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Global Remediation - US Retail
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RECEIVED

1:33 pm, Mar 27, 2008

Alameda County
Environmental Health

Jennifer C. Sedlachek
Project Manager

ExxonMobil
Refining & Supply

March 24, 2008

Mr. Steven Plunkett
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

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

Dear Mr. Plunkett:


Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, First Quarter 2008* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the January 2008 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.

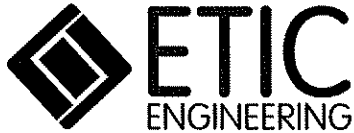
Sincerely,




Jennifer C. Sedlachek
Project Manager

Attachment: ETIC Groundwater Monitoring Report dated March 2008

- c: w/ attachment:
Ms. Paula Floeck – Jiffy Lube International
Mr. Joseph D. Phillips – 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:
Mr. Bryan Campbell – ETIC Engineering, Inc.



Report of Groundwater Monitoring First Quarter 2008

**Former Mobil Station 04334
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

A handwritten signature in black ink that reads "K. Erik Appel".

K. Erik Appel, P.G. #8092
Senior Project Geologist



3/6/08

Date

March 2008

SITE CONTACTS

Site Name: Former Mobil Station 04334

Site 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: K. Erik Appel

Regulatory Oversight: Steven Plunkett
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd 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 04334. 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 25 October 2007, the date of the previous monitoring event to 31 January 2008, the date of the most 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

Site name:	Former Mobil Station 04334
Site address:	2492 Castro Valley Boulevard, Castro Valley, California
Current property owner:	Cal Lube Real Estate Limited Partnership
Current site use:	Jiffy Lube Oil Change facility
Current phase of project:	Groundwater monitoring
Tanks at site:	Four former underground storage tanks removed 1983
Number of wells:	4 (3 onsite, 1 offsite)

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	31 January 2008
Wells gauged and sampled:	MW1-MW4
Wells gauged only:	None
Groundwater flow direction:	Northwest
Groundwater gradient:	0.02
Well screens submerged:	MW3
Well screens not submerged:	MW1, MW2, MW4
Liquid-phase hydrocarbons:	Not observed or detected
Laboratory:	TestAmerica, Inc., Morgan Hill, California

Analyses performed:

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

ADDITIONAL ACTIVITIES PERFORMED

A subsurface investigation report was submitted in December of 2007 which recommended an offsite monitoring well and a response to the report is pending.

WORK PROPOSED FOR NEXT QUARTER

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

Attachments:

Figure 1: Site Map 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 and Chain-of-Custody Documentation

