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Jennifer C. Sedlachek
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ExxonMobil

March 28, 2011

Ms. Barbara Jakub
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Subject: Subsurface Investigation Report
Fuel Leak Case No. RO0000445
Former Mobil Station 99105, 6301 San Pablo Avenue, Oakland, California

Dear Ms. Jakub:

Attached for your review and comment is a copy of the *Subsurface Investigation Report* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the offsite investigation conducted in November 2010.

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

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

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: Subsurface Investigation Report

c: w/ attachment:
Ms. Connie Lam (property owner)

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

Subsurface Investigation Report

Former Mobil Station 99105
6301 San Pablo Avenue
Oakland, California

Prepared for

ExxonMobil Oil Corporation

Prepared by

ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, California 94523
(925) 602-4710

3/28/11

Yuko Mamiya
Project Geologist

Date

Thomas E. Neely, PG, CHG, REA II
Senior Hydrogeologist

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Date

REGISTERED GEOLOGIST
THOMAS E. NEELY
Exp. 9.30.11
No. 7652
STATE OF CALIFORNIA

March 2011

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Former Mobil Station 99105

SITE CONTACTS

Station Name:	Former Mobil Station 99105
Station Address:	6301 San Pablo Avenue Oakland, California
ExxonMobil Project Manager:	Jennifer C. Sedlachek ExxonMobil Environmental Services Company 4096 Piedmont Avenue #194 Oakland, California 94611 (510) 547-8196
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ETIC Project Manager:	Hamidou Barry
Regulatory Oversight:	Barbara Jakub Alameda County Health Care Services Agency 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502 (510) 639-1287

1. INTRODUCTION

At the request of ExxonMobil Environmental Services Company on behalf of ExxonMobil Oil Corporation (ExxonMobil), ETIC Engineering, Inc. (ETIC) has prepared this Subsurface Investigation Report for former Mobil Station 99105, located at 6301 San Pablo Avenue, Oakland, California (Figure 1).

This work was performed in general accordance with the Vapor Intrusion Assessment and Well Installation Work Plan (Work Plan) dated December 2008 and the Work Plan Addendum dated October 2009. In response to the letter from the Alameda County Health Care Services Agency (ACHCSA) dated 13 August 2009, the previously proposed scope of work in the Work Plan (ETIC 2008) was modified, and the work plan addendum outlined the new proposed scope of work for the collection of soil and groundwater samples to evaluate the extent of petroleum hydrocarbons (ETIC 2009).

In a letter dated 20 July 2010, ETIC notified the ACHCSA that the proposed work would be implemented. The regulatory correspondence is attached as Appendix A.

This report documents the results of the offsite investigation.

Scope of Work

The investigation consisted of the following activities:

- On 17 through 19 November 2010, ETIC observed the advancement of five offsite soil borings (B1 though B5) to a maximum depth of 25 feet below ground surface (bgs).
- Soil samples were collected during the advancement of the soil borings.
- Groundwater samples were collected from two soil borings.

2. SITE BACKGROUND

2.1 SITE LOCATION AND LAND USE

Former Mobil Station 99105 is located at 6301 San Pablo Avenue, Oakland, California, on the northwestern corner of the intersection of San Pablo Avenue and 63rd Street (Figure 2). The site was used as a Mobil service station from 1951 to 1980. The site was subsequently used as a car rental lot and is currently an automobile oil change facility. The former four 2,000-gallon gasoline underground storage tanks (USTs) and one 350-gallon used-oil UST were not in use after 1980 and were removed in 1994 (Figure 2). Commercial properties are situated to the north along San Pablo Avenue. To the east, across San Pablo Avenue, is an elementary school, and to the west and south are residential properties.

2.2 REGIONAL GEOLOGY AND HYDROGEOLOGY

The Site is located in the East Bay Plain Subbasin of the Santa Clara Valley Groundwater Basin. The East Bay Plain Subbasin is a northwest trending alluvial plain bounded on the north by San Pablo Bay, on the east by the contact with Franciscan Basement rock, and on the south by the Niles Cone Groundwater Basin. The East Bay Plain Basin extends beneath San Francisco Bay to the west. Numerous creeks including San Pablo Creek, Wildcat Creek, San Leandro Creek, and San Lorenzo Creek flow from the western slope of the Coast Ranges westward across the plain and into the San Francisco Bay. The East Bay Plain Subbasin aquifer system consists of unconsolidated deposits of Quaternary age. Deposits include the early Pleistocene Santa Clara Formation, the late Pleistocene Alameda Formation, the early Holocene Temescal Formation, and Artificial Fill. The cumulative thickness of the unconsolidated deposits is about 1,000 feet (Department of Water Resources [DWR] 2003).

Early Pleistocene Santa Clara Formation

The Santa Clara Formation consists of alluvial fan deposits inter-fingered with lake, swamp, river channel, and flood plain deposits. The formation ranges from 300 to 600 feet thick (DWR 2003).

Late Pleistocene Alameda Formation

The Alameda Formation includes a sequence of alluvial fan deposits. The formation was deposited primarily in an estuarine environment and ranges from 26 to 245 feet thick (DWR 2003).

Early Holocene Temescal Formation

The Temescal Formation is an alluvial deposit consisting primarily of silt and clay with some gravel layers. The formation ranges from 1 to 50 feet thick (DWR 2003).

Artificial Fill

Artificial fill is found mostly along the bay front and wetlands areas and is derived primarily from dredging as well as quarrying, construction, demolition debris, and municipal waste. The fill ranges in thickness from 1 to 50 feet with the thickest deposits found closer to San Francisco Bay (DWR 2003).

2.3 SITE HYDROGEOLOGY

The depth to groundwater beneath the site has ranged from approximately 3 to 12.5 feet bgs. The groundwater flow direction reportedly has varied from the northwest to the southwest. The hydraulic gradient during the most recent groundwater monitoring event in September 2010 was calculated to be 0.07 foot per foot toward the southwest (ETIC 2010). The most recent groundwater flow direction and analytical results are shown on Figure 3.

2.4 SUMMARY OF PREVIOUS INVESTIGATION ACTIVITIES

Previous environmental activities conducted at the site are listed below and were obtained from the Risk-Based Corrective Action Report prepared by TRC Alton Geoscience (TRC), dated October 2002 (TRC 2002). Soil boring and well locations are shown on Figure 2.

In March 1996, four groundwater monitoring wells (MW1 through MW4) were installed (Alisto 1996).

In March 1998, 13 soil borings (AB-1 through AB-13) were drilled to characterize the extent of hydrocarbons in soil and groundwater onsite (Alton 1998).

On 19 November 1998, a dual-phase extraction (DPE) event was conducted. Six temporary monitoring points (MP-1 through MP-6) were advanced to further characterize the extent of hydrocarbon-impacted vadose zone soil and to obtain vacuum readings and groundwater depths during the DPE event. Groundwater and soil vapor were extracted from wells MW3 and MW4. Vacuum response and groundwater depths were measured in the temporary monitoring points and monitoring wells during the DPE event. Approximately 21 pounds of vapor-phase hydrocarbons and 75 gallons of hydrocarbon-impacted groundwater were recovered during the event (Alton 1999). Following the extraction event, monitoring points MP-1 through MP-6 were abandoned in-place.

In early 1999, more than 200 cubic yards of soil was removed from the northeastern portion of the site during redevelopment activities conducted by the property owner. Monitoring well MW4 was inadvertently destroyed during the construction activities (TRC 2002).

In July 1999, MW1 was properly destroyed in preparation for the construction activities (TRC 1999).

In January 2000, one soil boring (HA-1) was advanced in the footprint area of the oil change facility (i.e., prior to construction of the building) to confirm the absence of hydrocarbon impacts in this area.

In the fall of 2000, two (MW2 and MW3) of the three monitoring wells damaged during construction activities conducted by the property owner in 1999 were rehabilitated and the third well (MW4) was replaced by well MW5. The remaining three wells (MW2, MW3, and MW5) were monitored on a quarterly basis until January 2004.

In September 2010, monitoring wells MW2, MW3, and MW5 were re-developed, and groundwater samples were collected from these wells (ETIC 2010).

Well construction details are presented in Table 1, historical soil sample analytical results are presented in Table 2, historical groundwater sample analytical results for temporary borings are presented in Table 3, and groundwater monitoring data are summarized in Tables 4 and 5.

2.5 SUMMARY OF PREVIOUS INTERIM REMEDIAL MEASURES

In August 1994, four 2,000-gallon gasoline USTs and one 350-gallon used-oil UST were excavated and removed from the site. Holes were observed in two of the gasoline tanks. Analysis of soil samples collected from the bottom of the gasoline tank excavation at 11 feet bgs indicated maximum concentrations of 520 milligrams per kilogram (mg/kg) of Total Petroleum Hydrocarbons as gasoline (TPH-g) and 0.18 mg/kg of benzene. Liquid-phase hydrocarbons were observed in the groundwater of the gasoline tank excavation. Analysis of the soil sample from the bottom of the used-oil tank excavation indicated a maximum concentration of 21 mg/kg of TPH-g, 1.2 mg/kg of Total Petroleum Hydrocarbons as diesel (TPH-d), and 94 mg/kg of Total Oil and Grease (TOG). Benzene was not reported above the laboratory detection limit (Alisto 1996).

In January 1996, additional compliance soil samples were collected from the UST excavations. A total of six soil samples were collected from the sidewalls of the gasoline tank excavation and a total of two soil samples were collected from the bottom of the used-oil tank excavation. Analysis of the soil samples from the gasoline tank excavation indicated maximum concentrations of 9.5 mg/kg of TPH-g, 44 mg/kg of TPH-d, and 0.11 mg/kg of benzene. Analysis of the soil samples from the used-oil tank excavation indicated maximum concentrations of 2.9 mg/kg of TPH-d and 10 mg/kg of TOG. Benzene was not reported above the laboratory detection limit (Alisto 1996).

In February 1996, the standing water in the gasoline tank excavation, which had risen to approximately 3 feet bgs, was pumped from the excavation. Non-hazardous waste manifests in the Alisto Engineering Group 1996 report show a total of 16,170 gallons of water was removed from the site at this time. Additional soil samples were collected from the bottom of the gasoline tank excavation. Analysis of those samples indicated a maximum concentration of 640 mg/kg of TPH-g and 160 mg/kg of TPH-d. Benzene was not reported above the laboratory detection limit (Alisto 1996).

Also in February 1996, three 2-inch-diameter fiberglass and two 2-inch-diameter steel fuel pipelines were excavated and removed from the site. No holes were observed in the fiberglass piping. The steel piping showed signs of rust and staining was apparent at the pipe stub-ups near the northwest end of the former dispenser island. The excavation of the product lines was approximately 3 feet wide by 3 feet deep by 50 feet long, from the southeastern corner of the gasoline tank excavation to

the dispenser islands. An area of approximately 16 feet long by 11 feet wide by 5 feet deep was overexcavated near the northwestern end of the former dispenser island to remove apparent petroleum hydrocarbon-impacted soils. Compliance soil samples were collected every 20 linear feet from the former product line excavation. Analysis of those samples indicated a maximum concentration of 240 mg/kg of TPH-g, 37 mg/kg of TPH-d, and 0.30 mg/kg of benzene (Alisto 1996).

An estimated 367 cubic yards of soil was excavated and removed from the site during the UST and piping removals (Alisto 1996).

On 19 November 1998, a DPE event was conducted. Six temporary monitoring points (MP-1 through MP-6) were advanced to further characterize the extent of hydrocarbon-impacted vadose zone soil and to obtain vacuum readings and groundwater depths during the DPE event. Groundwater and soil vapor were extracted from wells MW3 and MW4. Vacuum response and groundwater depths were measured in the temporary monitoring points and monitoring wells during the DPE event. Approximately 21 pounds of vapor-phase hydrocarbons and 75 gallons of hydrocarbon-impacted groundwater were recovered during the event (Alton 1999). Following the extraction event, monitoring points MP-1 through MP-6 were abandoned in-place.

In early 1999, more than 200 cubic yards of soil were removed from the north area of the site during redevelopment activities conducted by the property owner. Monitoring well MW4 was inadvertently destroyed during the construction activities (TRC 2002).

3. SUBSURFACE INVESTIGATION

On 17 through 19 November 2010, ETIC observed the advancement of five offsite soil borings (B1 through B5). Prior to drilling, an encroachment permit was obtained from the City of Oakland and a permit to drill the borings was obtained from Alameda County Public Works Agency. Copies of the permits are attached as Appendix B. The locations of the borings are shown on Figure 2.

3.1 DRILLING OF SOIL BORINGS

On 17 November 2010, soil borings B1 through B5 were cleared by Cascade Drilling, LP (Cascade) of Rancho Cordova, California (C-57 license #938110) with a vacuum rig to ensure that there were no obstructions within the potential path of the direct-push equipment. The borings were cleared to a depth of 8 feet bgs.

On 18 and 19 November 2010, soil borings B1 through B5 was advanced to a maximum depth of 25 feet bgs by Cascade, using the dual-tube, direct-push method. Each boring was continuously logged to the total depth, and soil samples were collected for laboratory analysis. Upon removing the sampling equipment, the borings were filled and sealed with a neat cement grout. Field methods and procedures are described in the protocols, presented in Appendix C. The boring logs are presented in Appendix D.

3.2 SOIL SAMPLING

Soil cores were collected continuously from the base of the cleared hole to the total depths of the borings using a direct-push, dual-tube soil coring system. A hydraulic hammer drove two nested sampling rods simultaneously: Small-diameter inner sampling rods were used to obtain and retrieve the soil cores; the larger diameter (approximately 3-inch outside diameter) outer rods served as temporary drive casing. As the rods were advanced, soil was driven into a 4-foot-long liner inside an approximately 1.5-inch-diameter sample barrel that was attached to the end of the inner rods.

The samples were examined in the field for soil characteristics. The soil is described in the soil boring logs presented in Appendix D. Selected soil samples were cut from the core liner, sealed with Teflon tape, capped, labeled, placed in a cooler with ice, and submitted to Calscience Environmental Laboratories, Inc. (Calscience), a state-certified laboratory in Garden Grove, California. Standard chain-of-custody procedures were followed. Soil sampling procedures are described in the protocols, presented in Appendix C.

3.3 GROUNDWATER SAMPLING

Attempts were made to collect groundwater samples from all borings. Groundwater samples were collected from borings B3 and B5. Water did not accumulate in boring B1 after waiting at least 1 hour. After achieving a total depth of 20 feet bgs, borings B2 through B5 were secured, and left with temporary casing in place overnight. Water did not accumulate in borings B2 and B4 after waiting overnight.

To collect the samples, the dual-tube casing was driven to the desired depth, the soil sample barrel,

inner rods, and drive casing were removed which allowed water to enter the boring. If water did not immediately enter the borehole, the borehole was left in this configuration for at least 1 hour. If water did not enter during the waiting period, the borehole was secured and left open overnight with temporary casing in an attempt to collect water.

The samples were collected from 1-inch-diameter Schedule 40 polyvinyl chloride (PVC) blank well casing and 0.010-inch machine-slotted Schedule 40 PVC casing inserted in the boring. The groundwater samples were collected from the temporary casings using 0.25-inch-diameter polyethylene tubing and a peristaltic pump. The samples were submitted to Calscience for analysis. Groundwater sample collection procedures are described in Appendix C.

3.4 WASTE CONTAINMENT AND DISPOSAL

Reusable sampling equipment was decontaminated after each use. The waste generated during drilling activities was contained in 55-gallon drums and temporarily stored onsite. Samples were collected from the drums and submitted to Calscience Environmental Laboratories, Inc. (Calscience), a state-certified analytical laboratory in Garden Grove, California. The samples were analyzed for TPH-g, BTEX, and total lead in order to characterize the waste for proper disposal. The laboratory analytical reports and chain-of-custody documentation are included in Appendix E. The waste was removed from the site on 15 December 2010 and transported to an ExxonMobil-approved facility for disposal. Waste documentation is included in Appendix F.

4. RESULTS

4.1 SITE GEOLOGY AND HYDROGEOLOGY

The majority of the soil encountered during drilling generally consisted of clay and silt with occasional sand or gravel to 25 feet bgs. Clayey sand was encountered in boring B1 between approximately 8 and 10 feet bgs. Silty sand was encountered between approximately 11 and 11.5 feet in boring B1. Silty sand with clay was encountered between approximately 15 and 17 feet bgs in boring B3. Sandy and/or clayey gravel was encountered in boring B1 between approximately 15 and 15.5 feet bgs, in boring B4 between approximately 18.75 and 19.25 feet bgs, and in boring B5 between approximately 16.5 and 17.5 feet bgs. Detailed soil descriptions are presented in the boring logs in Appendix D.

Groundwater in soil borings B3 and B5 was first encountered at depths between approximately 9 and 9.5 feet bgs.

