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Gene N. Ortega
Territory Manager
Global Remediation – U.S. Retail

ExxonMobil
Refining & Supply

April 26, 2002

MAY 01 2002

Ms. Eva Chu
Alameda County Health Agency
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Subject: Former Exxon RAS #7-0210, 7840 Amador Valley Boulevard, Dublin, California

Dear Ms. Chu:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, First Quarter* 2002 for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the February 2002 sampling event.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,

Gene N. Ortega
Territory Manager

Attachment: ETIC Groundwater Monitoring Report dated April 2002

c: w/ attachment:
Mr. Joseph A. Aldridge - Valero Energy Corporation

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

RO-2424

MAY 01 2002

ETIC
Engineering, Inc.

Report of Groundwater Monitoring
First Quarter 2002

Former Exxon Retail Site 7-0210
7840 Amador Valley Boulevard
Dublin, California

Prepared for

ExxonMobil Refining and Supply Company
2300 Clayton Road, Suite 1250
Concord, California 94520

Prepared by

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

Ted Moise
Project Manager

4/25/02
Date

Heidi Dieffenbach-Carle
Heidi Dieffenbach-Carle, R.G. #6793
Senior Geologist

April 25, 2002
Date

REGISTERED GEOLOGIST
HEIDI L. DIEFFENBACH-CARLE
No. 6793
exp 03/31/04
STATE OF CALIFORNIA

April 2002

SITE CONTACTS

Station Number:	Former Exxon Retail Site 7-0210
Station Address:	7840 Amador Valley Boulevard Dublin, California
ExxonMobil Project Manager:	Gene N. Ortega ExxonMobil Refining and Supply Company 2300 Clayton Road, Suite 1250 Concord, California 94520 (925) 246-8747
Consultant to ExxonMobil:	ETIC Engineering, Inc. 2285 Morello Avenue Pleasant Hill, California 94523 (925) 602-4710
ETIC Project Manager:	Ted Moise
Regulatory Oversight:	Eva Chu Alameda County Health Agency Division of Environmental Protection Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502 (510) 567-6700

INTRODUCTION

At the request of ExxonMobil Refining and Supply Company, ETIC Engineering, Inc. has prepared this quarterly groundwater monitoring report for former Exxon Retail Site 7-0210. 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 5 November 2001, the date of the last monitoring event, until 27 February 2002, 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

Site name:	Former Exxon Retail Site 7-0210
Site address:	7840 Amador Valley Boulevard, Dublin, California
Current property owner:	Valero Energy Corporation
Current site use:	Active Valero-branded station
Current phase of project:	Groundwater monitoring
Tanks at site:	Three underground storage tanks (gasoline)
Number of wells:	3 (all onsite)

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	4 February 2002 (MW5 and MW7), 27 February 2002 (MW6)
Wells gauged and sampled:	MW5-MW7
Wells gauged only:	None
Groundwater flow direction:	Not calculated
Groundwater gradient:	Not calculated
Well screens submerged:	None
Well screens not submerged:	MW5-MW7
Liquid-phase hydrocarbons:	Not observed or detected
Laboratory:	TestAmerica, Inc., Nashville, Tennessee

Analyses performed:

- Total Petroleum Hydrocarbons as gasoline by EPA Method 8015B
- Total Petroleum Hydrocarbons as diesel by EPA Method 8015B (selected samples)
- Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8021B
- Methyl t-butyl ether by EPA Method 8021B
- Methyl t-butyl ether by EPA Method 8260 (confirmation samples)
- 1,2-Dibromoethane, ethyl t-butyl ether, methyl t-amyl ether, t-butyl alcohol, 1,2-dichloroethane, isopropyl ether by EPA Method 8260B (selected samples)

Due to repaving of the site, well MW6 could not be located on 4 February as the well box had been covered with asphalt. Well MW6 was located, exposed, and sampled on 27 February 2002.

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.

