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Jennifer C. Sedlachek
Project Manager

ExxonMobil

January 9, 2009

Mr. Jerry T. Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Subject: Fuel Leak Investigation Site No. RO0002635
Former Exxon RAS #74121, 10605 Foothill Boulevard, Oakland, California

Dear Mr. Wickham:

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

c: w/ attachment:
Mr. Ken Phares - MacArthur Boulevard Associates, Oakland, California
Mr. Peter McIntyre - AEI Consultants

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

ETIC ENGINEERING

Report of Groundwater Monitoring
Fourth Quarter 2008

Former Exxon Retail Site 74121
10605 Foothill Boulevard
Oakland, California

Prepared for

ExxonMobil Oil Corporation

Prepared by

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

PROFESSIONAL GEOLOGIST
KRISTOPHER ERIK APPEL
No. 8092
STATE OF CALIFORNIA

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

January 9, 2009
Date

January 2009

SITE CONTACTS

Site Name:	Former Exxon Retail Site 74121
Site Address:	10605 Foothill Boulevard Oakland, California
ExxonMobil Project Manager:	Jennifer C. Sedlachek ExxonMobil Environmental Services 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:	Jerry T. Wickham Alameda County Health Care Services Agency Environmental Health Services 1131 Harbor Bay Parkway Alameda, California 94502-6577 (510) 567-6765

INTRODUCTION

ETIC Engineering, Inc. (ETIC) has prepared this quarterly groundwater monitoring report for ExxonMobil Environmental Services Company on behalf of ExxonMobil Oil Corporation for former Exxon Retail Site 74121. 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 16 September 2008, the date of the previous monitoring event, until 1 December 2008, the date of the most recent quarterly 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 Exxon Retail Site 74121
Site address:	10605 Foothill Boulevard, Oakland, California
Current property owner:	MacArthur Boulevard Associates
Current site use:	Landscaped area
Current phase of project:	Groundwater monitoring
Tanks at site:	Underground storage tanks removed in 1981 or 1982
Number of wells:	4 (4 onsite, 0 offsite)

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	1 December 2008
Wells gauged and sampled:	MW1, MW2, MW3, MW5
Wells gauged only:	None
Groundwater flow direction:	Northwest
Groundwater gradient:	0.0033
Well screens submerged:	None
Well screens not submerged:	MW1, MW2, MW3, MW5
Liquid-phase hydrocarbons:	Not observed or detected
Laboratory:	TestAmerica, Inc., Morgan Hill, California

Analyses performed:

- Total Petroleum Hydrocarbons as gasoline by EPA Method 8015B
- Total Petroleum Hydrocarbons as diesel by EPA Method 8015B
- Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8021B
- Methyl tertiary butyl ether, ethyl tertiary butyl ether, tertiary amyl methyl ether, tertiary butyl alcohol, diisopropyl ether, 1,2-dibromoethane, and 1,2-dichloroethane by EPA Method 8260B

ADDITIONAL ACTIVITIES PERFORMED

A letter dated 7 October 2008 was received from the Alameda County Health Care Services Agency in response to the Vapor Sampling Work Plan, dated August 2008. In response to this letter, a Revised Soil Vapor Sampling and Risk Assessment Work Plan has been prepared and submitted under separate cover dated December 2008.

