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jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek  
Project Manager

**RECEIVED**

By loprojectop at 9:53 am, Apr 10, 2006

**ExxonMobil**  
Refining & Supply

April 6, 2006

Mr. Amir Gholami  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, California 94502

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

Dear Mr. Gholami:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, First Quarter 2006* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the February 2006 sampling event.

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

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

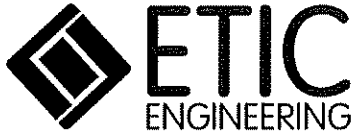
Sincerely,



FOR  
Jennifer C. Sedlachek  
Project Manager

Attachment: ETIC Groundwater Monitoring Report dated April 2006

- c: w/ attachment:  
Ms. Paula Floeck – Jiffy Lube International  
Mr. Dan McQuillen – Jiffy Lube Remediation Coordinator  
Mr. William Slautterback – Cal Lube Real Estate Limited Partnership  
Mr. William Peterson – Owner of Castro Valley Lumber Company
- c: w/o attachment:  
Ms. Christa Marting - ETIC Engineering, Inc.



**RECEIVED**

By loppjectop at 9:53 am, Apr 10, 2006

## Report of Groundwater Monitoring First Quarter 2006

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

Prepared for

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

Prepared by

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

*Sherris Prall*

Sherris Prall  
Project Manager

*4/5/06*

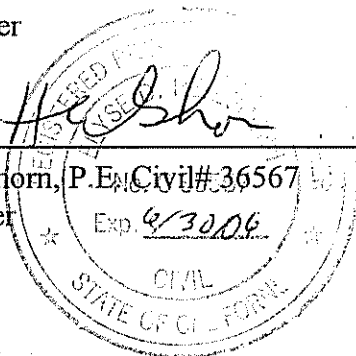
Date

*E.D. Heilshorn*

Elyse D. Heilshorn, P.E. Civil #36567  
Senior Engineer

*4/5/06*

Date



April 2006

## **SITE CONTACTS**

Station Number: Former Mobil Station 04-334

Station Address: 2492 Castro Valley Boulevard  
Castro Valley, California

ExxonMobil Project Manager: Jennifer C. Sedlachek  
ExxonMobil Refining and Supply Company  
4096 Piedmont Avenue #194  
Oakland, California 94611  
(510) 547-8196

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

ETIC Project Manager: Sherris Prall

Regulatory Oversight: Amir Gholami  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, California 94502  
(510) 567-6700

## INTRODUCTION

At the request of ExxonMobil Oil Corporation, ETIC Engineering, Inc. has prepared this report of groundwater monitoring for former Mobil Station 04-334. This report presents the results for the most recent groundwater monitoring conducted at the site and summarizes recent site activities. This report covers site activities from 15 November 2005, the date of the last monitoring event, through 6 February 2006, the date of the recent monitoring event. Groundwater monitoring results, well construction details, and a groundwater monitoring plan are provided in the attached figures and tables. Groundwater monitoring protocols, field data, and analytical results are provided in the attached appendixes.

## GENERAL SITE INFORMATION

<b>Site name:</b>	Former Mobil Station 04-334
<b>Site address:</b>	2492 Castro Valley Boulevard, Castro Valley, California
<b>Current property owner:</b>	Cal Lube Real Estate Limited Partnership I
<b>Current site use:</b>	Jiffy Lube Oil Change facility
<b>Current phase of project:</b>	Groundwater monitoring
<b>Tanks at site:</b>	Four former underground storage tanks removed 1983
<b>Number of wells:</b>	4 (3 onsite, 1 offsite)

## GROUNDWATER MONITORING SUMMARY

<b>Gauging and sampling date:</b>	6 February 2006
<b>Wells gauged and sampled:</b>	MW1-MW4
<b>Wells gauged only:</b>	None
<b>Groundwater flow direction:</b>	South-southeast
<b>Groundwater gradient:</b>	0.015
<b>Well screens submerged:</b>	MW3
<b>Well screens not submerged:</b>	MW1, MW2, MW4
<b>Liquid-phase hydrocarbons:</b>	Not observed or detected
<b>Laboratory:</b>	Sequoia Analytical/TestAmerica, Inc., Morgan Hill, California

### Analyses performed:

- Total Petroleum Hydrocarbons as gasoline and as diesel by EPA Method 8015B
- Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8021B
- Methyl t-butyl ether by EPA Method 8260B

## **ADDITIONAL ACTIVITIES PERFORMED AT SITE**

No additional activities were performed at the site.

## **WORK PROPOSED FOR NEXT QUARTER**

Groundwater will be monitored in accordance with the attached groundwater monitoring plan.