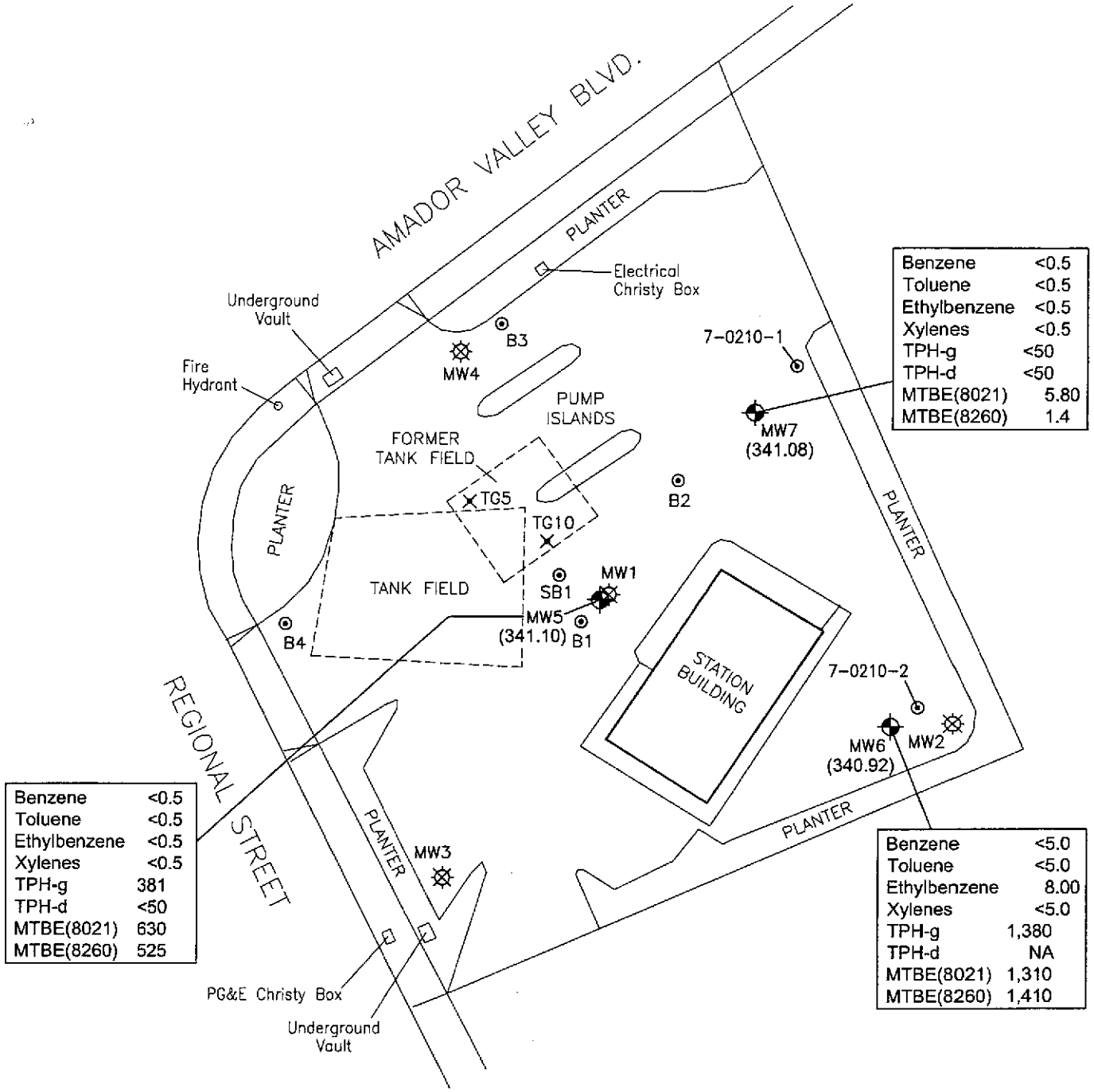
In accordance with the Work Plan for Offsite Subsurface Investigation, submitted in April 2002, ETIC will initiate establishing an access agreement with the owner of the neighboring property.

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



LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- SOIL BORING / GROUNDWATER SAMPLING LOCATION
- CONFIRMATION SOIL SAMPLE
- DESTROYED GROUNDWATER MONITORING WELL
- (341.10) GROUNDWATER ELEVATION (FEET)
- TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- TPH-d TOTAL PETROLEUM HYDROCARBONS AS DIESEL
- MTBE METHYL T-BUTYL ETHER
- NA NOT ANALYZED
- *CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).*

N

0 40

Scale (feet)

NOTES:

1. MW6 was gauged and sampled on 27 February 2002.
2. Groundwater flow and gradient could not be determined due to different monitoring dates.