4.2 SOIL SAMPLE ANALYTICAL METHODS AND RESULTS

Soil samples were submitted to Calscience, and analyzed for TPH-g and TPH-d by EPA Method 8015B (M), and for BTEX, methyl tertiary butyl ether (MTBE), tertiary butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), diisopropyl ether (DIPE), 1,2-dibromoethane (1,2-DBA), ethyl tertiary butyl ether (ETBE), and tertiary amyl methyl ether (TAME) by EPA Method 8260B. Analytical results are summarized in Table 2. The laboratory analytical reports and chain-of-custody documentation are included in Appendix E.

- TPH-g, TPH-d, and BTEX were not detected above laboratory reporting limits in any of the soil samples collected during this investigation.

- MTBE, TBA, 1,2-DCA, DIPE, 1,2-DBA, ETBE, and TAME were not detected above laboratory reporting limits in any of the soil samples collected during this investigation.

4.3 GROUNDWATER SAMPLE ANALYTICAL METHODS AND RESULTS

Groundwater samples were submitted to Calscience and analyzed for TPH-g and TPH-d by EPA Method 8015B (M), and for BTEX, MTBE, TBA, 1,2-DCA, DIPE, 1,2-DBA, ETBE, and TAME by EPA Method 8260B. Analytical results are summarized in Table 3 and on Figure 4. The laboratory analytical reports and chain-of-custody documentation are included in Appendix E.

- Ethylbenzene was detected at concentrations up to 0.053 µg/L in the groundwater samples (boring B3).

- Xylenes were detected at a concentration of 0.21 µg/L in the groundwater samples collected from borings B3 and B5.

- 1,2-DCA was detected at concentrations up to 8.7 µg/L in the groundwater samples (boring B3).

- No other analytes were detected at or above laboratory reporting limits in the groundwater samples.

5. SUMMARY

On 17 through 19 November 2010, ETIC observed the advancement of offsite borings B1 through B5 at Former Mobil Station 99105. The borings were advanced to a maximum depth of 25 feet bgs to assess the potential petroleum hydrocarbon impacts to soil and groundwater downgradient of the site.

Groundwater sampling was attempted at the same approximate depth of first groundwater encountered in previous onsite investigations. Groundwater samples could not be collected from B1, B2, or B4, but were collected from B3 and B5.

TPH-g, TPH-d, BTEX, MTBE, TBA, 1,2-DCA, DIPE, 1,2-DBA, ETBE, and TAME were not detected above laboratory reporting limits in any of the soil samples collected during this investigation.

Ethylbenzene was detected at a maximum concentration of 0.053 µg/L in the groundwater sample collected from boring B3. Xylenes were detected at a maximum concentration of 0.21 µg/L in groundwater samples collected from borings B3 and B5. 1,2-DCA was detected at a maximum concentration of 8.7 µg/L in the groundwater sample collected from boring B3.

Recommendations will be submitted under separate cover.

6. REFERENCES

Alisto (Alisto Engineering Group). 1996. Additional Tank Closure and Preliminary Site Investigation Report, Former Mobil Oil Corporation, Station 99105, 6301 San Pablo Avenue, Oakland, California, 15 April.

Alton (Alton Geoscience). 1998. Supplemental Site Assessment Report, Former Mobil Station 99105, 6301 San Pablo Avenue, Oakland, California, 15 July.

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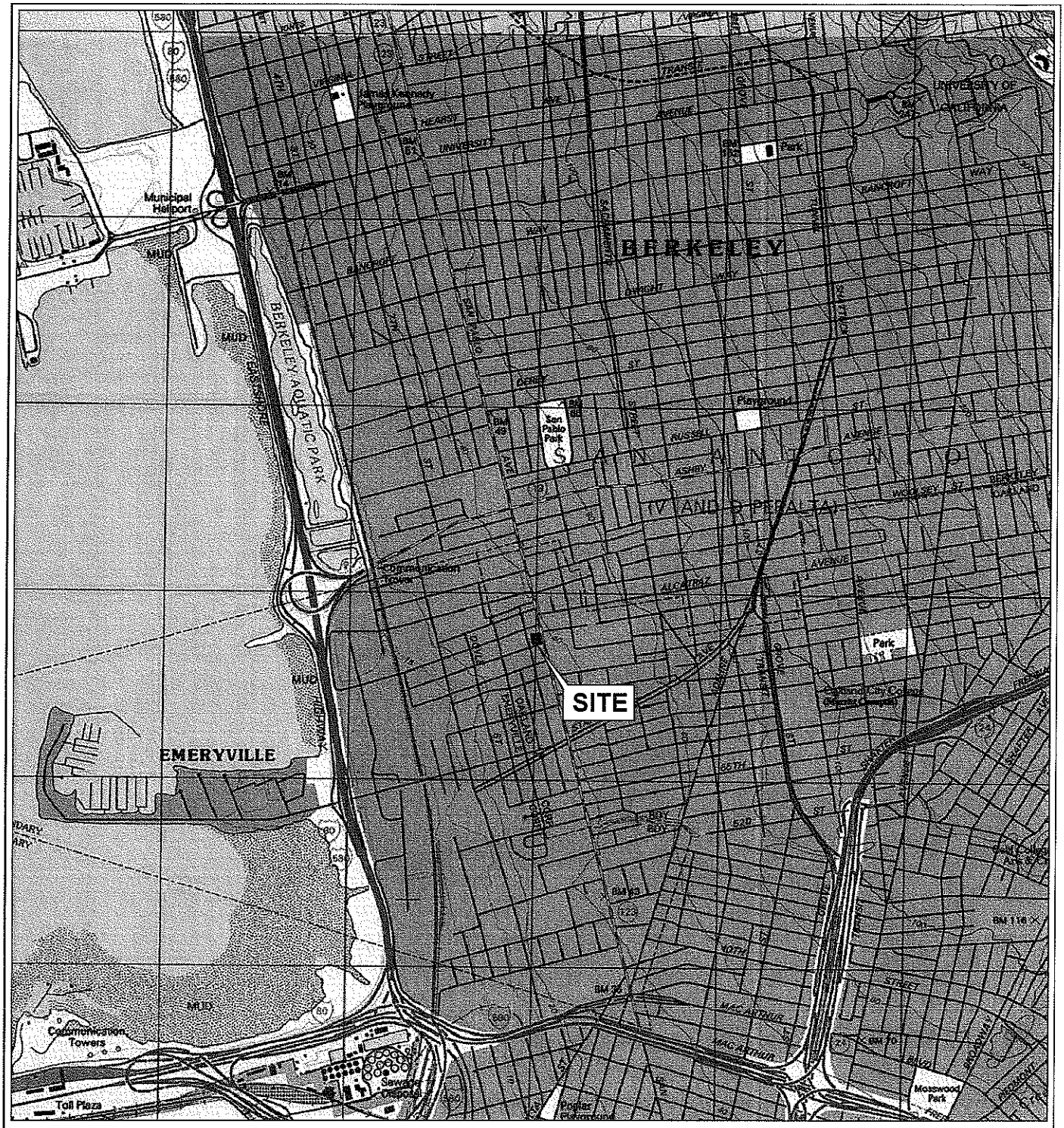
Figures



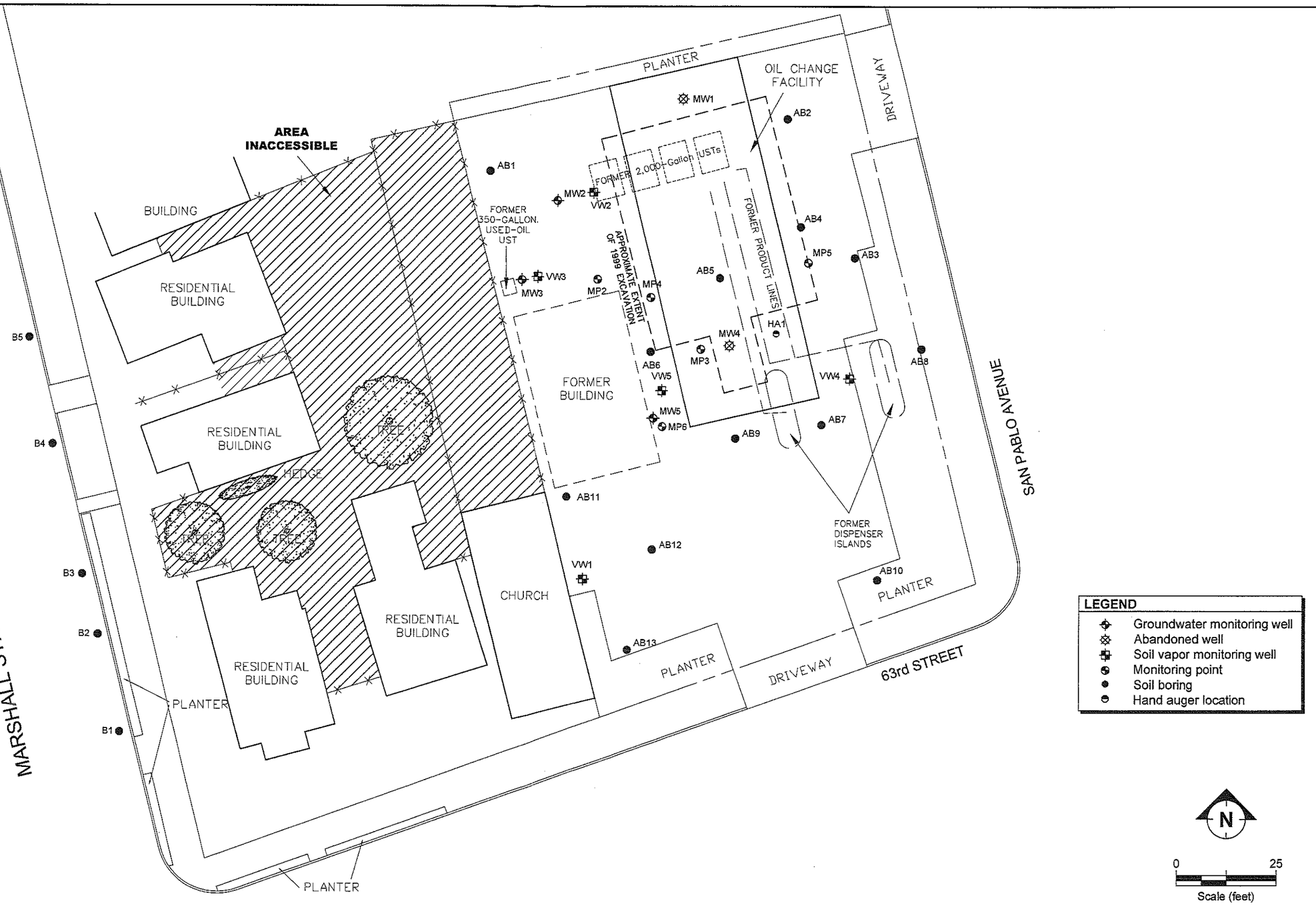
(Map Source: USGS Topographic Map)

FILENAME: TOPO0903.DWG 10/01/03

ETIC ENGINEERING

SITE LOCATION AND TOPOGRAPHIC MAP
FORMER MOBIL STATION 99105
6301 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

FIGURE: 1

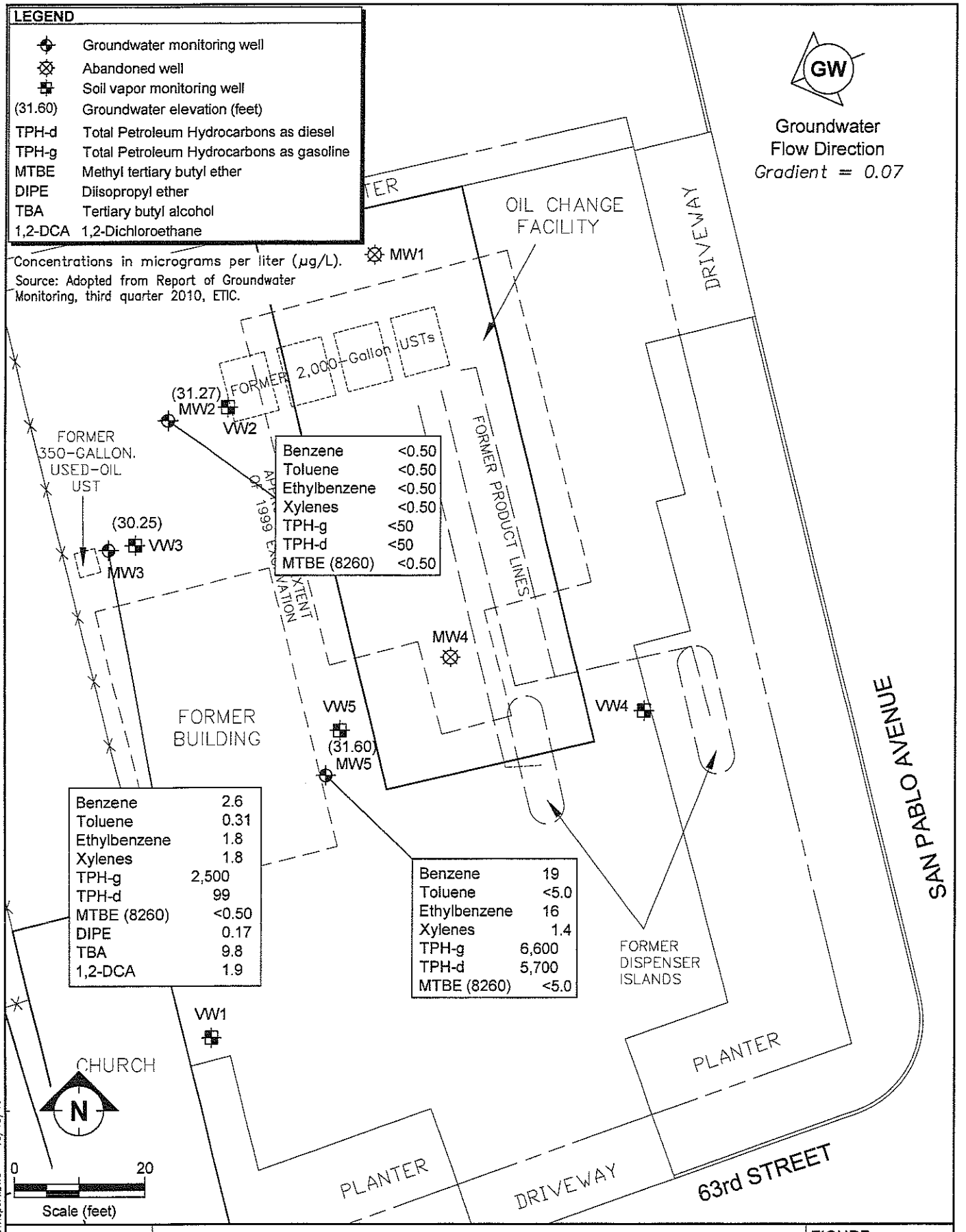


FILENAME: SOIL0111.DWG 1/11/11

ETIC ENGINEERING

SITE MAP SHOWING SOIL BORINGS AND MONITORING WELL LOCATIONS
FORMER MOBIL STATION 99105
6301 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

FIGURE: **2**



FILENAME: WellDevReport.DWG 10/15/10

ETIC ENGINEERING

SITE MAP SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
FORMER MOBIL STATION 99105
6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA
17 SEPTEMBER 2010

FIGURE: 3

B5	
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	0.047
Xylenes	0.21
TPH-g	<50
TPH-d	<50
MTBE	<0.50
1,2-DCA	0.099

B4	
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	0.053
Xylenes	0.21
TPH-g	<50
TPH-d	<50
MTBE	<0.50
1,2-DCA	8.7

LEGEND

◆	Groundwater monitoring well
⊗	Abandoned well
✚	Soil vapor monitoring well
●	Soil boring
TPH-g	Total Petroleum Hydrocarbons as gasoline
TPH-d	Total Petroleum Hydrocarbons as diesel
MTBE	Methyl tertiary butyl ether
1,2-DCA	1,2-Dichloroethane

Note: Concentrations in micrograms per liter (µg/L)

AREA INACCESSIBLE
BUILDING
RESIDENTIAL BUILDING
RESIDENTIAL BUILDING
RESIDENTIAL BUILDING
RESIDENTIAL BUILDING
HEDGE
AREA
AREA
FORMER BUILDING
CHURCH
PLANTER
PLANTER
PLANTER
PLANTER
PLANTER
DRIVEWAY
OIL CHANGE FACILITY
FORMER 2,000-Gallon USTs
FORMER 350-GALLON USED-OIL UST
APPROXIMATE EXTENT OF 1999 EXCAVATION
FORMER PRODUCT LINES
FORMER DISPENSER ISLANDS
DRIVEWAY
63rd STREET
MARSHALL STREET
SAN PABLO AVENUE
MW1
MW2
VW2
AB1
VW3
MW3
MP2
MP4
AB5
AB2
AB4
MP5
AB3
HA1
MW4
MP3
AB6
VW5
MW5
MP6
AB9
VW4
AB8
AB7
AB11
AB12
VW1
AB10
AB13
B5
B4
B3
B2
B1

N

0 25

Scale (feet)

ETIC ENGINEERING

SITE MAP SHOWING SOIL BORING GROUNDWATER ANALYTICAL RESULTS
FORMER MOBIL STATION 99105
6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA
19 NOVEMBER 2010

FIGURE: 4

FILENAME: SOIL0111.DWG 1/11/11

Tables

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number		Well Installation Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material
MW1	b	03/01/96	--	PVC	21.5	20	10	4	5 - 20	0.010	4.5 - 21.5	#12 Sand
MW2	a	03/01/96	42.24	PVC	21.5	20	10	4	5 - 20	0.010	4.5 - 21.5	#12 Sand
MW3	a	03/01/96	42.18	PVC	21.5	20	10	4	5 - 20	0.010	4.5 - 21.5	#12 Sand
MW4	b	03/01/96	--	PVC	26.5	25	10	4	5 - 25	0.010	4.5 - 21.5	#12 Sand
MW5	a	09/06/00	41.86	PVC	21.5	20	10	4	5 - 20	0.010	4 - 21.5	#2/12 Sand
VW1	a	11/01/10	--	SS	6	6	4	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW2	a	11/02/10	--	SS	6	6	4	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW3	a	11/01/10	--	SS	6	6	4	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW4	a	11/02/10	--	SS	6	6	4	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand
VW5	a	11/02/10	--	SS	6	6	4	0.25	5.25 - 5.75	0.0057	5 - 6	#2/12 Sand

Notes:

a Well surveyed on 12/15/10 by Morrow Surveying.
b Well destroyed.