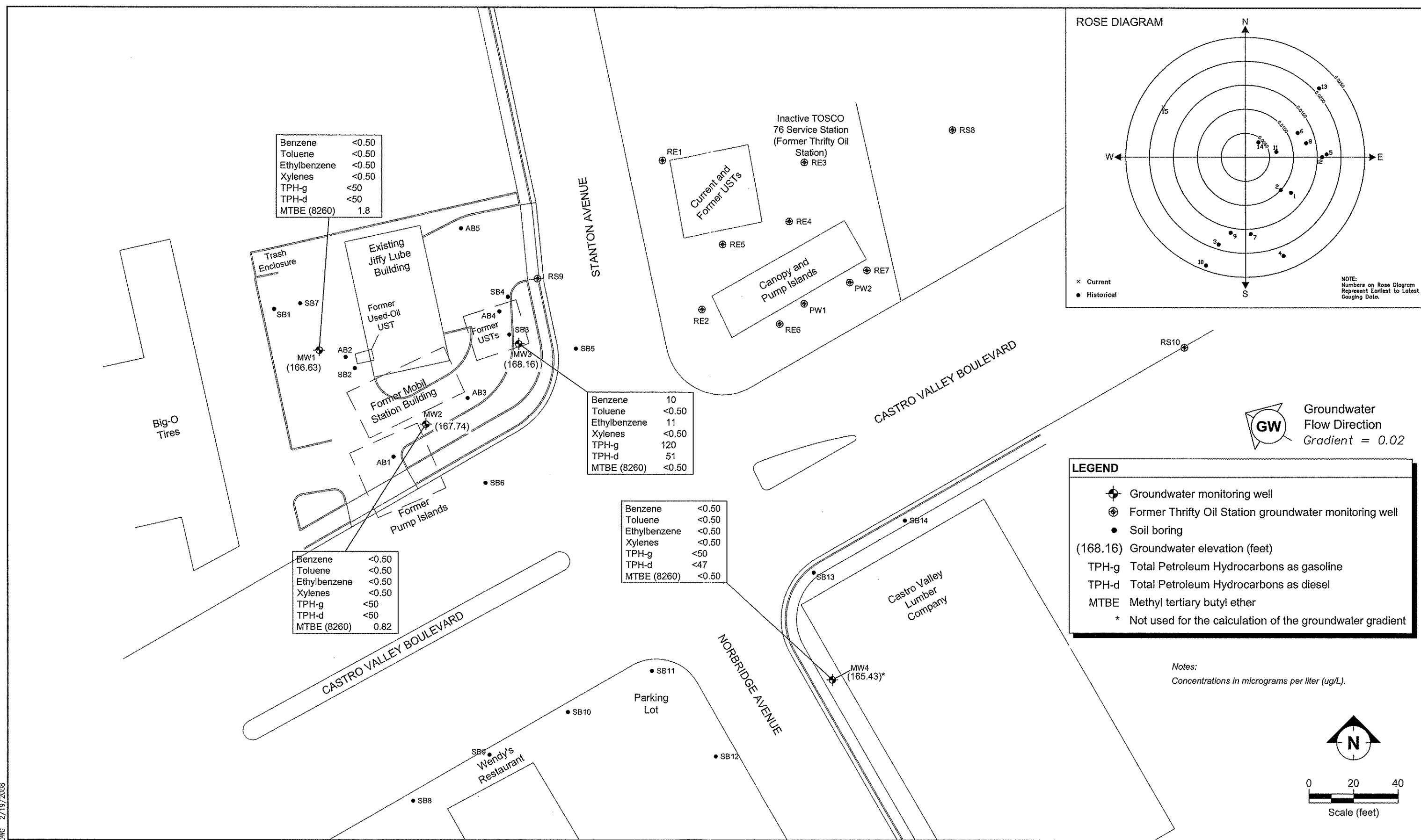
Figures

FILENAME: 102008.DWG 2/19/2008



SITE MAP SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
 FORMER MOBIL STATION 04334
 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA
 31 JANUARY 2008

FIGURE:
1



Tables

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER MOBIL STATION 04334, 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

Notes:

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 04334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentration (µg/L)						
					Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	TPH-d	MTBE
MW1	a 08/13/04	173.23	7.32	165.91	<0.5	0.7	<0.5	1.0	<50	71	1.20 ^b
MW1	11/09/04	173.23	6.96	166.27	<0.5	0.9	<0.5	0.9	<50	63	1.50 ^b
MW1	02/16/05	173.23	6.10	167.13	<0.5	1.0	<0.5	1.5	<50	78	1.30 ^b
MW1	05/16/05	173.23	5.81	167.42	<0.5	<0.5	<0.5	<0.5	<50	<50	1.40 ^b
MW1	08/17/05	173.23	6.70	166.53	<0.5	<0.5	<0.5	<0.5	<50	<50	1.19 ^b
MW1	11/15/05	173.23	7.55	165.68	<0.5	<0.5	<0.5	<0.5	<50	<50	1.13 ^b
MW1	02/06/06	173.23	6.40	166.83	<0.5	<0.5	<0.5	<0.5	<50	160	<0.5 ^b
MW1	05/03/06	173.23	6.95	166.28	<1.00	<1.00	<1.00	<3.00	<50.0	78	<0.50 ^b
MW1	08/04/06	173.23	7.71	165.52	<0.50	<0.50	<0.50	<0.50	<50.0	167	<0.500 ^b
MW1	11/06/06	173.23	7.57	165.66	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	0.880 ^b
MW1	02/21/07	173.23	7.19	166.04	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	2.42 ^b
MW1	08/01/07	173.23	8.00	165.23	3.02	4.18	0.89	3.96	90.8	<47	1.54 ^b
MW1	10/25/07	173.23	7.90	165.33	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	1.63 ^b
MW1	01/31/08	173.23	6.60	166.63	<0.50	<0.50	<0.50	<0.50	<50	<50	1.8^b
MW2	a 08/13/04	173.63	6.96	166.67	<0.5	0.8	<0.5	1.0	<50	57	<0.5 ^b
MW2	11/09/04	173.63	6.44	167.19	<0.5	1.1	<0.5	1.2	<50	<50	<0.5 ^b
MW2	02/16/05	173.63	5.21	168.42	<0.5	0.9	<0.5	1.4	<50	55	<0.5 ^b
MW2	05/16/05	173.63	5.86	167.77	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	08/17/05	173.63	5.72	167.91	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	11/15/05	173.63	7.65	165.98	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	02/06/06	173.63	6.24	167.39	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	05/03/06	173.63	6.53	167.10	<1.00	<1.00	<1.00	<3.00	<50.0	<50	<0.50 ^b
MW2	08/04/06	173.63	7.65	165.98	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500 ^b
MW2	11/06/06	173.63	6.98	166.65	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.500 ^b
MW2	02/21/07	173.63	6.36	167.27	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	1.70 ^b
MW2	05/01/07	173.63	7.51	166.12	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.50 ^b