ETIC Engineering, Inc.

SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BLVD., DUBLIN, CA.
4 AND 27 FEBRUARY 2002

FIGURE: 1

FILENAME: 1Q2002.DWG 03/21/02

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, 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	04/14/92	96.32	PVC	26.5	24.75	10.25	4	11-24	0.010	10-25	--
MW2	a	05/13/92	95.91	PVC	26	25	10.25	4	10-25	0.010	9.5-26	--
MW3	a	05/14/92	97.95	PVC	28	27.75	10.25	4	12.5-27.5	0.010	11-28	--
MW4	a	05/14/92	96.69	PVC	26.5	25	10.25	4	12-25	0.010	11-26	--
MW5	b	11/15/00	352.95	PVC	25	25	8.25	2	10-25	0.020	7-25	#3 sand
MW6	b	11/14/00	352.69	PVC	27	25	8.25	2	10-25	0.020	8-27	#3 sand
MW7	b	11/14/00	351.87	PVC	26	25	8.25	2	10-25	0.020	7-25	#3 sand

a Well was destroyed April 1996.
b Elevation is based on the Alameda Benchmark AM-STW. Elevation = 344.17 feet.
PVC Polyvinyl chloride.
TOC Top of casing.
-- Information not available.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	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)	Other Oxygenates and Additives (µg/L)
MW1	05/21/92	96.32	14.45	81.87	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW1	02/10/93	96.32	12.22	84.10	0.00	3.1	<0.5	1.8	0.6	2,600		NA	
MW1	05/20/93	96.32	10.74	85.58	0.00	1.9	<0.5	1.8	<1.0	1,000		NA	
MW1	06/23/93	96.32	11.74	84.58	0.00	1.0	<0.5	1.2	<0.5	1,300		NA	
MW1	08/23/93	96.32	12.72	83.60	0.00	<0.5	<0.5	<0.5	0.8	80		NA	
MW1	10/25/93	96.32	13.99	82.33	0.00	<0.5	<0.5	0.8	1.3	140		NA	
MW1	02/16/94	96.32	14.90	81.42	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW1	04/16/94	96.32	14.49	81.83	0.00	<0.5[b]	<0.5	<0.5	<0.5	190		NA	
MW1	07/26/94	96.32	15.11	81.21	0.00	<0.5[b]	<0.5	<0.5	<0.5	130		NA	
MW1	10/05/94	96.32	15.69	80.63	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW1	01/04/95	96.32	14.66	81.66	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW1	06/12/95	96.32	10.08	86.24	0.00	<0.5	<0.5	<0.5	<0.5	<50		230	
MW1			Well destroyed April 1996.										
MW2	05/21/92	95.91	14.30	81.61	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW2	02/10/93	95.91	12.34	83.57	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW2	05/20/93	95.91	10.73	85.18	0.00	<0.5	<0.5	<0.5	<1.0	320		NA	
MW2	06/23/93	95.91	11.74	84.17	0.00	<0.5	<0.5	<0.5	<0.5	130		NA	
MW2	08/23/93	95.91	12.60	83.31	0.00	<0.5	<0.5	<0.5	1.1	140		NA	
MW2	10/25/93	95.91	13.86	82.05	0.00	<0.5	<0.5	0.5	2.4	75		NA	
MW2	02/16/94	95.91	14.73	81.18	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW2	04/16/94	95.91	14.33	81.58	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW2	07/26/94	95.91	14.96	80.95	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW2	10/05/94	95.91	15.49	80.42	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW2	01/04/95	95.91	14.44	81.47	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	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)	Other Oxygenates and Additives (µg/L)
MW2	06/12/95	95.91	10.10	85.81	0.00	<0.5	<0.5	<0.5	<0.5	<50		59	
MW2			Well destroyed April 1996.										
MW3	05/21/92	97.95	16.05	81.90	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW3	02/10/93	97.95	13.77	84.18	0.00	<0.5	<0.5	<0.5	0.7	<50		NA	
MW3	05/20/93	97.95	12.32	85.63	0.00	<0.5	<0.5	<0.5	<1.0	<50		NA	
MW3	06/23/93	97.95	13.34	84.61	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW3	08/23/93	97.95	14.30	83.65	0.00	2.3	1.2	1.4	4.1	<50		NA	
MW3	10/25/93	97.95	15.62	82.33	0.00	NS	NS	NS	NS	NS		NS	
MW3	02/16/94	97.95	16.48	81.47	0.00	NS	NS	NS	NS	NS		NS	
MW3	04/16/94	97.95	16.61	81.34	0.00	NS	NS	NS	NS	NS		NS	
MW3	07/26/94	97.95	16.72	81.23	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW3	10/05/94	97.95	17.33	80.62	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW3	01/04/95	97.95	16.29	81.66	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW3	06/12/95	97.95	11.67	86.28	0.00	<0.5	<0.5	<0.5	<0.5	<50		<2.5	
MW3			Well destroyed April 1996.										
MW4	05/21/92	96.69	14.59	82.10	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW4	02/10/93	96.69	12.30	84.39	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW4	05/20/93	96.69	10.75	85.94	0.00	1.4	1.0	<0.5	1.8	<50		NA	
MW4	06/23/93	96.69	11.78	84.91	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW4	08/23/93	96.69	12.82	83.87	0.00	<0.5	<0.5	<0.5	0.8	<50		NA	
MW4	10/25/93	96.69	14.10	82.59	0.00	NS	NS	NS	NS	NS		NS	
MW4	02/16/94	96.69	15.02	81.67	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW4	04/16/94	96.69	14.61	82.08	0.00	NS	NS	NS	NS	NS		NS	