WORK PROPOSED FOR NEXT QUARTER

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

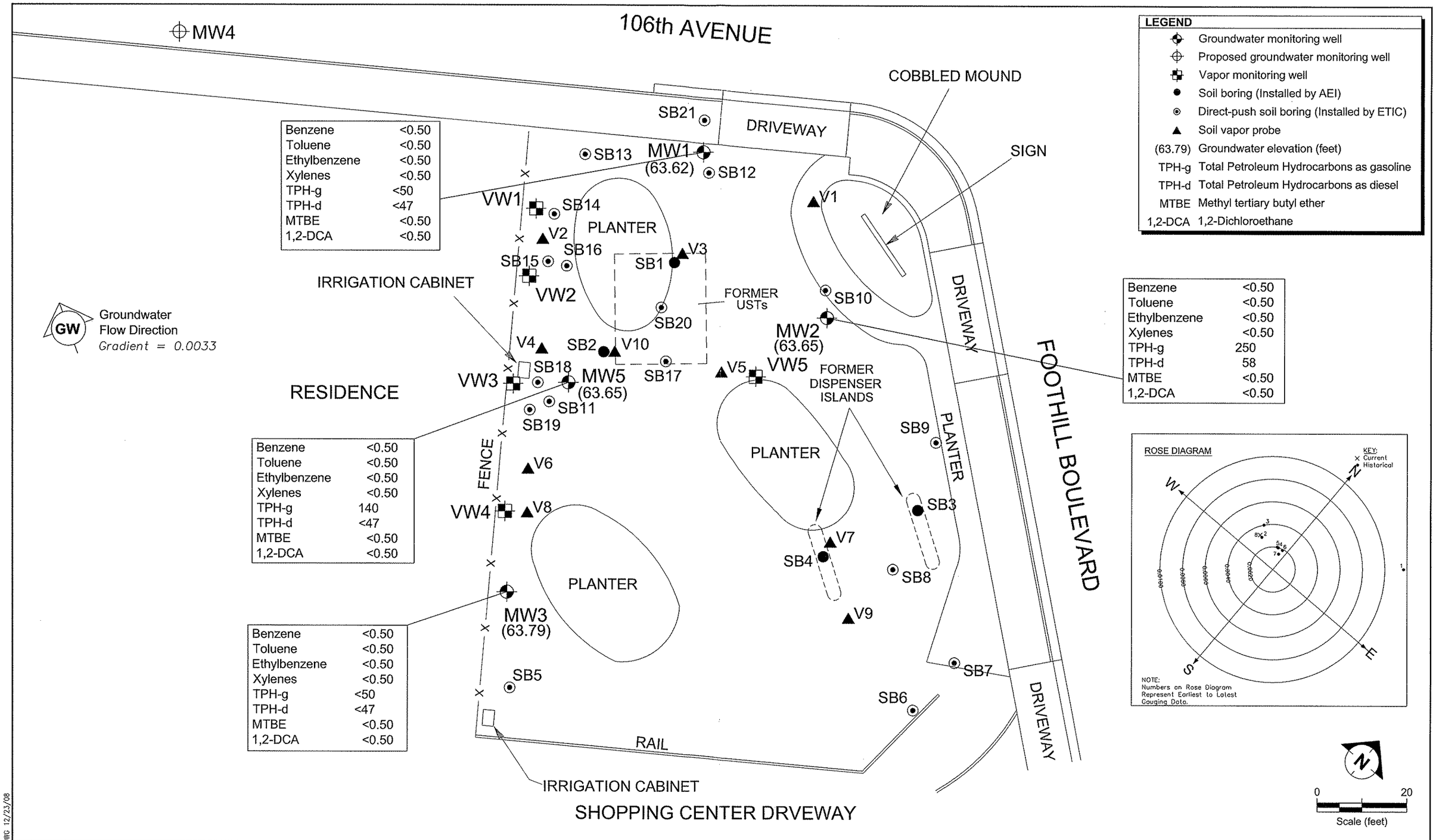
Attachments:

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: 402008.DWG 12/23/08

ETIC ENGINEERING

SITE MAP SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
FORMER EXXON RS 74121
10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA
1 DECEMBER 2008

FIGURE:
1

Tables

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER EXXON RS 74121, 10605 FOOTHILL BOULEVARD, 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	a	01/23/07	82.47	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW2	a	01/23/07	84.40	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW3	a	01/24/07	83.25	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW5	a	01/23/07	82.65	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
VW1	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW2	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW3	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW4	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW5	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand

Notes:

a Well surveyed on 12 March 2007 by Morrow Surveying.