PVC Polyvinyl chloride.
SS Stainless steel.
TOC Top of casing.

-- Information not available.

TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Sample Number	Date	Sample Depth (feet bgs)	Concentration (mg/kg)										
			Benzene	Toluene	Ethyl-benzene	Xylene	TPH-g	TPH-d	MTBE	MTBE (8260B)	TOG	Lead	Oxygenates and Additives
MW1	03/01/96	5 - 5.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	3.4	--	--	--	<2.5	--
MW1	03/01/96	10 - 10.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	--	--	--	<2.5	--
MW1	03/01/96	15 - 15.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	4.2	--	--	--	<2.5	--
MW2	03/01/96	5 - 5.5	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	2.4	--	--	--	<2.5	--
MW2	03/01/96	10 - 10.5	1.2	1.4	2.7	14	220	57	--	--	--	<2.5	--
MW2	03/01/96	15 - 15.5	<0.0050	<0.0050	0.0063	0.035	<1.0	<1.0	--	--	--	<2.5	--
MW3	03/01/96	5.5 - 6	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	1.1	--	--	9	<2.5	--
MW3	03/01/96	10.5 - 11	0.032	0.43	0.65	0.93	53	72	--	--	290	<2.5	--
MW3	03/01/96	15.5 - 16	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	--	--	10	<2.5	--
MW4	03/01/96	5.5 - 6	1.2	1	4.1	19	280	34	--	--	--	<2.5	--
MW4	03/01/96	10.5 - 11	0.11	<0.0050	0.11	0.093	6	7.7	--	--	--	<2.5	--
MW4	03/01/96	15.5 - 16	0.076	0.023	0.083	0.07	6	2.1	--	--	--	<2.5	--
AB-1	03/05/98	5 - 6	ND	ND	ND	ND	ND	--	ND	--	--	--	--
AB-2	03/05/98	4 - 5	ND	ND	ND	ND	ND	--	ND	--	--	--	--
AB-3	03/05/98	5.5	ND	ND	ND	ND	ND	--	ND	--	--	--	--
AB-4	03/05/98	5 - 6	ND	ND	ND	ND	18	--	ND	--	--	--	--
AB-5	03/05/98	3 - 4	ND	ND	0.65	ND	170	--	ND	--	--	--	--
AB-6	03/05/98	5	ND	ND	ND	ND	230	--	ND	--	--	--	--
AB-7	03/05/98	4-5	ND	ND	0.032	ND	19	--	ND	--	--	--	--
AB-8	03/05/98	5'	ND	ND	ND	ND	ND	--	ND	--	--	--	--
AB-9	03/05/98	4	0.006	ND	0.028	ND	16	--	ND	--	--	--	--
AB-10	03/05/98	4	ND	ND	ND	ND	ND	--	ND	--	--	--	--

TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Sample Number	Date	Sample Depth (feet bgs)	Concentration (mg/kg)										
			Benzene	Toluene	Ethyl-benzene	Xylene	TPH-g	TPH-d	MTBE	MTBE (8260B)	TOG	Lead	Oxygenates and Additives
AB-11	03/05/98	5 - 6	ND	ND	ND	ND	3.9	--	ND	--	--	--	--
AB-12	03/16/98	5 - 6	ND	ND	ND	ND	ND	--	ND	--	--	--	--
AB-13	03/16/98	5 - 6	ND	ND	ND	ND	ND	--	ND	--	--	--	--
MP-1	11/16/98	7.5	ND	0.007	0.013	ND	10	--	ND	--	--	--	--
MP-2	11/16/98	7	ND	0.03	0.29	2.1	270	--	ND	--	--	--	--
MP-2	11/16/98	10.5	0.08	ND	0.31	ND	140	--	0.15	--	--	--	--
MP-3	11/16/98	7.5	ND	0.1	1.6	ND	230	--	0.28	--	--	--	--
MP-4	11/16/98	5	ND	ND	0.35	ND	120	--	0.19	--	--	--	--
MP-4	11/16/98	10	ND	0.013	0.07	0.086	18	--	ND	--	--	--	--
MP-5	11/16/98	6.5	ND	ND	0.015	0.022	6.4	--	ND	--	--	--	--
MP-5	11/16/98	10.5	ND	ND	1.4	3	220	--	0.52	--	--	--	--
MP-6	11/16/98	7	ND	ND	ND	ND	ND	--	ND	--	--	--	--
MP-6	11/16/98	10	ND	ND	1.6	4.2	240	--	0.92	ND	--	--	--
HA-1	01/25/00	5	<0.0050	<0.0050	<0.0050	<0.010	<0.50	--	<0.025	--	--	--	--
Comp-1	01/25/00	Composite	<0.0050	<0.0050	<0.0050	<0.010	<0.50	--	<0.025	--	--	8.04	--
B1	**11/17/10**	**5 - 5.5**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**
B1	**11/18/10**	**9.5 - 10**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**
B1	**11/18/10**	**14.5 - 15**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**
B1	**11/18/10**	**19.5 - 20**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**
B1	**11/18/10**	**24.5 - 25**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**
B2	**11/17/10**	**5 - 5.5**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**
B2	**11/18/10**	**8.5 - 9**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**
B2	**11/19/10**	**14.5 - 15**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	--	**<0.0050**	--	--	**ND**

TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Sample Number	Date	Sample Depth (feet bgs)	Concentration (mg/kg) Benzene	Toluene	Ethyl-benzene	Xylene	TPH-g	TPH-d	MTBE	MTBE (8260B)	TOG	Lead	Oxygenates and Additives
B2	**11/19/10**	**19.5 - 20**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B3	**11/17/10**	**5 - 5.5**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B3	**11/18/10**	**9.5 - 10**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B3	**11/19/10**	**12 - 12.5**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B3	**11/19/10**	**14.5 - 15**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B3	**11/19/10**	**17 - 17.5**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B3	**11/19/10**	**19.5 - 20**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B4	**11/17/10**	**5 - 5.5**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B4	**11/18/10**	**9.5 - 10**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B4	**11/19/10**	**14.5 - 15**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B4	**11/19/10**	**19.5 - 20**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B5	**11/17/10**	**5 -5.5**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B5	**11/18/10**	**9.5 - 10**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B5	**11/19/10**	**14.5 - 15**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**
B5	**11/19/10**	**19.5 - 20**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	**<0.50**	**<5.0a**	**--**	**<0.0050**	**--**	**--**	**ND**

Notes: This table was adapted from the Risk-Based Corrective Action Report, Table 1, dated October 2002 by TRC.
Oxygenates and additives are defined as 1,2-dibromoethane, 1,2-dichloroethane, diisopropyl ether, ethyl tertiary butyl ether, tertiary amyl methyl ether, and tertiary butyl alcohol.

a The sample extract was subjected to Silica Gel treatment prior to analysis.
bgs Below ground surface.
mg/kg Milligrams per kilogram.
MTBE Methyl tertiary butyl ether.
ND Not detected.
TOG Total Oil and Grease.
TPH-d Total Petroleum Hydrocarbons as diesel.
TPH-g Total Petroleum Hydrocarbons as gasoline.

-- Not analyzed.

TABLE 3 GROUNDWATER GRAB SAMPLE ANALYTICAL RESULTS FOR TEMPORARY BORINGS, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

		Concentrations (µg/L)								
Sample Number	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-g	TPH-d	MTBE (8020 or 8021)	MTBE (8260)	Oxygenates and Additives
AB1	03/05/98	31	5.3	79	130	1,600	--	ND	--	--
AB2	03/05/98	ND	2.9	0.9	5.7	ND	--	ND	--	--
AB3	03/05/98	680	100	1,500	2,300	6,800	--	230	--	--
AB4	03/05/98	240	ND	260	720	8,500	--	ND	--	--
AB6	03/05/98	350	ND	310	100	12,000	--	ND	--	--
AB9	03/05/98	57	12	44	93	1,000	--	ND	--	--
AB10	03/05/98	3.0	1.2	3.2	2.8	200	--	ND	--	--
AB11	03/05/98	ND	ND	ND	ND	ND	--	ND	--	--
AB12	03/05/98	660	50	630	940	8,800	--	37	--	--
AB13	03/05/98	11	0.8	10	15	210	--	ND	--	--
HA1	01/25/00	<0.3	<0.3	<0.3	<0.6	<500	--	<5.0	--	--
B1	**11/18/10**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
B2	**11/19/10**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
B3	**11/19/10**	**<0.50**	**<0.50**	**0.053b**	**0.21b**	**<50**	**<50c**	**--**	**<0.50**	**8.7a**
B4	**11/19/10**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
B5	**11/19/10**	**<0.50**	**<0.50**	**0.047b**	**0.21b**	**<50**	**<50c**	**--**	**<0.50**	**0.099a,b**

Notes: This table was adapted from the Risk-Based Corrective Action Report, Table 2, dated October 2002 by TRC.

TABLE 3 GROUNDWATER GRAB SAMPLE ANALYTICAL RESULTS FOR TEMPORARY BORINGS, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

		Concentrations (µg/L)								
Sample Number	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-g	TPH-d	MTBE (8020 or 8021)	MTBE (8260)	Oxygenates and Additives

Oxygenates and additives are defined as 1,2-dibromoethane, 1,2-dichloroethane, diisopropyl ether, ethyl tertiary butyl ether, tertiary amyl methyl ether, and tertiary butyl alcohol.

a 1,2-Dichloroethane.
b Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
c The sample extract was subjected to Silica Gel treatment prior to analysis.

MTBE Methyl tertiary butyl ether.
ND Not detected at or above laboratory reporting limit.
NS Not sampled. A groundwater sample could not be collected.
TPH-d Total Petroleum Hydrocarbons as diesel.
TPH-g Total Petroleum Hydrocarbons as gasoline.

-- Not measured/not analyzed.
µg/L Micrograms per liter.

TABLE 4 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness	Concentrations (µg/L)							
						TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020/8021)	MTBE (8240/8260)
TW1	01/04/96	--	6.00	--	0.00	ND	700	ND	ND	ND	ND	--	--
WW1	01/04/96	--	3.00	--	0.00	ND	--	ND	ND	ND	ND	--	--
MW1	03/14/96	32.79	4.50	28.29	0.00	610	450	0.75	0.54	1.5	59	--	--
MW1	05/21/96	32.79	5.64	27.15	0.00	ND	ND	ND	ND	ND	ND	--	--
MW1	08/13/96	32.79	9.76	23.03	0.00	ND	ND	ND	ND	ND	ND	--	--
MW1	11/08/96	32.79	10.24	22.55	0.00	ND	ND	ND	0.92	ND	2.1	ND	--
MW1	01/31/97	32.79	3.83	28.96	0.00	ND	ND	ND	0.85	ND	ND	2.6	ND
MW1	04/22/97	32.79	9.14	23.65	0.00	ND	ND	ND	ND	ND	ND	ND	--
MW1[a]	07/29/97	32.79	10.18	22.61	0.00	ND	60[e]	0.84	0.95	ND	1.6	36	--
MW1[a]	10/09/97	32.79	10.46	22.33	0.00	ND	56[e]	ND	ND	ND	ND	ND	--
MW1[a]	01/23/98	32.79	3.95	28.84	0.00	ND	33	ND	ND	ND	ND	ND	--
MW1	04/22/98	32.79	5.33	27.46	0.00	ND	ND	ND	ND	ND	ND	ND	--
MW1	07/21/98	32.79	9.17	23.62	0.00	ND	--	ND	ND	ND	ND	ND	--
MW1	10/20/98	32.79	10.41	22.38	0.00	ND	--	ND	ND	ND	ND	ND	--
MW1	01/27/99	32.79	5.51	27.28	0.00	ND	--	ND	ND	ND	ND	ND	--
MW1	Destroyed during construction activities in April 1999												
MW2	03/14/96	32.80	4.51	28.29	0.00	560	250	2.0	0.96	4.3	11	--	--
MW2	05/21/96	32.80	5.65	27.15	0.00	730	560	5.1	1.4	6.7	5.9	--	--
MW2	08/13/96	32.80	10.14	22.66	0.00	490	380[b]	25	3.5	7.2	13	--	--
MW2	11/08/96	32.80	10.70	22.10	0.00	520	160[d]	80	2.7	14	66	6.1	--
MW2	01/31/97	32.80	3.84	28.96	0.00	74	130[b]	ND	ND	ND	ND	ND	--
MW2	04/22/97	32.80	9.61	23.19	0.00	260	430	2.7	ND	2.5	ND	ND	--
MW2[a]	07/29/97	32.80	10.53	22.27	0.00	320	150[d]	28	1.2	10	ND	ND	--
MW2[a]	10/09/97	32.80	10.87	21.93	0.00	460	160[b]	43	2.8	2.0	2.6	2.6	--
MW2[a]	01/23/98	32.80	3.75	29.05	0.00	ND	54	ND	ND	ND	ND	ND	--
MW2	04/22/98	32.80	5.36	27.44	0.00	180	540	1.2	0.3	0.4	ND	ND	--
MW2	07/21/98	32.80	9.55	23.25	0.00	80	--	8.9	2.1	0.6	2.5	ND	--
MW2	10/20/98	32.80	10.75	22.05	0.00	50	--	0.8	0.7	ND	0.8	ND	--
MW2	01/27/99	32.80	5.53	27.27	0.00	ND	--	0.6	ND	ND	ND	ND	--
MW2	07/27/99	32.80	6.20	26.60	0.00	ND	--	ND	0.6	ND	ND	ND	--
MW2	12/08/99	32.80	9.98	22.82	0.00	ND	--	1.2	0.43	ND	ND	ND	--
MW2	10/25/00	39.34	11.30	28.04	0.00	<20	--	2.0	0.59	0.46	1.3	<0.30	--