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	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)	Other Oxygenates and Additives (µg/L)
MW4	07/26/94	96.69	15.23	81.46	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW4	10/05/94	96.69	15.85	80.84	0.00	<0.5	12	<0.5	<0.5	<50		NA	
MW4	01/04/95	96.69	14.84	81.85	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA	
MW4	06/12/95	96.69	10.07	86.62	0.00	<0.5	<0.5	<0.5	<0.5	<50		<2.5	
MW4			Well destroyed April 1996.										
MW5	06/15/00	STATION OPERATIONS TRANSFERRED TO VALERO ENERGY CORPORATION											
MW5	11/17/00	352.93	13.51	339.42	0.00	<0.5	<0.5	<0.5	2.46	240		1,500	
MW5	11/17/00	352.93										1,600[a]	
MW5	02/02/01	352.93	13.81	339.12	0.00	<0.5	<0.5	<0.5	<0.5	110		1,400	
MW5	02/02/01	352.93										1,200[a]	
MW5	05/09/01	352.93	12.20	340.73	0.00	<0.5	<0.5	<0.5	<0.5	<50		770[a]	ND[c]
MW5	09/12/01	352.93	13.84	339.09	0.00	<0.5	<0.5	<0.5	<0.5	100		760	NA
MW5	09/12/01	352.93										800[a]	
MW5	11/05/01	352.95	14.14	338.81	0.00	<0.5	<0.5	<0.5	0.61	70	86	510	NA
MW5	11/05/01	352.95										420[a]	
MW5	**02/04/02**	**352.95**	**11.85**	**341.10**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**381**	**d <50**	**630**	**NA**
MW5	**02/04/02**	**352.95**										**525[a]**	
MW6	06/15/00	STATION OPERATIONS TRANSFERRED TO VALERO ENERGY CORPORATION											
MW6	11/17/00	352.66	13.47	339.19	0.00	<0.5	<0.5	<0.5	<0.5	<50		270	
MW6	11/17/00	352.66										260[a]	
MW6	02/02/01	352.66	13.79	338.87	0.00	<0.5	<0.5	<0.5	<0.5	<50		160	
MW6	02/02/01	352.66										130[a]	
MW6	05/09/01	352.66	12.25	340.41	0.00	<0.5	<0.5	<0.5	<0.5	<50		760[a]	ND[c]

