

THRIFTY OIL CO.

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Alameda County
Environmental Health

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April 5, 2007

Mr. Steven Plunkett
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Local #RO0000005
RWQCB #01-1479

RE: Former Thrifty Oil Co. Station #063
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
Site Assessment/Well Installation Report

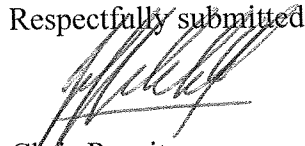
Dear Mr. Plunkett:

Presented herein is the Site Assessment/Well Installation Report prepared by Equipoise Corporation (Equipoise) dated April 5, 2007 for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). This report presents the results of the additional site assessment and the installation of offsite groundwater monitoring wells.

Should you have any questions regarding this report, please contact Elliot Haro of Equipoise at (805) 204-4483 or Jeff Suryakusuma at (562) 921-3581 (x311).

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Respectfully submitted,


Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC; Mr. Bobby Lu, P.G
File



**Site Assessment/Well Installation Report
Thrifty Oil Co. Station No. 063 (ARCO #9542)
6125 Telegraph Avenue
Oakland, California**

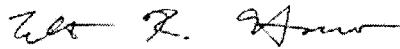
Prepared for

Thrifty Oil Co.

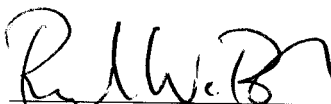
13116 Imperial Highway

Santa Fe Springs, California 90670

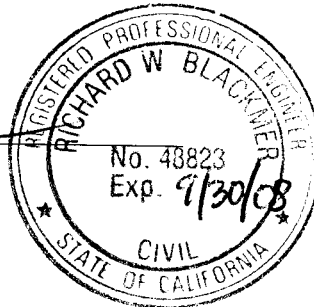
Equipoise Project No. CA135.063.T6



Elliot R. Haro
Project Soil Scientist



Richard W. Blackmer, P.E.
Principal Engineer



April 5, 2007

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CONTENTS

1.0 INTRODUCTION	1
1.1 SITE BACKGROUND.....	1
2.0 GEOLOGY AND HYDROGEOLOGY	2
2.1 GEOLOGY	2
2.2 HYDROGEOLOGY.....	2
3.0 PREVIOUS SITE ASSESSMENT AND REMEDIATION ACTIVITIES.....	3
4.0 WELL INSTALLATION ACTIVITIES	6
4.1 WELL INSTALLATION.....	6
4.1.1 Soil Sampling and Analysis.....	6
4.1.2 Soil Sampling Results.....	7
4.1.3 Groundwater Sampling and Analysis	8
4.1.4 Groundwater Sampling Results	8
5.0 CONCLUSIONS AND RECOMMENDATIONS	10
5.1 CONCLUSIONS.....	10
5.2 RECOMMENDATIONS.....	11
6.0 STANDARD LIMITATIONS	12
7.0 REFERENCES	13

FIGURES

Figure 1	Site Vicinity
Figure 2	Site Plan With Soil Sample Results
Figure 3A	Cross Section A-A`
Figure 3B	Cross Section B-B`
Figure 4	TPHg Isoconcentration Map
Figure 5	Benzene Isoconcentration Map
Figure 6	MTBE Isoconcentration Map

TABLES

Table 1	Soil Analytical Results
Table 2	Groundwater Analytical Results for Current Assessment
Table 3	Recent and Historic Groundwater Analytical Data – TPHg/BTEX/MTBE
Table 4	Recent and Historic Groundwater Analytical Data – Oxygenates

APPENDICES

Appendix A	Alameda County Environmental Health Monitoring Well Construction Permit
Appendix B	Well Boring Logs and Well Construction Diagram
Appendix C	Laboratory Analytical Reports
Appendix D	Well Sampling Field Sheets

1.0 INTRODUCTION

On behalf of Thrifty Oil Co. (Thrifty), Equipoise Corporation (EQC) has prepared this Site Assessment/Well Installation Report (SA/WIR) for Thrifty Station No. 063 located at 6125 Telegraph Avenue in Oakland, California (the Site) (**Figure 1**). Off-site well installation and off-site assessment activities were conducted per the *Off-Site Soil and Groundwater Investigation Workplan* prepared by EQC and dated November 27, 2006; and in accordance with the Alameda County Environmental Health (ACEH) approval letter dated December 21, 2006. Off-site groundwater monitoring wells MW-7 and MW-8 were installed on February 22, 2007.

1.1 SITE BACKGROUND

The Site is an active service station located at the southwest corner of the intersection of Telegraph Avenue and 62nd Street in the City of Oakland, California. The Site consists of two active pump islands, a service station building, and two 20,000-gallon double-walled underground storage tanks (USTs) (**Figure 2**).

2.0 GEOLOGY AND HYDROGEOLOGY

2.1 GEOLOGY

The Site is located at 6125 Telegraph Avenue in the City of Oakland (**Figure 1**) at an elevation of approximately 145 feet above mean sea level. Local topography slopes to the southwest at approximately 0.025 feet/foot. The Site is located within the San Francisco Bay structural depression of the Coast Ranges Physiographic Province in north-central Alameda County, California. The Site is situated in the flatland region between the San Francisco Bay and the Oakland Hills. This flatland region is comprised of Quaternary alluvium and estuarine bay and marsh deposits. Bedrock in the area consists of sedimentary, metasedimentary, volcanic, and intrusive rocks of Jurassic through Tertiary geologic age. Quaternary-age marine and alluvial sediments blanket the downwarped bedrock within the basin in which the Site is located. Shallow groundwater is locally present within the Quaternary sediments. The Site is underlain by Holocene alluvium and marsh deposits comprised of silts and clay. Soil types encountered during this Site investigation consisted predominantly of silty clay and silty sand from the ground surface to the total depth of 18 feet.

2.2 HYDROGEOLOGY

The area of investigation lies within the East Bay Plain groundwater basin which consists of two main water bearing units. The primary unit is comprised of unconsolidated alluvial deposits of Late Quaternary age and a secondary, older semi-consolidated deposit of Tertiary-Quaternary age. Groundwater within these deposits is both confined and unconfined, with the majority of the aquifers being confined. The Site is within the Berkeley alluvial plain sub area of the Bay Plains Groundwater Basin.

Groundwater is reported beneath the Site under unconfined conditions at depths ranging from approximately 12.96 feet below ground surface (bgs) in groundwater monitoring well MW-6 to 17.49 feet bgs in MW-3 (EQC, 2006a). A groundwater elevation contour map based on the January 24, 2007 groundwater monitoring data from existing groundwater monitoring wells indicates that flow was to the southwest at an approximate gradient of 0.005 feet/foot.

3.0 PREVIOUS SITE ASSESSMENT AND REMEDIATION ACTIVITIES

The site background described herein is synthesized from previous Site reports and, in particular, the *Revised Site Conceptual Model and Plume Travel Time Report*, prepared by EQC on behalf of Thrifty and dated November 27, 2006 (EQC, 2006b).

In June 1986, Groundwater Technology, Inc. drilled three borings to depths of 30 bgs and converted all of the borings into monitoring wells (MW-1 through MW-3). Groundwater was encountered at approximately 15 feet bgs. Results of soil sample analyses indicated up to 735 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons in the gasoline range (TPHg) (MW-2 at 14 feet). Results of groundwater sample analyses indicated 20.6, 1.47, and 49.4 milligrams per liter (mg/L) TPHg in groundwater samples collected from MW-1, MW-2, and MW-3, respectively. Later, in August 1986, free product was observed in all monitoring wells. Free product was immediately removed by hand bailing.

In November 1986, Woodward-Clyde Consultants (WCC) advanced three borings to a depth of 30 feet bgs each, and converted those borings into monitoring wells (MW-4 through MW-6). Groundwater was encountered at approximately 16 feet bgs. Laboratory analysis of soil samples indicated detectable levels of TPHg and benzene only in a sample collected MW-4 at 16 feet bgs (1,100 mg/kg TPH and 13 mg/kg benzene); the remaining soil samples were non-detect. Laboratory analysis of groundwater samples indicated up to 100 mg/L TPHg and 3.2 mg/kg benzene, as detected in a sample collected from MW-4. A thin layer of free product was noted in well MW-4.

In September 1987, Hydrotech Consultants, Inc. drilled four borings (B-1 through B-4) to depths of 20 feet bgs. Hydrocarbon concentrations were less than detection limits in the soil samples collected and analyzed.

In October 1987, Thrifty started free product recovery and groundwater monitoring activities. Free product was extracted from wells MW-1 through MW-4 using hand bailing method.

In October 1989, WCC installed a six-inch diameter recovery well. A total fluids ejector pump system was placed in the recovery well. The system pumps extracted groundwater and floating product through the oil/water separator, then to a holding tank, and finally through a pair of activated carbon filters to remove the dissolved hydrocarbons before being discharged into the sanitary sewer. A discharge permit was obtained from East Bay Municipal Utility District (EBMUD) prior to discharging the treated water.

In June 1997, Pacific Environmental Group, Inc. (Pacific) drilled nine soil borings (TDD-1 through TDD-9) to depths ranging from 10 to 20 feet bgs. Soil sample analyses indicated up to 550 mg/kg TPHg (TDD-6 at 5'), 2.5 mg/kg benzene (TDD-6 at 5'), and 14 mg/kg methyl tertiary-butyl ether (MTBE) (TDD-4 at 15').

In February 1998, the three USTs and associated piping were removed from the Site and replaced with two 20,000-gallon double-walled USTs. Soil samples collected during tank removal activities returned up to 3,600 mg/kg TPHg, 6.5 mg/kg benzene, and 26 mg/kg MTBE. As an interim remedial action, approximately 977 tons of hydrocarbon-impacted soils were excavated and transported to TPS Technologies facility in Adalento, California for treatment.

In July 2002, Thrifty proposed connecting the groundwater monitoring well MW-4 to the existing remediation system to enhance the reduction of the petroleum hydrocarbons in the groundwater. Since it had been more than two years with no response from the ACEH, on July 14, 2004 Thrifty notified the ACEH that it intends to proceed with connecting well MW-4 to the remediation system. Thrifty retained Advanced GeoEnvironmental, Inc. to connect well MW-4 to the remediation system.

The system was shut down for repairs to the pump and controller of the existing system on January 20, 2005. Since the pump controller for well MW-3 was old and was considered irreparable, the pump for MW-3 was replaced by a control-less submersible pump instead of an aboveground pump. During the preparations for pump upgrade for MW-3 in February 2005, it was also found that the hoses and tubing between MW-3 and the compound needed to be replaced due to their age. Repairs to the existing system were done in conjunction with the system upgrade (adding new extraction well).

The system was upgraded in the 2nd Quarter 2005, consisting of a pump replacement in well MW-3 and the adding of well MW-4 to the extraction well array. On May 10, 2005, the system was restarted with a new pump in well MW-3; and on May 13, 2005, a pump was installed in well MW-4. The pump in well MW-4 was started on May 20, 2005.

Site remedial activities were initiated in April 1991. The upgraded remediation system consists of a Groundwater Treatment System that extracts groundwater from monitoring wells MW-3 and MW-4 with treatment utilizing activated carbon. As of February 28, 2007, the groundwater treatment system has treated approximately 2,824,219 gallons of groundwater since start-up (April 1991).

Ongoing environmental activities at the site include weekly system maintenance; quarterly water sampling from the system's inlet and outlet; and quarterly groundwater monitoring, sampling, and reporting to ACEH.

4.0 WELL INSTALLATION ACTIVITIES

On February 22, 2007, EQC supervised the installation of two off-site groundwater monitoring wells, MW-7 and MW-8, in accordance with the *Off-Site Soil and Groundwater Investigation Workplan* prepared by EQC dated November 27, 2006; and in accordance with the ACEH approval letter dated December 21, 2006 (**Figure 2**). A copy of the well permit for the well installation is included in **Appendix A**.

4.1 WELL INSTALLATION

Off-site groundwater monitoring wells MW-7 and MW-8 were installed on February 22, 2007 to a depth of 18 feet bgs each by Test America Drilling Corporation of Rancho Cordova, California, under the supervision of EQC. A CME-75 equipped with an 8-inch hollow stem auger was used to install the wells. The two wells were constructed using two-inch diameter schedule 40 PVC having 0.010-inch slotted well screen from a depth of 8 feet bgs to total depth. A sand pack consisting of Monterey #2/12 sand was placed around the perforated section of each well from the total depth to 6 feet bgs and a well seal consisting of bentonite grout from 6 feet bgs to 3 feet bgs was placed on top of the sand pack. The two wells were protected with a traffic rated well box set in a 3-foot concrete seal and finished to the existing surface. Development of the wells was conducted on February 26, 2007 by moving a surge block up and down within the water column in the well. A Teflon bailer was used to extract the groundwater until at least 5 well volumes had been removed.

4.1.1 Soil Sampling and Analysis

Soil samples were collected during each well installation at 5-foot intervals in the vadoze zone with one sample collected from the capillary fringe and one sample collected from the bottom of the boring. Soil types, photoionization detector (PID) readings, and other pertinent information for wells MW-7 and MW-8 were recorded on a field boring log in accordance with the Unified Soil Classification System (USCS). Copies of the well boring logs as well as a well construction diagram are included in **Appendix B**. **Figure 2** shows the Site plan with cross section locations and geologic cross sections are provided as **Figures 3A** and **3B**. Because only two wells were completed for this assessment, **Figure 3A** was prepared using a combination of lithological data gathered during this investigation and historic boring logs, and **Figure 3B** is taken from EQC's *Revised Site Conceptual Model and Plume Travel Time Report* (EQC, 2006b).

Soil samples were collected in a stainless steel sample tube and capped with Teflon sheeting and plastic caps at each end for each sample depth. Soil samples were packaged, labeled, and placed in an ice-chilled cooler for delivery to Associated Laboratories, a State-certified analytical laboratory. The soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), MTBE, 1,2-Dichloroethane (EDC), 1,2-Dibromoethane (EDB) and other oxygenates by EPA Method 8260B, for ethanol and methanol by EPA Method 8015M, and for TPHg by EPA Method 8015B.

All drilling cuttings were stored in Department of Transportation (DOT) approved 55-gallon containers pending proper disposal.

4.1.2 Soil Sampling Results

The following is a summary of the soil sampling analytical results obtained from samples collected during the installation of offsite monitoring wells MW-7 and MW-8. A total of four soil samples were collected from each well.

MW-7

TPHg – Laboratory analytical results indicated that concentrations of TPHg from MW-7 ranged from non-detect (<0.022 mg/kg) to 710 milligrams per kilogram (mg/kg) in the sample collected from 15 feet bgs (MW-7 @ 15’).

Ethylbenzene – Laboratory analytical results indicated that concentrations of toluene from MW-7 ranged from non-detect (<0.00032 mg/kg) to 5.93 mg/kg in the sample collected from 15 feet bgs (MW-7 @ 15’).

Xylenes – Laboratory analytical results indicated that concentrations of total xylenes from MW-7 ranged from non-detect (<0.0007 mg/kg) to 10.8 mg/kg in the sample collected from 15 feet bgs (MW-7 @ 15’).

Soil samples collected from MW-7 had non-detectable concentrations of benzene, toluene, EDB, EDC, MTBE and other oxygenates including ethanol and methanol.