### Attachments:

Figure 1: Site Plan Showing Groundwater Elevations and Analytical Results

Table 1: Well Construction Details

Table 2: Groundwater Monitoring Data

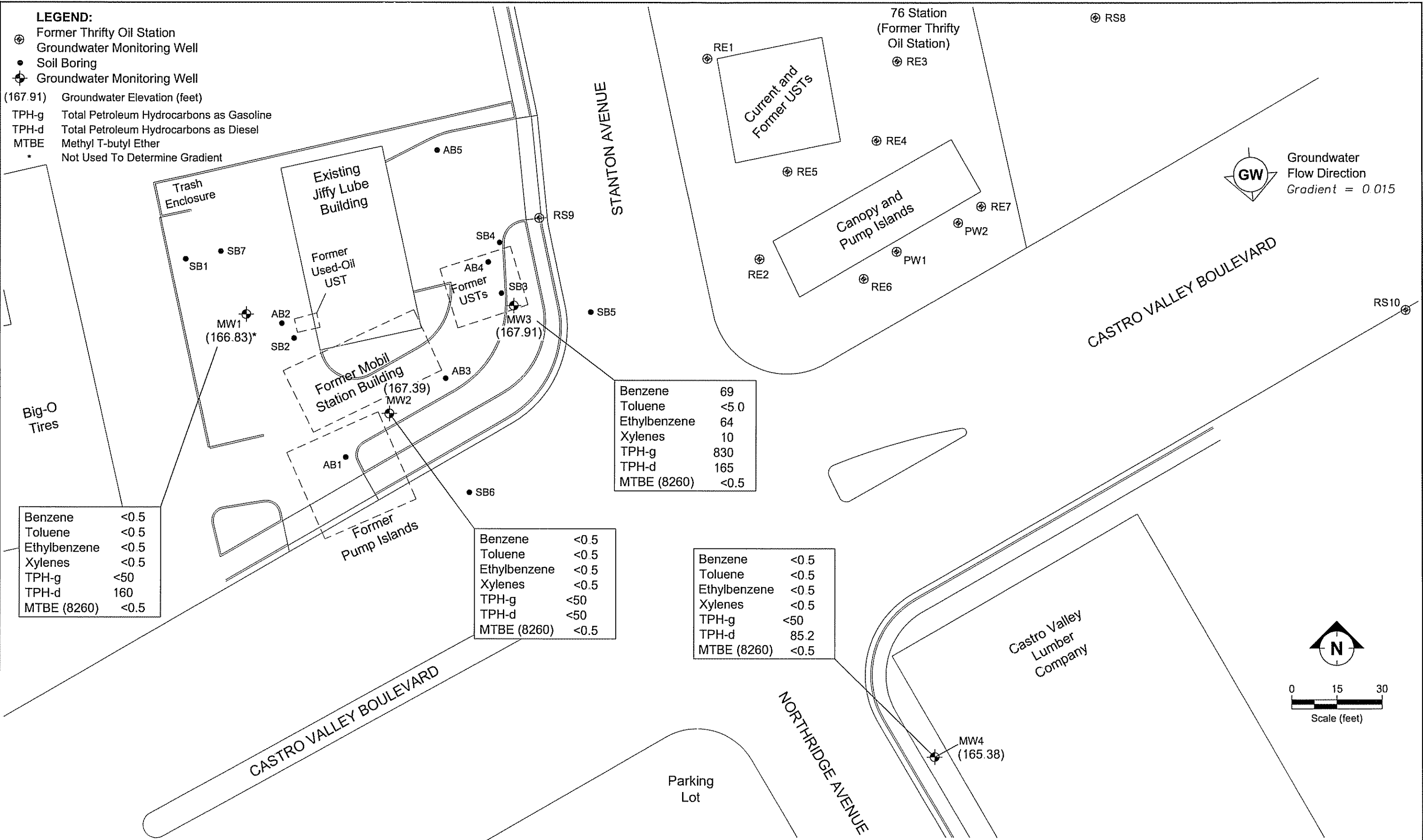
Table 3: Groundwater Monitoring Plan

Appendix A: Field Protocols

Appendix B: Field Documents

Appendix C: Laboratory Analytical Reports

## **Figures**



FILENAME: 102006.DWG 03/20/2006

Note:  
Concentrations In Micrograms Per Liter (ug/L)



SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS  
FORMER MOBIL STATION 04-334  
2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA  
6 FEBRUARY 2006

FIGURE:  
**1**

## **Tables**



**TABLE 1 WELL CONSTRUCTION DETAILS, FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, 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	a 06/24/04	173.23	PVC	20	20	8.25	2	5 - 20	0.010	4.5 - 20	#2/12 Sand
MW2	a 06/25/04	173.63	PVC	20	20	8.25	2	5 - 20	0.010	4.5 - 20	#2/12 Sand
MW3	a 06/25/04	171.91	PVC	20	20	8.25	2	5 - 20	0.010	4.5 - 20	#2/12 Sand
MW4	a 06/24/04	170.48	PVC	15	14	8.25	2	4 - 14	0.010	3.5 - 15	#2/12 Sand

a Well surveyed on 12 July 2004 by Morrow Surveying.

PVC Polyvinyl chloride.