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	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)	Other Oxygenates and Additives (µg/L)
MW6	09/12/01	352.66	13.83	338.83	0.00	<0.5	<0.5	<0.5	<0.5	<50			680	NA
MW6	09/12/01	352.66											740[a]	
MW6	11/05/01	352.69	14.11	338.58	0.00	<0.5	<0.5	<0.5	<0.5	<50		<50	390	NA
MW6	11/05/01	352.69											320[a]	
MW6	**02/27/02**	**352.69**	**11.77**	**340.92**	**0.00**	**<5.0**	**<5.0**	**8.00**	**<5.0**	**1,380**	**d**	**NA**	**1,310**	**ND[c]**
MW6	**02/27/02**	**352.69**											**1,410[a]**	
MW7	06/15/00	STATION OPERATIONS TRANSFERRED TO VALERO ENERGY CORPORATION												
MW7	11/17/00	351.86	12.44	339.42	0.00	<0.5	<0.5	<0.5	<0.5	<50			<0.5	
MW7	02/02/01	351.86	12.74	339.12	0.00	<0.5	<0.5	<0.5	<0.5	<50			<0.5	
MW7	05/09/01	351.86	11.15	340.71	0.00	<0.5	<0.5	<0.5	<0.5	<50			<5[a]	ND[c]
MW7	09/12/01	351.86	12.74	339.12	0.00	<0.5	<0.5	<0.5	<0.5	<50			<0.5	NA
MW7	11/05/01	351.87	13.07	338.80	0.00	<0.5	<0.5	<0.5	<0.5	<50		50	<0.5	NA
MW7	**02/04/02**	**351.87**	**10.79**	**341.08**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**d**	**<50**	**5.80**	**NA**
MW7	**02/04/02**	**351.87**											**1.4[a]**	

a Analysis by EPA Method 8260.

b A peak eluting earlier than benzene, suspected to be MTBE.

c Other oxygenates and additives include diisopropyl ether, t-butyl alcohol, tert-amyl methyl ether, tert-butyl ethyl ether, 1,2-dibromoethane, and 1,2-dichloroethane.

d TPH-g results beginning February 2002 include MTBE.

LPH Liquid-phase hydrocarbons.

TPH-g Total Petroleum Hydrocarbons as gasoline.

TPH-d Total Petroleum Hydrocarbons as diesel.

MTBE Methyl tertiary butyl ether.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

Well Number	Date	Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	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)	Other Oxygenates and Additives (µg/L)

NA Not analyzed.

ND Not detected.

NS Not sampled.

µg/L Micrograms per liter.

TABLE 3 GROUNDWATER MONITORING PLAN,
FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency		
		BTEX and TPH-g	TPH-d	MTBE
MW5	Q	Q	Q	Q
MW6	Q	Q	Q	Q
MW7	Q	Q	Q	Q

Q = Quarterly.

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

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 and, if the well does not recover, the well is considered "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 parameters are considered stable when two consecutive readings indicate no greater than a 10 percent change from the previous reading for temperature and electrical conductance and no greater than a 0.1 pH units change from the previous reading for pH. 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, Inc.

MONITORING WELL DATA FORM

Client: *ExxonMobil*	Date: 2/4/2002
Project Number: *UP0210.1*	Station Number: *7-0210*
Site Location: *7840 AMADOR VALLY BLVD., DUBLIN, CA*	Samplers: WN/CM

MONITORING WELL NUMBER	DEPTH TO WATER (TOC) ft.	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	MONITORING WELL INTEGRITY	DEPTH TO BOTTOM (TOC) ft.	WELL CASING DIAMETER in.
MM-5	11.85					24.32	2"
MM-6		Unable	to locate, asphalted	over			2"
MM-7	10.79					23.84	2"

ETIC
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 | Well No: MW5 | Date: 2/4/2002

Project No: UP0210.1 | Personnel: WN/CM

GAUGING DATA

Water Level Measuring Method: WLM | 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			
	29.32	−	11.85	=	12.47	X	0.04	0.16	0.64	1.44	1.99	=	5.99

PURGING DATA

Purge Method: ~~Submersible Pump~~ Waterra | Purge Depth: Screen | Purge Rate: (gpm)

Time	1430	1435	1440			
Volume Purge (gal)	2	4	6			
Temperature (C)	22.2	22.4	20.8			
pH	6.98	6.81	6.84			
Spec.Cond.(umhos)	1439 µS	1429 µS	1422 µS			
Turbidity/Color						
Odor (Y/N)	N	N	N			
Casing Volumes	Silty	Silty	Silty			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 1445 | Approximate Depth to Water During Sampling: 13 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW5	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW5	2	Amber	—	1 L		TPH-d