MW-8

Soil samples collected from MW-8 had non-detectable concentrations of TPHg, BTEX, EDB, EDC, MTBE and other oxygenates including ethanol and methanol.

Soil analytical results from this investigation are summarized in **Table 1**. The laboratory reports and chain-of-custody documentation for these samples are included in **Appendix C**.

4.1.3 Groundwater Sampling and Analysis

Groundwater samples were collected from MW-7 and MW-8 (more than 24 hours after well development) on March 5, 2007. Prior to sampling, the wells were purged using a bailer until at least 3 well volumes were removed and the measured chemical parameters (including temperature, pH, conductivity, and turbidity) stabilized. Copies of the well sampling field sheets are included as **Appendix D**.

Groundwater samples were collected using a disposable Teflon bailer and aliquoted into the appropriate containers in manner minimizing sample aeration. The sample containers were sealed, labeled, and immediately placed into a pre-chilled cooler with ice pending delivery to Associated Laboratories, a State-certified analytical laboratory. The groundwater samples were analyzed for BTEX, MTBE, EDC, EDB and other oxygenates by EPA Method 8260B, for ethanol and methanol by EPA Method 8015M, and for TPHg by EPA Method 8015B.

All decontamination water and groundwater produced during well development was stored in DOT approved 55-gallon containers pending proper disposal.

4.1.4 Groundwater Sampling Results

The following is a summary of the groundwater sampling analytical results obtained from samples collected from groundwater monitoring wells MW-7 and MW-8 on March 5, 2007.

MW-7

TPHg – Laboratory analytical results indicated that 3,110 micrograms per liter ($\mu\text{g/L}$) of TPHg were detected in MW-7.

Benzene – Laboratory analytical results indicated that 16 $\mu\text{g/L}$ of benzene was detected in MW-7.

Ethylbenzene – Laboratory analytical results indicated that 125 $\mu\text{g/L}$ of ethylbenzene was detected in MW-7.

Xylenes – Laboratory analytical results indicated that 725 $\mu\text{g/L}$ of total xylenes were detected in MW-7.

MTBE – Laboratory analytical results indicated that 9.9 µg/L of MTBE was detected in MW-7.

Groundwater samples collected from MW-7 had non-detectable concentrations of toluene, EDB, EDC, and other oxygenates including ethanol and methanol.

MW-8

MTBE – Laboratory analytical results indicated that 22 µg/L of MTBE was detected in MW-8.

Groundwater samples collected from MW-8 had non-detectable concentrations of TPHg, BTEX, EDB, EDC, and other oxygenates including ethanol and methanol.

Groundwater analytical results from this investigation along with selected well parameters are summarized in **Table 2**. The laboratory reports and chain-of-custody documentation for these samples are included in **Appendix C**. Recent and historic groundwater analytical data is presented in **Tables 3** and **4**. TPHg, benzene, and MTBE isoconcentration maps are presented in **Figures 3, 4, and 5**, respectively.

A groundwater contour map is not provided as part of this assessment because depth to water in groundwater monitoring wells MW-1, MW-3, MW-4, MW-5, and MW-6 was measured approximately one month before MW-7 and MW-8. Therefore, an apparent anomaly was observed and is likely the result of rain events having occurred February 7 through 12, 2007. Therefore, groundwater elevations, flow direction, and gradient will be provided and interpreted in the 2nd quarter 2007 status report.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

Based on the findings and laboratory analytical results, no petroleum hydrocarbons were identified in soil samples collected during the installation of monitoring well MW-8 to a drilled depth of 18 feet bgs.

Detectable levels of petroleum hydrocarbons were reported in soil samples collected during the installation of MW-7 to a drilled depth of 18 feet bgs, and in groundwater samples collected from MW-7 and MW-8.

Using the Environmental Screening Levels (ESLs) promulgated by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) for screening soil and groundwater at contaminated sites, the following is reported:

- One soil sample exceeded the ESL for TPHg,
- Two soil samples exceeded the ESL for ethylbenzene,
- Two soil samples exceeded the ESL for total xylenes,
- The groundwater sample collected from MW-7 exceeds the ESL for TPHg, benzene, ethylbenzene, total xylenes, and MTBE, and
- The groundwater sample collected from MW-8 exceeds the ESL for MTBE only.

This comparison is based on contamination at depths greater than 10 feet below ground surface and that the groundwater beneath the site is considered a potential drinking water resource. Values for the ESLs are found in **Tables 1 and 2**.

EQC has conducted this assessment to delineate soil and groundwater contamination down-gradient of Thrifty Station # 063 located at 6125 Telegraph Avenue in Oakland, California. Based on the results of the soil sample analysis, the southern extent of petroleum impacted soil has been delineated. Although slightly elevated concentrations of MTBE (22 µg/L) were detected in the groundwater sample collected from MW-8, no other petroleum constituents were reported at detectable concentrations. Due to the presence of a groundwater extraction system currently operating up-gradient of wells MW-7 and MW-8,

EQC believes that the dissolved-phase hydrocarbon plume has been adequately delineated in the down-gradient direction.

5.2 RECOMMENDATIONS

The newly installed wells (MW-7 and MW-8) will be added to the current quarterly monitoring and sampling program.

It is EQC's opinion that soil and groundwater contamination down-gradient of the Site has been adequately delineated and no further off-site assessment appears warranted at this time. We recommend Thrifty continue to operate the groundwater extraction system to contain dissolved phase constituents from further off-site migration.

6.0 STANDARD LIMITATIONS

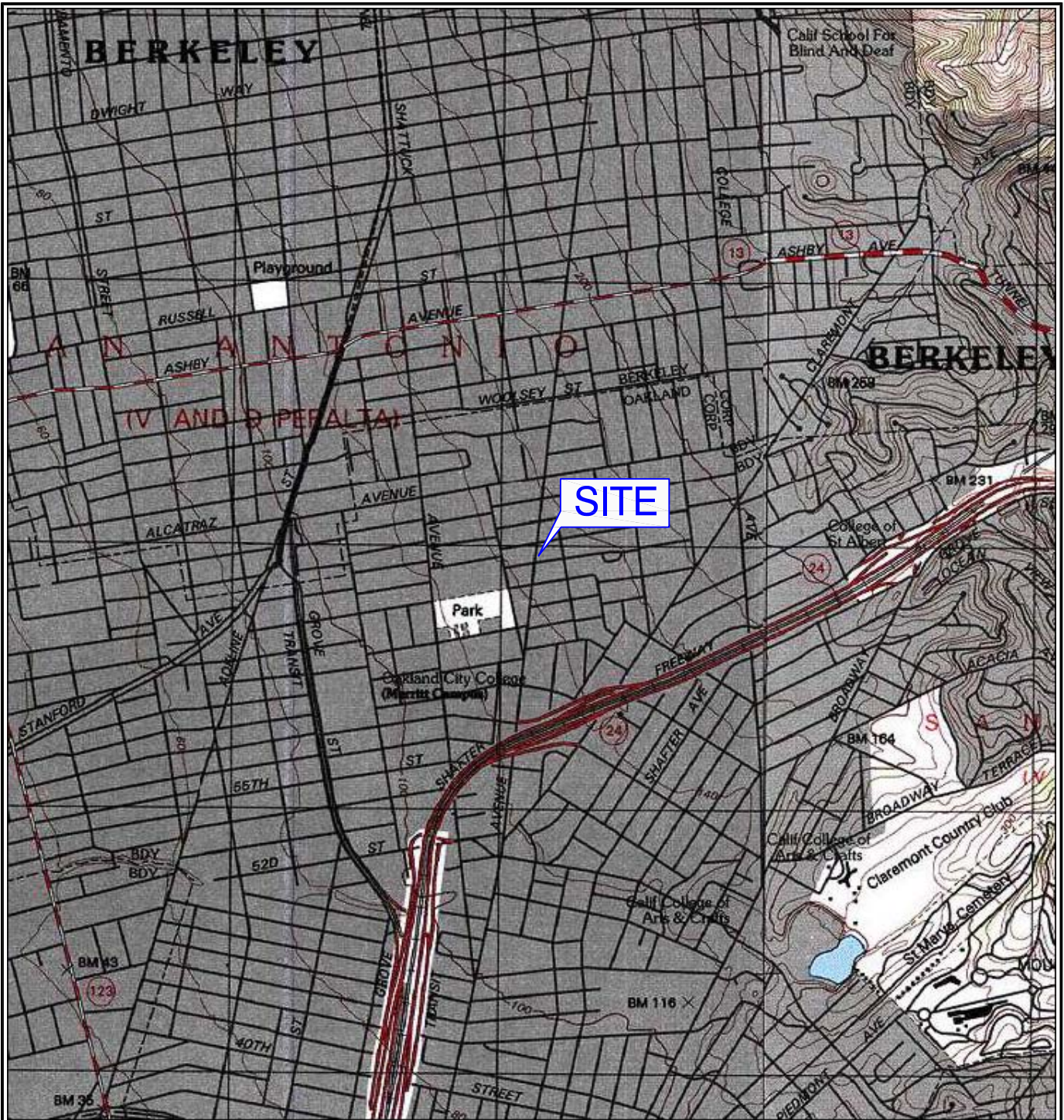
Services provided by EQC in the course of completing the site assessment activities have been conducted in a manner consistent with the care and skill ordinarily exercised by members of the consulting industry. No other representation expressed or implied and no other warranty or guarantee is included or intended in this report, its opinions, or documentation.

EQC may have relied on information provided by third parties in the course of completing this work. The validity of this information has not been confirmed and EQC cannot warrant its accuracy. There is always a potential for the presence of unknown, unidentified, or unforeseen subsurface conditions and/or contamination. If new data are developed from future studies (which may include intrusive investigations, groundwater sampling, or other efforts), EQC should be requested to re-evaluate the conclusions of this report, and to provide amendments as appropriate.

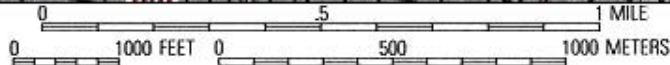
7.0 REFERENCES

- Equipoise Corporation, Inc. (EQC). 2006a. *Fourth Quarter 2006, Quarterly Status Report*, Former Thrifty Oil Co. Station # 063, 6125 Telegraph Avenue, Oakland, California.
- EQC. 2006b. *Revised Site Conceptual Model and Plume Travel Time Report*, Former Thrifty Oil Co. Station # 063, 6125 Telegraph Avenue, Oakland, California.

FIGURES



TN * MN
15°



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

EQUIPOISE
CORPORATION

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FILE NAME: SITE VICINITY MAP.DWG

SITE VICINITY MAP
THRIFTY OIL CO. #063
6125 Telegraph Avenue
Oakland, California

FIGURE:	1
SHEET:	of
REVISION NO:	0
DATE:	03/07

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIAION
COMPOUND

MW-7				
DEPTH	5	10	15	18
TPHg	<0.022	<0.022	710	13
B	<0.00032	<0.00032	<0.00032	<0.00032
T	<0.00038	<0.00038	<0.00038	<0.00038
E	<0.00032	<0.00032	5.9	4.7
X	<0.0007	<0.0007	10.8	9.0
MTBE	<0.00035	<0.00035	<0.00035	<0.00035
EDB	<0.00036	<0.00036	<0.00036	<0.00036
EDC	<0.00043	<0.00043	<0.00043	<0.00043
EtOH	<20	<20	<20	<20
MeOH	<20	<20	<20	<20

MW-8				
DEPTH	5	10	15	18
TPHg	<0.022	<0.022	<0.022	<0.022
B	<0.00032	<0.00032	<0.00032	<0.00032
T	<0.00038	<0.00038	<0.00038	<0.00038
E	<0.00032	<0.00032	<0.00032	<0.00032
X	<0.0007	<0.0007	<0.0007	<0.0007
MTBE	<0.00035	<0.00035	<0.00035	<0.00035
EDB	<0.00036	<0.00036	<0.00036	<0.00036
EDC	<0.00043	<0.00043	<0.00043	<0.00043
EtOH	<20	<20	<20	<20
MeOH	<20	<20	<20	<20

RESIDENTIAL

STA #063
BLDG

EXISTING
UST

6101
TELEGRAPH AVE.

COMMERCIAL

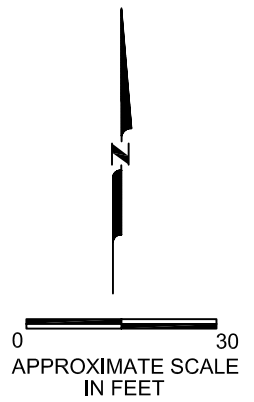
TELEGRAPH AVENUE

61ST STREET

EXPLANATION

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- ABANDONED GROUNDWATER MONITORING WELL
- SOIL BORING

NOTE: FORMER TANKS AND DISPENSERS WERE IN THE SAME LOCATION AS EXISTING TANKS AND DISPENSERS



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SITE PLAN WITH SOIL SAMPLE RESULTS

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:	2
SHEET:	of
REVISION NO:	0
DATE:	03/07