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentration (µg/L)						
					Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	TPH-d	MTBE
MW2	08/01/07	173.63	8.12	165.51	<0.50	<0.50	<0.50	<0.50	<50.0	<47	<0.500 ^b
MW2	10/25/07	173.63	7.79	165.84	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500 ^b
MW2	01/31/08	173.63	5.89	167.74	<0.50	<0.50	<0.50	<0.50	<50	<50	0.82^b
MW3	a 08/13/04	171.91	5.36	166.55	100	2.0	187	59.6	1,440	352	<0.5 ^b
MW3	11/09/04	171.91	4.80	167.11	188	3.6	242	20.0	1,690	461	<0.5 ^b
MW3	02/16/05	171.91	3.10	168.81	66.2	1.4	61.1	12.6	575	269	<0.5 ^b
MW3	05/16/05	171.91	3.86	168.05	74.2	1.4	61.0	9.0	592	92	<0.5 ^b
MW3	08/17/05	171.91	4.75	167.16	231 ^c	2.35	102	11.4	1,130	416	<0.5 ^b
MW3	11/15/05	171.91	6.56	165.35	57.4	0.95	62.4	10.5	452	193	<0.5 ^b
MW3	02/06/06	171.91	4.00	167.91	69	<5.0	64	10	830	165	<0.5 ^b
MW3	05/03/06	171.91	5.44	166.47	52.1	<1.00	37.0	4.81	605	140	<0.50 ^b
MW3	08/04/06	171.91	5.25	166.66	15.2	<0.50	5.34	1.25	262	108	<0.500 ^b
MW3	11/06/06	171.91	4.11	167.80	60.0	1.04	47.3	3.09	561	106	<0.500 ^b
MW3	02/21/07	171.91	4.94	166.97	35.1	<0.50	45.4	1.09	483	125	<0.500 ^b
MW3	05/01/07	171.91	5.86	166.05	32.5	1.63	28.7	1.53	539	120	<0.50 ^b
MW3	08/01/07	171.91	7.54	164.37	1.26	0.60	<0.50	<0.50	89.2	<47	<0.500 ^b
MW3	10/25/07	171.91	6.30	165.61	2.94	<0.50	<0.50	<0.50	50.4	<47.2	<0.500 ^b
MW3	01/31/08	171.91	3.75	168.16	10	<0.50	11	<0.50	120	51^d	<0.50^b
MW4	a 08/13/04	170.48	6.10	164.38	<0.5	0.8	<0.5	1.1	<50	72	2.80 ^b
MW4	11/09/04	170.48	5.54	164.94	<0.5	2.3	0.7	1.5	<50	<50	2.10 ^b
MW4	02/16/05	170.48	5.11	165.37	<0.5	1.1	<0.5	1.7	<50	<50	<0.5 ^b
MW4	05/16/05	170.48	5.44	165.04	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW4	08/17/05	170.48	5.71	164.77	<0.5	<0.5	<0.5	<0.5	<50	<50	1.03 ^b
MW4	11/15/05	170.48	5.80	164.68	<0.5	<0.5	<0.5	<0.5	<50	<50	0.730 ^b
MW4	02/06/06	170.48	5.10	165.38	<0.5	<0.5	<0.5	<0.5	<50	85.2	<0.5 ^b
MW4	05/03/06	170.48	5.54	164.94	<1.00	<1.00	<1.00	<3.00	<50.0	<47	<0.50 ^b

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentration (µg/L)						
					Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE
MW4	08/04/06	170.48	5.75	164.73	<0.50	<0.50	<0.50	<0.50	<50.0	52.7	<0.50 ^b
MW4	11/06/06	170.48	5.95	164.53	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.50 ^b
MW4	02/21/07	170.48	5.56	164.92	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.50 ^b
MW4	05/01/07	170.48	5.66	164.82	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.50 ^b
MW4	08/01/07	170.48	6.06	164.42	0.85	<0.50	<0.50	0.97	<50.0	<47	<0.870 ^b
MW4	10/25/07	170.48	5.34	165.14	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.50 ^b
MW4	01/31/08	170.48	5.05	165.43	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50^b

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

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.

d Does not match typical pattern.