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

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RETAIL SITE 74121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Concentration (µg/L)												
						Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	MTBE	TBA	DIPE	ETBE	1,2-DCA	TAME	EDB
MW1	03/08/07	82.47	15.10	67.37	0.00	<1.00	1.21	<1.00	<3.00	440	119	1.91	<10.0	<0.500	<0.500	<0.500	0.560	<0.500
MW1	06/08/07	82.47	16.47	66.00	0.00	<0.50	<0.50	<0.50	<0.50	127	<47.6	0.880	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW1	09/06/07	82.47	17.47	65.00	0.00	<0.50	<0.50	<0.50	<0.50	78.0	<47.2	0.590	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW1	12/03/07	82.47	18.10	64.37	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	03/19/08	82.47	16.20	66.27	0.00	<0.50	<0.50	<0.50	<0.50	51.3	61[e]	3.08	<10.0	<0.500	<0.500	<0.500	0.930	<0.500
MW1	06/11/08	82.47	17.24	65.23	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	0.99	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	09/16/08	82.47	18.37	64.10	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	**12/01/08**	**82.47**	**18.85**	**63.62**	**0.00**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<50**	**<47**	**<0.50**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW2	03/08/07	84.40	16.97	67.43	0.00	1.33	3.52	2.41	<3.00	1,620	550	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW2	06/08/07	84.40	18.34	66.06	0.00	21.8	2.45	0.66	<0.50	2,120	395	<0.500	10.0[c]	<0.500	<0.500	<0.500	<0.500	<0.500
MW2	09/06/07	84.40	19.33	65.07	0.00	4.66	0.70	<0.50	1.25	470	208	<0.500	<10.0[a,c]	<0.500	<0.500	<0.500	<0.500	<0.500
MW2	12/03/07	84.40	19.97	64.43	0.00	22[d]	<0.50	<0.50	<0.50	560	120[e]	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	03/19/08	84.40	18.07	66.33	0.00	5.33	<0.50	<0.50	0.82	630	200[e]	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW2	06/11/08	84.40	19.13	65.27	0.00	<0.50	<0.50	<0.50	<0.50	430	110[e]	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	09/16/08	84.40	20.25	64.15	0.00	8.1[d]	<0.50	<0.50	<0.50	230	63[e]	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	**12/01/08**	**84.40**	**20.75**	**63.65**	**0.00**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**250**	**58[e]**	**<0.50**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW3	03/08/07	83.25	15.49	67.76	0.00	<1.00	<1.00	<1.00	<3.00	<100	52.9	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW3	06/08/07	83.25	17.02	66.23	0.00	<0.50	<0.50	<0.50	<0.50	<50.0	<47.6	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW3	09/06/07	83.25	18.07	65.18	0.00	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW3	12/03/07	83.25	18.69	64.56	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW3	03/19/08	83.25	16.79	66.46	0.00	<0.50	<0.50	<0.50	<0.50	<50.0	<47	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW3	06/11/08	83.25	17.82	65.43	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW3	09/16/08	83.25	18.99	64.26	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW3	**12/01/08**	**83.25**	**19.46**	**63.79**	**0.00**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<50**	**<47**	**<0.50**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW5	03/08/07	82.65	14.31	68.34	0.00	<1.00	<1.00	<1.00	<3.00	187	59.2	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	06/08/07	82.65	16.64	66.01	0.00	4.38	0.72	<0.50	<0.50	780	90.3	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	09/06/07	82.65	17.62	65.03	0.00	<0.50	<0.50	<0.50	<0.50	<50.0	121	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	12/03/07	82.65	18.27	64.38	0.00	<0.50	<0.50	<0.50	<0.50	100	65[e]	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	03/19/08	82.65	16.37	66.28	0.00	0.69	<0.50	<0.50	0.87	237	110[e]	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	06/11/08	82.65	17.40	65.25	0.00	<0.50	<0.50	<0.50	0.65	83	77[e]	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	09/16/08	82.65	18.54	64.11	0.00	<0.50	<0.50	<0.50	<0.50	120	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	**12/01/08**	**82.65**	**19.00**	**63.65**	**0.00**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**140**	**<47**	**<0.50**	**<20**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**

Notes: MTBE analyzed by EPA Method 8260B unless otherwise indicated.

a Calibration verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

b Laboratory control sample and/or laboratory control sample duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

c Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.

d The relative percent difference between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported.

e Does not match typical pattern.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RETAIL SITE 74121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Concentration (µg/L)												
						Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	MTBE	TBA	DIPE	ETBE	1,2-DCA	TAME	EDB

1,2-DCA 1,2-Dichloroethane.
DIPE Diisopropyl ether.
EDB 1,2-Dibromoethane.
ETBE Ethyl tertiary butyl ether.
MTBE Methyl tertiary butyl ether.
TAME Tertiary amyl methyl ether.
TBA Tertiary butyl alcohol.
TPH-d Total Petroleum Hydrocarbons as diesel analyzed by EPA Method 8015B.
TPH-g Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8015B.