TOC Top of casing.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing	Depth to	Groundwater	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	TPH-g (µg/L)	TPH-d (µg/L)	MTBE (µg/L)
		Elevation (feet)	Water (feet)	Elevation (feet)							
MW1	a 08/13/04	173.23	7.32	165.91	<0.5	0.7	<0.5	1.0	<50	71	1.20 <sup>b</sup>
MW1	11/09/04	173.23	6.96	166.27	<0.5	0.9	<0.5	0.9	<50	63	1.50 <sup>b</sup>
MW1	02/16/05	173.23	6.10	167.13	<0.5	1.0	<0.5	1.5	<50	78	1.30 <sup>b</sup>
MW1	05/16/05	173.23	5.81	167.42	<0.5	<0.5	<0.5	<0.5	<50	<50	1.40 <sup>b</sup>
MW1	08/17/05	173.23	6.70	166.53	<0.5	<0.5	<0.5	<0.5	<50	<50	1.19 <sup>b</sup>
MW1	11/15/05	173.23	7.55	165.68	<0.5	<0.5	<0.5	<0.5	<50	<50	1.13 <sup>b</sup>
<b>MW1</b>	<b>02/06/06</b>	<b>173.23</b>	<b>6.40</b>	<b>166.83</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>160</b>	<b>&lt;0.5<sup>b</sup></b>
MW2	a 08/13/04	173.63	6.96	166.67	<0.5	0.8	<0.5	1.0	<50	57	<0.5 <sup>b</sup>
MW2	11/09/04	173.63	6.44	167.19	<0.5	1.1	<0.5	1.2	<50	<50	<0.5 <sup>b</sup>
MW2	02/16/05	173.63	5.21	168.42	<0.5	0.9	<0.5	1.4	<50	55	<0.5 <sup>b</sup>
MW2	05/16/05	173.63	5.86	167.77	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 <sup>b</sup>
MW2	08/17/05	173.63	5.72	167.91	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 <sup>b</sup>
MW2	11/15/05	173.63	7.65	165.98	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 <sup>b</sup>
<b>MW2</b>	<b>02/06/06</b>	<b>173.63</b>	<b>6.24</b>	<b>167.39</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>&lt;50</b>	<b>&lt;0.5<sup>b</sup></b>
MW3	a 08/13/04	171.91	5.36	166.55	100	2.0	187	59.6	1,440	352	<0.5 <sup>b</sup>
MW3	11/09/04	171.91	4.80	167.11	188	3.6	242	20.0	1,690	461	<0.5 <sup>b</sup>
MW3	02/16/05	171.91	3.10	168.81	66.2	1.4	61.1	12.6	575	269	<0.5 <sup>b</sup>
MW3	05/16/05	171.91	3.86	168.05	74.2	1.4	61.0	9.0	592	92	<0.5 <sup>b</sup>
MW3	08/17/05	171.91	4.75	167.16	231 <sup>c</sup>	2.35	102	11.4	1,130	416	<0.5 <sup>b</sup>
MW3	11/15/05	171.91	6.56	165.35	57.4	0.95	62.4	10.5	452	193	<0.5 <sup>b</sup>
<b>MW3</b>	<b>02/06/06</b>	<b>171.91</b>	<b>4.00</b>	<b>167.91</b>	<b>69</b>	<b>&lt;5.0</b>	<b>64</b>	<b>10</b>	<b>830</b>	<b>165</b>	<b>&lt;0.5<sup>b</sup></b>
MW4	a 08/13/04	170.48	6.10	164.38	<0.5	0.8	<0.5	1.1	<50	72	2.80 <sup>b</sup>
MW4	11/09/04	170.48	5.54	164.94	<0.5	2.3	0.7	1.5	<50	<50	2.10 <sup>b</sup>
MW4	02/16/05	170.48	5.11	165.37	<0.5	1.1	<0.5	1.7	<50	<50	<0.5 <sup>b</sup>

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing	Depth to	Groundwater	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	TPH-g (µg/L)	TPH-d (µg/L)	MTBE (µg/L)
		Elevation (feet)	Water (feet)	Elevation (feet)							
MW4	05/16/05	170.48	5.44	165.04	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 <sup>b</sup>
MW4	08/17/05	170.48	5.71	164.77	<0.5	<0.5	<0.5	<0.5	<50	<50	1.03 <sup>b</sup>
MW4	11/15/05	170.48	5.80	164.68	<0.5	<0.5	<0.5	<0.5	<50	<50	0.730 <sup>b</sup>
<b>MW4</b>	<b>02/06/06</b>	<b>170.48</b>	<b>5.10</b>	<b>165.38</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>85.2</b>	<b>&lt;0.5<sup>b</sup></b>

a Top-of-casing elevation surveyed by Morrow Surveying on 12 July 2004.

b Analyzed by EPA Method 8260.

c Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

Depth-to-water-level measurements in feet from top-of-casing.

TPH-g Total Petroleum Hydrocarbons as gasoline.

TPH-d Total Petroleum Hydrocarbons as diesel.

MTBE Methyl tertiary butyl ether.

µg/L Micrograms per liter.

TABLE 3 GROUNDWATER MONITORING PLAN,  
 FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency	
		BTEX, TPH-g, and TPH-d	MTBE
MW1	Q	Q	Q
MW2	Q	Q	Q
MW3	Q	Q	Q
MW4	Q	Q	Q

Q = Quarterly

BTEX = Benzene, toluene, ethylbenzene, total xylenes.

MTBE = Methyl tertiary butyl ether.

TPH-g = Total Petroleum Hydrocarbons as gasoline.

TPH-d = Total Petroleum Hydrocarbons as diesel.

**Appendix A**  
**Field Protocols**

## **PROTOCOLS FOR QUARTERLY GROUNDWATER MONITORING**

### **GROUNDWATER GAUGING**

Wells are opened prior to gauging to allow the groundwater level in the wells to equilibrate with atmospheric pressure. The depth to groundwater and depth to liquid-phase hydrocarbons, if present, are then measured to the nearest 0.01 feet using an electronic water level meter or optical interface probe. The measurements are made from a permanent reference point at the top of the well casing. If less than 1 foot of water is measured in a well, the water is bailed from the well and, if the well does not recover, the well is considered “functionally dry.” Wells with a sheen or measurable liquid-phase hydrocarbons are generally not purged or sampled.