µg/L Micrograms per liter.

MTBE Methyl tertiary butyl ether.

TPH-d Total Petroleum Hydrocarbons as diesel.

TPH-g Total Petroleum Hydrocarbons as gasoline.

TABLE 3 GROUNDWATER MONITORING PLAN, FORMER MOBIL STATION 04334,
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

Notes:

BTEX Benzene, toluene, ethylbenzene, and xylenes.
 MTBE Methyl tertiary butyl ether.
 Q Quarterly.
 TPH-d Total Petroleum Hydrocarbons as diesel.
 TPH-g Total Petroleum Hydrocarbons as gasoline.

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



MONITORING WELL DATA FORM

Client: **Former Exxon 04-334**

Date: *01-31-08*

Project Number: **UP04334.1.6**

Station Number: **04-334**

Site Location: **2492 Castro Valley Boulevard,
Castro Valley, California**

Samplers: *Aux*

MONITORING WELL NUMBER	DEPTH TO WATER (TOC)FT	DEPTH TO PRODUCT (TOC)FT	APPARENT PRODUCT THICKNESS (FT)	AMOUNT OF PRODUCT REMOVED(L)	MONITORING WELL INTEGRITY	DEPTH TO BOTTOM (TOC)	WELL CASING DIAMETER
MW1	6.60					19.89	2"
MW2	5.89					20.17	2"
MW3	3.75					19.92	2"
MW4	5.05					14.11	2"

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW1 Date: 01-31-08
 Project No: UP04-334.1.6 Personnel: ALX

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)
		19.89	6.60	13.29	X 1	2	4	6	2.12
				0.04	0.16	0.64	1.44		

PURGING DATA

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

Time	0715	0719	0723			
Volume Purge (gal)	2.5	5	7.5			
Temperature (C)	17.3	18.4	18.6			
pH	7.26	7.23	7.27			
Spec. Cond. (umhos)	870	865	868			
Turbidity/Color	CLEAR/NONE	CLEAR/NONE	CLEAR/NONE			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 0730 Approximate Depth to Water During Sampling: 7.8 (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 (Y) / N

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

Well Head Conditions Requiring Correction: NONE GROUT (Y) / N

Problems Encountered During Purging and Sampling: NONE WELL BOX. (Y) / N

Comments: SECURED (Y) / N



Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334	Well No: MW2	Date: 01-31-08
Project No: UP04-334.1.6	Personnel: ALX	

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)
		20.17	5.89	14.28	1	2	4	6	2.28
				0.04	0.16	0.64	1.44		

PURGING DATA

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

Time	0752	0755	0758			
Volume Purge (gal)	2.5	5	7.5			
Temperature (C)	14.2	17.4	18.0			
pH	7.41	7.19	7.20			
Spec Cond. (umhos)	698	732	757			
Turbidity/Color	CLEAR/NONE	CLEAR/NONE	CLEAR/NONE			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 0810 Approximate Depth to Water During Sampling: 6.0 (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: OK CAP & LOCK / N

Well Head Conditions Requiring Correction: NONE GROUT / N

Problems Encountered During Purging and Sampling: NONE WELL BOX. / N

Comments: SECURED / N



Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: *MW3* Date: *01-31-08*
 Project No: UP04-334.1.6 Personnel: *AUX*

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)
	19.92	3.75	16.17	X 1	2.58	7.76
				0.04 0.16 0.64 1.44		

PURGING DATA

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

Time	0830	0833	0836			
Volume Purge (gal)	3	6	9			
Temperature (C)	15.9	16.4	16.9			
pH	7.12	7.09	7.10			
Spec. Cond. (umhos)	901	904	891			
Turbidity/Color	CLEAR/WHITE	CLEAR/WHITE	CLEAR/WHITE			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: *0845* Approximate Depth to Water During Sampling: *4.0* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW3</i>	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
<i>MW3</i>	2	AMBERS	HCL	1L		TPH-D

Total Purge Volume: *9* (gallons) Disposal: SYSTEM

Weather Conditions: *OK* BOLTS Y / N

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

Well Head Conditions Requiring Correction: *NONE* GROUT Y / N

Problems Encountered During Purging and Sampling: *NONE* WELL BOX. Y / N

Comments: SECURED Y / N

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334	Well No: MW4	Date: 01-31-08
Project No: UP04-334.1.6	Personnel: ALX	