µg/L Micrograms per liter.

TABLE 3 GROUNDWATER MONITORING PLAN, FORMER EXXON RS 74121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency		
		TPH-g, TPH-d, and BTEX	MTBE	Other Oxygenates and Additives
MW1	Q	Q	Q	Q
MW2	Q	Q	Q	Q
MW3	Q	Q	Q	Q
MW5	Q	Q	Q	Q

Notes: Oxygenates and additives include diisopropyl ether, tertiary butyl alcohol, tertiary amyl methyl ether, ethyl tertiary butyl ether, 1,2-dibromoethane, and 1,2-dichloroethane.

BTEX Benzene, toluene, ethylbenzene, and xylenes.
MTBE Methyl tertiary butyl ether.
Q Quarterly.
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

ETIC ENGINEERING

MONITORING WELL DATA FORM

Client: **Former Exxon 74121**

Date: 12-01-08

Project Number: **UP4121.1.6**

Station Number: **74121**

Site Location:
10605 Foothill Boulevard, Oakland, CA

Samplers: TBINDER

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	18.85	N.P	0.00	0		24.14	2"
MW2	20.15	N.P	0.00	0		24.75	2"
MW3	19.46	N.P	0.00	0		23.59	2"
MW5	19.00	N.P	0.00	0		25.43	2"

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No: MW1	Date: 12-01-08
Project No:	UP4121.1.6	Personnel:	TRAIDOR

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)
	24.14	−	18.85	=	5.29	X	1	(2)	4	6	0.84	=	2.53
							0.04	0.16	0.64	1.44			

PURGING DATA

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

Time	1016	1018	1020			
Volume Purge (gal)	1.00	2.00	3.00			
Temperature (°C)	17.4	18.1	18.3			
pH	6.42	6.41	6.40			
Spec Cond (umhos)	1269	1304	1308			
Turbidity/Color	SLTY BROWN	SLTY BROWN	SLTY BROWN			
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: 19. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW1	9	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW1	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 3 (gallons) Disposal: SYSTEM

Weather Conditions: OK

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments:

BOLTS	(Y)	/ N
CAP & LOCK	(Y)	/ N
GROUT	(Y)	/ N
WELL BOX.	(Y)	/ N
SECURED	(Y)	/ N

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No: MW2	Date: 12/08
Project No:	UP4121.1.6	Personnel:	TBINDER

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)
							1	(2)	4	6			
	24.75	−	20.75	=	4.0	X	0.04	0.16	0.64	1.44	0.64	=	1.92

PURGING DATA

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

Time	1045	1047	1050			
Volume Purge (gal)	1.00	2.0	3.00			
Temperature (°C)	17.3	17.4	17.8			
pH	6.60	6.67	7.01			
Spec Cond (umhos)	1122	1066	1081			
Turbidity/Color	SLIGHT GRAY	SLIGHT GRAY	SLIGHT CLOUDY			
Odor (Y/N)	YES	YES	YES			
Casing Volumes	1	2	3			
Dewatered (Y/N)	NONE	NONE	NONE			

Comments/Observations:

SAMPLING DATA

Time Sampled: 1055 Approximate Depth to Water During Sampling: 21. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	9	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW2	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 3. (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

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No:	MW3	Date:	12-01-08
Project No:	UP4121.1.6	Personnel:	BINDER		

GAUGING DATA

Water Level Measuring Method: WLM / (B) 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)
	23.57	-	18.99	=	4.58	X	1	(3)	4	6	0.73	=	2.19
							0.04	0.16	0.64	1.44			

PURGING DATA

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

Time	1115	1117	1119			
Volume Purge (gal)	1.00	2.00	3.00			
Temperature (°C)	17.0	17.4	17			
pH	6.65	6.63	6.61			
Spec Cond (umhos)	1390	1414	1423			
Turbidity/Color	SLTLY TBD/BRN	SLTLY TBD/BRN	SLTLY TBD/BRN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 1125 Approximate Depth to Water During Sampling: 19. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW3	9	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW3	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 3. (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

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No: MW5	Date: 12.01.08
Project No:	UP4121.1.6	Personnel:	TBINDER