PROJECT NO. -

A
NORTH

MW-8

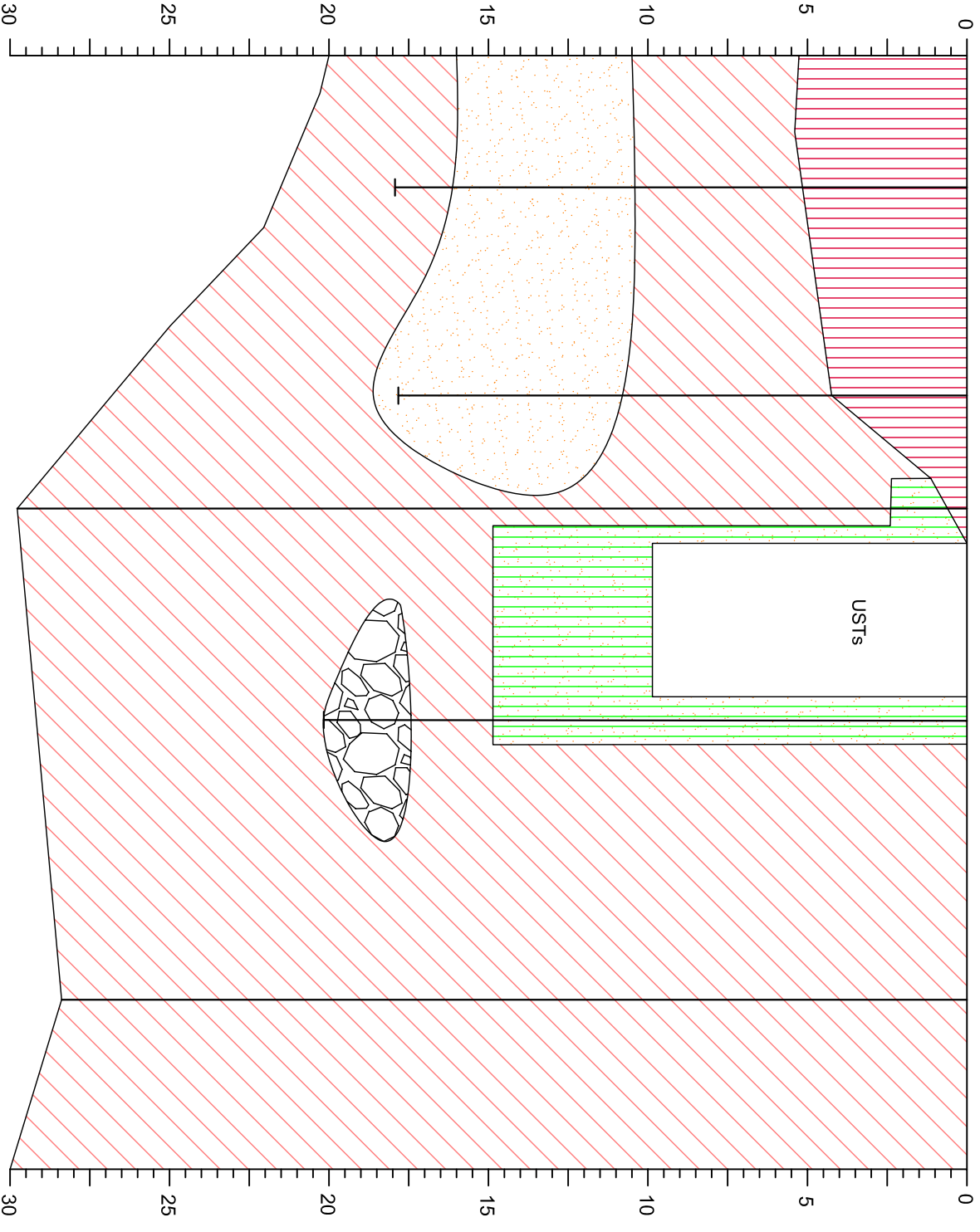
MW-7

MW-1

TDD-3

MW-5

A'
SOUTH



LEGEND

- ML
- SM
- SP
- GP
- CL



EQUIPOISE
CORPORATION

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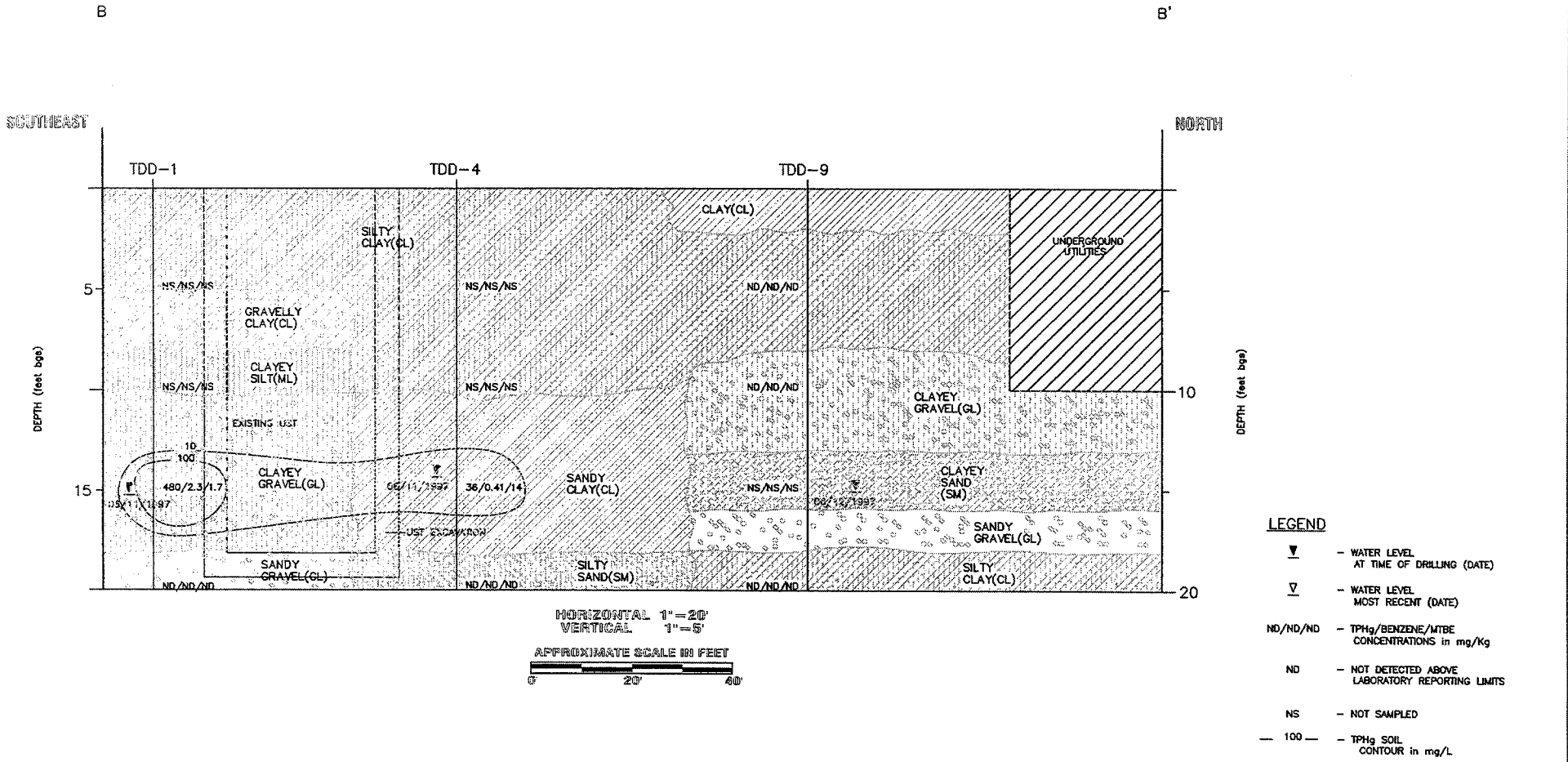
X-SECA_Thrifty_063.dwg

CROSS-SECTION A-A'
Thrifty Service Station #162
4591 N. Blackstone Avenue
Fresno, California

3A

FIGURE:
REVISION NO:
DATE: 04/07

VIEW SOUTHWEST



GUC: 1332 DATE: 02/10		GEOHYDROLOGIC CONSULTANTS, INC. 5912 Bolsa Avenue, Suite 200 Huntington Beach, CA 92649 www.geohydrologic.com	FIGURE 3B GEOLOGIC CROSS-SECTION B-B' THRIFTY SERVICE STATION #063 6125 Telegraph Avenue Oakland, CA

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

10

100

1,000

4,770

10,000

MW-4
21/600

TDD-1

3,110

MW-7

MW-1
ND<5.6

MW-2

MW-3

MW-5
60

MW-6
ND<5.6

MW-8
ND<5.6

TDD-5

TDD-7

TDD-9

B-4

TDD-6

TDD-4

TDD-3

TDD-8

B-1

MW-2

TDD-2

B-2

B-3

EXISTING
UST

DISPENSER
ISLAND

6101
TELEGRAPH AVE.

COMMERCIAL

RESIDENTIAL

TELEGRAPH AVENUE

EXPLANATION

- GROUNDWATER MONITORING WELL
- GROUNDWATER RECOVERY WELL
- ABANDONED GROUNDWATER MONITORING WELL
- SOIL BORING

Groundwater samples collected on 1/24/2007 from MW-1, MW-3, MW-4, MW-5, MW-6

Groundwater samples collected on 3/5/2007 from MW-7 and MW-8

61ST STREET



0 30
APPROXIMATE SCALE
IN FEET

EQUIPOISE
CORPORATION

1401 North El Camino Real, Suite 107
San Clemente, California 92672
Phone: 949 366 0275
Fax: 949 366 0281

TPHg ISOCONCENTRATION MAP

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:	4
SHEET:	of
REVISION NO:	0
DATE:	03/07

PROJECT NO. -

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

EXISTING
UST

DISPENSER
ISLAND

6101
TELEGRAPH AVE.





COMMERCIAL

RESIDENTIAL

TELEGRAPH AVENUE

61ST STREET

EXPLANATION

-  GROUNDWATER MONITORING WELL
-  GROUNDWATER RECOVERY WELL
-  ABANDONED GROUNDWATER MONITORING WELL
-  SOIL BORING

Groundwater samples collected on 1/24/2007 from MW-1, MW-3, MW-4, MW-5, MW-6

Groundwater samples collected on 3/5/2007 from MW-7 and MW-8



EQUIPOISE CORPORATION
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 San Clemente, California 92672
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PROJECT NO. -

BENZENE ISOCONCENTRATION MAP

Thrifty Station No. 063
 6125 Telegraph Avenue
 Oakland, California

FIGURE:	5
SHEET:	of
REVISION NO:	0
DATE:	03/07

RESIDENTIAL

62ND STREET

RESIDENTIAL

REMEDIA
TION
COMPOUND

STA #063
BLDG

EXISTING
UST

DISPENSER
ISLAND





6101
TELEGRAPH AVE.

COMMERCIAL

RESIDENTIAL

TELEGRAPH AVENUE

EXPLANATION

-  GROUNDWATER MONITORING WELL
-  GROUNDWATER RECOVERY WELL
-  ABANDONED GROUNDWATER MONITORING WELL
-  SOIL BORING

Groundwater samples collected on 1/24/2007 from MW-1, MW-3, MW-4, MW-5, MW-6

Groundwater samples collected on 3/5/2007 from MW-7 and MW-8

61ST STREET



0 30
APPROXIMATE SCALE
IN FEET

EQUIPOISE
CORPORATION

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MTBE ISOCONCENTRATION MAP

Thrifty Station No. 063
6125 Telegraph Avenue
Oakland, California

FIGURE:	6
SHEET:	of
REVISION NO:	0
DATE:	03/07

PROJECT NO. -

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS
 THRIFTY OIL CO. STATION #063 - OAKLAND, CALIFORNIA

SAMPLE ID	DATE SAMPLED	ANALYTICAL PARAMETERS													
		EPA Method 8015 B	EPA Method 8260B										EPA Method 8015 M		
		TPH Gasoline mg/kg	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Xylenes mg/kg	MTBE mg/kg	EDB mg/kg	EDC mg/kg	DIPE mg/kg	ETBE mg/kg	TAME mg/kg	TBA mg/kg	EtOH mg/kg	MeOH mg/kg
Soil Boring MW-7															
MW-7 @ 5	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-7 @ 10	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-7 @ 15	2/22/2007	710	<0.00032	<0.00038	5.9	10.8	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-7 @ 18	2/22/2007	13	<0.00032	<0.00038	4.7	9.0	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
Soil Boring MW-8															
MW-8 @ 5	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-8 @ 10	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-8 @ 15	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
MW-8 @ 18	2/22/2007	<0.022	<0.00032	<0.00038	<0.00032	<0.0007	<0.00035	<0.00036	<0.00043	<0.00082	<0.00077	<0.00061	<0.005	<20	<20
Environmental Screening Level (ESL)															
Shallow Soils (<3 meters bgs)		100	0.044	2.9	3.3	2.3	0.023	0.00033	0.0045	--	--	--	0.073	45	--
Deep Soils (>3 meters bgs)		100	0.044	2.9	3.3	2.3	0.023	0.00033	0.0045	--	--	--	0.073	45	--

NOTE:

TPH	= total petroleum hydrocarbons	TBA	= Tertiary butyl alcohol	" -- "	= Not analyzed / Not available
MTBE	= Methyl-tert-butyl ether	EtOH	= Ethanol	" < "	= Less than detection level indicated
DIPE	= Di-isopropyl ether	MeOH	= Methanol	" J "	= Flag indicating value between MDL & PQL
ETBE	= Ethyl-tert-butyl ether	EDB	= 1,2 - Dibromoethane	mg/kg	= milligrams per kilogram
TAME	= Tert-amyl methyl ether	EDC	= 1,2 - Dichloroethane		

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FROM CURRENT ASSESSMENT
 THRIFTY OIL CO. STATION #063 -
 OAKLAND, CALIFORNIA

WELL	Status	Monit./ Sampl. Date	ANALYTICAL PARAMETERS														MONITORING PARAMETERS				ELEVATION	
			TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	EtOH (mg/L)	MeOH (mg/L)	EDB (µg/L)	EDC (µg/L)	DTP (feet)	DTW (feet)	DTB (feet)	PT (feet)	CASING (feet)	GW (feet)
MW-7	ACT	03/05/07	3,110	16	<0.10	125	725	9.9	<0.29	<0.17	<0.28	<10	<20	<20	<0.46	<0.2	NP	10.84	17.43	0.00	148.20	137.36
MW-8	ACT	03/05/07	<5.6	<0.32	<0.10	<0.24	<0.3	22	<0.29	<0.17	<0.28	<10	<20	<20	<0.46	<0.2	NP	11.90	18.30	0.00	147.31	135.41
ESL	--	--	100	1	40	30	20	5	--	--	--	12	50	--	0.05	0.5	--	--	--	--	--	--

NOTE: ACT = Groundwater well currently used for monitoring
 INACT = Groundwater well is NOT included in groundwater monitoring program
 DRY = Groundwater well is dry and cannot be sampled
 NOACC = Presently no access to groundwater well
 DEST = Groundwater well has been properly destroyed; no longer is conduit to subsurf.