TABLE 4 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness	Concentrations (µg/L)							
						TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020/8021)	MTBE (8240/8260)
MW2	01/15/01	39.34	9.41	29.93	0.00	<20	--	<0.20	0.46	<0.20	<0.60	<0.30	--
MW2	04/10/01	39.34	6.16	33.18	0.00	23	--	0.28	<0.20	<0.20	<0.60	<1.0	--
MW2	07/24/01	39.34	10.70	28.64	0.00	<50	--	<0.20	0.93	<0.20	0.82	<0.30	--
MW2	11/27/01	39.34	10.15	29.19	0.00	<50	--	1.2	0.22	<0.20	<0.60	<0.30	--
MW2	01/18/02	41.99	5.46	36.53	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	1.40	--
MW2	04/10/02	41.99	6.48	35.51	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	1.80	--
MW2	07/12/02	41.99	10.45	31.54	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW2	10/14/02	41.99	11.46	30.53	0.00	<50.0	--	<0.5	4.1	0.6	4.0	<0.5	--
MW2	01/20/03	41.99	5.39	36.60	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	0.6	--
MW2	04/28/03	41.99	5.87	36.12	0.00	<50.0	--	<0.50	<0.50	<0.50	<0.50	<0.50	--
MW2	07/15/03	41.99	10.31	31.68	0.00	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW2	10/08/03	41.99	11.20	30.79	0.00	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW2	01/15/04	41.99	5.36	36.63	0.00	63.3	--	0.70	<0.5	<0.5	<0.5	1.0	--
MW2	09/17/10	41.99	10.72	31.27	0.00	<50	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50
MW3	03/14/96	32.80	9.55	23.25	0.00	4,200	1,200	220	30	140	520	--	--
MW3	05/21/96	32.80	10.16	22.64	0.00	8,500	2,800	710	110	440	1,700	--	--
MW3	08/13/96	32.80	11.18	21.62	0.00	5,000	2,300[c]	430	ND	200	360	--	--
MW3	11/08/96	32.80	11.51	21.29	0.00	8,400	2,900[b]	890	82	790	1,700	73	ND
MW3	01/31/97	32.80	7.90	24.90	0.00	16,000	7,500[b]	660	85	960	1,800	ND	--
MW3	04/22/97	32.80	10.64	22.16	0.00	8,000	2,700	340	33	400	490	200	ND
MW3[a]	07/29/97	32.80	11.36	21.44	0.00	9,800	2,300[b]	330	ND	530	530	ND	--
MW3[a]	10/09/97	32.80	11.52	21.28	0.00	7,300	2,600[b]	300	ND	430	460	270	ND
MW3[a]	01/23/98	32.80	7.50	25.30	0.00	6,100	2,300	190	23	330	320	ND	--
MW3	04/22/98	32.80	6.81	25.99	0.00	4,900	2,600	140	12	250	230	ND	ND
MW3	07/21/98	32.80	10.65	22.15	0.00	7,400	--	250	16	400	370	74	ND
MW3	10/20/98	32.80	11.57	21.23	0.00	6,700	--	200	18	350	350	ND	ND
MW3	01/27/99	32.80	9.11	23.69	0.00	3,100	--	74	4	94	39	13	--
MW3	07/27/99	32.80	7.27	25.53	0.00	8,900	--	170	21	360	440	ND	--
MW3	12/08/99	32.80	10.63	22.17	0.00	4,800	--	94	13	170	210	ND	--
MW3	10/25/00	39.27	12.08	27.19	0.00	3,800	--	63	2.9	100	65	<50	<5
MW3	01/15/01	39.27	10.29	28.98	0.00	4,300	--	76	9.5	47	76	<5.0	--
MW3	04/10/01	39.27	10.11	29.16	0.00	2,700	--	55	4.4	100	37	<20	--
MW3	07/24/01	39.27	11.57	27.70	0.00	3,100	--	110	6.9	110	81	<1.0	--
MW3	11/27/01	39.27	10.93	28.34	0.00	2,400	--	47	8.9	25	35	<0.30	--
MW3	01/18/02	41.71	9.47	32.24	0.00	1,130	--	15.3	2.30	42.0	24.6	13.6	--

TABLE 4 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness	Concentrations (µg/L) TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020/8021)	MTBE (8240/8260)
MW3	04/10/02	41.71	10.14	31.57	0.00	916	--	35.1	3.00	22.5	13.8	11.2	--
MW3	07/12/02	41.71	11.34	30.37	0.00	2,330	--	60.5	2.90	39.8	50.9	15.4	--
MW3	10/14/02	41.71	12.10	29.61	0.00	2,550	--	36.9	3.8	20.3	48.0	<0.5	--
MW3	01/20/03	41.71	9.20	32.51	0.00	1,750	--	20.4	304.0	60.7	22.0	10.7	--
MW3	04/28/03	41.71	9.37	32.34	0.00	2,730	--	10.0	2.7	42.7	20.1	11.2	--
MW3	07/15/03	41.71	11.15	30.56	0.00	1,790	--	68.8	3.6	39.0	44.7	5.6	--
MW3	10/08/03	41.71	11.89	29.82	0.00	1,320	--	35.1	4.0	23.6	31.8	7.1	--
MW3	01/15/04	41.71	9.16	32.55	0.00	791	--	24.4	1.3	40.1	14.7	3.4	--
MW3	09/17/10	41.71	11.46	30.25	0.00	2,500	99	2.6	0.31[f]	1.8	1.8	--	<0.50
MW4	03/14/96	31.50	4.92	26.58	0.00	12,000	3,500	2,200	140	880	2,000	--	--
MW4	05/21/96	31.50	8.60	22.90	0.00	11,000	4,200	1,700	ND	930	470	--	--
MW4	08/13/96	31.50	10.02	21.50	0.02	--	--	--	--	--	--	--	--
MW4	11/08/96	31.50	10.28	21.33	0.15	--	--	--	--	--	--	--	--
MW4	01/31/97	31.50	7.88	23.62	0.00	23,000	8,200[b]	980	68	1,100	1,400	ND	--
MW4	04/22/97	31.50	7.40	24.10	0.00	8,800	4,500	950	ND	610	130	ND	--
MW4	07/29/97	31.50	9.85	21.74	0.12	--	--	--	--	--	--	--	--
MW4	10/09/97	31.50	10.35	21.38	0.30	--	--	--	--	--	--	--	--
MW4	01/23/98	31.50	4.68	27.51	0.92	--	--	--	--	--	--	--	--
MW4	04/22/98	31.50	6.39	25.22	0.14	--	--	--	--	--	--	--	--
MW4	07/21/98	31.50	7.10	24.55	0.20	--	--	--	--	--	--	--	--
MW4	10/20/98	31.50	9.03	22.60	0.17	--	--	--	--	--	--	--	--
MW4	01/27/99	31.50	5.37	26.18	0.07	--	--	--	--	--	--	--	--
MW4	Destroyed during construction activities in April 1999												
MW5	10/25/00	39.18	10.92	28.26	0.00	2,500	--	79	3.8	66	<20	<20	--
MW5	01/15/01	39.18	8.32	30.86	0.00	3,900	--	120	7.9	280	52	<5.0	--
MW5	04/10/01	39.18	7.21	31.97	0.00	8,000	--	280	4.4	410	100	<50	<5
MW5	07/24/01	39.18	9.54	29.64	0.00	7,000	--	360	7.4	380	67	<1.0	--
MW5	11/27/01	39.18	8.84	30.34	0.00	5,000	--	64	11	340	52	8.9	<2
MW5	01/18/02	41.59	6.52	35.07	0.00	6,330	--	99.1	2.30	103	19.6	21.8	--
MW5	04/10/02	41.59	7.20	34.39	0.00	2,140	--	275	8.00	183	24.5	<2.50	--
MW5	07/12/02	41.59	8.83	32.76	0.00	3,940	--	350	<0.50	268	14	20	<0.50
MW5	10/14/02	41.59	10.74	30.85	0.00	4,040	--	98.5	9.0	169	29.0	<2.5	--
MW5	01/20/03	41.59	6.45	35.14	0.00	7,660	--	421	10.0	743	96.0	59	<0.50
MW5	04/28/03	41.59	6.68	34.91	0.00	7,510	--	403	5.5	524	50.5	47	<0.50
MW5	07/15/03	41.59	8.68	32.91	0.00	6,080	--	406	19.8	412	34.7	52.9	<2.5

TABLE 4 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Elevation TOC (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness	Concentrations (µg/L)							
						TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8020/8021)	MTBE (8240/8260)
MW5	10/08/03	41.59	10.56	31.03	0.00	2,460	--	160	12.8	173	31.7	54.3	<0.5
MW5	01/15/04	41.59	6.56	35.03	0.00	4,630	--	181	6.0	312	38.5	37.4	<0.5
MW5	09/17/10	41.59	9.99	31.60	0.00	6,600	5,700	19	<5.0	16	1.4[f]	--	<5.0

Notes: Adapted from Report of Groundwater Monitoring, Third Quarter 2010, ETIC.

a Well sampled using no-purge method.
b Diesel and unidentified hydrocarbons <C15.
c Diesel and unidentified hydrocarbons <C15>C25.
d Diesel and unidentified hydrocarbons >C20.
e Unidentified hydrocarbons >C18.
f Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit.

LPH Liquid-phase hydrocarbons.
MTBE Methyl tertiary butyl ether.
ND Not detected at or above laboratory reporting limit.
TOC Top of casing.
TPH-d Total Petroleum Hydrocarbons as diesel.
TPH-g Total Petroleum Hydrocarbons as gasoline.

-- Not measured/not analyzed.
µg/L Micrograms per liter.

TABLE 5 GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR OXYGENATES AND ADDITIVES, FORMER MOBIL STATION 99105, 6301 SAN PABLO AVENUE, OAKLAND, CALIFORNIA

Well Number	Date	Concentrations (µg/L)						
		MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	1,2-DBA
MW2	09/17/10	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50
MW3	09/17/10	<0.50	0.17[a]	<0.50	<0.50	9.8[a]	1.9	<0.50
MW5	09/17/10	<5.0	<5.0	<5.0	<5.0	<100	<5.0	<5.0

Notes: All analytes were analyzed by EPA Method 8260B.
Adapted from Report of Groundwater Monitoring, Third Quarter 2010, ETIC.

a Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

1,2-DBA 1,2-Dibromoethane or ethylene dibromide (EDB).
1,2-DCA 1,2-Dichloroethane.
DIPE Diisopropyl ether.
ETBE Ethyl tertiary butyl ether.
MTBE Methyl tertiary butyl ether.
TAME Tertiary amyl methyl ether.
TBA Tertiary butyl alcohol.

µg/L Micrograms per liter.

Appendix A

Regulatory Correspondence

Hamidou Barry

From: Hamidou Barry
Sent: Tuesday, October 26, 2010 3:31 PM
To: 'barbara.jakub@acgov.org'
Cc: Bryan Campbell; 'jennifer.c.sedlachek@exxonmobil.com'; Christa Marting; Erik Appel; Jason Leary
Subject: Former Mobil Station 99105 (Case No. RO0000445): Onsite Vapor Well Installation and Offsite Soil Borings

Tracking:

Recipient	Read
'barbara.jakub@acgov.org'	
Bryan Campbell	Read: 10/26/2010 3:42 PM
'jennifer.c.sedlachek@exxonmobil.com'	
Christa Marting	Read: 10/26/2010 3:32 PM
Erik Appel	Read: 10/26/2010 3:49 PM
Jason Leary	Read: 10/26/2010 4:40 PM

As a follow up to our telephone conversation on 31 August 2010, I am sending this email to inform you of the following schedule for the installation/sampling the onsite soil vapor monitoring wells, and the advancement of the offsite soil borings at former Mobil Station 99105 (Case No. RO0000445), located at 6301 San Pablo Avenue, Oakland, CA.

- **1 and 2 November 2010: Installation of 5 onsite soil vapor monitoring wells**
- **9 November 2010: Soil vapor sampling**
- **17 through 19 November 2010: Advancement of 5 offsite soil borings (Geoprobe method)**

The reports of the investigations will be submitted to the Alameda County Health Care Services Agency.

Please contact us if you have any questions.

Thank you.

Hamidou Barry
hbarry@eticeng.com
ETIC Engineering, Inc.
2285 Morello Ave.
Pleasant Hill, CA 94523
Tel: 925-602-4710 x 34
Fax: 925-602-4720
Cell: 925-354-8275
www.eticeng.com

ETIC ENGINEERING

20 July 2010

Ms. Barbara Jakub
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Implementation of Vapor Intrusion Assessment and Well Installation Work Plan and Work Plan Addendum**
Former Mobil Station 99105, 6301 San Pablo Avenue, Oakland, California
Fuel Leak Case No. RO0000445 / GeoTracker Global ID T0600101855

Dear Ms. Jakub:

At the request of ExxonMobil Environmental Services Company on behalf of ExxonMobil Oil Corporation, ETIC Engineering, Inc. (ETIC) submitted a Vapor Intrusion Assessment and Well Installation Work Plan dated December 2008 and Work Plan Addendum dated October 2009 for the above referenced site to the Alameda County Health Care Services Agency (ACHCSA).

The scope of work outlined in these documents includes vapor intrusion assessment with the collection of soil vapor samples following the installation of soil vapor wells, the advancement of offsite borings and the redevelopment and sampling of the existing groundwater monitoring wells.

As of the date of this letter, the ACHCSA has not issued a written response to the referenced Work Plan Addendum. Therefore, ETIC hereby notifies ACHCSA of its intent to invoke the "60-day policy" under Title 23, Chapter 16, Section 2722 of the California Underground Storage Tank Regulations, and implement the proposed scope of work outlined in the Vapor Intrusion Assessment and Well Installation Work Plan dated December 2008 and Work Plan Addendum dated October 2009. The proposed work including the submittal of all necessary permits will begin on or after 30 July 2010.

Unless we hear otherwise from you, ETIC trusts that this notification meets your requirement. Should you need additional information regarding this project, please contact me at (925) 602-4710 ext. 24.

Sincerely,

Bryan Campbell
Program Manager

cc: Ms. Jennifer Sedlachek, ExxonMobil Environmental Services Company
Ms. Connie Lam, Property Owner

Appendix B

Permits

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

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X1001465 Job Site 6301 SAN PABLO AV Parcel# 016 -1455-010-00

Descr Soil boring(s) on Marshall St near 63rd Street. Permit Issued 11/15/10
No impact on traffic lane allowed.
Call PWA INSPECTION prior to start: 510-238-3651. 4th floor
Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # 99105 Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	ON DAN & LAM NATHAN ETAL				
Contractor	CASCADE DRILLING L P	X	(916)638-1169	938110	C57
Arch/Engr					
Agent	ETIC ENG/ Y MAMIYA X37		(925)602-4710		
Applic Addr	3632 OMEC CIR, RANCHO CORDOVA, CA, 95742-730				

JOB SITE

Transmittal CK9105

$436.05	TOTAL FEES PAID AT ISSUANCE		
$71.00	Applic	$309.00	Permit
$.00	Process	$36.10	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other	$19.95	Tech Enh

Permit Issued By _____ Date: _____

Finaled By _____ Date: _____

ADDRESS:

DIST:

CITY OF OAKLAND

PERMITS

PAID
SMK 11/15/10

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

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X1001465 Parcel #: 016 -1455-010-00
Project Address: 6301 SAN PABLO AV

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____POLICY NO. _____

[ ] I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

DIST:_____ ADDRESS:_____

PRINT NAME Signature [ ] Contractor, or [ ] Agent Date

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: 10/22/2010 By jamesy

Permit Numbers: W2010-0780
Permits Valid from 11/17/2010 to 11/19/2010

Application Id:	1287182342209	**City of Project Site:** Oakland
Site Location:	Former Mobil Station 99105, 6301 San Pablo Avenue, Oakland, CA	
Project Start Date:	11/17/2010	**Completion Date:** 11/19/2010
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org	
Applicant:	ETIC Engineering, Inc. - Bryan Campbell 2285 Morello Avenue, Pleasant Hill, CA 94523	**Phone:** 925-602-4710 x24
Property Owner:	City of Oakland 250 Frank H. Ogawa Plaza, Oakland, CA 94612	**Phone:** 510-238-3443
Client:	ExxonMobil Environmental Services Agency 4096 Piedmont Avenue, #194, Oakland, CA 94611	**Phone:** 510-547-8196
Contact:	Hamidou Barry	**Phone:** 925-602-4710 x34 **Cell:** --

	Total Due:	$265.00
Receipt Number: WR2010-0361	**Total Amount Paid:**	$265.00
Payer Name : ETIC Engineering, Inc.	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 5 Boreholes
Driller: Cascade Drilling, L.P. - Lic #: 938110 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0780	10/22/2010	02/15/2011	5	1.50 in.	25.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

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

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

4. Applicant shall contact assigned inspector listed on the top of the permit 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.

5. Permittee, 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.

6. 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.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.

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

Appendix C

Field Protocols

PROTOCOLS FOR INSTALLATION, SAMPLING, AND ABANDONMENT OF DUAL TUBE DIRECT PUSH BORING

SUBSURFACE CLEARANCE SURVEY PROCEDURES

Prior to drilling, the proposed location of borings are marked with white paint. Underground Service Alert (USA) is contacted prior to subsurface activities and a "ticket" is issued for this investigation. USA members will mark underground utilities in the delineated areas using standard color code identifiers.

Once USA has marked the site, the proposed borehole location is investigated by subsurface clearance surveys to identify possible buried hazards (pipelines, drums, tanks). Subsurface clearance surveys use several geophysical methods to locate shallow buried man-made objects. The geophysical methods include electromagnetic induction (EMI) profiling, ground penetrating radar (GPR), and/or magnetic surveying. The choice of methods depends on the target object and potential interference from surrounding features.