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)
							1	(2)	4	6			
	25.43	-	19.00	=	6.43	X	0.04	0.16	0.64	1.44	1.02	=	3.08

PURGING DATA

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

Time	11 45	11 47				
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	16.6	17.0				
pH	6.87	6.73				
Spec Cond (umhos)	1013	1139				
Turbidity/Color	SILTY GRAY	SLT GRAY				
Odor (Y/N)	N	N				
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N				

Comments/Observations: Dewatered @ 3.5 Gallons

SAMPLING DATA

Time Sampled: 1205 Approximate Depth to Water During Sampling: 19. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW5	9	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW5	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 3.5 (gallons) Disposal: SYSTEM

Weather Conditions: OK

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: Dewatered

Comments:

BOLTS	(Y)	/ N
CAP & LOCK	(Y)	/ N
GROUT	(Y)	/ N
WELL BOX.	(Y)	/ N
SECURED	(Y)	/ N

Appendix C

Laboratory Analytical Reports and Chain-of-Custody Documentation

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10 December, 2008

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

RE: Exxon 7-4121
Work Order: MRL0033

Enclosed are the results of analyses for samples received by the laboratory on 12/01/08 18:30. The samples arrived at a temperature of 7° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Megan Tran
VOA

CA ELAP Certificate #2682

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1	MRL0033-01	Water	12/01/08 10:25	12/01/08 18:30
MW2	MRL0033-02	Water	12/01/08 10:55	12/01/08 18:30
MW3	MRL0033-03	Water	12/01/08 11:25	12/01/08 18:30
MW5	MRL0033-04	Water	12/01/08 12:05	12/01/08 18:30

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (MRL0033-01) Water Sampled: 12/01/08 10:25 Received: 12/01/08 18:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	8L04001	12/04/08	12/04/08	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		*119 %*	*75-125*		"	"	"	"	
MW2 (MRL0033-02) Water Sampled: 12/01/08 10:55 Received: 12/01/08 18:30									
Gasoline Range Organics (C4-C12)	**250**	50	ug/l	1	8L04001	12/04/08	12/04/08	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		*129 %*	*75-125*		"	"	"	"	*ZX*
MW3 (MRL0033-03) Water Sampled: 12/01/08 11:25 Received: 12/01/08 18:30									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	8L04001	12/04/08	12/04/08	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		*107 %*	*85-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*75-125*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW5 (MRL0033-04) Water Sampled: 12/01/08 12:05 Received: 12/01/08 18:30									
Gasoline Range Organics (C4-C12)	**140**	50	ug/l	1	8L04001	12/04/08	12/04/08	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		*119 %*	*75-125*		"	"	"	"	

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2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (MRL0033-01) Water Sampled: 12/01/08 10:25 Received: 12/01/08 18:30									
Diesel Range Organics (C10-C28)	ND	47	ug/l	1	8L03007	12/03/08	12/03/08	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*85 %*	*35-120*		"	"	"	"	*C8*
MW2 (MRL0033-02) Water Sampled: 12/01/08 10:55 Received: 12/01/08 18:30									
Diesel Range Organics (C10-C28)	**58**	47	ug/l	1	8L03007	12/03/08	12/03/08	EPA 8015B-SVOA	Q1
Surrogate: n-Octacosane		*43 %*	*35-120*		"	"	"	"	*C8*
MW3 (MRL0033-03) Water Sampled: 12/01/08 11:25 Received: 12/01/08 18:30									
Diesel Range Organics (C10-C28)	ND	47	ug/l	1	8L03007	12/03/08	12/03/08	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*89 %*	*35-120*		"	"	"	"	*C8*
MW5 (MRL0033-04) Water Sampled: 12/01/08 12:05 Received: 12/01/08 18:30									
Diesel Range Organics (C10-C28)	ND	47	ug/l	1	8L03007	12/03/08	12/03/08	EPA 8015B-SVOA	
Surrogate: n-Octacosane		*118 %*	*35-120*		"	"	"	"	*C8*

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (MRL0033-01) Water Sampled: 12/01/08 10:25 Received: 12/01/08 18:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	8L03022	12/03/08	12/04/08	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*70-120*		"	"	"	"	
MW2 (MRL0033-02) Water Sampled: 12/01/08 10:55 Received: 12/01/08 18:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	8L03022	12/03/08	12/04/08	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*70-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