TPHg = Total Petroleum Hydrocarbons as gasoline
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Total Xylenes

MTBE = Methyl-tert-butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl-tert-butyl ether
 TAME = Tert-amyl methyl ether
 TBA = Tertiary butyl alcohol

EtOH = Ethanol
 MeOH = Methanol
 EDB = 1,2 - Dibromoethane
 EDC = 1,2 - Dichloroethane
 ESL = Environmental Screening Level

DTW = Depth To Water
 DTB = Depth To Bottom
 DTP = Depth To Product
 PT = Product Thickness
 GW = Groundwater

* -- = Not analyzed / Not available
 * < = Less than detection level indicated
 * J = Flag indicating value between MDL & PQL
 NP = No free product
 * = Pump in WELL affected DTW

TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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 #MW-1											
<i>Screen Interval = 15 to 30 feet</i>											
11/21/86	-	-	-	-	-	-	NP	15.42	0.00	99.34	83.92
07/22/91	-	-	-	-	-	-	FILM	20.41	0.00	99.34	78.93
10/24/91	-	-	-	-	-	-	SHEEN	19.06	0.00	99.34	80.28
01/22/92	-	-	-	-	-	-	SHEEN	18.78	0.00	99.34	80.56
03/24/92	-	-	-	-	-	-	SHEEN	13.55	0.00	99.34	85.79
07/15/92	-	-	-	-	-	-	FILM	18.90	0.00	99.34	80.44
10/05/92	-	-	-	-	-	-	FILM	20.50	0.00	99.34	78.84
01/06/93	-	-	-	-	-	-	FILM	14.93	0.00	99.34	84.41
07/13/93	-	-	-	-	-	-	FILM	15.44	0.00	99.34	83.90
10/11/93	-	-	-	-	-	-	FILM	20.36	0.00	99.34	78.98
01/11/94	-	-	-	-	-	-	FILM	19.50	0.00	99.34	79.84
04/12/94	-	-	-	-	-	-	FILM	18.10	0.00	99.34	81.24
07/14/94	-	-	-	-	-	-	FILM	20.03	0.00	99.34	79.31
01/15/96	11,000	2,800	150	780	770	-	NP	19.02	0.00	99.34	80.32
04/15/96	17,000	3,600	330	1,500	3,400	-	NP	18.82	0.00	99.34	80.52
07/15/96	12,000	1,300	200	1,200	4,600	250	NP	#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.87	0.00	99.34	84.47
01/13/97	27,000	810	6,000	570	4,100	2,700	NP	10.20	0.00	99.34	89.14
04/14/97	2,900	3.0	2.9	<0.3	1.7	9,900	NP	#N/A	-	-	-
07/07/97	5,200	0.57	0.57	<0.3	0.71	16,000	NP	18.75	0.00	99.34	80.59
10/16/97	680	<0.3	0.55	<0.3	<0.5	-	NP	17.92	0.00	99.34	81.42
01/07/98	42,000	980	2,800	1,200	5,200	1.3	NP	9.80	0.00	99.34	89.54
04/06/98	7,100	700	340	170	2,600	1,000	NP	9.60	0.00	99.34	89.74
07/14/98	19,000	2,100	400	890	5,800	1,600	NP	13.70	0.00	99.34	85.64
10/15/98	490	<0.3	<0.3	<0.3	<0.5	1,300	NP	15.25	0.00	99.34	84.09
01/20/99	350	<0.3	<0.3	<0.3	<0.5	* 670 / 820	NP	12.20	0.00	99.34	87.14
04/16/99	320	<0.3	<0.3	<0.3	<0.5	* 540 / 630	NP	12.20	0.00	99.34	87.14
07/14/99	290	<0.3	<0.3	<0.3	<0.5	*590 / 580	NP	13.75	0.00	99.34	85.59
10/07/99	130	<0.3	<0.3	<0.3	<0.5	270	NP	12.15	0.00	99.34	87.19
01/26/00	13,000	460	54	290	3,700	940	NP	13.14	0.00	99.34	86.20
04/19/00	546	<0.25	<0.25	<0.25	<0.5	*430 / 606	NP	10.63	0.00	99.34	88.71
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	9.11	0.00	99.34	90.23
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	9.10	0.00	99.34	90.24
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	9.08	0.00	99.34	90.26
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	12.16	0.00	99.34	87.18
04/23/01	18,100	740	55	650	4,000	*1,850 / 842	NP	10.60	0.00	99.34	88.74
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	9.07	0.00	99.34	90.27
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	12.16	0.00	99.34	87.18
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.23	0.00	99.34	84.11
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.17	0.00	99.34	84.17
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	16.71	0.00	99.34	82.63

TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
10/30/02	<50	2.2	<0.14	<0.18	<0.26	13	NP	15.16	0.00	99.34	84.18
01/15/03	465 J	<0.14	<0.07	<0.08	<0.35	147	NP	16.70	0.00	99.34	82.64
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.16	0.00	99.34	84.18
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.64	0.00	99.34	85.70
10/08/03	761	11	<0.32	1.4 J	2.9 J	653	NP	15.50	0.00	99.34	83.84
01/15/04	853	<0.04	<0.02	<0.02	<0.06	*1,100 / 558	NP	14.20	0.00	99.34	85.14
04/14/04	494	<2.2	<3.2	<3.1	<4.0	843	NP	12.93	0.00	99.34	86.41
07/29/04	1,040	<2.2	<3.2	<3.1	<4.0	1,070	NP	14.73	0.00	99.34	84.61
10/14/04	3,250	266	<0.32	59	78	811	NP	15.26	0.00	99.34	84.08
01/06/05	197	<0.22	<0.32	<0.31	<0.4	406	NP	15.14	0.00	99.34	84.20
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.40	0.00	99.34	89.94
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.65	0.00	99.34	82.69
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	18.19	0.00	99.34	81.15
01/19/06	1,380	58	<0.10	62	113	33	NP	9.37	0.00	99.34	89.97
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	10.02	0.00	99.34	89.32
07/26/06	8,850	151	649	178	778	133	NP	15.18	0.00	99.34	84.16
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	75	NP	15.13	0.00	99.34	84.21
01/24/07	<5.6	<0.32	3.1 J	1.2 J	6.4	<0.63	NP	13.60	0.00	148.43	134.83
MONITORING WELL #MW-2 <i>Screen Interval = 15 to 30 feet</i>											
11/21/86	-	-	-	-	-	-	0.11	14.90	14.79	100.01	96.28
07/22/91	-	-	-	-	-	-	0.38	17.84	17.46	100.01	95.35
10/24/91	-	-	-	-	-	-	16.97	17.00	0.03	100.01	83.03
01/22/92	-	-	-	-	-	-	FILM	16.72	0.00	100.01	83.29
03/24/92	-	-	-	-	-	-	11.98	15.81	3.83	100.01	87.09
07/15/92	-	-	-	-	-	-	FILM	16.37	0.00	100.01	83.64
10/05/92	-	-	-	-	-	-	18.09	18.41	0.32	100.01	81.84
01/06/93	-	-	-	-	-	-	FILM	12.37	0.00	100.01	87.64
07/13/93	-	-	-	-	-	-	FILM	15.19	0.00	100.01	84.82
10/11/93	-	-	-	-	-	-	0.10	18.05	17.95	100.01	95.51
01/11/94	-	-	-	-	-	-	0.03	16.98	16.95	100.01	95.83
04/12/94	-	-	-	-	-	-	FILM	15.54	0.00	100.01	84.47
07/14/94	-	-	-	-	-	-	FILM	17.93	0.00	100.01	82.08
01/15/96	7,100	720	280	48	660	-	NP	17.20	0.00	100.01	82.81
04/15/96	11,000	600	59	420	870	-	NP	17.26	0.00	100.01	82.75
07/15/96	19,000	360	51	610	1,600	<250		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	14.42	0.00	100.01	85.59
01/13/97	11,000	230	30	91	700	56	NP	10.25	0.00	100.01	89.76
04/14/97	141	1.2	0.33	0.44	<0.5	20		#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	17.20	0.00	100.01	82.81
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	16.20	0.00	100.01	83.81
01/07/98	-	-	-	-	-	-	16.18	16.26	0.08	100.01	83.81

TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
Well Abandoned 1/30/98											
MONITORING WELL #MW-3											
<i>Screen Interval = 15 to 30 feet</i>						(GROUNDWATER SYSTEM'S PUMPING WELL)					
11/21/86	-	100	5.1	<1.0	25	-	0.10	16.25	16.15	99.76	95.70
07/22/91	-	-	-	-	-	-	NP	24.00	0.00	99.76	75.76
10/24/91	-	-	-	-	-	-	NP	18.10	0.00	99.76	81.66
01/22/92	-	-	-	-	-	-	SHEEN	25.80	0.00	99.76	73.96
03/24/92	-	-	-	-	-	-	NP	15.60	0.00	99.76	84.16
07/15/92	-	-	-	-	-	-	FILM	25.10	0.00	99.76	74.66
10/05/92	-	-	-	-	-	-	NP	25.20	0.00	99.76	74.56
01/06/93	-	-	-	-	-	-	NP	25.45	0.00	99.76	74.31
07/13/93	-	-	-	-	-	-	NP	14.24	0.00	99.76	85.52
10/11/93	-	-	-	-	-	-	NP	25.60	0.00	99.76	74.16
01/11/94	-	-	-	-	-	-	NP	25.90	0.00	99.76	73.86
04/12/94	-	-	-	-	-	-	NP	25.70	0.00	99.76	74.06
07/14/94	-	-	-	-	-	-	NP	25.10	0.00	99.76	74.66
01/15/96	-	-	-	-	-	-	NP	26.04	0.00	99.76	73.72
04/15/96	-	-	-	-	-	-	NP	21.03	0.00	99.76	78.73
07/15/96	5,900	240	30	270	730	780	#N/A	-	-	-	-
10/09/96	-	-	-	-	-	-	NP	21.43	0.00	99.76	78.33
01/13/97	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/07/97	-	-	-	-	-	-	NP	23.40	0.00	99.76	76.36
10/16/97	-	-	-	-	-	-	NP	22.30	0.00	99.76	77.46
01/07/98	-	-	-	-	-	-	NP	20.10	0.00	99.76	79.66
07/14/98	-	-	-	-	-	-	NP	14.40	0.00	99.76	85.36
10/15/98	-	-	-	-	-	-	#N/A	-	-	-	-
01/20/99	-	-	-	-	-	-	#N/A	-	-	-	-
04/16/99	-	-	-	-	-	-	NP	11.20	0.00	99.76	88.56
07/14/99	5,600	9.6	1.3	3.5	8.1	*14,000 / 14,000	NP	25.87	0.00	99.76	73.89
10/07/99	-	-	-	-	-	-	NP	15.40	0.00	99.76	84.36
01/26/00	-	-	-	-	-	-	NP	14.25	0.00	99.76	85.51
04/19/00	-	-	-	-	-	-	NP	14.20	0.00	99.76	85.56
05/26/00	-	-	-	-	-	-	NP	15.12	0.00	99.76	84.64
07/26/00	-	-	-	-	-	-	NP	14.30	0.00	99.76	85.46
10/25/00	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44
01/10/01	-	-	-	-	-	-	NP	13.46	0.00	99.76	86.30
04/23/01	-	-	-	-	-	-	#N/A	-	-	-	-
07/16/01	-	-	-	-	-	-	NP	12.80	0.00	99.76	86.96
10/17/01	-	-	-	-	-	-	NP	15.30	0.00	99.76	84.46
01/23/02	-	-	-	-	-	-	#N/A	-	-	-	-
04/10/02	-	-	-	-	-	-	NP	13.22	0.00	99.76	86.54
07/24/02	-	-	-	-	-	-	NP	14.32	0.00	99.76	85.44

**TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
10/30/02	-	-	-	-	-	-	NP	16.20	0.00	99.76	83.56
01/15/03	-	-	-	-	-	-	NP	14.10	0.00	99.76	85.66
04/16/03	-	-	-	-	-	-		#N/A	-	99.76	-
07/14/03	2,490	<0.22	<0.32	<0.31	1.3 J	2,050	NP	18.30	0.00	99.76	81.46
10/08/03	3,330	<0.22	<0.32	<0.31	<0.4	4,070	NP	16.65	0.00	99.76	83.11
01/15/04	102	2.1	3.5	<0.02	12	*28 / 17	NP	14.18	0.00	99.76	85.58
04/14/04	464	63	18	<0.31	16	189	NP	13.45	0.00	99.76	86.32
07/29/04	1,560	74	<3.2	30 J	<4.0	729	NP	15.94	0.00	99.76	83.82
10/14/04	2,490	25	<0.32	<0.31	<0.4	2,530	NP	16.11	0.00	99.76	83.65
01/06/05	394	12	<0.32	1.5 J	<0.4	51	NP	15.61	0.00	99.76	84.15
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.19	0.00	99.76	90.57
07/27/05	383	5.6	<0.10	17	2.4 J	125	NP	16.63	0.00	99.76	83.13
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	16.97	0.00	99.76	82.79
01/19/06	2,050	93	2.2 J	103	55	273	NP	10.92	0.00	99.76	88.84
04/12/06	70	<0.32	<0.10	<0.24	<0.30	265	NP	12.55	0.00	99.76	87.21
07/26/06	228	<0.32	<0.10	<0.24	26	389	NP	14.94	0.00	99.76	84.82
10/25/06	87,100	26	4,880	2,390	18,500	<6.3	NP	17.49	0.00	99.76	82.27
01/24/07	4,770	1.5	98	86	604	<0.63	NP	13.40	0.00	148.94	135.54
MONITORING WELL #MW-4 <i>Screen Interval = 9 to 29 feet</i>											
11/21/86	100,000	3,200	2,700	2,400	14,000	-	FILM	16.22	0.00	99.48	83.26
07/22/91	-	-	-	-	-	-	21.35	21.80	0.45	99.48	78.02
10/24/91	-	-	-	-	-	-	SHEEN	20.02	0.00	99.48	79.46
01/22/92	-	-	-	-	-	-	SHEEN	19.78	0.00	99.48	79.70
03/24/92	-	-	-	-	-	-	FILM	13.94	0.00	99.48	85.54
07/15/92	-	-	-	-	-	-	FILM	19.27	0.00	99.48	80.21
10/05/92	-	-	-	-	-	-	FILM	21.44	0.00	99.48	78.04
01/06/93	-	-	-	-	-	-	FILM	14.08	0.00	99.48	85.40
07/13/93	-	-	-	-	-	-	FILM	16.09	0.00	99.48	83.39
10/11/93	-	-	-	-	-	-	FILM	21.33	0.00	99.48	78.15
01/11/94	-	-	-	-	-	-	FILM	20.45	0.00	99.48	79.03
04/12/94	-	-	-	-	-	-	FILM	19.05	0.00	99.48	80.43
07/14/94	-	-	-	-	-	-	FILM	20.41	0.00	99.48	79.07
01/15/96	5,000	370	38	300	390	-	NP	19.89	0.00	99.48	79.59
04/15/96	38,000	300	78	540	470	-	NP	19.62	0.00	99.48	79.86
07/15/96	13,000	880	69	820	1,100	3,600		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.32	0.00	99.48	84.16
01/13/97	47,000	2,500	2,500	1,100	2,800	70,000	NP	10.80	0.00	99.48	88.68
04/14/97	8,700	<0.3	0.45	<0.3	0.64	29,000		#N/A	-	-	-
07/07/97	12,000	<0.3	<0.3	<0.3	<0.5	-	NP	18.80	0.00	99.48	80.68
10/16/97	770	<0.3	<0.3	<0.3	<0.5	-	NP	17.76	0.00	99.48	81.72
01/07/98	75,000	3,000	900	1,400	2,500	110	NP	11.60	0.00	99.48	87.88

**TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
04/08/98	18,000	1,200	130	710	1,400	22,000	NP	10.10	0.00	99.48	89.38
07/14/98	21,000	1,300	58	1,200	1,100	23,000	NP	16.30	0.00	99.48	83.18
10/15/98	9,100	1.1	0.62	<0.3	<0.5	30,000	NP	16.90	0.00	99.48	82.58
01/20/99	16,000	<0.3	0.91	0.72	1.4	* 43,000 / 42,000	NP	15.35	0.00	100.48	85.13
04/16/99	17,000	0.48	0.92	0.54	1.4	* 28,000 / 26,000	NP	15.30	0.00	100.48	85.18
07/14/99	8,500	<6	<6	<6	<10	*21,000 / 16,000	NP	18.40	0.00	100.48	82.08
10/07/99	2,500	<1.5	3.1	<1.5	<2.5	4,800	NP	16.89	0.00	100.48	83.59
01/26/00	9,900	350	9	460	460	2,800	NP	12.62	0.00	100.48	87.86
04/19/00	8,990	0.7	<0.25	<0.25	<0.5	*3,240 / 5,450	NP	12.28	0.00	100.48	88.20
05/26/00	94	<0.3	<0.3	<0.3	<0.6	*746 / 419	NP	13.81	0.00	100.48	86.67
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	3,110 / 2,060	NP	12.29	0.00	100.48	88.19
10/25/00	2,480	<0.18	<0.14	<0.18	<0.26	*3,690 / 3,040	NP	12.26	0.00	100.48	88.22
01/10/01	<50	<0.18	2	<0.18	1	962	NP	10.75	0.00	100.48	89.73
04/23/01	482	<0.18	<0.14	<0.18	<0.26	*875 / 453	NP	12.26	0.00	100.48	88.22
07/16/01	71,700	9,440	12,600	514	8,980	*1,330 / 389	NP	13.80	0.00	100.48	86.68
10/17/01	13,500	1,950	425	<5.94	1,110	*829 / 329	NP	16.87	0.00	100.48	83.61
01/23/02	12,100	196	57	68	2,090	*688/738	NP	12.28	0.00	100.48	88.20
04/10/02	655	7	8	1	1	587	NP	13.80	0.00	100.48	86.68
07/24/02	17,400	<0.18	1.9	1.4	2.2	12,800	NP	15.33	0.00	100.48	85.15
10/30/02	17,300	400	47	748	131	12,300	NP	17.00	0.00	100.48	83.48
01/15/03	23,000	568	39	832	268	18,300	NP	16.84	0.00	100.48	83.64
04/16/03	15,800	411	15	26	14	18,200	NP	16.86	0.00	100.48	83.62
07/14/03	13,300	145	26	2.8 J	12	17,600	NP	10.69	0.00	100.48	89.79
10/08/03	12,500	64	<3.2	359	24 J	11,400	NP	16.32	0.00	100.48	84.16
01/15/04	12,300	11	4.4	66	4.0	*17,000 / 9,560	NP	14.67	0.00	100.48	85.81
04/14/04	7,340	<11	<16	<15.5	<20	13,500	NP	13.68	0.00	100.48	86.80
07/29/04	5,400	<2.2	<3.2	57	<4.0	6,730	NP	15.50	0.00	100.48	84.98
10/14/04	10,200	197	<3.2	233	13 J	3,940	NP	16.08	0.00	100.48	84.40
01/06/05	4,880	60	<3.2	74	<4.0	4,760	NP	15.24	0.00	100.48	85.24
04/13/05	2,780	57	35	20	251	3,650	NP	9.64	0.00	100.48	90.84
07/27/05	1,990	<0.32	<0.10	<0.24	<0.30	2,590	NP	16.79	0.00	100.48	83.69
10/12/05	25,700	177	<1.0	941	<3.0	4,810	NP	16.78	0.00	100.48	83.70
01/19/06	4,780	96	1.9 J	183	57	210	NP	10.46	0.00	100.48	90.02
04/12/06	1,860	<0.32	<0.10	<0.24	<0.30	192	NP	12.69	0.00	100.48	87.79
07/26/06	6,390	133	343	94	363	1,160	NP	15.18	0.00	100.48	85.30
10/25/06	12,100	51	162	<2.4	2,380	2,050	NP	14.88	0.00	100.48	85.60
01/24/07	21,600	2.9	256	205	1,710	123	NP	13.74	0.00	148.88	135.14
MONITORING WELL #MW-5 <i>Screen Interval = 7 to 27 feet</i>											
11/21/86	<1,000	4.8	2.1	<0.5	7.4	-	NP	16.10	0.00	100.98	84.88
07/22/91	-	<0.5	1.6	<1.0	2.0	-	NP	18.20	0.00	100.98	82.78
10/24/91	-	-	-	-	-	-	NP	17.67	0.00	100.98	83.31

**TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
01/22/92	600	21.0	8.0	2.0	17.0	-		#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	12.98	0.00	100.98	88.00
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	17.29	0.00	100.98	83.69
10/05/92	-	-	-	-	-	-	NP	18.92	0.00	100.98	82.06
01/06/93	300	2.7	<0.5	1.3	26.0	-	NP	13.12	0.00	100.98	87.86
07/13/93	<100	1.1	0.5	1.0	1.5	-	NP	16.15	0.00	100.98	84.83
10/11/93	130	1.2	<0.3	<0.3	<0.6	-	NP	18.75	0.00	100.98	82.23
01/11/94	<50	1.5	<0.3	<0.3	<0.5	-	NP	17.80	0.00	100.98	83.18
04/12/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.59	0.00	100.98	87.39
07/14/94	<50	0.42	<0.3	<0.3	<0.5	-	NP	18.26	0.00	100.98	82.72
07/15/95	100	1.2	<0.5	0.8	<1	-		#N/A	-	-	-
01/15/96	1,900	21	13	6.2	6.8	-	NP	13.09	0.00	100.98	87.89
04/15/96	250	5.1	2.7	1.7	1.1	-	NP	13.16	0.00	100.98	87.82
07/15/96	270	6.5	1.4	1.8	1.4	230		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	15.37	0.00	100.98	85.61
01/13/97	25,000	780	5,700	560	4,000	24,000	NP	10.90	0.00	100.98	90.08
04/14/97	6,300	260	1,600	28	550	9,000		#N/A	-	-	-
07/07/97	7,500	300	1,500	12	110	16,000	NP	14.70	0.00	100.98	86.28
10/16/97	4,600	<0.3	0.65	<0.3	<0.5	-	NP	13.60	0.00	100.98	87.38
01/07/98	2,700	33	11	37	580	7.3	NP	10.97	0.00	100.98	90.01
04/08/98	300	9.1	<0.3	<0.3	<0.5	650	NP	10.90	0.00	100.98	90.08
07/14/98	670	5.9	<0.3	<0.3	0.53	2,300	NP	15.20	0.00	100.98	85.78
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	19	NP	15.90	0.00	100.98	85.08
01/20/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.20	0.00	101.98	86.78
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.25	0.00	101.98	86.73
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	15.96	0.00	101.98	86.02
10/07/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	16.33	0.00	101.98	85.65
01/26/00	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	14.80	0.00	101.98	87.18
04/19/00	965	<0.25	<0.25	<0.25	<0.5	<5	NP	10.97	0.00	101.98	91.01
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	14.43	0.00	101.98	87.55
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	14.02	0.00	101.98	87.96
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.04	0.00	101.98	87.94
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*10 / 4.2	NP	10.97	0.00	101.98	91.01
07/16/01	3,360	430	603	53	429	*41 / 4.2	NP	14.80	0.00	101.98	87.18
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	*16 / 5.2	NP	16.71	0.00	101.98	85.27
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.80	0.00	101.98	87.18
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.42	0.00	101.98	87.56
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	14.78	0.00	101.98	87.20
10/30/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.93	0.00	101.98	86.05
01/15/03	<50	<0.14	<0.07	<0.08	<0.35	<2.0	NP	15.55	0.00	101.98	86.43
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.55	0.00	101.98	86.43

**TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.93	0.00	101.98	86.05
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	16.35	0.00	101.98	85.63
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	15.06	0.00	101.98	86.92
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.96	0.00	101.98	88.02
07/29/04	659	<2.2	<3.2	<3.1	<4.0	606	NP	15.60	0.00	101.98	86.38
10/14/04	411	<0.22	<0.32	<0.31	<0.4	425	NP	16.17	0.00	101.98	85.81
01/06/05	433	<0.22	<0.32	<0.31	<0.4	491	NP	15.52	0.00	101.98	86.46
04/13/05	161	<0.22	<0.32	<0.31	<0.4	465	NP	10.12	0.00	101.98	91.86
07/27/05	237	<0.32	<0.10	<0.24	<0.30	243	NP	16.66	0.00	101.98	85.32
10/12/05	149	<0.32	<0.10	<0.24	<0.30	183	NP	16.66	0.00	101.98	85.32
01/19/06	66	<0.32	<0.10	<0.24	<0.30	5.9	NP	9.96	0.00	101.98	92.02
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	11.69	0.00	101.98	90.29
07/26/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	15.53	0.00	101.98	86.45
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	12.96	0.00	101.98	89.02
1/24/2007^	60	<0.32	16	3.8 J	17	<0.63	NP	14.37	0.00	149.62	135.25
MONITORING WELL #MW-6 <i>Screen Interval = 7 to 27 feet</i>											
11/21/86	<1,000	<2.0	<2.0	<2.0	<2.0	-	NP	12.64	0.00	99.44	86.80
07/22/91	-	-	-	-	-	-		#N/A	-	-	-
01/22/92	<200	<0.5	<0.5	<0.5	1.5	-		#N/A	-	-	-
03/24/92	-	-	-	-	-	-	NP	10.04	0.00	99.44	89.40
07/15/92	<200	<0.5	<0.5	<0.5	<0.5	-	NP	13.29	0.00	99.44	86.15
10/05/92	-	-	-	-	-	-	NP	14.69	0.00	99.44	84.75
01/06/93	<200	<0.5	<0.5	<0.5	<1.0	-	NP	10.87	0.00	99.44	88.57
07/13/93	<100	<0.5	<0.5	<0.5	<1.0	-	NP	13.10	0.00	99.44	86.34
10/11/93	<60	<0.3	<0.3	<0.3	<0.6	-	NP	14.43	0.00	99.44	85.01
01/11/94	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.56	0.00	99.44	85.88
04/12/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	12.10	0.00	99.44	87.34
07/14/94	<50	<0.3	<0.3	<0.3	<0.3	-	NP	14.16	0.00	99.44	85.28
07/15/95	140	<0.5	<0.5	<0.5	<1	-		#N/A	-	-	-
01/15/96	56	0.38	0.33	<0.3	<0.5	-	NP	14.29	0.00	99.44	85.15
04/15/96	96	4.5	<0.3	<0.3	0.53	-	NP	14.32	0.00	99.44	85.12
07/15/96	140	2.4	0.44	<0.3	0.70	110		#N/A	-	-	-
10/09/96	-	-	-	-	-	-	NP	12.09	0.00	99.44	87.35
01/13/97	210	<0.3	1.2	<0.3	0.68	270	NP	9.85	0.00	99.44	89.59
04/14/97	<50	<0.3	<0.3	<0.3	<0.5	<20		#N/A	-	-	-
07/07/97	<50	<0.3	<0.3	<0.3	<0.5	<20	NP	14.20	0.00	99.44	85.24
10/16/97	<50	<0.3	<0.3	<0.3	<0.5	-	NP	13.10	0.00	99.44	86.34
01/07/98	<50	<0.3	<0.3	<0.3	<0.5	0.10	NP	9.80	0.00	99.44	89.64
07/14/98	330	<0.3	<0.3	<0.3	<0.5	380	NP	12.30	0.00	99.44	87.14
10/15/98	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	14.30	0.00	99.44	85.14
01/20/99	<50	0.47	<0.3	<0.3	<0.5	<5	NP	13.60	0.00	100.44	86.84

TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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)					
04/16/99	<50	<0.3	<0.3	<0.3	<0.5	<5	NP	13.50	0.00	100.44	86.94
07/14/99	<50	<0.3	<0.3	<0.3	<0.5	*5.4 / <5	NP	14.65	0.00	100.44	85.79
10/07/99	<50	<0.3	0.96	0.35	1.8	<5	NP	15.39	0.00	100.44	85.05
01/26/00	<50	<0.3	<0.3	<0.3	0.63	<5	NP	13.85	0.00	100.44	86.59
04/19/00	83.1	<0.25	<0.25	<0.25	<0.5	*11 / <5	NP	9.65	0.00	100.44	90.79
05/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	13.10	0.00	100.44	87.34
07/26/00	<50	<0.3	<0.3	<0.3	<0.6	<5	NP	12.35	0.00	100.44	88.09
10/25/00	<50	<0.18	<0.14	<0.18	<0.26	*7 / 10	NP	12.30	0.00	100.44	88.14
01/10/01	<50	<0.18	<0.14	<0.18	<0.26	78	NP	13.45	0.00	100.44	86.99
04/23/01	<50	<0.18	<0.14	<0.18	<0.26	*9 / 4	NP	9.65	0.00	100.44	90.79
07/16/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.09	0.00	100.44	87.35
10/17/01	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	15.37	0.00	100.44	85.07
01/23/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.27	0.00	100.44	87.17
04/10/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.07	0.00	100.44	87.37
07/24/02	<50	<0.18	<0.14	<0.18	<0.26	<0.24	NP	13.86	0.00	100.44	86.58
10/30/02	<50	1.6	<0.14	<0.18	<0.26	6.4	NP	14.20	0.00	100.44	86.24
01/15/03	<50	<0.14	<0.07	<0.08	0.84	<2.0	NP	15.35	0.00	100.44	85.09
04/16/03	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	14.58	0.00	100.44	85.86
07/14/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	15.35	0.00	100.44	85.09
10/08/03	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.80	0.00	100.44	86.64
01/15/04	<15	<0.04	<0.02	<0.02	<0.06	<0.03	NP	13.51	0.00	100.44	86.93
04/14/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	11.62	0.00	100.44	88.82
07/29/04	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.12	0.00	100.44	87.32
10/14/04	346	<0.22	<0.32	<0.31	<0.4	159	NP	13.53	0.00	100.44	86.91
01/06/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	13.02	0.00	100.44	87.42
04/13/05	<15	<0.22	<0.32	<0.31	<0.4	<0.18	NP	9.32	0.00	100.44	91.12
07/27/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	13.17	0.00	100.44	87.27
10/12/05	<2.9	<0.32	<0.10	<0.24	<0.30	<0.63	NP	14.55	0.00	100.44	85.89
01/19/06	72	<0.32	<0.10	<0.24	<0.30	12	NP	8.74	0.00	100.44	91.70
04/12/06	<5.6	<0.32	<0.10	<0.24	<0.30	<0.63	NP	9.96	0.00	100.44	90.48
07/26/06	55	<0.32	<0.10	<0.24	<0.30	57	NP	12.56	0.00	100.44	87.88
10/25/06	<5.6	<0.32	<0.10	<0.24	<0.3	<0.63	NP	13.00	0.00	100.44	87.44
01/24/07	<5.6	<0.32	2.2 J	1.1 J	5.6	<0.63	NP	11.87	0.00	148.38	136.51
MONITORING WELL #MW-7											
03/05/07	3,110	16	<0.10	125	725	10	NP	10.84	0.00	148.20	137.36

**TABLE 3
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - TPHg/BTEX/MTBE
THRIFTY OIL STATION #063, OAKLAND, CA**

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO PRODUCT (feet)	DEPTH TO GROUNDWATER (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 #MW-8											
03/05/07	<5.6	<0.32	<0.10	<0.24	<0.3	22	NP	11.90	0.00	147.31	135.41

NOTE: Monitoring wells MW-1 through MW-8 were surveyed on 3/5/2007

^ Top of casing elevation estimated to be 6 inches below well rim

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

* MTBE 8020 / 8260

Benzene, toluene, ethlybenzene, and xylene analyzed by EPA method 8020/8021B.
Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline
Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020/8021B
On 10/8/03 & 7/14/2003, BTEX and MTBE analyzed by 8260B
Beginning 4/14/2004, BTEX and MTBE analyzed by 8260B