Prior to drilling, the boreholes are cleared of underground utilities to a depth of at least 4 feet below ground surface (bgs) in "non-critical zones" and to 8 feet bgs in "critical zones". Critical zones are defined as locations that are within 10 feet from the furthest edge of any underground storage tank (UST), within 10 feet of the product dispenser islands, the entire area between the UST field and the product dispenser islands, and within 10 feet of any suspected underground line. An 8- to 12-inch-diameter circle is cut in the surface cover at the boring location.

SOIL CORING PROCEDURES

Soil and groundwater samples are collected for lithologic and chemical analysis using a direct driven dual tube soil coring system. A hydraulic hammer drives sampling rods into the ground to collect continuous soil cores. Two nested sampling rods are driven simultaneously: small-diameter inner sampling rods are used to obtain and retrieve the soil cores; the larger diameter (approximately 2-inch OD) outer rods serve as temporary drive casing.

As the rods are advanced, soil is driven into an approximately 1.5-inch-diameter sample barrel that is attached to the end of the inner rods. Soil samples are collected in sleeves inside the sample barrel as both rods are advanced. The use of outer rods prevents sloughing of the formation while the inner rods are withdrawn from the hole. This ensures that the drive sampler will always be sampling soil from the desired interval, rather than potentially contaminated soil that has sloughed in from higher up in the hole.

After being driven 3 feet, the inner rods are removed from the borehole. The sleeves containing the soil samples are removed from the inner sample barrel, and are then preserved for chemical analyses or used for lithologic identification. The soil-filled liner is labeled with the bore number, sample depth, site location, date, and time. The samples are placed in bags and stored in a cooler containing ice. This process is repeated until the desired depth is reached.

When the sampler is retrieved, either the lowermost or middle sample liner is removed and the ends of the tube are covered with aluminum foil or a Teflon liner and sealed with plastic caps. Soil from

one of the liners is placed in a plastic bag. The soil is scanned with a flame ionization detector (FID) or a photo-ionization detector (PID).

All drive casing, inner sample barrels, inner rods, and tools are cleaned with Alconox or equivalent detergent and deionized water. All rinsate from the cleaning is contained in 55-gallon drums at the project site.

GROUNDWATER SAMPLING PROCEDURES

After the targeted water-bearing zone has been penetrated, the sample barrel and inner rods are removed from the borehole, and the drive casing is pulled up approximately 0.5 to 2 feet to allow groundwater to flow into the borehole. Small-diameter well casing with 0.010-inch slotted well screen or equivalent may be installed in the borehole to facilitate the collection of groundwater samples. Threaded sections of PVC are lowered into the borehole inside the drive casing. The drive casing is then pulled up to expose the slotted interval of the PVC. Groundwater samples are then collected with a bailer, peristaltic pump, bladder pump or inertial pump until adequate sample volume is obtained.

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

BOREHOLE GROUTING

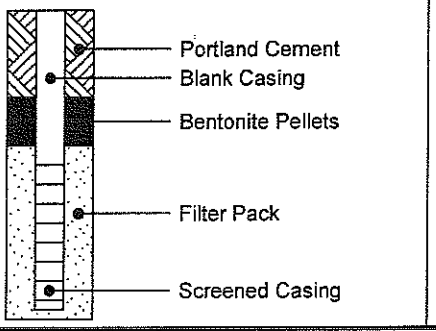
On completion of soil and water sampling, borehole is abandoned with a neat cement grout. The grout is pumped through a grouting tube positioned at the bottom of the borehole prior to withdrawing the outer rods.

Appendix D

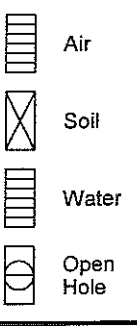
Soil Boring Logs

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

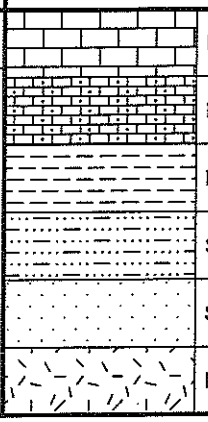
SYMBOLS



Samples



DRILL LOG ROCK TYPES



Limestone
Dolomite
Mudstone
Siltstone
Sandstone
Igneous

ETIC ENGINEERING

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

ETIC ENGINEERING

LOG OF SOIL BORING: **B1**

COORDINATES: N2135284.3 :E6046139.2
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Cascade Drilling
LICENSE NUMBER: C57-938110

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

DRILLING AND SAMPLING METHODS: Vacuum cleared to 8 feet below ground surface. Soil sampled at 5 feet below ground surface using 2-inch diameter by 6-inch long hand driven sampler. Drilled using a GeoProbe direct-push rig. Continuously sampled using a dual-tube system including a 5-ft long sampler with acetate liners.

				START	FINISH
WATER LEVEL ▽	NA				
TIME				TIME 1000	TIME 0930
DATE				DATE 11/17/10	DATE 11/18/10
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: Yuko Mamiya

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG
				0					AC/AB
				1					CL
				2					
				3					
				4					
6	6			5					
				6					ML
			0.0	7					
24	24			8					SC
			0.5	9					
				10					

ASPHALT from surface to 6 inches below ground surface.

AGGREGATE BASE from 6 inches to 1 foot below ground surface.

CLAY WITH SILT - olive brown (2.5Y 4/3), very stiff, low plasticity, moist.

SILT WITH CLAY - dark greenish gray (GLEY 1 4/10GY) soft, low plasticity to non-plastic, moist.

CLAYEY SAND - dark greenish gray (GLEY1 4/10GY), medium dense, fine grained, very moist to wet.

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/16/11

ETIC ENGINEERING	CLIENT	SITE NUMBER	LOCATION
	ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

LOG OF SOIL BORING:

B1

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
60	60								CL	**SILTY CLAY WITH SAND** - dark yellowish brown (10YR 4/6), medium stiff, low plasticity, medium grained sand, moist.
				11					SM	**SILTY SAND** - dark yellowish brown (10YR 4/6), medium dense, fine grained, slightly moist. **CLAY WITH SOME GRAVEL** - dark yellowish brown (10YR 4/6), stiff, low plasticity, subangular gravels up to 0.25 inch in diameter, very moist.
				12						
				13					CL	
				14						
				15					GC	**SANDY GRAVEL WITH SOME CLAY** - dark yellowish brown (10YR 4/6), medium dense, fine grained sand, subangular gravel up to 0.5 inch in diameter, moist. **CLAY WITH SILT** - dark yellowish brown (10YR 4/6), hard, low to medium plasticity, moist.
60	60									
				16						
				17						
				18						
				19					CL	
			0.3	20						- expansive clay.
36	36									
				21						
				22						

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/16/11

ETIC ENGINEERING	CLIENT	SITE NUMBER	LOCATION
	ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

LOG OF SOIL BORING: **B1**

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG
				23					
24	24								CL
			0.4	24					
				25					
				26					
				27					
				28					
				29					
				30					
				31					
				32					
				33					
				34					
				35					

Borehole terminated at 25 feet below ground surface. Borehole filled and sealed with neat cement.

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/16/11

ETIC ENGINEERING

LOG OF SOIL BORING: **B2**

COORDINATES: N2135308.4 :E6046133.7
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Cascade Drilling
LICENSE NUMBER: C57-938110

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

DRILLING AND SAMPLING METHODS: Vacuum cleared to 8 feet below ground surface. Soil sampled at 5 feet below ground surface using 2-inch diameter by 6-inch long hand driven sampler. Drilled using a GeoProbe direct-push rig. Continuously sampled using a dual-tube system including a 5-ft long sampler with acetate liners.

				START	FINISH
WATER LEVEL ▽	NA				
TIME				TIME 1115	TIME 0945
DATE					
REFERENCE				DATE 11/17/10	DATE 11/19/10

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: Yuko Mamiya

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE RECOVERED	GRAPHIC LOG
				0				AC/AB
				1				CL
				2				
				3				
				4				
6	6			5				
				6				
			0.0	7				
12	12			8				
			0.4	9				CL
				10				

ASPHALT from surface to 6 inches below ground surface.

AGGREGATE BASE from 6 inches to 1 foot below ground surface.

CLAY WITH SILT - olive brown (2.5Y 4/3), very stiff, low to medium plasticity, moist.

- plant roots up to 1 inch long.

- becoming mottled olive brown and dark greenish gray.

SILTY CLAY WITH SAND - olive brown (2.5Y 4/3), medium stiff, low plasticity, fine grained sand, very moist to wet.

- becoming dark yellowish brown (10YR 4/6), soft, moist.

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/16/11

ETIC ENGINEERING	CLIENT	SITE NUMBER	LOCATION
	ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

LOG OF SOIL BORING: **B2**

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
60				11	CL	
				12		- becoming very moist.
	36			13		- increasing silt content, moist.
				14	CL	**SILTY CLAY** - dark olive brown (2.5Y 3/3), soft, low plasticity, moist.
				15		
30	30			16	CL	**SANDY CLAY WITH SILT AND GRAVEL** - dark yellowish brown (10YR 4/6), hard, low plasticity, fine to coarse grained sand, subangular gravel up to 0.5 inch in diameter, slightly moist.
				17		- becoming very moist.
30	30			18	CL	- increasing clay content, hard, slightly moist.
				19		**CLAY WITH SOME SILT** - dark yellowish brown (10YR 4/6), very stiff to hard, low to medium plasticity, slightly moist.
				20		Borehole terminated at 20 feet below ground surface. Borehole filled and sealed with neat cement.
				21		
				22		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/16/11

ETIC ENGINEERING

LOG OF SOIL BORING: **B3**

COORDINATES: N2135323.3 :E6046129.8
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Cascade Drilling
LICENSE NUMBER: C57-938110

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

DRILLING AND SAMPLING METHODS: Vacuum cleared to 8 feet below ground surface. Soil sampled at 5 feet below ground surface using 2-inch diameter by 6-inch long hand driven sampler. Drilled using a GeoProbe direct-push rig. Continuously sampled using a dual-tube system including a 5-ft long sampler with acetate liners.

				START	FINISH
WATER LEVEL	▽ 9.4	▼ 8.45			
TIME	0816	1218		TIME 1300	TIME 1030
DATE	11/19/10	11/19/10		DATE 11/17/10	DATE 11/19/10
REFERENCE	GS	GS			

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: Yuko Mamiya

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
				0	AC/AB	**ASPHALT** from surface to 6 inches below ground surface.
				1	AC/AB	**AGGREGATE BASE** from 6 inches to 1 foot below ground surface.
				1	CL	**CLAY WITH SILT** - olive brown (2.5Y 4/3), very stiff, low to medium plasticity, moist.
				2	CL	
				3	CL	- with trace fine grained sand, soft.
				4	CL	
6	6			5	CL	- diminishing sand content, very stiff, moist.
				6	CL	
				7	CL	
				8	CL	- increasing sand content, very moist.
18	18		0.3	9	CL	
				10	CL	

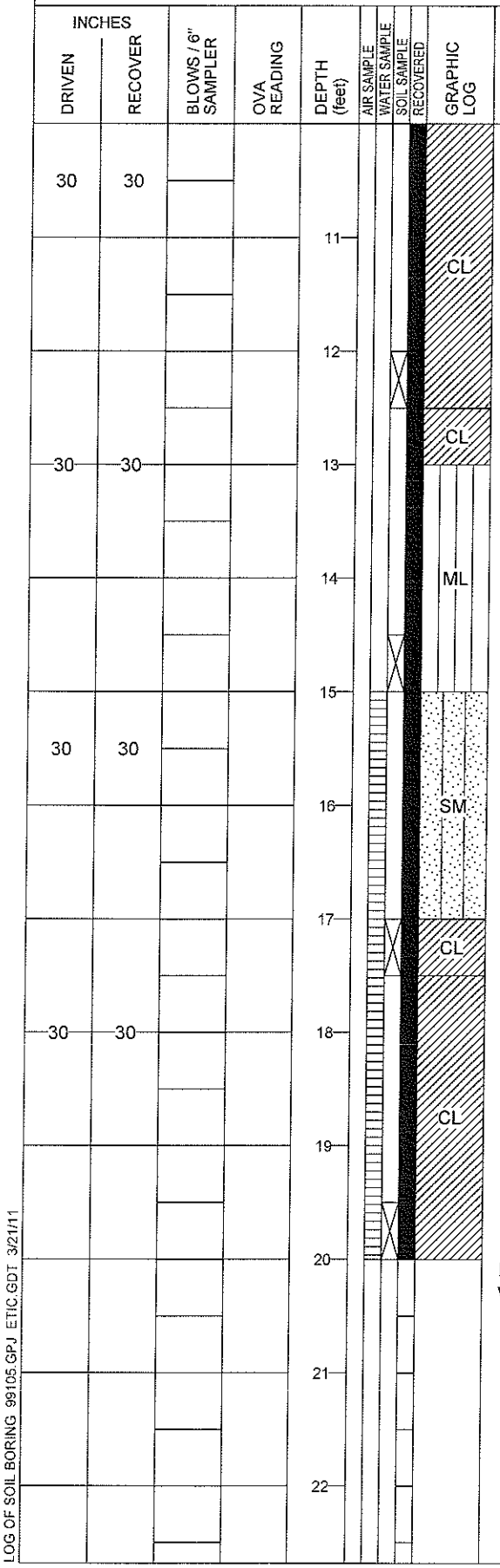
AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/21/11

ETIC ENGINEERING	CLIENT	SITE NUMBER	LOCATION
	ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

LOG OF SOIL BORING:

B3



SANDY CLAY WITH SILT - olive brown (2.5Y 4/3), soft, low plasticity, fine grained sand, very moist.

- increasing silt content, moist.

CLAY WITH SILT - light olive brown (2.5Y 4/3), medium stiff, low to medium plasticity, moist.

SILT WITH CLAY - dark olive brown (2.5Y 3/3), soft, low plasticity, very moist to wet.

- increasing clay content.

SILTY SAND WITH CLAY - dark olive brown (2.5Y 3/3), medium dense, fine grained, very moist to wet.

SANDY CLAY WITH SOME GRAVEL - olive brown (2.5Y 4/3), soft, low plasticity, fine to coarse grained sand, subangular gravel up to 0.5 inch in diameter, moist to very moist.
CLAY WITH SOME SILT - dark yellowish brown (10YR 4/6), very stiff to hard, low to medium plasticity, moist.

Borehole terminated at 20 feet below ground surface. Borehole filled and sealed with neat cement.

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/21/11

ETIC ENGINEERING

LOG OF SOIL BORING: **B4**

COORDINATES: N2135355.4 :E6046122.4
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Cascade Drilling
LICENSE NUMBER: C57-938110

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

DRILLING AND SAMPLING METHODS: Vacuum cleared to 8 feet below ground surface. Soil sampled at 5 feet below ground surface using 2-inch diameter by 6-inch long hand driven sampler. Drilled using a GeoProbe direct-push rig. Continuously sampled using a dual-tube system including a 5-ft long sampler with acetate liners.

				START	FINISH
WATER LEVEL ▽	NA				
TIME				TIME 1400	TIME 1045
DATE				DATE 11/17/10	DATE 11/19/10
REFERENCE					

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: Yuko Mamiya

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	WATER SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG	
				0					AC/AB	**ASPHALT** from surface to 6 inches below ground surface.
										AGGREGATE BASE from 6 inches to 1 foot below ground surface.
				1					CL	**SILTY CLAY** - black (2.5Y 2.5/1), soft, low to medium plasticity, moist.
										CLAY WITH SOME SILT - olive (5Y 4/3), hard, low to medium plasticity, moist.
				2					CL	- becoming slightly moist, trace fine grained sand.
				3					CL	**SANDY CLAY** - dark greenish gray (GLEY 4/10GY), soft, low plasticity, fine to coarse grained sand, slightly moist to moist.
				4						**CLAY WITH SOME SILT** - olive (5Y 4/3), very stiff, low to medium plasticity, moist.
6	6			5						
				6					CL	
			0.0	7						
24	24			8					CL	**SILTY CLAY WITH TRACE SAND** - olive (5Y 4/3), medium stiff, low plasticity, fine grained sand, moist.
			0.3	9					CL	**SANDY CLAY** - light olive brown (2.Y 5/3), soft, low plasticity, fine grained sand, moist to very moist.
				10						

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/21/11

ETIC ENGINEERING	CLIENT	SITE NUMBER	LOCATION
	ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

LOG OF SOIL BORING:

B4

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
60						**CLAYEY SILT WITH TRACE SAND** - olive brown (2.5Y 4/3), medium stiff, low plasticity, fine grained sand, moist.
	48			11	ML	
				12		**SILTY CLAY** - dark olive brown (2.5Y 3/3), medium stiff, low plasticity, moist.
				13	CL	
				14		- with trace fine grained sand.
				15		**SANDY CLAY WITH SOME GRAVEL** - dark yellowish brown (10YR 4/6), low plasticity, fine to coarse grained sand, subrounded gravel up to 0.5 inch in diameter, slightly moist.
30	30			16	CL	- becoming very moist.
				17		- diminishing gravel content, moist.
30	30			18	CL	**SILTY CLAY WITH TRACE SAND** - dark yellowish brown (10YR 4/6), soft to medium stiff, low plasticity, fine grained sand, moist.
					CL	**SANDY CLAY WITH SOME GRAVEL** - dark yellowish brown (10YR 4/6), low plasticity, fine to coarse grained sand, subrounded gravel up to 0.5 inch in diameter, slightly moist.
				19	GC	**SANDY GRAVEL WITH SILT AND SOME CLAY** - dark yellowish brown (10YR 4/6), medium dense, fine to coarse grained sand, subangular gravel up to 1 inch in diameter, moist.
					CL	**CLAY WITH SOME SILT** - dark yellowish brown (10YR 4/6), hard, low plasticity, moist.
				20		Borehole terminated at 20 feet below ground surface. Borehole filled and sealed with neat cement.
				21		
				22		

AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/21/11

ETIC ENGINEERING

LOG OF SOIL BORING: **B5**

COORDINATES: N2135381.7 :E6046116.4
ELEVATION TOP OF CASING:
CASING BELOW SURFACE:

DRILLING COMPANY: Cascade Drilling
LICENSE NUMBER: C57-938110

CLIENT	SITE NUMBER	LOCATION
ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

DRILLING AND SAMPLING METHODS: Vacuum cleared to 8 feet below ground surface. Soil sampled at 5 feet below ground surface using 2-inch diameter by 6-inch long hand driven sampler. Drilled using a GeoProbe direct-push rig. Continuously sampled using a dual-tube system including a 5-ft long sampler with acetate liners.