Volatile Organic Compounds by EPA Method 8260B

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW3 (MRL0033-03) Water Sampled: 12/01/08 11:25 Received: 12/01/08 18:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	8L03022	12/03/08	12/04/08	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*98 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91 %*	*70-120*		"	"	"	"	
MW5 (MRL0033-04) Water Sampled: 12/01/08 12:05 Received: 12/01/08 18:30									
tert-Amyl methyl ether	ND	0.50	ug/l	1	8L03022	12/03/08	12/04/08	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*80-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*75-130*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*70-120*		"	"	"	"	

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

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
Batch 8L04001 - EPA 5030B [P/T]										
Blank (8L04001-BLK1)				Prepared & Analyzed: 12/04/08						
Gasoline Range Organics (C4-C12)	ND	25	ug/l							
Benzene	ND	0.25	"							
Toluene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Xylenes (total)	ND	0.42	"							
Surrogate: a,a,a-Trifluorotoluene	*42.7*		"	*40.0*		*107*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*46.5*		"	*40.0*		*116*	*75-125*			
LCS (8L04001-BS1)				Prepared & Analyzed: 12/04/08						
Benzene	10.6	0.50	ug/l	10.0		106	70-130			
Toluene	10.4	0.50	"	10.0		104	70-130			
Ethylbenzene	9.91	0.50	"	10.0		99	70-130			
Xylenes (total)	29.9	0.50	"	30.0		100	70-130			
Surrogate: a,a,a-Trifluorotoluene	*41.4*		"	*40.0*		*103*	*85-120*			
LCS (8L04001-BS2)				Prepared & Analyzed: 12/04/08						
Gasoline Range Organics (C4-C12)	232	50	ug/l	250		93	70-130			
Surrogate: 4-Bromofluorobenzene	*45.5*		"	*40.0*		*114*	*75-125*			
LCS Dup (8L04001-BSD2)				Prepared & Analyzed: 12/04/08						
Gasoline Range Organics (C4-C12)	224	50	ug/l	250		90	70-130	3	25	
Surrogate: 4-Bromofluorobenzene	*45.9*		"	*40.0*		*115*	*75-125*			
Matrix Spike (8L04001-MS1)	**Source: MRK0767-01**			Prepared & Analyzed: 12/04/08						
Gasoline Range Organics (C4-C12)	127	50	ug/l	91.0	28.0	108	70-130			
Benzene	10.9	0.50	"	10.0	0.793	101	70-130			
Toluene	10.6	0.50	"	10.0	ND	106	70-130			
Ethylbenzene	10.4	0.50	"	10.0	ND	104	70-130			
Xylenes (total)	31.2	0.50	"	30.0	ND	104	70-130			
Surrogate: a,a,a-Trifluorotoluene	*42.2*		"	*40.0*		*105*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*45.2*		"	*40.0*		*113*	*75-125*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

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
Batch 8L04001 - EPA 5030B [P/T]										
Matrix Spike Dup (8L04001-MSD1)	**Source: MRK0767-01**			Prepared & Analyzed: 12/04/08						
Gasoline Range Organics (C4-C12)	116	50	ug/l	91.0	28.0	97	70-130	9	25	
Benzene	10.7	0.50	"	10.0	0.793	99	70-130	2	25	
Toluene	9.88	0.50	"	10.0	ND	99	70-130	7	25	
Ethylbenzene	10.5	0.50	"	10.0	ND	105	70-130	0.3	25	
Xylenes (total)	30.4	0.50	"	30.0	ND	101	70-130	3	25	
Surrogate: a,a,a-Trifluorotoluene	*43.0*		"	*40.0*		*108*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*43.1*		"	*40.0*		*108*	*75-125*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

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 Limits	RPD	RPD Limit	Notes
Batch 8L03007 - EPA 3510C										
Blank (8L03007-BLK1)				Prepared & Analyzed: 12/03/08						
Diesel Range Organics (C10-C28)	ND	25	ug/l							
Surrogate: n-Octacosane	*37.5*		"	*50.0*		*75*	*35-120*			*C8*
LCS (8L03007-BS1)				Prepared & Analyzed: 12/03/08						
Diesel Range Organics (C10-C28)	336	50	ug/l	500		67	45-120			
Surrogate: n-Octacosane	*30.1*		"	*50.0*		*60*	*35-120*			*C8*
LCS Dup (8L03007-BSD1)				Prepared & Analyzed: 12/03/08						
Diesel Range Organics (C10-C28)	423	50	ug/l	500		85	45-120	23	25	
Surrogate: n-Octacosane	*43.3*		"	*50.0*		*87*	*35-120*			*C8*

