	1.00	70	35. - 130.	9940	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				120	69 - 129	9559	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.503	0.486	3.44	23.	9559
Toluene	mg/l	0.290	0.276	4.95	24.	9559
Xylenes (Total)	mg/l	0.568	0.540	5.05	25.	9559
TPH (Gasoline Range)	mg/l	5.25	4.74	10.21	24.	9559
TPH (Diesel Range)	mg/l	0.696	0.735	5.45	41.	9940
BTEX/GRO Surr., a,a,a-TFT	% Recovery		114.			9559

Project QC continued . . .

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ANALYTICAL TESTING CORPORATION

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ROJECT QUALITY CONTROL DATA
roject Number:
Project Name: EXXONMOBIL 04-334
Page: 2
aboratory Receipt Date: 11/14/03

MISC PARAMETERS						
TRPH IR water	mg/l	20.4	20.5	0.49	50	8947

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0981	98	74 - 120	9559
Toluene	mg/l	0.100	0.0965	96	73 - 118	9559
Ethylbenzene	mg/l	0.100	0.0957	96	72 - 118	9559
Xylenes (Total)	mg/l	0.200	0.189	94	72 - 116	9559
TRPH IR water	mg/l	20.0	20.6	103	90 - 111	8947
TPH (Gasoline Range)	mg/l	1.00	1.05	105	72 - 125	9559
BTEX/GRO Surr., a,a,a-TFT	% Recovery			109	69 - 129	9559
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.750	75	35 - 130	9940
VOA PARAMETERS						
Methyl-t-butyl ether	mg/l	0.0500	0.0442	88	71 - 135	551
VOA Surr 1,2-DCA-d4	% Rec			91	70 - 133	551
VOA Surr Toluene-d8	% Rec			97	76 - 123	551
VOA Surr, 4-BFB	% Rec			85	71 - 132	551
VOA Surr, DBFM	% Rec			107	74 - 128	551

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 3
Laboratory Receipt Date: 11/14/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	9559	11/18/03	17:04
Toluene	< 0.0005	mg/l	9559	11/18/03	17:04
Ethylbenzene	< 0.0005	mg/l	9559	11/18/03	17:04
Xylenes (Total)	< 0.0005	mg/l	9559	11/18/03	17:04
TRPH IR water	< 0.100	mg/l	8947	11/19/03	10:15
TPH (Gasoline Range)	< 0.0500	mg/l	9559	11/18/03	17:04
TPH (Diesel Range)	< 0.050	mg/l	9940	11/17/03	18:09
BTEX/GRO Surr., a,a,a-TFT	91.	% Recovery	9559	11/18/03	17:04
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.0001	mg/l	551	11/19/03	11:56
VOA Surr 1,2-DCA-d4	88.	% Rec	551	11/19/03	11:56
VOA Surr Toluene-d8	97.	% Rec	551	11/19/03	11:56
VOA Surr, 4-BFB	88.	% Rec	551	11/19/03	11:56
VOA Surr, DBFM	109.	% Rec	551	11/19/03	11:56

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 354248

[redacted]

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

Consultant Name:	ETIC ENGINEERING	Report To:	Jacob Henry
Address:	2285 MORELLO AVENUE	Invoice To:	GENE ORTEGA (EXXONMOBIL TM)
City/State/Zip:	PLEASANT HILL, CA. 94523	Account #:	3865
ExxonMobil Project Mgr:	Bryan Campbell	PO #:	
Telephone Number:	(925) 602-4710 EXT. 24 Fax No.: (925) 602-4720	Facility ID #	04-334
Sampler Name: (Print)	Jacob Henry	Site Address	2492 Castro Valley Blvd.
Sampler Signature:	[signature]	City, State Zip	Castro Valley, CA

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO$_3$ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H$_2$SO$_4$ Plastic (Yellow Label)	H$_2$SO$_4$ Glass (Yellow Label)	2 Unpreserved Liters	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	MTBE BY 8260	TPH-AS HEATING OIL BY 8015	CONFIRM MTBE HITS BY 8260B	TPH-D BY 8015 w/ silica gel cleanup	Total Lead	Oil and Grease by 418.1 with silica gel cleanup		HOLD	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
SB2-W Bmc	11/13/03	0814	7				X		X						X						X	X			X		X	178688					
SB5-W Bmc	11/13/03	1304	8				X		X						X						X	X			X			89					
SB6-W Bmc	11/13/03	1109					X		X						X						X	X			X			178690					