				START	FINISH
WATER LEVEL	▽ 8.95				
TIME	1235			TIME 1500	TIME 1145
DATE	11/19/10			DATE 11/17/10	DATE 11/19/10
REFERENCE	GS				

SURFACE CONDITIONS: Asphalt

DESCRIPTION BY: Yuko Mamiya

INCHES DRIVEN	INCHES RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	GRAPHIC LOG	
				0	AC/AB	**ASPHALT** from surface to 6 inches below ground surface.
						AGGREGATE BASE from 6 inches to 1 foot below ground surface.
				1	CL	**CLAY WITH SILT** - olive brown (2.5Y 4/3), stiff, low to medium plasticity, moist.
				2		
				3	CL	**SANDY CLAY** - dark yellowish brown (10YR 4/6), soft, low plasticity, medium to coarse grained sand, moist.
				4		
				5	CL	**SILTY CLAY WITH SAND** - olive brown (2.5Y 4/3), stiff, low plasticity, fine grained sand, moist.
6	6					**CLAY WITH SOME SILT** - light olive brown (2.5Y 5/3), very stiff to hard, low to medium plasticity, moist.
				6	CL	
			0.0	7		- increasing silt content.
24	24			8	CL	**SILTY CLAY WITH SAND** - light olive brown (2.5Y 5/3), very stiff, low plasticity, fine grained sand, moist.
				▽ 9		
				10		

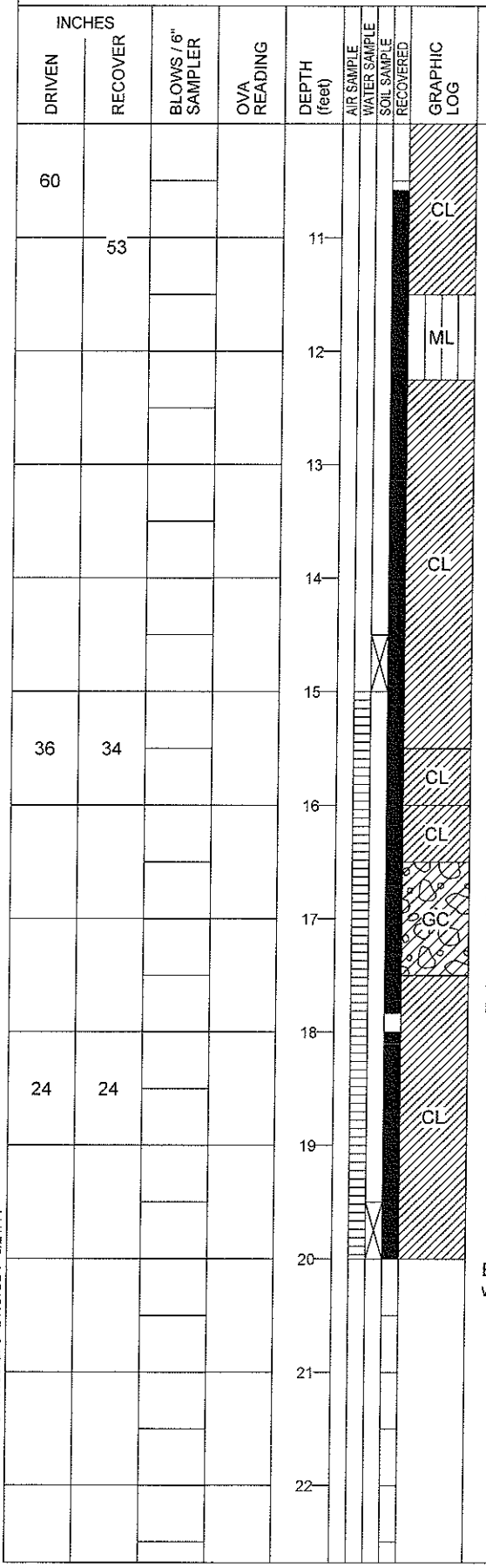
AIR SAMPLE | WATER SAMPLE | SOIL SAMPLE | RECOVERED

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/21/11

ETIC ENGINEERING	CLIENT	SITE NUMBER	LOCATION
	ExxonMobil	99105	6301 San Pablo Ave. Oakland, California

LOG OF SOIL BORING:

B5



SANDY SILT WITH SOME CLAY - dark yellowish brown (10YR 4/6), soft to medium stiff, low plasticity to non-plastic, fine grained sand, moist to very moist.

SILTY CLAY WITH SAND - light olive brown (2.5Y 5/3), very stiff, low plasticity, moist.

- some subangular gravel up to 1 inch in diameter.

SANDY CLAY - dark yellowish brown (10YR 4/6), soft, low plasticity, fine grained sand, very moist.

SANDY CLAY WITH GRAVEL - dark yellowish brown (10YR 4/6), hard, low plasticity, fine to coarse grained sand, subangular gravel up to 0.5 inch in diameter, very moist.

CLAYEY GRAVEL WITH SAND - dark yellowish brown (10YR 4/6), medium dense, fine to coarse grained sand, subangular gravel up to 0.75 inch in diameter, very moist.

CLAY WITH SOME SILT - dark yellowish brown (10YR 4/6), hard, low to medium plasticity, moist.

Borehole terminated at 20 feet below ground surface. Borehole filled and sealed with neat cement.

LOG OF SOIL BORING 99105.GPJ ETIC.GDT 3/21/11

Appendix E

Laboratory Analytical Reports and Chain-of-Custody Documentation

Calscience
Environmental
Laboratories, Inc.

December 06, 2010

Hamidou Barry
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523-1850

Subject: **Calscience Work Order No.: 10-11-1709**
Client Reference: ExxonMobil 99105

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/20/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@5.0-5.5	**10-11-1709-1-A**	**11/17/10 10:43**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 20:09**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@5.0-5.5	**10-11-1709-2-A**	**11/17/10 11:50**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 20:23**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@5.0-5.5	**10-11-1709-3-A**	**11/17/10 13:45**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 20:38**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@5.0-5.5	**10-11-1709-4-A**	**11/17/10 15:00**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 20:53**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@5.0-5.5	**10-11-1709-5-A**	**11/17/10 15:50**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 21:08**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@9.5-10.0	**10-11-1709-6-A**	**11/18/10 08:50**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 21:23**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@14.5-15.0	**10-11-1709-7-A**	**11/18/10 08:55**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 21:38**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@19.5-20.0	**10-11-1709-8-A**	**11/18/10 09:00**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 21:53**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@24.5-25.0	**10-11-1709-9-A**	**11/18/10 09:15**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 22:08**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@8.5-9.0	**10-11-1709-10-A**	**11/18/10 09:41**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 22:23**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@9.5-10.0	**10-11-1709-11-A**	**11/18/10 10:28**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 22:53**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@9.5-10.0	**10-11-1709-12-A**	**11/18/10 10:45**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 23:08**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	61-145	

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/20/10
2285 Morello Avenue	Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@9.5-10.0	**10-11-1709-13-A**	**11/18/10 11:10**	**Solid**	**GC 48**	**11/22/10**	**11/22/10 23:22**	**101122B06S**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

Method Blank	099-12-275-3,769	N/A	Solid	GC 48	11/22/10	11/22/10 18:09	101122B06S

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@5.0-5.5	**10-11-1709-1-A**	**11/17/10 10:43**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 02:11**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@5.0-5.5	**10-11-1709-2-A**	**11/17/10 11:50**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 02:45**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	70	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@5.0-5.5	**10-11-1709-3-A**	**11/17/10 13:45**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 03:18**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	70	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@5.0-5.5	**10-11-1709-4-A**	**11/17/10 15:00**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 03:52**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	72	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@5.0-5.5	**10-11-1709-5-A**	**11/17/10 15:50**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 04:59**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	69	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@9.5-10.0	**10-11-1709-6-A**	**11/18/10 08:50**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 05:32**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@14.5-15.0	**10-11-1709-7-A**	**11/18/10 08:55**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 06:05**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@19.5-20.0	**10-11-1709-8-A**	**11/18/10 09:00**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 06:38**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/20/10
2285 Morello Avenue	Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@24.5-25.0	**10-11-1709-9-A**	**11/18/10 09:15**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 07:11**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	69	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@8.5-9.0	**10-11-1709-10-A**	**11/18/10 09:41**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 08:51**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	69	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@9.5-10.0	**10-11-1709-11-A**	**11/18/10 10:28**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 09:25**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	70	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@9.5-10.0	**10-11-1709-12-A**	**11/18/10 10:45**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 09:58**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	69	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@9.5-10.0	**10-11-1709-13-A**	**11/18/10 11:10**	**Solid**	**GC 24**	**11/23/10**	**11/25/10 10:31**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	69	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,120**	**N/A**	**Solid**	**GC 24**	**11/23/10**	**11/24/10 19:27**	**101123B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	70	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@5.0-5.5	10-11-1709-1-A	11/17/10 10:43	Solid	GC/MS XX	11/20/10	11/23/10 03:56	101122L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	104	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	100	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@5.0-5.5	10-11-1709-2-A	11/17/10 11:50	Solid	GC/MS XX	11/20/10	11/23/10 04:25	101122L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	99	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	99	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/20/10
2285 Morello Avenue	Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg
Project: ExxonMobil 99105		Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@5.0-5.5	**10-11-1709-3-A**	**11/17/10 13:45**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 04:53**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@5.0-5.5	**10-11-1709-4-A**	**11/17/10 15:00**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 05:22**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	63-141		1,2-Dichloroethane-d4	107	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/20/10
2285 Morello Avenue	Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg
Project: ExxonMobil 99105		Page 3 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@5.0-5.5	**10-11-1709-5-A**	**11/17/10 15:50**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 05:51**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	98	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@9.5-10.0	**10-11-1709-6-A**	**11/18/10 08:50**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 06:19**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 4 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@14.5-15.0	**10-11-1709-7-A**	**11/18/10 08:55**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 06:48**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@19.5-20.0	**10-11-1709-8-A**	**11/18/10 09:00**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 07:17**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1@24.5-25.0	**10-11-1709-9-A**	**11/18/10 09:15**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 02:02**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	104	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	100	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@8.5-9.0	**10-11-1709-10-A**	**11/18/10 09:41**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 07:45**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	97	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@9.5-10.0	**10-11-1709-11-A**	**11/18/10 10:28**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 08:14**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@9.5-10.0	**10-11-1709-12-A**	**11/18/10 10:45**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 08:43**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	97	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@9.5-10.0	**10-11-1709-13-A**	**11/18/10 11:10**	**Solid**	**GC/MS XX**	**11/20/10**	**11/23/10 09:11**	**101122L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	63-141		1,2-Dichloroethane-d4	104	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	97	60-132	

Method Blank	099-12-796-4,188	N/A	Solid	GC/MS XX	11/22/10	11/23/10 01:33	101122L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	63-141		1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	99	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.	Date Received:	11/20/10
2285 Morello Avenue	Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B5@5.0-5.5	**Solid**	**GC 48**	**11/22/10**	**11/22/10**	**101122S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	66	67	64-130	2	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1@24.5-25.0	**Solid**	**GC 24**	**11/23/10**	**11/25/10**	**101123S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	103	103	48-114	0	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1@24.5-25.0	Solid	GC/MS XX	11/20/10	11/23/10	101122S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	61	63	61-127	3	0-20	
Carbon Tetrachloride	60	63	51-135	6	0-29	
Chlorobenzene	59	60	57-123	2	0-20	
1,2-Dibromoethane	65	62	64-124	6	0-20	3
1,2-Dichlorobenzene	57	56	35-131	3	0-25	
1,2-Dichloroethane	63	60	80-120	5	0-20	3
1,1-Dichloroethene	56	60	47-143	6	0-25	
Ethylbenzene	58	60	57-129	4	0-22	
Toluene	62	63	63-123	2	0-20	3
Trichloroethene	59	61	44-158	4	0-20	
Vinyl Chloride	77	83	49-139	7	0-47	
Methyl-t-Butyl Ether (MTBE)	65	59	57-123	10	0-21	
Tert-Butyl Alcohol (TBA)	55	53	30-168	4	0-34	
Diisopropyl Ether (DIPE)	62	59	57-129	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	65	61	55-127	6	0-20	
Tert-Amyl-Methyl Ether (TAME)	67	61	58-124	9	0-20	
Ethanol	56	52	17-167	9	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,769	Solid	GC 48	11/22/10	11/22/10	101122B06S

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	107	104	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,120	**Solid**	**GC 24**	**11/23/10**	**11/24/10**	**101123B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	105	106	70-124	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1709
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-4,188	Solid	GC/MS XX	11/22/10	11/22/10	101122L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	92	93	78-120	71-127	2	0-20	
Carbon Tetrachloride	94	95	49-139	34-154	1	0-20	
Chlorobenzene	92	94	79-120	72-127	2	0-20	
1,2-Dibromoethane	97	99	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	93	93	75-120	68-128	0	0-20	
1,2-Dichloroethane	91	93	80-120	73-127	2	0-20	
1,1-Dichloroethene	81	83	74-122	66-130	2	0-20	
Ethylbenzene	93	94	76-120	69-127	1	0-20	
Toluene	94	95	77-120	70-127	1	0-20	
Trichloroethene	91	93	80-120	73-127	2	0-20	
Vinyl Chloride	84	86	68-122	59-131	2	0-20	
Methyl-t-Butyl Ether (MTBE)	99	101	77-120	70-127	2	0-20	
Tert-Butyl Alcohol (TBA)	102	107	68-122	59-131	5	0-20	
Diisopropyl Ether (DIPE)	96	98	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	104	78-120	71-127	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	105	106	75-120	68-128	1	0-20	
Ethanol	84	99	56-140	42-154	16	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-11-1709

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS recovery percentage is within LCS ME control limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY

GARDEN GROVE, CA 92841-1432

TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name

Provide MRN for retail or AFE for major projects

Retail Project (MRN)	
Major Project (AFE)	E1.1996.60135
Project Name	Former Mobil 99105

CHAIN OF CUSTODY RECORD

DATE: 11/18/2010

PAGE: 1 OF 2

ExxonMobil Engr:

LABORATORY CLIENT: ExxonMobil c/o ETIC Engineering

ADDRESS: 2285 Morello Avenue

CITY: Pleasant Hill, CA 94523

TEL: 925-602-4710 Ext. 34 FAX: 925-602-4720

GLOBAL ID #/ COELT LOG CODE: GLOBAL ID# T0600101855

P.O. 4512012692

PROJECT CONTACT: Hamidou Barry, ETIC Engineering, Inc.