### **WELL PURGING**

After the wells are gauged, each well is purged of approximately 3 well casing volumes of water to provide representative groundwater samples for analysis. Field parameters of pH, temperature, and electrical conductance are measured during purging to ensure that these parameters have stabilized before groundwater in a well is sampled. Groundwater in each well is purged using an inertial pump (WaTerra), an electric submersible pump, or a bailer. After the well is purged, the water level is checked to ensure that the well has recharged to at least 80 percent of its original water level.

### **GROUNDWATER SAMPLING**

After purging, groundwater in each well is sampled using dedicated tubing and an inertial pump (WaTerra) or a factory-cleaned disposable bailer. Samples from extraction wells are typically collected from sample ports associated with the groundwater remediation system. Samples collected for volatile organic analysis are placed in Teflon septum-sealed 40-milliliter glass vials. Samples collected for diesel analysis are placed in 1-liter amber glass bottles. Each sample bottle is labeled with the site name, well number, date, sampler’s initials, and preservative. The samples are placed in a cooler with ice for delivery to a state-certified laboratory. The information for each sample is entered on a chain-of-custody form prior to transport to the laboratory.

**Appendix B**  
**Field Documents**







Engineering, Inc.

### GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW1 Date: 2/26/06  
 Project No: UP04-334.1 Personnel: Alex M.

#### GAUGING DATA

Water Level Measuring Method: WLM / IP Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	19.87	=	6.40	=	13.47	X	1	2	4	6	2.16	=
						0.04	0.16	0.64	1.44			

#### PURGING DATA

Purge Method: WATERRA / BAILER / SUB Purge Rate: GPM

Time	1614	1616	1617			
Volume Purge (gal)	2.5	5.0	7.5			
Temperature (C)	18.7	19.4	19.7			
pH	6.86	7.26	7.52			
Spec. Cond. (umhos)	147.8	237.4	164.5			
Turbidity/Color	clear/clear	clear/clear	clear/clear			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

#### SAMPLING DATA

Time Sampled: 1025 Approximate Depth to Water During Sampling: 7.2 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW1	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
MW1	2	AMBERS	HCL	1L	/	TPH-D
					/	

Total Purge Volume: 7.5 (gallons) Disposal: SYSTEM

Weather Conditions: OK BOLTS  / N

Condition of Well Box and Casing at Time of Sampling: OK CAP & LOCK  / N

Well Head Conditions Requiring Correction: N GROUT  / N

Problems Encountered During Purging and Sampling: N WELL BOX.  / N

Comments: SECURED  / N



Engineering, Inc.

### GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW3 2 Date: 2/10/10  
 Project No: UP04-334.1 Personnel: Rick R.

**GAUGING DATA**  
 Water Level Measuring Method: WLM / IP Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
		20.20	6.24	13.96	1 0.04	2 0.16	4 0.64	6 1.44	2.23

**PURGING DATA**  
 Purge Method: WATERRA / BAILER / SUB Purge Rate: GPM

Time	Volume Purge (gal)	Temperature (C)	pH	Spec. Cond. (umhos)	Turbidity/Color	Odor (Y/N)	Casing Volumes	Dewatered (Y/N)
1040	2.5	18.6	7.40	756	clear/ BEN	N	1	N
1041	5.0	19.0	7.39	797	clear/ NONE	N	2	N
1042	7.5	19.3	7.38	820	clear/ NONE	N	3	N

Comments/Observations:

**SAMPLING DATA**  
 Time Sampled: 1045 Approximate Depth to Water During Sampling: 7 (feet)  
 Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
MW2	2	AMBERS	HCL	1L	/	TPH-D

Total Purge Volume: 7.5 (gallons) Disposal: SYSTEM

Weather Conditions: OK BOLTS  / N

Condition of Well Box and Casing at Time of Sampling: WASDS LOCK CAP & LOCK  /  N

Well Head Conditions Requiring Correction: N GROUT  / N

Problems Encountered During Purging and Sampling: N WELL BOX.  / N

Comments: SECURED  / N



Engineering, Inc.

### GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW23 Date: 2/10/00  
 Project No: UP04-334.1 Personnel: [Signature]

#### GAUGING DATA

Water Level Measuring Method: WLM / IP Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	19.93	-	4.00	-	15.93	X	1	2	4	6	2.55	=
						0.04	0.16	0.64	1.44			

#### PURGING DATA

Purge Method: WATERRA / BAILER / SUB Purge Rate: GPM

Time	1053	1055	1057			
Volume Purge (gal)	3	6	9			
Temperature (C)	17.2	18.1	18.7			
pH	7.27	7.26	7.28			
Spec. Cond. (umhos)	1025	1030	1041			
Turbidity/Color	CLEAR / BEN	CLEAR / NONE	CLEAR / NONE			
Odor (Y/N)	Y	Y	Y			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

#### SAMPLING DATA

Time Sampled: 1100 Approximate Depth to Water During Sampling: 5 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW23	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW23	2	AMBERS	HCL	1L		TPH-D

Total Purge Volume: 9 (gallons) Disposal: SYSTEM

Weather Conditions: OK BOLTS  / N

Condition of Well Box and Casing at Time of Sampling: NEAR LOCK CAP & LOCK  / N

Well Head Conditions Requiring Correction: N GROUT  / N

Problems Encountered During Purging and Sampling: N WELL BOX.  / N

Comments: SECURED  / N



Engineering, Inc.