Special Instructions: GLOBAL ID# T0600161278 EDF FILE REQUIRED

~~CONFIRM ALL MTBE HITS BY 8260B.~~

Laboratory Comments:
Temperature Upon Receipt: 0.5
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Campbell	11/13/03	1700			
Relinquished by:	Date	Time	Received by TestAmerica: [signature]	11/14/03	0810

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC# 354248

Client: ETIC Engineering

Cooler Received On: 11/14/03 And Opened On: 11/14/03 By: Shawn Gracey

(Signature)

1. Temperature of Cooler when opened 2.5 **Degrees Celsius**
2. Were custody seals on outside of cooler?.....YES...NO....NA
   a. If yes, how many, what kind and where: 1, Front
3. Were custody seals on containers and intact?.....NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
5. Were custody papers inside cooler?.....YES....NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES....NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES....NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice pack Ice(direct contact) Dry ice Other None
10. Did all containers arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all container labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all container labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct containers used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each container?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here TR reagent HCl
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

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Sample NonConformance/COC Revision Form

Initiated by:	Sgracey	**Phone:**		NC Closed	☑
Client Name:	ETIC	**Sample Range:**	178688-90	Date Closed	11/21/2003
Client Contact:		**SDG:**	354248		
Client Account:	3865	**Analyst:**	gracey		
Date Created:	11/14/2003	**Supervisor:**			
NC #:	178690	**NC Type:**	NC Analytical 1		
Project Name:	04-334	**Terminal Manager:**	Ortega		
Project Number:					

Process: Analysis not able to be performed: See Comment Section — **Corrected By:** leah klingensmith

Action: Run — **Closed:** ☑ Lklingensmith

Comments:

Comment added by: Sgracey on 11/21/2003 2:12:47 PM
NC closed with out comments

****

Comment added by: Sgracey on 11/20/2003 5:02:40 PM
JUST TO DOUBLE CHECK IT'S COMMENTED IN LIMS THAT IT WILL BE RUN UNPRESERVED.

****

Comment added by: Sgracey on 11/20/2003 4:34:02 PM
YES.

****

Comment added by: Lklingensmith on 11/20/2003 4:28:21 PM
Is it commented in LIMS?

****

Comment added by: Sgracey on 11/20/2003 4:24:53 PM
THIS IS 6-DAYS OLD. IR WAS RUN.

****

Comment added by: Lklingensmith on 11/20/2003 4:15:34 PM
Preserve container and run for 418.1. Client aware report will have a comment to the fact.
Bryan Campbell 11-20-03 @ 16:10.

****

ir sample received unpreserved.

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11/21/03 CASE NARRATIVE

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 04-334
Project Number: .
Laboratory Project Number: 354119.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
DRUM#1-S1/S2	03-A177955	11/13/03

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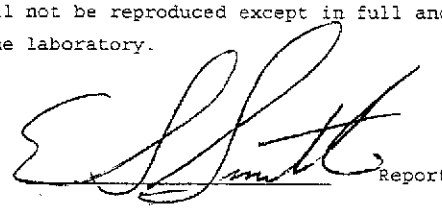
Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:  Report Date: 11/21/03

Ashley Morris, Lab Director
Michael H. Dunn, M.S., QA/QC Director
Johnny A. Mitchell, Operations Manager Organics
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ETIC 3865
JACOB HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 04-334
Sampler: JACOB HENRY

Lab Number: 03-A177955
Sample ID: DRUM#1-S1/S2
Sample Type: Soil
Site ID: 04-334

Date Collected: 11/13/03
Time Collected: 13:30
Date Received: 11/14/03
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	80.8	%		1	11/14/03	13:01	M. Ricke	CLP	8601
ORGANIC PARAMETERS									
Benzene	0.0092	mg/kg	0.001	1	11/16/03	10:35	J. Hunter	8021B	9786
Ethylbenzene	0.0135	mg/kg	0.001	1	11/16/03	10:35	J. Hunter	8021B	9786
Toluene	0.0067	mg/kg	0.001	1	11/16/03	10:35	J. Hunter	8021B	9786
Xylenes, total	0.018	mg/kg	0.001	1	11/16/03	10:35	J. Hunter	8021B	9786
TPH (Gasoline Range)	ND	mg/kg	5	1	11/16/03	10:35	J. Hunter	8015B	9786
METALS									
Lead	7.31	mg/kg	0.96	1	11/15/03	8:33	G.McCord	6010B	8415