SAMPLER(S): (SIGNATURE) [signature]

LAB USE ONLY: 11-1709

COOLER RECEIPT Temp = _______ °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS:

edf file required, GLOBAL ID# T0600101855
email report to eticlabreports@eticeng.com
*** 7 Oxygenates include MTBE, TBA, TAME, ETBE, DIPE, EDB, AND 1,2-DCA.**

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH-g/TPH-d BY 8015B(M)	BTEX BY 8260B	7 OXYGENATES* BY 8260B	CONTAINER TYPE
1	B1@5.0-5.5		11/17/10	1043	Soil	1	X	X	X	6" ss sleeve
2	B2@5.0-5.5		↓	1150	↓	1	X	X	X	↓
3	B3@5.0-5.5		↓	1345	↓	1	X	X	X	↓
4	B4@5.0-5.5		↓	1500	↓	1	X	X	X	↓
5	B5@5.0-5.5		↓	1550	↓	1	X	X	X	↓

Relinquished by: (Signature)	Received by: (Signature)	Date & Time:
[signature]	To [signature] CEL	11/19/10 1410
[signature] to GSO 11/19/10 1730	[signature] CEL	11/20/10 0930

COC\99105 COC_soil

Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	E1.1996.60135
Project Name	Former Mobil 99105

CHAIN OF CUSTODY RECORD

DATE: 11/18/2010
PAGE: 2 OF 2

ExxonMobil Engr:

LABORATORY CLIENT:
ExxonMobil c/o ETIC Engineering

ADDRESS:
2285 Morello Avenue

CITY:
Pleasant Hill, CA 94523

TEL: **925-602-4710 Ext. 34** FAX: **925-602-4720**

GLOBAL ID #/ COELT LOG CODE:
GLOBAL ID# T0600101855

PROJECT CONTACT:
Hamidou Barry, ETIC Engineering, Inc.

SAMPLER(S): (SIGNATURE)

P.O.
4512012692

LAB USE ONLY: 1 1 - 1 7 0 9

COOLER RECEIPT Temp = ____ °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
edf file required, GLOBAL ID# T0600101855
email report to eticlabreports@eticeng.com
*** 7 Oxygenates include MTBE, TBA, TAME, ETBE, DIPE, EDB, AND 1,2-DCA.**

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH-g/TPH-d BY 8015B(M)	BTEX BY 8260B	7 OXYGENATES* BY 8260B	CONTAINER TYPE
6	B1@9.5-10.0		11/18/10	0850	Soil	1	X	X	X	Acetate ~~6" sleeve~~ sleeve
7	B1@14.5-15.0			0855		1	X	X	X	~~Acetate~~ sleeve
8	B1@19.5-20.0			0900		1	X	X	X	
9	B1@24.5-25.0			0915		1	X	X	X	
10	B2@8.5-9.0			0941		1	X	X	X	
11	B3@9.5-10.0			1028		1	X	X	X	
12	B4@9.5-10.0			1045		1	X	X	X	
13	B5@9.5-10.0			1110		1	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
	To Molly CEL	11/19/10 1410
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
to GSO 11/19/10 1730	CEL	11/20/10 0930
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
COC\99105 COC soil		

(5)

1709

GSO

WebShip > > > > >
800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
ETIC,CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515398969

SDS

ORC

D

GARDEN GROVE

D92843A

86499203

Print Date : 11/19/10 14:45 PM

Package 1 of 1

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-1209

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ETIC

DATE: 11/20/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.1 °C + 0.5 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: YL

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: TN

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (S/P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** TN

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:**

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:**

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-1709

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Samples labeled as:
(-2) B2 5-5.5
(-3) B3 5-5.5'
(-4) B4 5-5.5
(-7) B1 14.5-15
(-8) B1 19.5-20
(-9) B1 24.5-25
(-13) B5 9.5-10

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: 11 / /10

Calscience
Environmental
Laboratories, Inc.

December 09, 2010

Hamidou Barry
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523-1850

Subject: **Calscience Work Order No.: 10-11-1824**
Client Reference: ExxonMobil 99105

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/23/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@12.0-12.5	10-11-1824-1-A	11/19/10 09:05	Solid	GC 45	11/24/10	11/24/10 21:05	101124B11

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@19.5-20.0	10-11-1824-2-A	11/19/10 09:20	Solid	GC 45	11/24/10	11/24/10 21:21	101124B11

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@14.5-15.0	10-11-1824-3-A	11/19/10 09:10	Solid	GC 45	11/24/10	11/24/10 21:37	101124B11

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@17.0-17.5	10-11-1824-4-A	11/19/10 09:15	Solid	GC 45	11/24/10	11/24/10 21:52	101124B11

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@14.5-15.0	**10-11-1824-5-A**	**11/19/10 09:55**	**Solid**	**GC 45**	**11/24/10**	**11/24/10 22:08**	**101124B11**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@19.5-20.0	**10-11-1824-6-A**	**11/19/10 10:00**	**Solid**	**GC 45**	**11/24/10**	**11/24/10 22:23**	**101124B11**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@14.5-15.0	**10-11-1824-7-A**	**11/19/10 10:19**	**Solid**	**GC 45**	**11/24/10**	**11/24/10 22:38**	**101124B11**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@19.5-20.0	**10-11-1824-8-A**	**11/19/10 10:20**	**Solid**	**GC 45**	**11/24/10**	**11/24/10 22:54**	**101124B11**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@14.5-15.0	**10-11-1824-9-A**	**11/19/10 10:55**	**Solid**	**GC 45**	**11/24/10**	**11/24/10 23:09**	**101124B11**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@19.5-20.0	**10-11-1824-10-A**	**11/19/10 11:00**	**Solid**	**GC 45**	**11/24/10**	**11/24/10 23:25**	**101124B11**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-275-3,773**	**N/A**	**Solid**	**GC 45**	**11/24/10**	**11/24/10 16:43**	**101124B11**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	5.0	4.8	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	87	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@12.0-12.5	10-11-1824-1-A	11/19/10 09:05	Solid	GC 22	11/24/10	11/24/10 23:31	101124B01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@19.5-20.0	10-11-1824-2-A	11/19/10 09:20	Solid	GC 22	11/24/10	11/24/10 00:03	101124B01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	79	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@14.5-15.0	10-11-1824-3-A	11/19/10 09:10	Solid	GC 22	11/24/10	11/24/10 00:36	101124B01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@17.0-17.5	10-11-1824-4-A	11/19/10 09:15	Solid	GC 22	11/24/10	11/25/10 01:08	101124B01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/23/10
2285 Morello Avenue	Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@14.5-15.0	**10-11-1824-5-A**	**11/19/10 09:55**	**Solid**	**GC 22**	**11/24/10**	**11/24/10 21:53**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@19.5-20.0	**10-11-1824-6-A**	**11/19/10 10:00**	**Solid**	**GC 22**	**11/24/10**	**11/25/10 01:41**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@14.5-15.0	**10-11-1824-7-A**	**11/19/10 10:19**	**Solid**	**GC 22**	**11/24/10**	**11/25/10 02:13**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@19.5-20.0	**10-11-1824-8-A**	**11/19/10 10:20**	**Solid**	**GC 22**	**11/24/10**	**11/25/10 02:46**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@14.5-15.0	**10-11-1824-9-A**	**11/19/10 10:55**	**Solid**	**GC 22**	**11/24/10**	**11/25/10 03:18**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg
Surrogates:	REC (%)	Control Limits			Qual	
1,4-Bromofluorobenzene	78	42-126				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@19.5-20.0	**10-11-1824-10-A**	**11/19/10 11:00**	**Solid**	**GC 22**	**11/24/10**	**11/25/10 03:51**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg
Surrogates:	REC (%)	Control Limits			Qual	
1,4-Bromofluorobenzene	90	42-126				

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,118**	**N/A**	**Solid**	**GC 22**	**11/24/10**	**11/24/10 13:09**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg
Surrogates:	REC (%)	Control Limits			Qual	
1,4-Bromofluorobenzene - FID	87	42-126				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@12.0-12.5	**10-11-1824-1-A**	**11/19/10 09:05**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 19:11**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	63-141		1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	103	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@19.5-20.0	**10-11-1824-2-A**	**11/19/10 09:20**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 19:39**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	63-141		1,2-Dichloroethane-d4	112	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	101	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/23/10
2285 Morello Avenue	Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg
Project: ExxonMobil 99105		Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@14.5-15.0	**10-11-1824-3-A**	**11/19/10 09:10**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 20:07**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	63-141		1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	105	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3@17.0-17.5	**10-11-1824-4-A**	**11/19/10 09:15**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 20:36**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	112	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	101	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/23/10
2285 Morello Avenue	Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg
Project: ExxonMobil 99105		Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@14.5-15.0	10-11-1824-5-A	11/19/10 09:55	Solid	GC/MS FF	11/29/10	11/29/10 14:56	101129L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	63-141		1,2-Dichloroethane-d4	107	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	101	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2@19.5-20.0	10-11-1824-6-A	11/19/10 10:00	Solid	GC/MS FF	11/29/10	11/29/10 21:04	101129L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	63-141		1,2-Dichloroethane-d4	115	62-146	
Toluene-d8	103	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@14.5-15.0	**10-11-1824-7-A**	**11/19/10 10:19**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 21:32**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	63-141		1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	103	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4@19.5-20.0	**10-11-1824-8-A**	**11/19/10 10:20**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 22:00**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	63-141		1,2-Dichloroethane-d4	116	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	102	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@14.5-15.0	**10-11-1824-9-A**	**11/19/10 10:55**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 22:29**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	63-141		1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	101	80-120		1,4-Bromofluorobenzene	103	60-132	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5@19.5-20.0	**10-11-1824-10-A**	**11/19/10 11:00**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 22:57**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	63-141		1,2-Dichloroethane-d4	117	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	103	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-4,207**	**N/A**	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10 14:28**	**101129L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.0050	0.00025	1	U
1,2-Dibromoethane	ND	0.0050	0.00025	1	U	Tert-Butyl Alcohol (TBA)	ND	0.050	0.022	1	U
1,2-Dichloroethane	ND	0.0050	0.00026	1	U	Diisopropyl Ether (DIPE)	ND	0.010	0.00034	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.010	0.00028	1	U
Toluene	ND	0.0050	0.00029	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.010	0.00026	1	U
Xylenes (total)	ND	0.0050	0.00032	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	63-141		1,2-Dichloroethane-d4	105	62-146	
Toluene-d8	102	80-120		1,4-Bromofluorobenzene	101	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.	Date Received:	11/23/10
2285 Morello Avenue	Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-1917-2	Solid	GC 45	11/24/10	11/24/10	101124S11

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	98	98	64-130	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B2@14.5-15.0	**Solid**	**GC 22**	**11/24/10**	**11/24/10**	**101124S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	121	123	48-114	2	0-23	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B2@14.5-15.0	**Solid**	**GC/MS FF**	**11/29/10**	**11/29/10**	**101129S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	97	61-127	3	0-20	
Carbon Tetrachloride	108	119	51-135	9	0-29	
Chlorobenzene	85	89	57-123	4	0-20	
1,2-Dibromoethane	90	95	64-124	5	0-20	
1,2-Dichlorobenzene	83	86	35-131	4	0-25	
1,2-Dichloroethane	99	101	80-120	1	0-20	
1,1-Dichloroethene	102	111	47-143	9	0-25	
Ethylbenzene	89	95	57-129	6	0-22	
Toluene	90	92	63-123	3	0-20	
Trichloroethene	92	95	44-158	4	0-20	
Vinyl Chloride	114	112	49-139	2	0-47	
Methyl-t-Butyl Ether (MTBE)	90	97	57-123	8	0-21	
Tert-Butyl Alcohol (TBA)	99	110	30-168	10	0-34	
Diisopropyl Ether (DIPE)	95	103	57-129	8	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	100	55-127	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	91	95	58-124	4	0-20	
Ethanol	107	117	17-167	9	0-47	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.	Date Received: N/A
2285 Morello Avenue	Work Order No: 10-11-1824
Pleasant Hill, CA 94523-1850	Preparation: EPA 3550B
	Method: EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-3,773	Solid	GC 45	11/24/10	11/24/10	101124B11

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	89	89	75-123	0	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,118	Solid	GC 22	11/24/10	11/24/10	101124B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	96	96	70-124	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1824
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-4,207	Solid	GC/MS FF	11/29/10	11/29/10	101129L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	101	99	78-120	71-127	2	0-20	
Carbon Tetrachloride	119	119	49-139	34-154	0	0-20	
Chlorobenzene	93	93	79-120	72-127	1	0-20	
1,2-Dibromoethane	98	98	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	92	92	75-120	68-128	0	0-20	
1,2-Dichloroethane	103	103	80-120	73-127	0	0-20	
1,1-Dichloroethene	107	107	74-122	66-130	0	0-20	
Ethylbenzene	96	97	76-120	69-127	1	0-20	
Toluene	96	97	77-120	70-127	1	0-20	
Trichloroethene	99	100	80-120	73-127	1	0-20	
Vinyl Chloride	109	110	68-122	59-131	1	0-20	
Methyl-t-Butyl Ether (MTBE)	101	100	77-120	70-127	0	0-20	
Tert-Butyl Alcohol (TBA)	97	98	68-122	59-131	1	0-20	
Diisopropyl Ether (DIPE)	102	102	78-120	71-127	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	100	101	78-120	71-127	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	98	75-120	68-128	1	0-20	
Ethanol	96	101	56-140	42-154	5	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-11-1824

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS recovery percentage is within LCS ME control limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY

GARDEN GROVE, CA 92841-1432

TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects:	
Retail Project (MRN)	
Major Project (AFE)	E1.1996.60135
Project Name	Former Mobil 99105

CHAIN OF CUSTODY RECORD

DATE: 11/19/2010

PAGE: 1 OF 1

ExxonMobil Engr:

LABORATORY CLIENT:
ExxonMobil c/o ETIC Engineering

ADDRESS:
2285 Morello Avenue

CITY:
Pleasant Hill, CA 94523

TEL: **925-602-4710 Ext. 34** FAX: **925-602-4720**

GLOBAL ID # / COELT LOG CODE:
GLOBAL ID# T0600101855

PROJECT CONTACT:
Hamidou Barry, ETIC Engineering, Inc.

SAMPLER(S): (SIGNATURE)

P.O.
4512012692

LAB USE ONLY
11-1624

COOLER RECEIPT
Temp = ____ °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:

edf file required, GLOBAL ID# T0600101855
email report to eticlabreports@eticeng.com
*** 7 Oxygenates include MTBE, TBA, TAME, ETBE, DIPE, EDB, AND 1,2-DCA.**

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH-g/TPH-d BY 8015B(M)	BTEX BY 8260B	7 OXYGENATES* BY 8260B	CONTAINER TYPE
1	B3@12.0-12.5		11/19/10	0905	Soil	1	X	X	X	Acetate ~~6" co sleeve~~ Liner
2	B3@19.5-20.0			0920						Acetate Liner
3	B3@14.5-15.0			0910						
4	B3@17.0-17.5			0915						
5	B2@14.5-15.0			0955						
6	B2@19.5-20.0			1000						
7	B4@14.5-15.0			1019						
8	B4@19.5-20.0			1020						
9	B5@14.5-15.0			1055						
10	B5@19.5-20.0			1100						

Relinquished by: (Signature)	Received by: (Signature) T. O'Malley CEC	Date, & Time: 11/22/10 1415
Relinquished by: (Signature) ~~UPS~~ 11/22/10 1730	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 11/23/10 1000

C0C\99105 COC_soil

1824

GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
KOCH CARBON, CONOCO PHILLIPS, EKI, ETIC

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515410131

NPS

ORC

D

GARDEN GROVE

D92843A

86534624

Print Date : 11/22/10 15:19 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-1824

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ETIC DATE: 11/23/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.7 °C + 0.5 °C (CF) = 3.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: [illegible]

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: [illegible]

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: [illegible]

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** AA

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YL

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** YL

Calscience
Environmental
Laboratories, Inc.