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Exxon 04-334 Well No: MW4 Date: 02-06-06  
 Project No: UP04-334.1 Personnel: AUC

**GAUGING DATA**

Water Level Measuring Method: WLM / IP Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
		14.44	5.10	9.34	X 1	2	4	6	1.49
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: WATERRA / BAILER / SUB Purge Rate: GPM

Time	Volume Purge (gal)	Temperature (C)	pH	Spec. Cond. (umhos)	Turbidity/Color	Odor (Y/N)	Casing Volumes	Dewatered (Y/N)
1116	1.5	16.3	7.92	532	silty/BEN	N	1	N
1117	3	16.5	7.72	672	silty/BEN	N	2	N
1118	4.5	16.8	7.66	717	silty/BEN	N	3	N

Comments/Observations:

**SAMPLING DATA**

Time Sampled: 1120 Approximate Depth to Water During Sampling: 6 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW4	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
MWA	2	AMBERS	HCL	1L	/	TPH-D

Total Purge Volume: 4.5 (gallons) Disposal: SYSTEM

Weather Conditions: OK BOLTS (Y) / N

Condition of Well Box and Casing at Time of Sampling: NEEDS LOCK CAP & LOCK (Y) / (N)

Well Head Conditions Requiring Correction: N GROUT (Y) / N

Problems Encountered During Purging and Sampling: N WELL BOX. (Y) / N

Comments: SECURED (Y) / N

## **Appendix C**

### **Laboratory Analytical Reports**



27 February, 2006

Sherris Prall  
ETIC Engineering Inc - Pleasant Hill (Exxon)  
2285 Morello Avenue  
Pleasant Hill, CA 94523

RE: Exxon 04-334  
Work Order: MPB0324

Enclosed are the results of analyses for samples received by the laboratory on 02/07/06 19:20. The samples arrived at a temperature of 4° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes  
Project Manager

CA ELAP Certificate #1210

ETIC Engineering Inc - Pleasant Hill (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon 04-334  
Project Number: 04-334  
Project Manager: Sherris Prall

MPB0324  
**Reported:**  
02/27/06 19:52

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1	MPB0324-01	Water	02/06/06 10:25	02/07/06 19:20
MW2	MPB0324-02	Water	02/06/06 10:45	02/07/06 19:20
MW3	MPB0324-03	Water	02/06/06 11:00	02/07/06 19:20
MW4	MPB0324-04	Water	02/06/06 11:20	02/07/06 19:20

ETIC Engineering Inc - Pleasant Hill (Exxon)  
 2285 Morello Avenue  
 Pleasant Hill CA, 94523

 Project: Exxon 04-334  
 Project Number: 04-334  
 Project Manager: Sherris Prall

 MPB0324  
 Reported:  
 02/27/06 19:52

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW1 (MPB0324-01) Water</b> Sampled: 02/06/06 10:25 Received: 02/07/06 19:20									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6B18007	02/18/06	02/19/06	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		106 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	80-120		"	"	"	"	
<b>MW2 (MPB0324-02) Water</b> Sampled: 02/06/06 10:45 Received: 02/07/06 19:20									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6B18007	02/18/06	02/19/06	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98 %	80-120		"	"	"	"	
<b>MW3 (MPB0324-03) Water</b> Sampled: 02/06/06 11:00 Received: 02/07/06 19:20									
Gasoline Range Organics (C4-C12)	830	500	ug/l	10	6B19001	02/19/06	02/19/06	EPA 8015B/8021B	
Benzene	69	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	64	5.0	"	"	"	"	"	"	
Xylenes (total)	10	5.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93 %	80-120		"	"	"	"	



ETIC Engineering Inc - Pleasant Hill (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon 04-334  
Project Number: 04-334  
Project Manager: Sherris Prall

MPB0324  
Reported:  
02/27/06 19:52

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>MW4 (MPB0324-04) Water    Sampled: 02/06/06 11:20    Received: 02/07/06 19:20</b>										
Gasoline Range Organics (C4-C12)	ND	50		ug/l	1	6B18007	02/18/06	02/19/06	EPA 8015B/8021B	
Benzene	ND	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Xylenes (total)	ND	0.50		"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %		80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %		80-120		"	"	"	"	

ETIC Engineering Inc - Pleasant Hill (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon 04-334  
Project Number: 04-334  
Project Manager: Sherris Prall

MPB0324  
Reported:  
02/27/06 19:52

**MTBE by EPA Method 8260B  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW1 (MPB0324-01) Water Sampled: 02/06/06 10:25 Received: 02/07/06 19:20</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	6B16005	02/16/06	02/16/06	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		112 %	60-135		"	"	"	"	
<b>MW2 (MPB0324-02) Water Sampled: 02/06/06 10:45 Received: 02/07/06 19:20</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	6B16005	02/16/06	02/16/06	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		116 %	60-135		"	"	"	"	
<b>MW3 (MPB0324-03) Water Sampled: 02/06/06 11:00 Received: 02/07/06 19:20</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	6B16005	02/16/06	02/16/06	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		128 %	60-135		"	"	"	"	
<b>MW4 (MPB0324-04) Water Sampled: 02/06/06 11:20 Received: 02/07/06 19:20</b>									
Methyl tert-butyl ether	ND	0.50	ug/l	1	6B16012	02/16/06	02/16/06	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		115 %	60-135		"	"	"	"	

ETIC Engineering Inc - Pleasant Hill (Exxon)  
 2285 Morello Avenue  
 Pleasant Hill CA, 94523

 Project: Exxon 04-334  
 Project Number: 04-334  
 Project Manager: Sherris Prall