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)
		14.11	- 5.05	= 9.06	X 1	2	4	6	1.44
				0.04	0.16	0.64	1.44		

PURGING DATA

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

Time	0902	0905	0908			
Volume Purge (gal)	1.5	2	4.5			
Temperature (°C)	14.6	15.3	15.5			
pH	7.51	7.40	7.37			
Spec. Cond. (umhos)	1115	1107	1099			
Turbidity/Color	SILTY/BROWN	SILTY/BROWN	SILTY/BROWN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 0920 Approximate Depth to Water During Sampling: 6.0 (feet)

Comments:

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

Total Purge Volume: 4.5 (gallons) Disposal: SYSTEM

Weather Conditions: <u>OK</u>	BOLTS	<u>Y</u> / N
Condition of Well Box and Casing at Time of Sampling: <u>OK</u>	CAP & LOCK	<u>Y</u> / N
Well Head Conditions Requiring Correction: <u>NONE</u>	GROUT	<u>Y</u> / N
Problems Encountered During Purging and Sampling: <u>NONE</u>	WELL BOX.	<u>Y</u> / N
Comments:	SECURED	<u>Y</u> / N

Appendix C

Laboratory Analytical Reports and Chain-of-Custody Documentation

18 February, 2008

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

RE: Exxon 04-334
Work Order: MRB0048

Enclosed are the results of analyses for samples received by the laboratory on 02/01/08 20:15. The samples arrived at a temperature of 4° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tim Rhiney
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: Jennifer Sedlachek

MRB0048
Reported:
 02/18/08 10:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1	MRB0048-01	Water	01/31/08 07:30	02/01/08 20:15
MW2	MRB0048-02	Water	01/31/08 08:10	02/01/08 20:15
MW3	MRB0048-03	Water	01/31/08 08:45	02/01/08 20:15
MW4	MRB0048-04	Water	01/31/08 09:20	02/01/08 20:15

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (MRB0048-01) Water Sampled: 01/31/08 07:30 Received: 02/01/08 20:15									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	8B07004	02/07/08	02/07/08	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	85-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97 %	75-125		"	"	"	"	
MW2 (MRB0048-02) Water Sampled: 01/31/08 08:10 Received: 02/01/08 20:15									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	8B07004	02/07/08	02/07/08	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	85-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96 %	75-125		"	"	"	"	
MW3 (MRB0048-03) Water Sampled: 01/31/08 08:45 Received: 02/01/08 20:15									
Gasoline Range Organics (C4-C12)	120	50	ug/l	1	8B07004	02/07/08	02/07/08	EPA 8015B/8021B	
Benzene	10	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	11	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	85-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75-125		"	"	"	"	

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

Project: Exxon 04-334
 Project Number: 04-334
 Project Manager: Jennifer Sedlachek

MRB0048
 Reported:
 02/18/08 10:14

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B
TestAmerica Morgan Hill

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
MW4 (MRB0048-04) Water Sampled: 01/31/08 09:20 Received: 02/01/08 20:15										
Gasoline Range Organics (C4-C12)	ND	50		ug/l	1	8B07004	02/07/08	02/07/08	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>		109 %		85-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %		75-125		"	"	"	"	

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

**Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B
TestAmerica Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (MRB0048-01) Water Sampled: 01/31/08 07:30 Received: 02/01/08 20:15									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	8B05013	02/05/08	02/06/08	EPA 8015B-SVOA	
Surrogate: <i>n-Octacosane</i>		67 %	40-120		"	"	"	"	
MW2 (MRB0048-02) Water Sampled: 01/31/08 08:10 Received: 02/01/08 20:15									
Diesel Range Organics (C10-C28)	ND	50	ug/l	1	8B05013	02/05/08	02/06/08	EPA 8015B-SVOA	
Surrogate: <i>n-Octacosane</i>		71 %	40-120		"	"	"	"	
MW3 (MRB0048-03) Water Sampled: 01/31/08 08:45 Received: 02/01/08 20:15									
Diesel Range Organics (C10-C28)	51	47	ug/l	1	8B05013	02/05/08	02/06/08	EPA 8015B-SVOA	Q1
Surrogate: <i>n-Octacosane</i>		70 %	40-120		"	"	"	"	
MW4 (MRB0048-04) Water Sampled: 01/31/08 09:20 Received: 02/01/08 20:15									
Diesel Range Organics (C10-C28)	ND	47	ug/l	1	8B05013	02/05/08	02/06/08	EPA 8015B-SVOA	
Surrogate: <i>n-Octacosane</i>		70 %	40-120		"	"	"	"	