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

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

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L03022 - EPA 5030B P/T										
Blank (8L03022-BLK1)				Prepared & Analyzed: 12/03/08						
tert-Amyl methyl ether	ND	0.25	ug/l							
tert-Butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
Ethyl tert-butyl ether	ND	0.25	"							
Methyl tert-butyl ether	ND	0.25	"							
Surrogate: Dibromofluoromethane	*7.69*		"	*7.50*		*103*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*7.47*		"	*7.50*		*100*	*75-130*			
Surrogate: Toluene-d8	*7.51*		"	*7.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*7.02*		"	*7.50*		*94*	*70-120*			
LCS (8L03022-BS1)				Prepared & Analyzed: 12/03/08						
tert-Amyl methyl ether	11.8	0.50	ug/l	10.0		118	70-130			
tert-Butyl alcohol	204	20	"	200		102	70-130			
Di-isopropyl ether	10.4	0.50	"	10.0		104	70-130			
1,2-Dibromoethane (EDB)	11.7	0.50	"	10.0		117	70-130			
1,2-Dichloroethane	10.4	0.50	"	10.0		104	70-130			
Ethyl tert-butyl ether	10.7	0.50	"	10.0		107	70-130			
Methyl tert-butyl ether	10.9	0.50	"	10.0		109	70-130			
Surrogate: Dibromofluoromethane	*8.10*		"	*7.50*		*108*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*7.42*		"	*7.50*		*99*	*75-130*			
Surrogate: Toluene-d8	*7.76*		"	*7.50*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*7.70*		"	*7.50*		*103*	*70-120*			
Matrix Spike (8L03022-MS1)		**Source: MRK0775-01**		Prepared: 12/03/08		Analyzed: 12/04/08				
tert-Amyl methyl ether	9.77	0.50	ug/l	10.0	ND	98	70-130			
tert-Butyl alcohol	210	20	"	200	3.08	104	70-130			
Di-isopropyl ether	10.2	0.50	"	10.0	0.100	100	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	"	10.0	ND	104	70-130			
1,2-Dichloroethane	9.40	0.50	"	10.0	ND	94	70-130			
Ethyl tert-butyl ether	9.71	0.50	"	10.0	ND	97	70-130			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
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FAX (408) 782-6308
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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project: Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number: 7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager: Erik Appel	12/10/08 17:16

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

Analyte	Result	Evaluation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L03022 - EPA 5030B P/T										
Matrix Spike (8L03022-MS1)	**Source: MRK0775-01**			Prepared: 12/03/08		Analyzed: 12/04/08				
Methyl tert-butyl ether	9.47	0.50	ug/l	10.0	ND	95	70-130			
Surrogate: Dibromofluoromethane	*7.61*		"	*7.50*		*101*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*6.69*		"	*7.50*		*89*	*75-130*			
Surrogate: Toluene-d8	*7.63*		"	*7.50*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*7.32*		"	*7.50*		*98*	*70-120*			
Matrix Spike Dup (8L03022-MSD1)	**Source: MRK0775-01**			Prepared: 12/03/08		Analyzed: 12/04/08				
tert-Amyl methyl ether	9.48	0.50	ug/l	10.0	ND	95	70-130	3	25	
tert-Butyl alcohol	207	20	"	200	3.08	102	70-130	1	25	
Di-isopropyl ether	9.29	0.50	"	10.0	0.100	92	70-130	9	25	
1,2-Dibromoethane (EDB)	9.81	0.50	"	10.0	ND	98	70-130	6	25	
1,2-Dichloroethane	8.88	0.50	"	10.0	ND	89	70-130	6	25	
Ethyl tert-butyl ether	8.89	0.50	"	10.0	ND	89	70-130	9	25	
Methyl tert-butyl ether	8.73	0.50	"	10.0	ND	87	70-130	8	25	
Surrogate: Dibromofluoromethane	*7.40*		"	*7.50*		*99*	*80-120*			
Surrogate: 1,2-Dichloroethane-d4	*6.26*		"	*7.50*		*83*	*75-130*			
Surrogate: Toluene-d8	*7.50*		"	*7.50*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*7.21*		"	*7.50*		*96*	*70-120*			