 MPB0324  
 Reported:  
 02/27/06 19:52

### Extractable Petroleum Hydrocarbons TestAmerica Analytical - Nashville

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW1 (MPB0324-01) Water</b> <b>Sampled: 02/06/06 10:25</b> <b>Received: 02/07/06 19:20</b>									
Diesel	160	50.0	ug/L	1	6021757	02/09/06	02/12/06	SW846 8015B	QSG
Surrogate: <i>o</i> -Terphenyl		48 %	55-150		"	"	"	"	Z
<b>MW2 (MPB0324-02) Water</b> <b>Sampled: 02/06/06 10:45</b> <b>Received: 02/07/06 19:20</b>									
Diesel	ND	50.0	ug/L	1	6021757	02/09/06	02/12/06	SW846 8015B	QSG
Surrogate: <i>o</i> -Terphenyl		75 %	55-150		"	"	"	"	
<b>MW3 (MPB0324-03) Water</b> <b>Sampled: 02/06/06 11:00</b> <b>Received: 02/07/06 19:20</b>									
Diesel	165	50.0	ug/L	1	6021757	02/09/06	02/12/06	SW846 8015B	QSG
Surrogate: <i>o</i> -Terphenyl		58 %	55-150		"	"	"	"	
<b>MW4 (MPB0324-04) Water</b> <b>Sampled: 02/06/06 11:20</b> <b>Received: 02/07/06 19:20</b>									
Diesel	85.2	50.0	ug/L	1	6021757	02/09/06	02/12/06	SW846 8015B	QSG
Surrogate: <i>o</i> -Terphenyl		66 %	55-150		"	"	"	"	

ETIC Engineering Inc - Pleasant Hill (Exxon)  
 2285 Morello Avenue  
 Pleasant Hill CA, 94523

 Project: Exxon 04-334  
 Project Number: 04-334  
 Project Manager: Sherris Prall

 MPB0324  
 Reported:  
 02/27/06 19:52

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6B18007 - EPA 5030B [P/T]**
**Blank (6B18007-BLK1)**

Prepared &amp; Analyzed: 02/18/06

Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
<i>Surrogate a.a.a-Trifluorotoluene</i>	80.7		"	80.0		101	80-120			
<i>Surrogate 4-Bromofluorobenzene</i>	75.9		"	80.0		95	80-120			

**LCS (6B18007-BS1)**

Prepared &amp; Analyzed: 02/18/06

Gasoline Range Organics (C4-C12)	216	50	ug/l	275		79	55-130			
<i>Surrogate 4-Bromofluorobenzene</i>	78.8		"	80.0		98	80-120			

**LCS (6B18007-BS2)**

Prepared &amp; Analyzed: 02/18/06

Benzene	9.19	0.50	ug/l	10.0		92	75-150			
Toluene	9.20	0.50	"	10.0		92	80-115			
Ethylbenzene	9.08	0.50	"	10.0		91	75-115			
Xylenes (total)	27.6	0.50	"	30.0		92	75-115			
<i>Surrogate a.a.a-Trifluorotoluene</i>	79.4		"	80.0		99	80-120			

**Matrix Spike (6B18007-MS1)**

Source: MPB0326-03

Prepared &amp; Analyzed: 02/18/06

Gasoline Range Organics (C4-C12)	180	50	ug/l	275	ND	65	55-130			
Benzene	3.24	0.50	"	4.10	ND	79	75-150			
Toluene	16.9	0.50	"	20.7	ND	82	80-115			
Ethylbenzene	3.36	0.50	"	4.85	ND	69	75-115			QM02
Xylenes (total)	19.3	0.50	"	23.8	ND	81	75-115			
<i>Surrogate a.a.a-Trifluorotoluene</i>	75.8		"	80.0		95	80-120			
<i>Surrogate 4-Bromofluorobenzene</i>	78.5		"	80.0		98	80-120			

ETIC Engineering Inc - Pleasant Hill (Exxon)  
 2285 Morello Avenue  
 Pleasant Hill CA, 94523

 Project: Exxon 04-334  
 Project Number: 04-334  
 Project Manager: Sherris Prall

 MPB0324  
 Reported:  
 02/27/06 19:52

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6B18007 - EPA 5030B [P/T]**
**Matrix Spike Dup (6B18007-MSD1)**

Source: MPB0326-03

Prepared &amp; Analyzed: 02/18/06

Gasoline Range Organics (C4-C12)	181	50	ug/l	275	ND	66	55-130	0.6	35	
Benzene	3.35	0.50	"	4.10	ND	82	75-150	3	25	
Toluene	17.4	0.50	"	20.7	ND	84	80-115	3	25	
Ethylbenzene	3.46	0.50	"	4.85	ND	71	75-115	3	25	QM02
Xylenes (total)	19.5	0.50	"	23.8	ND	82	75-115	1	25	
Surrogate a.a.a-Trifluorotoluene	77.5		"	80.0		97	80-120			
Surrogate 4-Bromofluorobenzene	78.9		"	80.0		99	80-120			

**Batch 6B19001 - EPA 5030B [P/T]**
**Blank (6B19001-BLK1)**

Prepared &amp; Analyzed: 02/19/06

Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.25	"							
Surrogate a.a.a-Trifluorotoluene	83.1		"	80.0		104	80-120			
Surrogate 4-Bromofluorobenzene	81.4		"	80.0		102	80-120			