November 29, 2010

Hamidou Barry
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523-1850

Subject: **Calscience Work Order No.: 10-11-1701**
Client Reference: ExxonMobil 99105

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/20/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Drum 4	**10-11-1701-1-A**	**11/17/10 16:10**	**Solid**	**GC 22**	**11/22/10**	**11/22/10 20:46**	**101122B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-279-4,111**	**N/A**	**Solid**	**GC 22**	**11/22/10**	**11/22/10 13:49**	**101122B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	0.50	0.42	1	U	mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	mg/kg
Project: ExxonMobil 99105			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Drum 4	**10-11-1701-1-A**	**11/17/10 16:10**	**Solid**	**GC/MS QQ**	**11/20/10**	**11/22/10 14:40**	**101122L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Toluene	ND	0.0050	0.00029	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Xylenes (total)	ND	0.0050	0.00032	1	U

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	63-141		1,2-Dichloroethane-d4	116	62-146	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	98	60-132	

Method Blank	099-12-796-4,185	N/A	Solid	GC/MS QQ	11/22/10	11/22/10 13:47	101122L01

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.0050	0.00020	1	U	Toluene	ND	0.0050	0.00029	1	U
Ethylbenzene	ND	0.0050	0.00016	1	U	Xylenes (total)	ND	0.0050	0.00032	1	U

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	63-141		1,2-Dichloroethane-d4	113	62-146	
Toluene-d8	100	80-120		1,4-Bromofluorobenzene	98	60-132	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Drum 4	**10-11-1701-1-A**	**11/17/10 16:10**	**Solid**	**ICP 5300**	**11/22/10**	**11/22/10 17:11**	**101122L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Lead	6.12	0.500	0.181	1		mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-14,378**	**N/A**	**Solid**	**ICP 5300**	**11/22/10**	**11/22/10 17:07**	**101122L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Lead	ND	0.500	0.181	1	U	mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0093-3	**Solid**	**ICP 5300**	**11/22/10**	**11/22/10**	**101122S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	102	105	75-125	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

ETIC Engineering, Inc.	Date Received	11/20/10
2285 Morello Avenue	Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
10-11-0093-3	**Solid**	**ICP 5300**	**11/22/10**	**11/22/10**	**101122S01**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	103	104	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/20/10
2285 Morello Avenue		Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-1503-1	**Solid**	**GC 22**	**11/22/10**	**11/22/10**	**101122S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	68	75	48-114	8	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523-1850

Date Received: 11/20/10
Work Order No: 10-11-1701
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Drum 4	**Solid**	**GC/MS QQ**	**11/20/10**	**11/22/10**	**101122S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	81	79	61-127	2	0-20	
Ethylbenzene	84	84	57-129	0	0-22	
Toluene	81	79	63-123	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.	Date Received:	N/A
2285 Morello Avenue	Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-14,378	**Solid**	**ICP 5300**	**11/22/10**	**11/22/10**	**101122L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	112	112	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-4,111	**Solid**	**GC 22**	**11/22/10**	**11/22/10**	**101122B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	102	100	70-124	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.	Date Received:	N/A
2285 Morello Avenue	Work Order No:	10-11-1701
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-796-4,185	Solid	GC/MS QQ	11/22/10	11/22/10	101122L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	88	86	78-120	1	0-20	
Ethylbenzene	92	92	76-120	0	0-20	
Toluene	89	89	77-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-11-1701

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS recovery percentage is within LCS ME control limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	E1.1996.60135
Project Name	Former Mobil 99105

CHAIN OF CUSTODY RECORD

DATE: 11/17/2010

PAGE: 1 OF 1

ExxonMobil Engr:

LABORATORY CLIENT:
ExxonMobil c/o ETIC Engineering

ADDRESS:
2285 Morello Avenue

CITY:
Pleasant Hill, CA 94523

TEL: **925-602-4710 Ext. 34** FAX: **925-602-4720**

GLOBAL ID # COELT LOG CODE:
GLOBAL ID# T0600101855

PROJECT CONTACT:
Hamidou Barry, ETIC Engineering, Inc.

SAMPLER(S): (SIGNATURE)

P.O.
4512012692

LAB USE ONLY: 1 1 - 1 7 0 1

COOLER RECEIPT
Temp = _____ °C

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR (YM) ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
edf file required, GLOBAL ID# T0600101855
email report to eticlabreports@eticeng.com

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH-g BY 8015B	BTEX BY 8260B	TOTAL LEAD BY 6010	CONTAINER TYPE
1	Drum 4		11/17/10	1610	Soil	1	X	X	X	6" ss sleeve

Relinquished by: (Signature)

Relinquished by: (Signature)
to CSD 11/19/10 1730

Relinquished by: (Signature)

COC\99105 COC soil

Received by: (Signature)
to Bradley CEL

Received by: (Signature)
CEL

Received by: (Signature)

Date, & Time: 11/19/10 1410

Date, & Time: 11/20/10 0930

Date, & Time:

(3)

1701

GSO

WebShip > > > > >
800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
ETIC,CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515398969

SDS

ORC

D

GARDEN GROVE

D92843A

86499203

Print Date : 11/19/10 14:45 PM

Package 1 of 1

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-[1][7][0][1]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ETIC DATE: 11/20/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.5 °C + 0.5 °C (CF) = 3.0 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: YL

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WSC

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:**

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:**

Calscience
Environmental
Laboratories, Inc.

December 09, 2010

Hamidou Barry
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, CA 94523-1850

Subject: **Calscience Work Order No.: 10-11-1825**
Client Reference: ExxonMobil 99105

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/23/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3	**10-11-1825-1-G**	**11/19/10 12:34**	**Aqueous**	**GC 27**	**11/23/10**	**11/24/10 19:34**	**101123B14**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	50	47	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

B5	**10-11-1825-2-G**	**11/19/10 13:00**	**Aqueous**	**GC 27**	**11/23/10**	**11/24/10 19:52**	**101123B14**

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.
-Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	50	47	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	68-140	

Method Blank	**099-12-330-1,726**	**N/A**	**Aqueous**	**GC 27**	**11/23/10**	**11/24/10 14:14**	**101123B14**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Diesel	ND	50	47	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3	**10-11-1825-1-E**	**11/19/10 12:34**	**Aqueous**	**GC 25**	**11/24/10**	**11/25/10 03:53**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	50	48	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	79	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5	**10-11-1825-2-E**	**11/19/10 13:00**	**Aqueous**	**GC 25**	**11/24/10**	**11/25/10 10:30**	**101124B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	50	48	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,575**	**N/A**	**Aqueous**	**GC 25**	**11/24/10**	**11/25/10 06:06**	**101124B02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	50	48	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,577**	**N/A**	**Aqueous**	**GC 25**	**11/24/10**	**11/24/10 13:59**	**101124B01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
TPH as Gasoline	ND	50	48	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/23/10
2285 Morello Avenue	Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 99105		Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3	**10-11-1825-1-A**	**11/19/10 12:34**	**Aqueous**	**GC/MS BB**	**11/30/10**	**11/30/10 19:56**	**101130L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.20	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.14	1	U
1,2-Dibromoethane	ND	0.50	0.23	1	U	Tert-Butyl Alcohol (TBA)	ND	10	4.0	1	U
1,2-Dichloroethane	8.7	0.50	0.075	1		Diisopropyl Ether (DIPE)	ND	0.50	0.12	1	U
Ethylbenzene	0.053	0.50	0.043	1	J	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	0.25	1	U
Toluene	ND	0.50	0.25	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	0.12	1	U
Xylenes (total)	0.21	0.50	0.081	1	J						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	101	80-128		Dibromofluoromethane	99	80-127	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	100	68-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5	**10-11-1825-2-A**	**11/19/10 13:00**	**Aqueous**	**GC/MS BB**	**11/30/10**	**11/30/10 20:24**	**101130L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.20	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.14	1	U
1,2-Dibromoethane	ND	0.50	0.23	1	U	Tert-Butyl Alcohol (TBA)	ND	10	4.0	1	U
1,2-Dichloroethane	0.099	0.50	0.075	1	J	Diisopropyl Ether (DIPE)	ND	0.50	0.12	1	U
Ethylbenzene	0.047	0.50	0.043	1	J	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	0.25	1	U
Toluene	ND	0.50	0.25	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	0.12	1	U
Xylenes (total)	0.21	0.50	0.081	1	J						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	102	80-128		Dibromofluoromethane	98	80-127	
Toluene-d8	99	80-120		1,4-Bromofluorobenzene	99	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ETIC Engineering, Inc.	Date Received:	11/23/10
2285 Morello Avenue	Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 99105		Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-10-025-1,813**	**N/A**	**Aqueous**	**GC/MS BB**	**11/30/10**	**11/30/10 14:06**	**101130L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.20	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.14	1	U
1,2-Dibromoethane	ND	0.50	0.23	1	U	Tert-Butyl Alcohol (TBA)	ND	10	4.0	1	U
1,2-Dichloroethane	ND	0.50	0.075	1	U	Diisopropyl Ether (DIPE)	ND	0.50	0.12	1	U
Ethylbenzene	ND	0.50	0.043	1	U	Ethyl-t-Butyl Ether (ETBE)	ND	0.50	0.25	1	U
Toluene	ND	0.50	0.25	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	0.12	1	U
Xylenes (total)	ND	0.50	0.081	1	U						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	94	80-128		Dibromofluoromethane	93	80-127	
Toluene-d8	98	80-120		1,4-Bromofluorobenzene	99	68-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-1887-1	**Aqueous**	**GC 25**	**11/24/10**	**11/24/10**	**101124S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	97	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-1839-1	**Aqueous**	**GC 25**	**11/24/10**	**11/25/10**	**101124S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	100	96	68-122	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ETIC Engineering, Inc.		Date Received:	11/23/10
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-1921-5	**Aqueous**	**GC/MS BB**	**11/30/10**	**11/30/10**	**101130S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	100	76-124	1	0-20	
1,2-Dibromoethane	101	106	80-120	5	0-20	
1,2-Dichloroethane	101	102	80-120	2	0-20	
Ethylbenzene	103	101	78-126	2	0-20	
Toluene	100	99	80-120	1	0-20	
Methyl-t-Butyl Ether (MTBE)	96	103	67-121	6	0-49	
Tert-Butyl Alcohol (TBA)	114	111	36-162	3	0-30	
Diisopropyl Ether (DIPE)	95	97	60-138	2	0-45	
Ethyl-t-Butyl Ether (ETBE)	91	95	69-123	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	96	100	65-120	4	0-20	
Ethanol	106	102	30-180	3	0-72	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-1,726	**Aqueous**	**GC 27**	**11/23/10**	**11/24/10**	**101123B14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	90	92	75-117	2	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-5,577	**Aqueous**	**GC 25**	**11/24/10**	**11/24/10**	**101124B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	102	100	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.		Date Received:	N/A
2285 Morello Avenue		Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-5,575	**Aqueous**	**GC 25**	**11/24/10**	**11/25/10**	**101124B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	102	78-120	4	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ETIC Engineering, Inc.	Date Received:	N/A
2285 Morello Avenue	Work Order No:	10-11-1825
Pleasant Hill, CA 94523-1850	Preparation:	EPA 5030C
	Method:	EPA 8260B

Project: ExxonMobil 99105

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-025-1,813	Aqueous	GC/MS BB	11/30/10	11/30/10	101130L03

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	94	94	80-120	73-127	0	0-20	
1,2-Dibromoethane	95	96	79-121	72-128	1	0-20	
1,2-Dichloroethane	94	94	80-120	73-127	1	0-20	
Ethylbenzene	98	98	80-120	73-127	0	0-20	
Toluene	93	93	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	89	91	69-123	60-132	2	0-20	
Tert-Butyl Alcohol (TBA)	111	109	63-123	53-133	2	0-20	
Diisopropyl Ether (DIPE)	89	91	59-137	46-150	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	87	88	69-123	60-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	91	93	70-120	62-128	3	0-20	
Ethanol	104	104	28-160	6-182	1	0-57	

Total number of LCS compounds : 11

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-11-1825

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS recovery percentage is within LCS ME control limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects.	
Retail Project (MRN)	
Major Project (AFE)	E1.1996.60135
Project Name	Former Mobil 99105

CHAIN OF CUSTODY RECORD

DATE: 11/19/10

PAGE: 1 OF 1

ExxonMobil Engr:

LABORATORY CLIENT:
ExxonMobil c/o ETIC Engineering

ADDRESS:
2285 Morello Avenue

CITY:
Pleasant Hill, CA 94523

TEL: 925-602-4710 Ext. 34 FAX: 925-602-4720

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
edf file required, GLOBAL ID# T0600101855
email report to eticlabreports@eticeng.com

GLOBAL ID #/ COELT LOG CODE:
GLOBAL ID# T0600101855

PROJECT CONTACT:
Hamidou Barry, ETIC Engineering, Inc.

SAMPLER(S): (SIGNATURE)

P.O.
4512012692

LAB USE ONLY
11-1625

COOLER RECEIPT
Temp = ____ °C

REQUESTED ANALYSIS

* 7 Oxygenates include MTBE, TBA, TAME, ETBE, DIPE, EDB, AND 1,2-DCA.

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH-g by EPA 8015B(M)	BTEX by EPA 8260B	7 OXYGENATES* BY 8260B	TPH-d by EPA 8015B(M)	CONTAINER TYPE
1	B3		11/19/10	1234	Water	1				X	500 mL Amber
2	B3			1234		6	X	X	X		40 mL VOA with HCL
3	B5			1300		1				X	500 mL Amber
4	B5			1300		6	X	X	X		40 mL VOA with HCL

Relinquished by: (Signature)

Relinquished by: (Signature) to GBD 11/22/10 1730

Relinquished by: (Signature)

Received by: (Signature) To Omalley CCR

Received by: (Signature)

Received by: (Signature)

Date, & Time: 11/22/10 1415

Date, & Time:

Date, & Time: 11/23/10 1000

COC\99105 COC_water

GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
KOCH CARBON, CONOCO PHILLIPS, EKI, ETIC

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515410131

NPS

ORC

D

GARDEN GROVE

D92843A

86534624

Print Date : 11/22/10 15:19 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-1825

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ETIC DATE: 11/23/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.7 °C + 0.5 °C (CF) = 3.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter **Initial:** JP

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Initial:** JP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** JP

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna

☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JP

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WB

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WB

Appendix F

Waste Documentation

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: EXXON MOBIL OIL COMPANY
Address: 3700 W. 190TH STREET - TPT - 3-14
City: TORRANCE County:
State: CA Zip: 905090229
Site Location (if different): 6301 SAN PABLO AVE., OAKLAND

CUSTOMER/BILLING INFORMATION

Billing Name: DILLARD ENVIRONMENTAL
Address: POST OFFICE BOX 579
City: BYRON County:
State: CA Zip: 94514

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
38501019442	CONTAMINATED SOIL	3/DRUMS	6/30/2011	

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

See Manifest — 12-2-10

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: Dillard
Transporter Address: 3120 Camino Diablo Rd
Byron, CA 94514
DOT# 352045
Truck Number: 303
Phone Number: 925-634-6850

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

David Burke — Signature — 12/20/10

Name of Authorized Agent — Signature — Date Delivered

12/20/10

DISPOSAL SITE INFORMATION

Site Name: VASCO ROAD LANDFILL Phone No. 925 447 0491
Site Address: 4001 VASCO ROAD LIVERMORE, CA

RECEIVED
DEC 20 2010
Dillard Trucking, Inc.
Byron, CA

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12-20-10 Date Received

REPUBLIC SERVICES
VASCO ROAD LANDFILL
4001 N, Vasco Road, Livermore, CA 94551
(925) 447-0491

80893

SITE	TICKET	GRID
01	975383	0000

WEIGHMASTER: J VELLES

DATE IN	TIME IN
20 December 2010	11:21 am

DATE OUT	TIME OUT
20 December 2010	11:44 am

VEHICLE: DRUM1

REFERENCE	ORIGIN
	OAKLAND

021224
DILLARD ENVIRONMENTAL
PO BOX 579
BYRON, CA 94514

Contract: 3850101944Z

02 Gross Weight 22,560.00 lb
Tare Weight 19,780.00 lb
Net Weight 2,760.00 lb 1.39 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
1.39	TN	FEE-WEIGH-ONLY				
3.00	DR	SW-CONT SOIL				
1.00	YD	C&D				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

RECEIVED
DEC 20 2010
Dillard Trucking, Inc.
Byron, CA

NET AMOUNT

TENDERED

CHANGE

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.
All children must remain in vehicles.
Absolutely no salvaging allowed.

Driver:

CUSTOMER

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the division of Measurement Standards of the California Department of Food & Agriculture.

Weighmaster: J Vellas

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	800-675-1056	911221-121510

5. Generator's Name and Mailing Address
ExxonMobil Oil Corporation (93105)
3700 W. 190th St
Torrance, CA 90504 USA

Generator's Site Address (if different than mailing address)
6501 San Pablo Avenue
Oakland, CA USA

Generator's Phone: 925-212-2838-98

6. Transporter 1 Company Name: DILLARD ENVIRONMENTAL SERVICES
U.S. EPA ID Number: CAD982523453

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
REPUBLIC SERVICES (VASCO ROAD LANDFILL)
4001 N VASCO ROAD
LIVERMORE, CA 94550 USA
U.S. EPA ID Number

Facility's Phone: 925-447-0491

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Waste Soil, (Drill Cuttings)	3	DM	1500	P	
2.	Non Hazardous Waste Solid, (Construction Debris)	1	DM	580	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
DES Job# 911-221

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and governmental regulations.

Generator's/Offeror's Printed/Typed Name: On behalf of ExxonMobil Oil Co. Brian Compton
Signature:
Month: 12 Day: 15 Year: 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name: David Burke
Signature:
Month: 12 Day: 15 Year: 10

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

RECEIVED
DEC 20 2010
Dillard Trucking, Inc.
Byron, CA

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name
Signature: DEC 15 2010
Month: 12 Day: 20 Year: 10

GENERATOR | TRANSPORTER | INT'L | DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

169-BLC-O 6 10498 (Rev. 9/09)