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

Volatile Organic Compounds by EPA Method 8260B TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (MRB0048-01) Water Sampled: 01/31/08 07:30 Received: 02/01/08 20:15									
Methyl tert-butyl ether	1.8	0.50	ug/l	1	8B05011	02/05/08	02/05/08	EPA 8260B	
Surrogate: Dibromofluoromethane		97 %	75-130		"	"	"	"	
Surrogate: Toluene-d8		90 %	75-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85 %	55-130		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		105 %	60-150		"	"	"	"	
MW2 (MRB0048-02) Water Sampled: 01/31/08 08:10 Received: 02/01/08 20:15									
Methyl tert-butyl ether	0.82	0.50	ug/l	1	8B05011	02/05/08	02/05/08	EPA 8260B	
Surrogate: Dibromofluoromethane		100 %	75-130		"	"	"	"	
Surrogate: Toluene-d8		90 %	75-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82 %	55-130		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		107 %	60-150		"	"	"	"	
MW3 (MRB0048-03) Water Sampled: 01/31/08 08:45 Received: 02/01/08 20:15									
Methyl tert-butyl ether	ND	0.50	ug/l	1	8B05011	02/05/08	02/05/08	EPA 8260B	
Surrogate: Dibromofluoromethane		99 %	75-130		"	"	"	"	
Surrogate: Toluene-d8		100 %	75-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98 %	55-130		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		107 %	60-150		"	"	"	"	
MW4 (MRB0048-04) Water Sampled: 01/31/08 09:20 Received: 02/01/08 20:15									
Methyl tert-butyl ether	ND	0.50	ug/l	1	8B05011	02/05/08	02/05/08	EPA 8260B	
Surrogate: Dibromofluoromethane		103 %	75-130		"	"	"	"	
Surrogate: Toluene-d8		89 %	75-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82 %	55-130		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		108 %	60-150		"	"	"	"	

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control TestAmerica Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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Batch 8B07004 - EPA 5030B [P/T]

Blank (8B07004-BLK1)

Prepared & Analyzed: 02/07/08

Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.28	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.37	"							
Surrogate: a,a,a-Trifluorotoluene	43.5		"	40.0		109	85-120			
Surrogate: 4-Bromofluorobenzene	38.6		"	40.0		97	75-125			

LCS (8B07004-BS1)

Prepared & Analyzed: 02/07/08

Benzene	10.6	0.50	ug/l	10.0		106	70-130			
Toluene	10.7	0.50	"	10.0		107	70-130			
Ethylbenzene	10.4	0.50	"	10.0		104	70-130			
Xylenes (total)	31.2	0.50	"	30.0		104	70-130			
Surrogate: a,a,a-Trifluorotoluene	42.7		"	40.0		107	85-120			

LCS (8B07004-BS2)

Prepared & Analyzed: 02/07/08

Gasoline Range Organics (C4-C12)	214	50	ug/l	250		86	70-130			
Surrogate: 4-Bromofluorobenzene	41.3		"	40.0		103	75-125			

LCS Dup (8B07004-BSD2)

Prepared & Analyzed: 02/07/08

Gasoline Range Organics (C4-C12)	208	50	ug/l	250		83	70-130	3	25	
Surrogate: 4-Bromofluorobenzene	41.2		"	40.0		103	75-125			

Matrix Spike (8B07004-MS1)

Source: MRB0048-01

Prepared & Analyzed: 02/07/08

Gasoline Range Organics (C4-C12)	85.7	50	ug/l	91.0	ND	94	70-130			
Benzene	10.2	0.50	"	10.0	ND	102	70-130			
Toluene	10.2	0.50	"	10.0	ND	102	70-130			
Ethylbenzene	10.1	0.50	"	10.0	ND	101	70-130			
Xylenes (total)	30.4	0.50	"	30.0	ND	101	70-130			
Surrogate: a,a,a-Trifluorotoluene	43.1		"	40.0		108	85-120			
Surrogate: 4-Bromofluorobenzene	39.0		"	40.0		97	75-125			

TestAmerica Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8B07004 - EPA 5030B [P/T]

Matrix Spike Dup (8B07004-MSD1)