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
BTX Prep	5.05 g	5.0 ml	11/14/03	18:35	D. Otero	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A177955
Sample ID: DRUM#1-S1/S2
Project:

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	98.	65. - 119.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.
Received brass tube.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 1
Laboratory Receipt Date: 11/14/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/kg	< 5.00	10.8	10.0	108	70. - 134.	9786	blank
METALS								
Lead	mg/kg	7.66	104.	100.	96	80 - 120	8415	Duplicate

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	10.8	10.6	1.87	24.	9786
METALS						
Lead	mg/kg	104.	103.	0.97	20	8415

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.112	112	71 - 132	9786
Toluene	mg/kg	0.100	0.0987	99	68 - 129	9786

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 04-334
Page: 2
Laboratory Receipt Date: 11/14/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Ethylbenzene	mg/kg	0.100	0.104	104	71 - 131	9786
Xylenes, total	mg/kg	0.200	0.196	98	66 - 131	9786
TPH (Gasoline Range)	mg/kg	10.0	10.8	108	80 - 127	9786
METALS						
Lead	mg/kg	100.	91.4	91	80 - 120	8415

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	9786	11/15/03	22:46
Toluene	< 0.0010	mg/kg	9786	11/15/03	22:46
Ethylbenzene	< 0.0010	mg/kg	9786	11/15/03	22:46
Xylenes, total	< 0.0010	mg/kg	9786	11/15/03	22:46
TPH (Gasoline Range)	< 5.00	mg/kg	9786	11/15/03	22:46

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
roject Number:
Project Name: EXXONMOBIL 04-334
Page: 3
aboratory Receipt Date: 11/14/03

UST surr-Trifluorotoluene	97.	% Recovery	9786	11/15/03	22:46
METALS					
Lead	< 0.53	mg/kg	8415	11/15/03	8:33

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 354119

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

CHAIN OF CUSTODY RECORD 35419

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Project Mgr: Bryan Campbell
Telephone Number: (925) 602-4710 EXT. 24
Fax No.: (925) 602-4720
Sampler Name: (Print) Jacob Henry
Sampler Signature:

Report To: Jacob Henry
Invoice To: GENE ORTEGA (EXXONMOBIL TM)
Account #: 3865
PO #:
Facility ID # 04-334
Site Address 2492 Castro Valley Blvd.
City, State Zip Castro Valley, CA

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	2 Unpreserved Liters	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	MTBE BY 8021B	TPH-AS HEATING OIL BY 8015	CONFIRM MTBE HITS BY 8260B	TPH-D BY 8015	Total Lead By 6010B			177955	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
Drum#1-S1	11/3/03	1330	1				X												X		X	X				X						X	
Drum#1-S2	11/3/03	1330	1				X												X		X	X				X			↓			X	

Special Instructions: ~~GLOBAL ID#~~ ~~EDF FILE REQUIRED~~
Composite Drum#1-S1 and Drum#1-S2 into one sample for analysis.
~~CONFIRM ALL MTBE HITS BY 8260B~~

Laboratory Comments:
Temperature Upon Receipt: 0.0
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
Bryan Campbell	11/13/03	1700			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				11/14/03	0810

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC# 354119

Client: ETIC Engineering

Cooler Received On: 11/14/03 And Opened On: 11/14/03 By: Shawn Gracey

(Signature)

1. Temperature of Cooler when opened 0.0 **Degrees Celsius**
2. Were custody seals on outside of cooler?.....YES...NO...NA
   a. If yes, how many, what kind and where: 1, Front
3. Were custody seals on containers and intact?.....NO..YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
5. Were custody papers inside cooler?.....YES...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice pack Ice(direct contact) Dry ice Other None
10. Did all containers arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all container labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all container labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct containers used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each container?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.