**TABLE 4
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - OXYGENATES
THRIFTY OIL STATION # 063, OAKLAND, CA.**

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
MONITORING WELL # MW-1						
10/16/97	<20	<20	<20	3,900		
01/07/98	<20	<20	92	<500		
04/03/98	<20	<20	65	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	15	487		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	27	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<2.9	<1.7	<2.8	121	-	-
10/25/06	<0.29	<0.17	2.4	11	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
MONITORING WELL # MW-2						
10/16/97	<20	<20	<20	<500		
	Well Abandoned 1/30/98					
MONITORING WELL # MW-3 (GROUNDWATER SYSTEM'S PUMPING WELL)						
10/16/97	-	-	-	-		
01/07/98	-	-	-	-		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	24	608		
10/08/03	<0.29	<0.17	30	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	24	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	3.9	167	<20	<20
04/12/06	<0.29	<0.17	2.5	17	<20	<20
07/26/06	<0.29	<0.17	3.2	205	-	-
10/25/06	<2.9	<1.7	<2.8	<100	-	-
01/24/07	<0.29	<0.17	<0.28	70	-	-
MONITORING WELL # MW-4						
10/16/97	<20	<20	<20	14,000		
01/07/98	<20	<20	230	<500		
04/03/98	<200	<200	<200	<5,000		
07/14/03	<0.29	<0.17	62	2,490		
10/08/03	<2.9	<1.7	101	<100		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<2.9	<1.7	<2.8	1,340	<20	<20
01/19/06	<0.29	<0.17	<0.28	138	<20	<20
04/12/06	<0.29	<0.17	<0.28	163	<20	<20
07/26/06	<2.9	<1.7	16	836	-	-
10/25/06	<2.9	<1.7	18	1060	-	-
01/24/07	<0.29	<0.17	<0.28	139	-	-

**TABLE 4
RECENT AND HISTORIC GROUNDWATER ANALYTICAL DATA - OXYGENATES
THRIFTY OIL STATION # 063, OAKLAND, CA.**

DATE SAMPLED	OXYGENATES					
	Di-isopropyl Ether (DIPE) (ug/L)	Ethyl-Tert-Butyl Ether (ETBE) (ug/L)	Tert-Amyl Methyl Ether (TAME) (ug/L)	Tert-Butyl Alcohol (TBA) (ug/L)	Ethanol (ETH) (mg/L)	Methanol (METH) (mg/L)
MONITORING WELL # MW-5						
10/16/97	<20	<20	<20	4,700		
01/07/98	<20	<20	<20	<500		
04/03/98	<20	<20	<20	<500		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	<0.28	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	<0.28	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
MONITORING WELL # MW-6						
10/16/97	<20	<20	<20	<500		
01/07/98	<20	<20	40	<500		
04/03/98	-	-	-	-		
07/14/03	<0.29	<0.17	<0.28	<10		
10/08/03	<0.29	<0.17	<0.28	<10		
01/15/04	-	-	-	-		
04/14/04	-	-	-	-		
07/29/04	-	-	-	-		
10/14/04	-	-	-	-		
07/27/05	<0.29	<0.17	<0.28	<10	<20	<20
10/12/05	<0.29	<0.17	<0.28	<10	<20	<20
01/19/06	<0.29	<0.17	2.7	<10	<20	<20
04/12/06	<0.29	<0.17	<0.28	<10	<20	<20
07/26/06	<0.29	<0.17	47	<10	-	-
10/25/06	<0.29	<0.17	<0.28	<10	-	-
01/24/07	<0.29	<0.17	<0.28	<10	-	-
MONITORING WELL # MW-7						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20
MONITORING WELL # MW-8						
03/05/07	<0.29	<0.17	<0.28	<10	<20	<20

NOTE: DIPE, ETBE, TAME, TBA analyzed by EPA Method 8260/8260B

APPENDIX A

**ALAMEDA COUNTY ENVIRONMENTAL HEALTH
MONITORING WELL CONSTRUCTION PERMIT**

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 01/11/2007 By jamesy

Permit Numbers: W2007-0054 to W2007-0055
Permits Valid from 01/25/2007 to 01/25/2007

Application Id: 1168472883189
Site Location: Oriental BBQ Town
6101 Telegraph Avenue
Oakland, CA
Project Start Date: 01/25/2007

City of Project Site:Oakland

Completion Date:01/25/2007

Applicant: Thirty Oil Company - Jeff Suryakusuma
13116 Imperial Highway, Santa Fe Springs, CA 90670
Property Owner: Kwon H. & Yong C. Yi
6101 Telegraph Avenue, Oakland, CA 94609
Client: Jeff Suryakusuma
13116 Imperial Highway, Santa Fe Springs, CA 90670
Contact: Elliot Haro

Phone: 562-921-3581
Phone: --
Phone: 562-921-3581
Phone: 805-534-0454
Cell: 805-720-6000

	Total Due:	\$600.00
Receipt Number: WR2007-0016	Total Amount Paid:	\$600.00
Payer Name : Timothy E. Nelligan	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 2 Wells
Driller: Test America - Lic #: 819548 - Method: hstem

Work Total: \$600.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2007-0054	01/11/2007	04/25/2007	MW-7	8.00 in.	2.00 in.	5.00 ft	20.00 ft
W2007-0055	01/11/2007	04/25/2007	MW-8	8.00 in.	2.00 in.	5.00 ft	20.00 ft

Specific Work Permit Conditions

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

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Alameda County Public Works Agency - Water Resources Well Permit

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.
 5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 7. Minimum surface seal thickness is two inches of cement grout placed by tremie
 8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

APPENDIX B

WELL BORING LOGS AND WELL CONSTRUCTION DIAGRAM

CLIENT Thrifty Oil Co. **PROJECT NAME** Site #063 Site Assesment
PROJECT NUMBER CA135.063.T4 **PROJECT LOCATION** Oakland, CA
DATE STARTED 2/22/07 **COMPLETED** 2/22/07 **GROUND ELEVATION** _____ **HOLE SIZE** 8"
DRILLING CONTRACTOR Test America Drilling **GROUND WATER LEVELS:**
DRILLING METHOD Hollow Stem Auger ∇ **AT TIME OF DRILLING** 15.0 ft
LOGGED BY Elliot Haro **CHECKED BY** Tim Nelligan **AT END OF DRILLING** ---
NOTES CME 75 **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							
				0.5			
			ML	1.5	Clayey silt (ML), soft, black (10YR 2/1), slightly moist, plastic, no odor		Concrete seal
			ML	4.5	Gravelly clayey silt (ML), firm, pale brown (10YR 6/3), slightly moist, slightly plastic, no odor, Iron oxide mottles	0.0	Bentonite seal.
5	@5	7-8-12 (20)	CL	5.5	Clay (CL), very stiff, grayish brown (10YR 5/2), slightly moist, very plastic, no odor	0.0	Monterey #2/12 sand
			CL	10.5	Gravelly silty clay (CL), very stiff, brown (10YR 5/3), slightly moist, plastic, slight odor, gray mottles	0.7	
10	@10	9-9-10 (19)					
			SP	15.5	Clayey sand (SP), medium dense, gray (5YR 6/1), saturated, slightly plastic, moderate odor, fine grained sand	370	2-inch schedule 40 PVC blank. 0.01-inch slotted-screen 2-inch schedule 40 PVC.
15	@15	10-10-11 (21)					
			SP	18.5	Clayey sand (SP), dense, gray (5YR 6/1)), saturated, slightly plastic, moderate odor, fine grained sand		
	@18	18-21-24 (45)					
					Bottom of hole at 18.0 feet.		

GENERAL BH / TP / WELL THRIFTY 063.GPJ GINT US.GDT 4/507

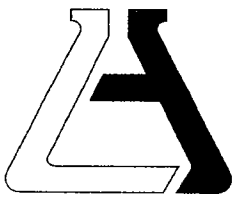
CLIENT Thrifty Oil Co. **PROJECT NAME** Site #063 Site Assesment
PROJECT NUMBER CA135.063.T4 **PROJECT LOCATION** Oakland, CA
DATE STARTED 2/22/07 **COMPLETED** 2/22/07 **GROUND ELEVATION** _____ **HOLE SIZE** 8"
DRILLING CONTRACTOR Test America Drilling **GROUND WATER LEVELS:**
DRILLING METHOD Hollow Stem Auger **AT TIME OF DRILLING** 15.0 ft
LOGGED BY Elliot Haro **CHECKED BY** Tim Nelligan **AT END OF DRILLING** ---
NOTES CME 75 **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							
0.5							Concrete seal
5	@5	13-14-18 (32)	ML		5.5 Gravelly clayey silt (ML), hard, black (10YR 2/1), dry, slightly plastic, no odor, approximately 10% gravel	0.0	Bentonite seal.
10	@10	12-19-21 (40)	CL		10.5 Gravelly silty clay (CL), hard, yellowish brown (10YR 5/4), slightly moist, plastic, no odor	0.0	Monterey #2/12 sand
15	@15	7-10-12 (22)	SP		15.5 ∇ Clayey sand (SP), very stiff, mottled gray (10YR 5/4), saturated, slightly plastic, slight odor, medium grained sand	5.4	2-inch schedule 40 PVC blank.
18	@18	12-18-32 (50)	CL		18.0 Gravelly clay (CL), hard, pale brown (10YR 6/3), saturated, slightly plastic, no odor, approximately 30% gravel and small cobbles	0.0	0.01-inch slotted-screen
					Bottom of hole at 18.0 feet.		2-inch schedule 40 PVC.

GENERAL BH / TP / WELL THRIFTY 063.GPJ GINT US.GDT 4/507

APPENDIX C

LABORATORY ANALYTICAL REPORTS



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 185521

REPORTED 03/06/2007

RECEIVED 02/24/2007

PROJECT Station #063
6125 Telegraph Avenue, Oakland

SUBMITTER Client

COMMENTS * Matrix Interference.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

<u>Order No.</u>	<u>Client Sample Identification</u>
779887	TOC #063 MW-7@5'
779888	TOC #063 MW-7@10'
779889	TOC #063 MW-7@15'
779890	TOC #063 MW-7@18'
779891	TOC #063 MW-8@5'
779892	TOC #063 MW-8@10'
779893	TOC #063 MW-8@15'
779894	TOC #063 MW-8@18'
779895	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Benate, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 779887

Client Sample ID: TOC #063 MW-7@5'

Matrix: SOLID

Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.36	ug/Kg	02/28/07 RP
1,2-Dichloroethane	ND	1	5	0.43	ug/Kg	02/28/07 RP
Benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Di-isopropyl ether (DIPE)	ND	1	10	0.82	ug/Kg	02/28/07 RP
Ethyl benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	10	0.77	ug/Kg	02/28/07 RP
Methyl-tert-butylether (MTBE)	ND	1	5	0.35	ug/Kg	02/28/07 RP
Tert-amylmethylether (TAME)	ND	1	10	0.61	ug/Kg	02/28/07 RP
Tertiary butyl alcohol (TBA)	ND	1	50	5.0	ug/Kg	02/28/07 RP
Toluene	ND	1	5	0.38	ug/Kg	02/28/07 RP
Xylenes, total	ND	1	5	0.7	ug/Kg	02/28/07 RP
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	106				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 130
Surr3 - Toluene-d8	101				%	70 - 130
Surr4 - p-Bromofluorobenzene	103				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	3	0.022	mg/Kg	03/02/07 LT
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	147				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 779888

Client Sample ID: TOC #063 MW-7@10'

Matrix: SOLID

Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8015M Ethanol / Methanol by GC-FID

Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN

8260B Volatile Organic Compounds

1,2-Dibromoethane	ND	1	5	0.36	ug/Kg	02/28/07 RP
1,2-Dichloroethane	ND	1	5	0.43	ug/Kg	02/28/07 RP
Benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Di-isopropyl ether (DIPE)	ND	1	10	0.82	ug/Kg	02/28/07 RP
Ethyl benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	10	0.77	ug/Kg	02/28/07 RP
Methyl-tert-butylether (MTBE)	ND	1	5	0.35	ug/Kg	02/28/07 RP
Tert-amylmethylether (TAME)	ND	1	10	0.61	ug/Kg	02/28/07 RP
Tertiary butyl alcohol (TBA)	ND	1	50	5.0	ug/Kg	02/28/07 RP
Toluene	ND	1	5	0.38	ug/Kg	02/28/07 RP
Xylenes, total	ND	1	5	0.7	ug/Kg	02/28/07 RP

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	109	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	126	%	70 - 130
Surr3 - Toluene-d8	101	%	70 - 130
Surr4 - p-Bromofluorobenzene	104	%	70 - 130

8015B - Gasoline

Gasoline	ND	1	3	0.022	mg/Kg	03/02/07 LT
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Surrogates

		Units	Control Limits
a,a,a-Trifluorotoluene	129	%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 779889
Matrix: SOLID

Client Sample ID: TOC #063 MW-7@15'
Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	2	10.0	0.36	ug/Kg	03/01/07 LZ
1,2-Dichloroethane	ND	2	10.0	0.43	ug/Kg	03/01/07 LZ
Benzene	ND	2	10.0	0.32	ug/Kg	03/01/07 LZ
Di-isopropyl ether (DIPE)	ND	2	20.0	0.82	ug/Kg	03/01/07 LZ
Ethyl benzene	5930	500	2500.0	0.32	ug/Kg	03/02/07 LZ
Ethyl-tertbutylether (ETBE)	ND	2	20.0	0.77	ug/Kg	03/01/07 LZ
Methyl-tert-butylether (MTBE)	ND	2	10.0	0.35	ug/Kg	03/01/07 LZ
Tert-amylmethylether (TAME)	ND	2	20.0	0.61	ug/Kg	03/01/07 LZ
Tertiary butyl alcohol (TBA)	ND	2	100.0	5.0	ug/Kg	03/01/07 LZ
Toluene	ND	2	10.0	0.38	ug/Kg	03/01/07 LZ
Xylenes, total	10800	500	2500.0	0.7	ug/Kg	03/02/07 LZ
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	103				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 130
Surr3 - Toluene-d8	101				%	70 - 130
Surr4 - p-Bromofluorobenzene	95				%	70 - 130
8015B - Gasoline						
Gasoline	710	50	150.0	0.022	mg/Kg	03/02/07 LT
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	199				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace



Order #: 779890

Client Sample ID: TOC #063 MW-7@18'

Matrix: SOLID

Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	50	250.0	0.36	ug/Kg	03/01/07 LZ
1,2-Dichloroethane	ND	50	250.0	0.43	ug/Kg	03/01/07 LZ
Benzene	ND	50	250.0	0.32	ug/Kg	03/01/07 LZ
Di-isopropyl ether (DIPE)	ND	50	500.0	0.82	ug/Kg	03/01/07 LZ
Ethyl benzene	4700	50	250.0	0.32	ug/Kg	03/01/07 LZ
Ethyl-tertbutylether (ETBE)	ND	50	500.0	0.77	ug/Kg	03/01/07 LZ
Methyl-tert-butylether (MTBE)	ND	50	250.0	0.35	ug/Kg	03/01/07 LZ
Tert-amylmethylether (TAME)	ND	50	500.0	0.61	ug/Kg	03/01/07 LZ
Tertiary butyl alcohol (TBA)	ND	50	2500.0	5.0	ug/Kg	03/01/07 LZ
Toluene	ND	50	250.0	0.38	ug/Kg	03/01/07 LZ
Xylenes, total	8960	50	250.0	0.7	ug/Kg	03/01/07 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	109			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	103			%	70 - 130	
Surr3 - Toluene-d8	98			%	70 - 130	
Surr4 - p-Bromofluorobenzene	100			%	70 - 130	
8015B - Gasoline						
Gasoline	13	1	3	0.022	mg/Kg	03/02/07 LT
Surrogates				Units	Control Limits	
a,a,a-Trifluorotoluene	299*			%	55 - 200	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 779891

Client Sample ID: TOC #063 MW-8@5'