Source: MRB0048-01

Prepared & Analyzed: 02/07/08

Gasoline Range Organics (C4-C12)	88.8	50	ug/l	91.0	ND	98	70-130	3	25	
Benzene	10.6	0.50	"	10.0	ND	106	70-130	3	25	
Toluene	10.5	0.50	"	10.0	ND	105	70-130	2	25	
Ethylbenzene	10.4	0.50	"	10.0	ND	104	70-130	3	25	
Xylenes (total)	31.2	0.50	"	30.0	ND	104	70-130	3	25	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	43.0		"	40.0		108	85-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	38.8		"	40.0		97	75-125			

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control TestAmerica Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8B05013 - EPA 3510C

Blank (8B05013-BLK1)

Prepared: 02/05/08 Analyzed: 02/06/08

Diesel Range Organics (C10-C28)	ND	25	ug/l							
<i>Surrogate: n-Octacosane</i>	31.4		"	50.0		63	40-120			

LCS (8B05013-BS1)

Prepared: 02/05/08 Analyzed: 02/06/08

Diesel Range Organics (C10-C28)	419	50	ug/l	500		84	20-120			
<i>Surrogate: n-Octacosane</i>	29.3		"	50.0		59	40-120			

Matrix Spike (8B05013-MS1)

Source: MRB0004-09

Prepared: 02/05/08 Analyzed: 02/08/08

Diesel Range Organics (C10-C28)	313	50	ug/l	500	57.2	51	20-120			
<i>Surrogate: n-Octacosane</i>	25.4		"	50.0		51	40-120			

Matrix Spike (8B05013-MS2)

Source: MRB0037-05

Prepared: 02/05/08 Analyzed: 02/08/08

Diesel Range Organics (C10-C28)	340	50	ug/l	500	83.1	51	20-120			
<i>Surrogate: n-Octacosane</i>	26.8		"	50.0		54	40-120			

Matrix Spike Dup (8B05013-MSD1)

Source: MRB0004-09

Prepared: 02/05/08 Analyzed: 02/08/08

Diesel Range Organics (C10-C28)	402	50	ug/l	500	57.2	69	20-120	25	25	
<i>Surrogate: n-Octacosane</i>	30.8		"	50.0		62	40-120			

Matrix Spike Dup (8B05013-MSD2)

Source: MRB0037-05

Prepared: 02/05/08 Analyzed: 02/08/08

Diesel Range Organics (C10-C28)	376	50	ug/l	500	83.1	59	20-120	10	25	
<i>Surrogate: n-Octacosane</i>	24.6		"	50.0		49	40-120			

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica Morgan Hill

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8B05011 - EPA 5030B P/T

Blank (8B05011-BLK1)

Prepared & Analyzed: 02/05/08

Methyl tert-butyl ether	ND	0.25	ug/l							
Surrogate: Dibromofluoromethane	2.46		"	2.50		98	75-130			
Surrogate: Toluene-d8	2.35		"	2.50		94	75-120			
Surrogate: 4-Bromofluorobenzene	2.07		"	2.50		83	55-130			
Surrogate: 1,2-Dichloroethane-d4	2.56		"	2.50		102	60-150			

LCS (8B05011-BS1)

Prepared & Analyzed: 02/05/08

Methyl tert-butyl ether	9.89	0.50	ug/l	10.0		99	70-130			
Surrogate: Dibromofluoromethane	2.50		"	2.50		100	75-130			
Surrogate: Toluene-d8	2.45		"	2.50		98	75-120			
Surrogate: 4-Bromofluorobenzene	2.53		"	2.50		101	55-130			
Surrogate: 1,2-Dichloroethane-d4	2.43		"	2.50		97	60-150			

Matrix Spike (8B05011-MS1)

Source: MRB0048-01

Prepared & Analyzed: 02/05/08

Methyl tert-butyl ether	13.0	0.50	ug/l	10.0	1.76	112	70-130			
Surrogate: Dibromofluoromethane	2.56		"	2.50		102	75-130			
Surrogate: Toluene-d8	2.50		"	2.50		100	75-120			
Surrogate: 4-Bromofluorobenzene	2.62		"	2.50		105	55-130			
Surrogate: 1,2-Dichloroethane-d4	2.48		"	2.50		99	60-150			

Matrix Spike Dup (8B05011-MSD1)