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ETIC Engineering Inc - Pleasant Hill (Exxon)	Project:	Exxon 7-4121	MRL0033
2285 Morello Avenue	Project Number:	7-4121	**Reported:**
Pleasant Hill CA, 94523	Project Manager:	Erik Appel	12/10/08 17:16

Notes and Definitions

ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
Q1	Does not match typical pattern
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
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

TestAmerica INCORPORATED
Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037
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ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVE.
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: ERK APPEL - Project #: UP4121.1.6
Consultant Telephone Number: 925-602-4710 EXT.21 Fax No.: 925-602-4720
Sampler Name: (Print) BALJINDER Gahlit
Sampler Signature:

TA Account #: 10236
Invoice To: JENNIFER SEDLACHEK (XOMTM)
Report To: eticlabreports@eticeng.com
PO #: 4509320596
Facility ID # 74121 -
Site Address 10605 Foothill Boulevard
City, State, Zip Oakland, California
Regulatory District (CA)

MRL0033

	Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: * TPH-G BY 8015B	TPH-D BY 8015B/3510 *	BTEX BY 8021B	MTBE BY 8260B	OXYGENATES BY 8260B **	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
01	MW1	12-01-08	1025	11				X		X						X						X	X	X	X	X			X	
02	MW2		1055	11				X		X						X						X	X	X	X	X			X	
03	MW3		1125	11				X		X						X						X	X	X	X	X			X	
04	MW5		1205	11				X		X						X						X	X	X	X	X			X	

Special Instructions:
GLOBAL ID# T0600120383
EDF FILE REQUIRED
* USE SILICAGEL CLEANUP FOR TPH-D ANALYSIS.
** OXYGENATES ARE: TBA, DIPE, ETBE, TAME, EDB, AND 1,2-DCA

Laboratory Comments:
Temperature Upon Receipt: 6.3°C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
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 specifc instructions

Relinquished by:	Date	Time	Received by:	Date	Time
	12-01-08	1300	(TAMH)	12/1/08	1605
	12/1/08	1830		12/1/08	12/1/08

Received by TestAmerica:

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ETIC ENGINEERING
REC. BY (PRINT) AG
WORKORDER: MRL00033

DATE REC'D AT LAB: 12/1/08
TIME REC'D AT LAB: 1830
DATE LOGGED IN: 12/02/08

For Regulatory Purposes?
___ DRINKING WATER
___ WASTE WATER
X OTHER

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH**	SAMPLE MATRIX	DATE SAMPLED	Temp. >6°C	REMARKS: CONDITION
1. Custody Seal(s) Present / Absent	01	MW1	40mL VOA (9)			W	12/1/08	NO	
Intact / Broken*	01	MW1	1L Amb. (2)	HCl					
2. Chain-of-Custody Present / Absent*	02	MW2		=					
3. Traffic Reports or Packing List: Present / Absent	03	3	same as MW1	=					
	04	5		=					
4. Airbill / Sticker - Present / Absent Tracking #									
5. Sample Condition: Intact/Leaking*/Broken*									
6. Samples labeled Yes / No*									
7. Sample ID's listed on COC Yes / No*									
8. Does information on COC and sample labels agree? Yes / No*									
9. Sample received within hold time: Yes / No*									
10. Adequate sample volume received Yes / No*									
11. Proper preservatives used Yes / No*									
12. Trip Blank / Temp Blank Received? (circle which if yes) AG Yes / No									
13. Thermometer Used : IR-1 / IR-3 / Backup									
14. Cooler RT*** CF*** CT***									
1 78 -1.0 60									
2									
3									
4									
5									
15. Is/Are corrected temp 0-6°C? Yes / No*									
**Exception (if any): Metals / Perchlorate / W/in 24hrs of sampling-on ice / Problem COC									

12/1/08
AG

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION
**CHECK SAMPLE PREP LOG IF NOT INDICATED
*** Read Temperature/Correction Factor/Corrected Temperature