Matrix: SOLID

Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.36	ug/Kg	02/28/07 RP
1,2-Dichloroethane	ND	1	5	0.43	ug/Kg	02/28/07 RP
Benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Di-isopropyl ether (DIPE)	ND	1	10	0.82	ug/Kg	02/28/07 RP
Ethyl benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	10	0.77	ug/Kg	02/28/07 RP
Methyl-tert-butylether (MTBE)	ND	1	5	0.35	ug/Kg	02/28/07 RP
Tert-amylmethylether (TAME)	ND	1	10	0.61	ug/Kg	02/28/07 RP
Tertiary butyl alcohol (TBA)	ND	1	50	5.0	ug/Kg	02/28/07 RP
Toluene	ND	1	5	0.38	ug/Kg	02/28/07 RP
Xylenes, total	ND	1	5	0.7	ug/Kg	02/28/07 RP
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	104				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 130
Surr3 - Toluene-d8	100				%	70 - 130
Surr4 - p-Bromofluorobenzene	103				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	3	0.022	mg/Kg	03/02/07 LT
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	151				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 779892

Client Sample ID: TOC #063 MW-8@10'

Matrix: SOLID

Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.36	ug/Kg	02/28/07 RP
1,2-Dichloroethane	ND	1	5	0.43	ug/Kg	02/28/07 RP
Benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Di-isopropyl ether (DIPE)	ND	1	10	0.82	ug/Kg	02/28/07 RP
Ethyl benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	10	0.77	ug/Kg	02/28/07 RP
Methyl-tert-butylether (MTBE)	ND	1	5	0.35	ug/Kg	02/28/07 RP
Tert-amylmethylether (TAME)	ND	1	10	0.61	ug/Kg	02/28/07 RP
Tertiary butyl alcohol (TBA)	ND	1	50	5.0	ug/Kg	02/28/07 RP
Toluene	ND	1	5	0.38	ug/Kg	02/28/07 RP
Xylenes, total	ND	1	5	0.7	ug/Kg	02/28/07 RP
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	104				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 130
Surr3 - Toluene-d8	100				%	70 - 130
Surr4 - p-Bromofluorobenzene	100				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	3	0.022	mg/Kg	03/02/07 LT
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	131				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace



Order #: 779893

Client Sample ID: TOC #063 MW-8@15'

Matrix: SOLID

Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.36	ug/Kg	03/01/07 LZ
1,2-Dichloroethane	ND	1	5	0.43	ug/Kg	03/01/07 LZ
Benzene	ND	1	5	0.32	ug/Kg	03/01/07 LZ
Di-isopropyl ether (DIPE)	ND	1	10	0.82	ug/Kg	03/01/07 LZ
Ethyl benzene	ND	1	5	0.32	ug/Kg	03/01/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	10	0.77	ug/Kg	03/01/07 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	0.35	ug/Kg	03/01/07 LZ
Tert-amylmethylether (TAME)	ND	1	10	0.61	ug/Kg	03/01/07 LZ
Tertiary butyl alcohol (TBA)	ND	1	50	5.0	ug/Kg	03/01/07 LZ
Toluene	ND	1	5	0.38	ug/Kg	03/01/07 LZ
Xylenes, total	ND	1	5	0.7	ug/Kg	03/01/07 LZ
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	106			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	126			%	70 - 130	
Surr3 - Toluene-d8	103			%	70 - 130	
Surr4 - p-Bromofluorobenzene	98			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	3	0.022	mg/Kg	03/02/07 LT
Surrogates				Units	Control Limits	
a,a,a-Trifluorotoluene	103			%	55 - 200	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 779894

Client Sample ID: TOC #063 MW-8@18'

Matrix: SOLID

Date Sampled: 02/22/2007

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8015M Ethanol / Methanol by GC-FID

Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN

8260B Volatile Organic Compounds

1,2-Dibromoethane	ND	1	5	0.36	ug/Kg	03/01/07 LZ
1,2-Dichloroethane	ND	1	5	0.43	ug/Kg	03/01/07 LZ
Benzene	ND	1	5	0.32	ug/Kg	03/01/07 LZ
Di-isopropyl ether (DIPE)	ND	1	10	0.82	ug/Kg	03/01/07 LZ
Ethyl benzene	ND	1	5	0.32	ug/Kg	03/01/07 LZ
Ethyl-tertbutylether (ETBE)	ND	1	10	0.77	ug/Kg	03/01/07 LZ
Methyl-tert-butylether (MTBE)	ND	1	5	0.35	ug/Kg	03/01/07 LZ
Tert-amylmethylether (TAME)	ND	1	10	0.61	ug/Kg	03/01/07 LZ
Tertiary butyl alcohol (TBA)	ND	1	50	5.0	ug/Kg	03/01/07 LZ
Toluene	ND	1	5	0.38	ug/Kg	03/01/07 LZ
Xylenes, total	ND	1	5	0.7	ug/Kg	03/01/07 LZ

Surrogates

		Units	Control Limits
Surr1 - Dibromofluoromethane	106	%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	125	%	70 - 130
Surr3 - Toluene-d8	101	%	70 - 130
Surr4 - p-Bromofluorobenzene	100	%	70 - 130

8015B - Gasoline

Gasoline	ND	1	3	0.022	mg/Kg	03/05/07 LT
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Surrogates

		Units	Control Limits
a,a,a-Trifluorotoluene	109	%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 779895

Client Sample ID: Laboratory Method Blank

Matrix: SOLID

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/Kg	02/28/07 QN
Methanol	ND	1	50	20	mg/Kg	02/28/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.36	ug/Kg	02/28/07 RP
1,2-Dichloroethane	ND	1	5	0.43	ug/Kg	02/28/07 RP
Benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Di-isopropyl ether (DIPE)	ND	1	10	0.82	ug/Kg	02/28/07 RP
Ethyl benzene	ND	1	5	0.32	ug/Kg	02/28/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	10	0.77	ug/Kg	02/28/07 RP
Methyl-tert-butylether (MTBE)	ND	1	5	0.35	ug/Kg	02/28/07 RP
Tert-amylmethylether (TAME)	ND	1	10	0.61	ug/Kg	02/28/07 RP
Tertiary butyl alcohol (TBA)	ND	1	50	5.0	ug/Kg	02/28/07 RP
Toluene	ND	1	5	0.38	ug/Kg	02/28/07 RP
Xylenes, total	ND	1	5	0.7	ug/Kg	02/28/07 RP
Surrogates				Units	Control Limits	
Surr1 - Dibromofluoromethane	113			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	112			%	70 - 130	
Surr3 - Toluene-d8	106			%	70 - 130	
Surr4 - p-Bromofluorobenzene	102			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	3	0.022	mg/Kg	03/02/07 LT
Surrogates				Units	Control Limits	
a,a,a-Trifluorotoluene	103			%	55 - 200	

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



**ASSOCIATED LABORATORIES
LCS REPORT FORM**

QC Sample: G#14-LCS/LCSD

Matrix: SOLID

Prep. Date: March 5, 2007

Analysis Date 3/5/07-3/6/07

Lab ID#'s in Batch: LR 185521, 186047.

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	5	6.3	6.5	126	130	3

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	71
LCS	155
LCSD	172

AAA-TFT = a,a,a-Trifluorotoluene

**ASSOCIATED LABORATORIES
QA REPORT FORM**

QC Sample: 185521-523
 Matrix: SOLID
 Prep. Date: March 2, 2007
 Analysis Date: 3/02/07-3/03/07
 Lab ID#'s in Batch: LR 185521, 185523.
 Reporting Units = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	ND	5	4.8	4.4	96	88	9

LAB CONTROLLED SPIKE

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	5	5.0	5.2	100	104	4

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130

RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
QA Sample	110
MS	195
MSD	192
Method Blank	103
LCS	200
LCSD	191

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 4

Sample ID: *MS/MSD Solid Sample* 185604-307
 Date Prepared: February 27, 2007
 Date Analyzed: February 28, 2007
 Sample Matrix: Solid
 Units: µg/Kg

Lab ID#'s in Batch: 185604, 185521

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	52.50	52.80	105	106	1	22	59 - 172
MTBE*	0.00	50.0	28.70	12.50	57	25	79	24	62 - 137
Benzene	0.00	50.0	39.80	40.90	80	82	3	24	62 - 137
Trichloroethene	0.00	50.0	45.20	44.50	90	89	2	21	66 - 142
Toluene*	0.00	50.0	32.10	40.10	64	80	22	21	59 - 139
Chlorobenzene*	0.00	50.0	22.70	33.60	45	67	39	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	53.70	107	59 - 172
MTBE	50.0	50.30	101	62 - 137
Benzene	50.0	49.80	100	62 - 137
Trichloroethene	50.0	53.50	107	66 - 142
Toluene	50.0	50.80	102	59 - 139
Chlorobenzene	50.0	50.90	102	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	113		107	104	100	70 - 135
1,2-Dichloroethane-d4	112		116	112	102	70 - 135
Toluene-d8	106		99	97	103	70 - 135
p-Bromofluorobenzene	102		97	103	100	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Solid Sample* 185523-899
 Date Prepared: February 28, 2007
 Date Analyzed: February 28, 2007 9:18 PM
 Sample Matrix: Solid
 Units: µg/Kg

Lab ID#'s in Batch: 185463, 185523, 185521

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	48.86	52.09	98	104	6	22	59 - 172
MTBE	0.00	50.0	49.51	49.41	99	99	0	24	62 - 137
Benzene	0.00	50.0	47.65	47.00	95	94	1	24	62 - 137
Trichloroethene	0.00	50.0	46.83	45.47	94	91	3	21	66 - 142
Toluene	0.00	50.0	41.23	40.16	82	80	3	21	59 - 139
Chlorobenzene	0.00	50.0	42.15	43.02	84	86	2	21	60 - 133

Sample ID: *LCS/LCSD*

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	56.16	53.13	112	106	6	22	59 - 172
MTBE	50.0	48.13	53.54	96	107	11	24	62 - 137
Benzene	50.0	49.02	49.90	98	100	2	24	62 - 137
Trichloroethene	50.0	50.66	48.70	101	97	4	21	66 - 142
Toluene	50.0	45.18	44.50	90	89	2	21	59 - 139
Chlorobenzene	50.0	47.93	47.58	96	95	1	21	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	103	103	109	106	102	105	70 - 135
1,2-Dichloroethane-d4	111	112	118	114	106	108	70 - 135
Toluene-d8	108	100	99	99	102	102	70 - 135
p-Bromofluorobenzene	95	92	101	98	95	95	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Solid Sample* 185772-991
 Date Prepared: March 1, 2007
 Date Analyzed: March 1, 2007 7:34 PM
 Sample Matrix: Solid
 Units: µg/Kg

Lab ID#'s in Batch: 185523, 185521, 185772

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	50.90	54.27	102	109	6	22	59 - 172
MTBE	0.00	50.0	48.76	46.03	98	92	6	24	62 - 137
Benzene	0.00	50.0	45.47	45.58	91	91	0	24	62 - 137
Trichloroethene	0.00	50.0	43.62	45.11	87	90	3	21	66 - 142
Toluene	0.00	50.0	38.85	39.70	78	79	2	21	59 - 139
Chlorobenzene	0.00	50.0	42.98	39.97	86	80	7	21	60 - 133

Sample ID: *LCS/LCSD*

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	55.85	52.80	112	106	6	22	59 - 172
MTBE	50.0	52.93	52.44	106	105	1	24	62 - 137
Benzene	50.0	50.00	49.02	100	98	2	24	62 - 137
Trichloroethene	50.0	53.07	47.83	106	96	10	21	66 - 142
Toluene	50.0	48.23	43.68	96	87	10	21	59 - 139
Chlorobenzene	50.0	49.87	46.50	100	93	7	21	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	102	105	108	105	103	102	70 - 135
1,2-Dichloroethane-d4	111	112	114	115	104	108	70 - 135
Toluene-d8	107	104	97	92	105	99	70 - 135
p-Bromofluorobenzene	100	99	95	97	94	98	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Solid Sample* 185915-463
 Date Prepared: March 2, 2007
 Date Analyzed: March 2, 2007 7:03 PM
 Sample Matrix: Solid
 Units: µg/Kg

Lab ID#'s in Batch: 185521, 185772, 185915

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	51.81	41.26	104	83	23	22	59 - 172
MTBE	0.00	50.0	51.33	51.39	103	103	0	24	62 - 137
Benzene	0.00	50.0	45.57	41.78	91	84	9	24	62 - 137
Trichloroethene	0.00	50.0	45.92	43.59	92	87	5	21	66 - 142
Toluene	0.00	50.0	40.12	38.57	80	77	4	21	59 - 139
Chlorobenzene	0.00	50.0	44.03	40.40	88	81	9	21	60 - 133

Sample ID: *LCS/LCSD*

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	56.50	55.34	113	111	2	22	59 - 172
MTBE	50.0	50.32	51.22	101	102	2	24	62 - 137
Benzene	50.0	53.39	49.96	107	100	7	24	62 - 137
Trichloroethene	50.0	49.95	47.64	100	95	5	21	66 - 142
Toluene	50.0	44.58	44.33	89	89	1	21	59 - 139
Chlorobenzene	50.0	47.45	48.28	95	97	2	21	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	104	104	103	106	104	105	70 - 135
1,2-Dichloroethane-d4	114	113	113	124	109	106	70 - 135
Toluene-d8	104	101	99	102	98	99	70 - 135
p-Bromofluorobenzene	97	92	96	98	94	97	70 - 135

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 185384-779419
 Matrix: Soil
 Prep. Date: 02/27/07
 Analysis Date: 02/28/07
 ID#'s in Batch: LR 185521

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Methanol	8015 M	ND	100	99.0	95.0	99.0	95.0	4.1
Ethanol	8015 M	ND	100	101.8	99.5	101.8	99.5	2.2

* OUTSIDE CONTROL LIMITS - Due to Matrix Interference.

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS = 65 - 135 RPD LIMITS = 25

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Blank Result	Spike Added	LCS Spike	LCSD Spike Dup	%Rec LCS	%Rec LCSD	RPD
Methanol	8015 M	ND	100	110.3	95.2	110.3	95.2	14.6
Ethanol	8015 M	ND	100	114.5	101.3	114.5	101.3	12.2

Method Blank - All ND

%REC LIMITS = 75 - 125 RPD LIMITS = 25



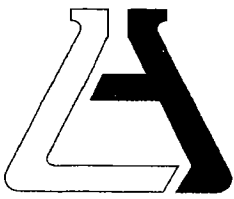
Chain of Custody Record

185521

Company EQUIPOISE	Phone 805 204 4483	A.L. Job No. (185521)
Project Manager ELLIOT HAZO	Fax NA	
Project Name TRIFLY AL CO. #063	Project # CA135.063.T5	
Site Name and Address TOC 063, 6125 TELEGRAPH AVENUE, OAKLAND CA		

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested				Test Instructions & Comments
							8015 B	BTEX + MTBSTOXIS (185521)	EDS + EDC	ETH + MEQH	
1 MW-7@5'		2/22/07		SL		NONE					
2 MW-7@10'											
3 MW-7@15'											
4 MW-7@18'											
5 MW-8@5'											
6 MW-8@10'											
7 MW-8@15'											
8 MW-8@18'											
9											
10											
11											
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory				Relinquished by 1. ELLIOT HAZO Signature: <i>[Signature]</i>	Relinquished by 2. _____ Signature: _____	Relinquished by 3. _____ Signature: _____
Total Number of Containers	8	Properly Cooled <input checked="" type="checkbox"/> Y / N / NA		Printed Name: _____	Printed Name: _____	Printed Name: _____
Custody Seals Y / N / <input checked="" type="checkbox"/> NA		Samples Intact <input checked="" type="checkbox"/> Y / N / NA		Date: 2/22/07	Date: _____	Date: _____
Received in Good Condition <input checked="" type="checkbox"/> Y / N		Samples Accepted <input checked="" type="checkbox"/> Y / N		Time: _____	Time: _____	Time: _____
Turn Around Time				Received By: 1. Juan Signature: <i>[Signature]</i>	Received By: 2. _____ Signature: _____	Received By: 3. _____ Signature: _____
<input checked="" type="checkbox"/> Normal	<input type="checkbox"/> Rush	<input type="checkbox"/> Same Day	<input type="checkbox"/> 48 hrs.	Printed Name: Juan Montoya	Printed Name: _____	Printed Name: _____
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Date: 2/24/07	Date: _____	Date: _____
				Time: 10:30	Time: _____	Time: _____



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Jeff Suryakusuma
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 186135

REPORTED 03/11/2007

RECEIVED 03/06/2007

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS T0600101366
BTS# 070305-DW-2

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.