Source: MRB0048-01

Prepared & Analyzed: 02/05/08

Methyl tert-butyl ether	13.6	0.50	ug/l	10.0	1.76	118	70-130	5	25	
Surrogate: Dibromofluoromethane	2.53		"	2.50		101	75-130			
Surrogate: Toluene-d8	2.48		"	2.50		99	75-120			
Surrogate: 4-Bromofluorobenzene	2.63		"	2.50		105	55-130			
Surrogate: 1,2-Dichloroethane-d4	2.45		"	2.50		98	60-150			

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

Project: Exxon 04-334
Project Number: 04-334
Project Manager: Jennifer Sedlachek

MRB0048
Reported:
02/18/08 10:14

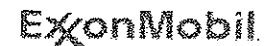
Notes and Definitions

Q1 Does not match typical pattern
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

Phone: 408-776-9600
Fax: 408-782-6308



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: eticlabreports@eticeng.com

ExxonMobil Territory Mgr: JENNIFER SEDLACHEK

PO #: 4509318711

Consultant Project Mgr: ERK APPEL

Project #: UP04334.1.6

Facility ID # 04-334

Consultant Telephone Number: 925-602-4710 EXT.21

Fax No.: 925-602-4720

Site Address 2492 CASTRO VALLEY BLVD

Sampler Name: (Print) AVEX MANALI

City, State, Zip CASTRO VALLEY, CA. 94546

Sampler Signature: Avex Manali

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 ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (Specify):	TPH-G BY 8015B	TPH-D BY 8015B/3510 *	BTX BY 8021B				MTBE BY 8260B					
MW1 -01	01-31-08	0730	8				X	X							X					X	X	X	X									X
MW2 -02		0810	8				X	X							X					X	X	X	X									X
MW3 -03		0845	8				X	X							X					X	X	X	X									X
MW4 -04		0920	8				X	X							X					X	X	X	X									X

Special Instructions: GLOBAL ID# T0600101278 EDF FILE REQUIRED

* USE SILICAGEL CLEANUP FOR TPH-D ANALYSIS.

Laboratory Comments:
Temperature Upon Receipt: 4.4°C
Sample Containers intact? (X) N
VOCs Free of Headspace? (Y) N

Relinquished by: Avex Manali Date: 01-31-08 Time: 1330
Received by: [Signature] Date: 2-1-08 Time: 1417

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

Relinquished by: [Signature] Date: 2-1-08 Time: 2015
Received by TestAmerica: [Signature] TAMH Date: 2/1/08 Time: 2015

PROBLEM CHAIN-OF-CUSTODY

MAR0048

DATE/TIME 2/4/08 1345

DATE RECEIVED 2/1/08

CLIENT ETIC Engineering

TURN AROUND TIME STD

CLIENT SERVICES REP Tim R. / Doug

ANALYST Julie

PROBLEM

* The Refrigerator's temp. was above 15°C when we came. Only 1 (1L) Amber "MW3" and 1 (1L) Amber "MW4" are still in good condition. The rest of ambers, including: 2 (1L) Amber "MW1" + 2 (1L) Amber "MW2" + 1 (1L) Amber "MW3" + 1 (1L) Amber "MW4" were found broken in the fridge.

called 2/4/08

RESOLUTION

Client Instruction* For the two cracked samples: pour into clean amber bottles if possible. Quality results and document temperature excidence.

Telephone Number of Client: ~~Erik Appel~~ (925) 602 4710 x 21 cell 925 642-2545

Client Contact for Instruction: Erik Appel

Date and Time of Instruction: 2/4/08, 1535

Date & Time Form Given to Sample Control: 2/4/08, 1540

CLIENT SERVICES REP. SIGNATURE: Doug

DATE/TIME: 2/4/08, 1535

*If client does not return call within 24 hours, please route this form to the Laboratory Director.

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ETIC / EXXON 04-334
REC. BY (PRINT) PH
WORKORDER: MR130048

DATE REC'D AT LAB: 2/1/08
TIME REC'D AT LAB: 2015
DATE LOGGED IN: 2/4/08

For Regulatory Purposes?
 DRINKING WATER
 WASTE WATER
 OTHER

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*								
2. Chain-of-Custody <u>Present</u> / Absent*								
3. Traffic Reports or Packing List: Present / <u>Absent</u>								
4. Airbill: Airbill / Sticker Present / <u>Absent</u>								
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>5.4°C</u> Correction Factor: <u>-1.0</u> Corrected Temp: <u>4.4°C</u> Is corrected temp. 0-6°C? <u>Yes</u> / No**								

2/1/08
 40ml vol. HCl
 3 x 1L Amber

**Exception (if any): Metals / Perchlorate DFF on Ice or Problem COC

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