**LCS (6B19001-BS1)**

Prepared &amp; Analyzed: 02/19/06

Gasoline Range Organics (C4-C12)	218	50	ug/l	275		79	55-130			
Benzene	3.79	0.50	"	4.10		92	75-150			
Toluene	18.8	0.50	"	20.7		91	80-115			
Ethylbenzene	3.63	0.50	"	4.85		75	75-115			
Xylenes (total)	20.9	0.50	"	23.8		88	75-115			
Surrogate a.a.a-Trifluorotoluene	72.2		"	80.0		90	80-120			
Surrogate 4-Bromofluorobenzene	75.6		"	80.0		94	80-120			

ETIC Engineering Inc - Pleasant Hill (Exxon)  
 2285 Morello Avenue  
 Pleasant Hill CA, 94523

 Project: Exxon 04-334  
 Project Number: 04-334  
 Project Manager: Sherris Prall

 MPB0324  
 Reported:  
 02/27/06 19:52

**Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6B19001 - EPA 5030B [P/T]**

<b>Matrix Spike (6B19001-MS1)</b>		<b>Source: MPB0403-04</b>		<b>Prepared &amp; Analyzed: 02/19/06</b>						
Gasoline Range Organics (C4-C12)	187	50	ug/l	275	ND	68	55-130			
Benzene	3.63	0.50	"	4.10	ND	89	75-150			
Toluene	18.9	0.50	"	20.7	ND	91	80-115			
Ethylbenzene	3.74	0.50	"	4.85	ND	77	75-115			
Xylenes (total)	21.2	0.50	"	23.8	ND	89	75-115			
<i>Surrogate a.a.a-Trifluorotoluene</i>	<i>80.3</i>		<i>"</i>	<i>80.0</i>		<i>100</i>	<i>80-120</i>			
<i>Surrogate 4-Bromofluorobenzene</i>	<i>75.2</i>		<i>"</i>	<i>80.0</i>		<i>94</i>	<i>80-120</i>			
<b>Matrix Spike Dup (6B19001-MSD1)</b>		<b>Source: MPB0403-04</b>		<b>Prepared &amp; Analyzed: 02/19/06</b>						
Gasoline Range Organics (C4-C12)	183	50	ug/l	275	ND	67	55-130	2	35	
Benzene	3.42	0.50	"	4.10	ND	83	75-150	6	25	
Toluene	18.0	0.50	"	20.7	ND	87	80-115	5	25	
Ethylbenzene	3.45	0.50	"	4.85	ND	71	75-115	8	25	QM02
Xylenes (total)	20.1	0.50	"	23.8	ND	84	75-115	5	25	
<i>Surrogate a.a.a-Trifluorotoluene</i>	<i>80.1</i>		<i>"</i>	<i>80.0</i>		<i>100</i>	<i>80-120</i>			
<i>Surrogate 4-Bromofluorobenzene</i>	<i>75.8</i>		<i>"</i>	<i>80.0</i>		<i>95</i>	<i>80-120</i>			

ETIC Engineering Inc - Pleasant Hill (Exxon)  
 2285 Morello Avenue  
 Pleasant Hill CA, 94523

 Project: Exxon 04-334  
 Project Number: 04-334  
 Project Manager: Sherris Prall

 MPB0324  
 Reported:  
 02/27/06 19:52

**MTBE by EPA Method 8260B - Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6B16005 - EPA 5030B P/T**
**Blank (6B16005-BLK1)**

Prepared &amp; Analyzed: 02/16/06

Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	4.90		"	5.00		98	60-135			

**LCS (6B16005-BS1)**

Prepared &amp; Analyzed: 02/16/06

Methyl tert-butyl ether	7.47	0.50	ug/l	7.84		95	65-125			
Surrogate: 1,2-Dichloroethane-d4	5.23		"	5.00		105	60-135			

**Matrix Spike (6B16005-MS1)**

Source: MPB0313-07

Prepared &amp; Analyzed: 02/16/06

Methyl tert-butyl ether	107	5.0	ug/l	78.4	26	103	65-125			
Surrogate: 1,2-Dichloroethane-d4	5.23		"	5.00		105	60-135			

**Matrix Spike Dup (6B16005-MSD1)**

Source: MPB0313-07

Prepared &amp; Analyzed: 02/16/06

Methyl tert-butyl ether	105	5.0	ug/l	78.4	26	101	65-125	2	20	
Surrogate: 1,2-Dichloroethane-d4	4.30		"	5.00		86	60-135			

**Batch 6B16012 - EPA 5030B P/T**
**Blank (6B16012-BLK1)**

Prepared &amp; Analyzed: 02/16/06

Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: 1,2-Dichloroethane-d4	5.34		"	5.00		107	60-135			

**LCS (6B16012-BS1)**

Prepared &amp; Analyzed: 02/16/06

Methyl tert-butyl ether	7.82	0.50	ug/l	7.84		100	65-125			
Surrogate: 1,2-Dichloroethane-d4	5.30		"	5.00		106	60-135			

**Matrix Spike (6B16012-MS1)**

Source: MPB0486-01

Prepared &amp; Analyzed: 02/16/06

Methyl tert-butyl ether	737	50	ug/l	784	ND	94	65-125			
Surrogate: 1,2-Dichloroethane-d4	5.60		"	5.00		112	60-135			

ETIC Engineering Inc - Pleasant Hill (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon 04-334  
Project Number: 04-334  
Project Manager: Sherris Prall