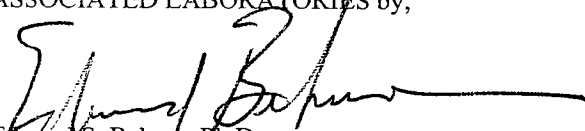
782319
782320
782321

Client Sample Identification

TOC #063 MW-7
TOC #063 MW-8
Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,


Edward S. Behar, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 782319

Client Sample ID: TOC #063 MW-7

Matrix: WATER

Date Sampled: 03/05/2007 Time Sampled: 13:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/L	03/08/07 QN
Methanol	ND	1	50	20	mg/L	03/08/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.46	ug/L	03/07/07 RP
1,2-Dichloroethane	ND	1	5	0.20	ug/L	03/07/07 RP
Benzene	16	1	1	0.32	ug/L	03/07/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	03/07/07 RP
Ethyl benzene	125	1	5	0.24	ug/L	03/07/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	03/07/07 RP
Methyl-tert-butylether (MTBE)	9.9	1	1	0.63	ug/L	03/07/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	03/07/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	03/07/07 RP
Toluene	ND	1	5	0.10	ug/L	03/07/07 RP
Xylenes, total	725	10	50.0	0.3	ug/L	03/07/07 RP
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	96				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 130
Surr3 - Toluene-d8	98				%	70 - 130
Surr4 - p-Bromofluorobenzene	111				%	70 - 130
8015B - Gasoline						
Gasoline	3110	10	500.0	5.6	ug/L	03/07/07 LD
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	114				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 782320

Client Sample ID: TOC #063 MW-8

Matrix: WATER

Date Sampled: 03/05/2007 Time Sampled: 13:33

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/L	03/08/07 QN
Methanol	ND	1	50	20	mg/L	03/08/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.46	ug/L	03/07/07 RP
1,2-Dichloroethane	ND	1	5	0.20	ug/L	03/07/07 RP
Benzene	ND	1	1	0.32	ug/L	03/07/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	03/07/07 RP
Ethyl benzene	ND	1	5	0.24	ug/L	03/07/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	03/07/07 RP
Methyl-tert-butylether (MTBE)	22	1	1	0.63	ug/L	03/07/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	03/07/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	03/07/07 RP
Toluene	ND	1	5	0.10	ug/L	03/07/07 RP
Xylenes, total	ND	1	5	0.3	ug/L	03/07/07 RP
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	108				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	122				%	70 - 130
Surr3 - Toluene-d8	102				%	70 - 130
Surr4 - p-Bromofluorobenzene	106				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	03/07/07 LD
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	100				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



Order #: 782321

Client Sample ID: Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8015M Ethanol / Methanol by GC-FID						
Ethanol	ND	1	50	20	mg/L	03/08/07 QN
Methanol	ND	1	50	20	mg/L	03/08/07 QN
8260B Volatile Organic Compounds						
1,2-Dibromoethane	ND	1	5	0.46	ug/L	03/07/07 RP
1,2-Dichloroethane	ND	1	5	0.20	ug/L	03/07/07 RP
Benzene	ND	1	1	0.32	ug/L	03/07/07 RP
Di-isopropyl ether (DIPE)	ND	1	1	0.29	ug/L	03/07/07 RP
Ethyl benzene	ND	1	5	0.24	ug/L	03/07/07 RP
Ethyl-tertbutylether (ETBE)	ND	1	1	0.17	ug/L	03/07/07 RP
Methyl-tert-butylether (MTBE)	ND	1	1	0.63	ug/L	03/07/07 RP
Tert-amylmethylether (TAME)	ND	1	1	0.28	ug/L	03/07/07 RP
Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	03/07/07 RP
Toluene	ND	1	5	0.10	ug/L	03/07/07 RP
Xylenes, total	ND	1	5	0.3	ug/L	03/07/07 RP
Surrogates						
					Units	Control Limits
Surr1 - Dibromofluoromethane	105				%	70 - 130
Surr2 - 1,2-Dichloroethane-d4	116				%	70 - 130
Surr3 - Toluene-d8	102				%	70 - 130
Surr4 - p-Bromofluorobenzene	107				%	70 - 130
8015B - Gasoline						
Gasoline	ND	1	50	5.6	ug/L	03/06/07 LD
Surrogates						
					Units	Control Limits
a,a,a-Trifluorotoluene	94				%	55 - 200

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD
 Matrix: WATER
 Prep. Date: March 6, 2007
 Analysis Date: March 6, 2007
 Lab ID#'s in Batch: 186118, 186117, 186100, 186135, 186115, 185338

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = $\mu\text{g/L}$

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	492	515	98	103	5

ND = Not Detected

LCS Result = Lab Control Sample Result

%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

<i>%REC LIMITS = 70 - 130</i>

<i>RPD LIMITS = 30</i>

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	94
LCS	145
LCSD	190

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS/LCSD
 Matrix: WATER
 Prep. Date: March 6, 2007
 Analysis Date: March 6, 2007
 Lab ID#'s in Batch: 186118, 186117, 186100, 186135

REPORTING UNITS = $\mu\text{g/L}$

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix LCS	Matrix LCSD	%Rec LCS	%Rec LCSD	RPD
Benzene	8021	ND	20	20.8	20.7	104	104	0
Toluene	8021	ND	20	20.6	20.5	103	103	0
Ethylbenzene	8021	ND	20	21.3	21.0	107	105	1
Xylenes	8021	ND	60	64.7	64.2	108	107	1

ND = Not Detected

RPD = Relative Percent Difference of Matrix LCS and Matrix LCSD

%REC-LCS & LCSD = Percent Recovery of LCS & LCSD

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	94
LCS	103
LCSD	105

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 GCMS # 3

Sample ID: *LCS / LCSD Water Sample*

Date Prepared: March 7, 2007

Date Analyzed: March 7, 2007

Sample Matrix: Water

Units: µg/L

Lab ID#'s in Batch: 185853, 186083, 186103, 186135, 186099

Compound	True Value	LCS Res	LCSD Res	LCS % Rec	LCSD % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	50.0	49.40	48.30	99	97	2	22	59 - 172
MTBE	50.0	48.40	48.20	97	96	0	24	62 - 137
Benzene	50.0	48.10	48.60	96	97	1	24	62 - 137
Trichloroethene	50.0	50.30	51.90	101	104	3	21	66 - 142
Toluene	50.0	50.30	51.00	101	102	1	21	59 - 139
Chlorobenzene	50.0	49.00	51.20	98	102	4	21	60 - 133

Surrogate Recovery

Compound	MB1 % Rec	MB 2 % Rec	LCS % Rec	LCSD % Rec	Limits % Rec
Dibromofluoromethane	109		106	102	70 - 135
1,2-Dichloroethane-d4	122		98	95	70 - 135
Toluene-d8	101		104	103	70 - 135
p-Bromofluorobenzene	104		106	104	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 3

Sample ID: *MS/MSD Water Sample* 186100-167
 Date Prepared: March 6, 2007
 Date Analyzed: March 6, 2007
 Sample Matrix: Water
 Units: µg/L

Lab ID#'s in Batch: 185338, 186083, 186100, 186103, 185928, 185853, 186101, 186099, 186135

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	52.00	50.30	104	101	3	22	59 - 172
MTBE	0.00	50.0	51.20	50.70	102	101	1	24	62 - 137
Benzene	0.00	50.0	49.30	48.10	99	96	2	24	62 - 137
Trichloroethene	0.00	50.0	50.70	49.40	101	99	3	21	66 - 142
Toluene	0.00	50.0	51.30	49.40	103	99	4	21	59 - 139
Chlorobenzene	0.00	50.0	50.30	49.50	101	99	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	54.60	109	59 - 172
MTBE	50.0	51.80	104	62 - 137
Benzene	50.0	49.80	100	62 - 137
Trichloroethene	50.0	49.80	100	66 - 142
Toluene	50.0	50.70	101	59 - 139
Chlorobenzene	50.0	50.60	101	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	106	105	107	106	110	70 - 135
1,2-Dichloroethane-d4	122	116	107	107	112	70 - 135
Toluene-d8	104	102	105	105	107	70 - 135
p-Bromofluorobenzene	101	107	106	107	99	70 - 135

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS / LCSD
 Matrix: WATER
 Prep. Date: 03/08/07
 Analysis Date: 03/08/07
 ID#'s in Batch: LR 186135

LAB CONTROL SPIKE / LAB CONTROL SPIKE DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Blank Result	Spike Added	LCS Spike	LCSD Spike Dup	%Rec LCS	%Rec LCSD	% RPD
Methanol	D285	ND	100	85.6	92.7	86	93	8
Ethanol	D285	ND	100	92.0	95.0	92	95	3

RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate

% REC LIMITS = 70 - 130 RPD LIMITS = 25
--

Method Blank - All ND

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

186135

Associated Labs

DHS #

CHAIN OF CUSTODY
 BTS # 070305-DW-2

CLIENT
 Equipoise Corporation

SITE
 Thrifty Station # 063

6125 Telegraph Ave.

Oakland, CA

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS	
			S = Soil W = H2O	TOTAL	
mw-7	3-5	1310	W	10	Hcl voas NP voas
mw-8	3-5	1333	W	10	↓

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

TPH-G (8015B)	BTEX, MTBE, Oxygenates (8260B)	EDB & EDC (8260B)	Methanol	Ethanol				
X	X	X	X	X				
X	X	X	X	X				

LAB Associated Labs
 ALL ANALYSES MUST MEET
 EPA
 LIA
 OTHER
 RWQCB REGION

SPECIAL INSTRUCTIONS
 Invoice and Report to: Equipoise Corporation
 Attn: Elliot Haro
 Project: CA135:063:T5

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #

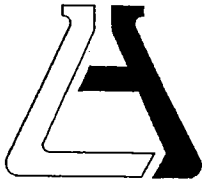
SAMPLING COMPLETED 3-5-07 1900
 SAMPLING PERFORMED BY Dave Walter
 RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY *David C. Halt* DATE 3-5-07 TIME 1630 RECEIVED BY *Juan Montoya* DATE 3/6/07 TIME 10:45

RELEASED BY _____ DATE _____ TIME _____ RECEIVED BY _____ DATE _____ TIME _____

RELEASED BY _____ DATE _____ TIME _____ RECEIVED BY _____ DATE _____ TIME _____

SHIPPED VIA Fed Ex DATE SENT 3-5-07 TIME SENT 1630 COOLER # 3-6-07 11:40



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714-771-6900

FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Blaine Equipoise Project: _____
 Date Received: 3/6/07
 Sample(s) received in cooler: Yes No (Skip Section 2)

Section 2
 Was the cooler packed with: Ice Ice Packs Bubble Wrap Styrofoam
 Paper None Other _____
 Cooler or box temperature: 3.2°C
 (Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody seals present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If Yes - were they intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all samples sealed in plastic bags?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all samples arrive intact? If no, indicate below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottle labels agree with COC? (ID, dates and times)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were correct containers used for the tests required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No head space in VOA vials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were the correct preservatives used?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were the samples scanned for presence of radioactivity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Was total residual chlorine measured (Fish Bioassay samples only)? *	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
 Explanations/Comments

Section 5
 Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [Signature] Date: 3/6/07

APPENDIX D

WELL SAMPLING FIELD SHEETS

WELL GAUGING DATA

Project # 070305-0W-2 Date 3-5-07 Client Equipoise

Site 6125 Telegraph Ave Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or <u>TOC</u>	Notes
mw-7	1750	2					16.84	17.43	↓	
mw-8	1755	2					11.90	18.30	↓	

WELL MONITORING DATA SHEET

Project #: <u>070305-0W-2</u>	Client: <u>Equiprise</u>
Sampler: <u>0W</u>	Date: <u>3-5-07</u>
Well I.D.: <u>mw-7</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>17.43</u>	Depth to Water (DTW): <u>10.84</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI IIACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>12.15</u>	

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

<u>1.1</u> (Gals.) X	<u>3</u>	= <u>3.3</u> Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1302</u>	<u>68.0</u>	<u>6.6</u>	<u>1092</u>	<u>>1000</u>	<u>1.1</u>	<u>Brown</u>
<u>1304</u>	<u>67.8</u>	<u>6.7</u>	<u>927</u>	<u>>1000</u>	<u>2.2</u>	<u>"</u>
<u>1306</u>	<u>67.0</u>	<u>6.6</u>	<u>922</u>	<u>>1000</u>	<u>3.3</u>	<u>"</u>

Did well dewater? Yes No Gallons actually evacuated: 3.3

Sampling Date: 3-5-07 Sampling Time: 1310 Depth to Water: 1210

Sample I.D.: mw-7 Laboratory: Kiff CalScience Other Associated Lab

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: EOB, EOC, methanol, Ethanol

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

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

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

WELL MONITORING DATA SHEET

Project #: <i>070305-OW-2</i>	Client: <i>Equipoise</i>
Sampler: <i>OW</i>	Date: <i>3-5-07</i>
Well I.D.: <i>mw-8</i>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <i>18.30</i>	Depth to Water (DTW): <i>11.90</i>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <i>13.18</i>	

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

<i>1</i>	(Gals.) X	<i>3</i>	=	<i>3</i>	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<i>1324</i>	<i>67.1</i>	<i>6.4</i>	<i>1535</i>	<i>>1000</i>	<i>1</i>	
<i>1326</i>	<i>67.3</i>	<i>6.3</i>	<i>1582</i>	<i>>1000</i>	<i>2</i>	
<i>1328</i>	<i>67.2</i>	<i>6.2</i>	<i>1573</i>	<i>>1000</i>	<i>3</i>	

Did well dewater? Yes No Gallons actually evacuated: *3*

Sampling Date: *3-5-07* Sampling Time: *1333* Depth to Water: *12.58*

Sample I.D.: *mw-8* Laboratory: Kiff CalScience Other *Associated Lab*

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D (Oxygenates (5)) Other: *EDB, EDC, Methanol, Ethanol*

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

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

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