MPB0324  
Reported:  
02/27/06 19:52

**MTBE by EPA Method 8260B - Quality Control  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6B16012 - EPA 5030B P/T**

**Matrix Spike Dup (6B16012-MSD1)**

**Source: MPB0486-01**

**Prepared: 02/16/06**

**Analyzed: 02/17/06**

Methyl tert-butyl ether	814	50	ug/l	784	ND	104	65-125	10	20	
Surrogate 1,2-Dichloroethane-d4	568		"	500		114	60-135			



ETIC Engineering Inc - Pleasant Hill (Exxon)  
 2285 Morello Avenue  
 Pleasant Hill CA, 94523

 Project: Exxon 04-334  
 Project Number: 04-334  
 Project Manager: Sherris Prall

 MPB0324  
 Reported:  
 02/27/06 19:52

**Extractable Petroleum Hydrocarbons - Quality Control**  
**TestAmerica Analytical - Nashville**

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6021757 - EPA 3510C**
**Blank (6021757-BLK1)**

Prepared: 02/09/06 Analyzed: 02/12/06

Diesel	ND	33.0	ug/L							
Surrogate o-Terphenyl	17.4		"	20.0		87	55-150			

**LCS (6021757-BS1)**

Prepared: 02/09/06 Analyzed: 02/12/06

Diesel	589	50.0	ug/L	1000		59	49-118			MNR1
Surrogate o-Terphenyl	13.5		"	20.0		68	55-150			

ETIC Engineering Inc - Pleasant Hill (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523Project: Exxon 04-334  
Project Number: 04-334  
Project Manager: Sherris PrallMPB0324  
Reported:  
02/27/06 19:52

### Notes and Definitions

Z Due to sample matrix effects, the surrogate recovery was below the acceptance limits.

QSG Silica Gel clean-up performed on extracts.

QM02 The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

DEI Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Consultant Name: ETIC ENGINEERING

TA Account #: 10236

Address: 2285 MORELLO AVE.

Invoice To: JENNIFER SEDLACHEK (XOMTM)

City/State/Zip: PLEASANT HILL, CA. 94523

Report To: SHERRIS PRALL

ExxonMobil Territory Mgr: JENNIFER SEDLACHEK

PO #: 4506876374

Consultant Project Mgr: SHERRIS PRALL

Project #: UP04334.1

Facility ID # 04-334

Consultant Telephone Number: 925-602-4710 EXT.20

Fax No.: 925-602-4720

Site Address 2492 CASTRO VALLEY BLVD

Sampler Name: (Print) AWX, RICK

City, State, Zip CASTRO VALLEY, CA. 94546

Sampler Signature: [Signature]

Regulatory District (CA) \_\_\_\_\_

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative								Matrix					Analyze For:				RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results									
							Ice	HNO <sub>3</sub> (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H <sub>2</sub> SO <sub>4</sub> Plastic (Yellow Label)	H <sub>2</sub> SO <sub>4</sub> Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	TPH-G BY 80153	TPH-D BY 80153/8510 *	BTEX BY 80123					MTBE BY 82603								
MW1 01	02-06-06	1025	8	16 gal	17 gal		X	X							X																					
MW2 02		1045	8				X	X							X																					
MW3 03		1106	8				X	X							X																					
MW4 04		1120	8				X	X							X																					

Special Instructions:  
**\* USE SILICAGEL CLEANUP FOR TPH-D ANALYSIS.**

GLOBAL ID# T0600101278

EDF FILE REQUIRED

Laboratory Comments:  
Temperature Upon Receipt: 3.8 °C  
Sample Containers Intact? (Y) N  
VOCs Free of Headspace? (Y) N

Relinquished by: <u>[Signature]</u>	Date <u>02-06-06</u>	Time <u>1410</u>	Received by: <u>[Signature]</u>	Date <u>2-7</u>	Time <u>1920</u>
Relinquished by: <u>[Signature]</u>	Date <u>2-7</u>	Time <u>1920</u>	Received by TestAmerica: <u>[Signature]</u>	Date <u>2-7</u>	Time <u>1920</u>

QC Deliverables (please circle one)  
Level 2  
Level 3  
Level 4  
Site Specific - if yes, please a pre-schedule w/ TestAmerica Project Manager or attach specific instructions

## SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ETIC  
 REC. BY (PRINT) E. Fallin  
 WORKORDER: MPB0324

DATE REC'D AT LAB: 2/7/06  
 TIME REC'D AT LAB: 1920  
 DATE LOGGED IN: 2/8/06

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*									<div style="transform: rotate(-45deg); font-size: 2em; font-weight: bold;">                     EX-12 2/7/06 SBB COC                 </div>
2. Chain-of-Custody <u>Present</u> / Absent**									
3. Traffic Reports or Packing List: Present / <u>Absent</u>									
4. Airbill: Airbill / Sticker <u>Present</u> / Absent									
5. Airbill #:									
6. Sample Labels: <u>Present</u> / Absent									
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody									
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*									
10. Sample received within hold time? <u>Yes</u> / No*									
11. Adequate sample volume received? <u>Yes</u> / No*									
12. Proper preservatives used? <u>Yes</u> / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) <u>Yes</u> / No*									
14. Read Temp: <u>3.8 C</u> Corrected Temp: <u>3.8 C</u> Is corrected temp 4 +/-2°C? <u>Yes</u> / No**									

(Acceptance range for samples requiring thermal pres.)

\*\*Exception (if any): METALS / DFF ONCE  
or Problem COC

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