Total Purge Volume: 6 (gallons) | Disposal: ROMIC

Weather Conditions: clear

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

Well Head Conditions Requiring Correction: NO

Problems Encountered During Purging and Sampling: NO

Comments:

ETIC Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 | Well No: MW7 | Date: 2/4/2002

Project No: UP0210.1 | Personnel: WN/CM

GAUGING DATA

Water Level Measuring Method: WLM | 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)
	23.84	(-)	10.79	(=)	13.05	(X)	1	(2)	4	6	2.08	(=)	6.26
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: ~~Submersible Pump~~ Waterra | Purge Depth: Screen | Purge Rate: (gpm)

Time	14:29	14:31	14:33			
Volume Purge (gal)	2	4	6			
Temperature (C)	69.8°F	68.9°F	68.7°F			
pH	9.29	9.02	8.84			
Spec.Cond.(umhos)	1415µS	1421µS	1426µS			
Turbidity/Color						
Odor (Y/N)	N	N	N			
Casing Volumes	Silty	Silty	Silty			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 14:37 | Approximate Depth to Water During Sampling: 12 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW7	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW7	2	Amber	—	1 L		TPH-d

Total Purge Volume: 6 (gallons) | Disposal: ROMIC

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:

ETIC Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: T-0210 Well No: MW6 Date: 2-27-02

Project No: TM0210.3 Personnel: J. Henry

GAUGING DATA

Water Level Measuring Method: WLM 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)
	24.45	−	11.77	=	12.66	X	1	(2)	4	6	2.00	=	8.00
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Bailer Purge Depth: Purge Rate: (gpm)

Time	1155	1157	1203	1207		
Volume Purge (gal)	2	4	6	8		
Temperature (C)						
pH						
Spec.Cond.(umhos)						
Turbidity/Color	Y / Brn	Y / Brn	Y / Brn	Y / Brn	/	/
Odor (Y/N)	N	N	N	N		
Casing Volumes	Silty	Silty	Silty	Silty		
Dewatered (Y/N)	N	N	N	N		

Comments/Observbations: No pH meter - no parameters

SAMPLING DATA

Time Sampled: 1225 Approximate Depth to Water During Sampling: 11 (feet)

Comments: Property owner stopped & asked me what was going on. I explained & he said that his paving guys would pave around well & make it look go

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW6	6	Voa	HCL	mL	/	
MW6	2	Amber	None	L	/	
					/	
					/	

Total Purge Volume: 8 (gallons) Disposal:

Weather Conditions: Good

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

Well Head Conditions Requiring Correction: New Lock & Head

Problems Encountered During Purging and Sampling: None

Comments: None

Appendix C

Laboratory Analytical Reports

TestAmerica
INCORPORATED

2/19/02

ETIC 3865
John Ortega
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 7-0210 Exxon 7-0210. The Laboratory Project number is 271702. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
MW5	02-A22057	2/ 4/02
MW7	02-A22058	2/ 4/02

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: _____ Report Date: 2/18/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Jennifer P. Flynn, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ETIC 3865
John Ortega
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project: 7-0210
Project Name: Exxon 7-0210
Sampler:

Lab Number: 02-A22057
Sample ID: MW5
Sample Type: Water
Site ID: 7-0210

Date Collected: 2/ 4/02
Time Collected:
Date Received: 2/13/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1	2/16/02	16:08	A. Cobbs	8021B	6648
Ethylbenzene	ND	ug/l	0.50	1	2/16/02	16:08	A. Cobbs	8021B	6648
Toluene	ND	ug/l	0.50	1	2/16/02	16:08	A. Cobbs	8021B	6648
Xylenes (Total)	ND	ug/l	0.50	1	2/16/02	16:08	A. Cobbs	8021B	6648
Methyl-t-butylether	630.	ug/l	2.50	5	2/18/02	11:18	A. Cobbs	8021B	9969
TPH (Gasoline Range)	381.	ug/l	50.0	1	2/16/02	16:08	A. Cobbs	8015M/5030	6648
TPH (Diesel Range)	ND	ug/l	50.0	1	2/16/02	0:50	D.Haywood	8015B/3510	7787

MTBE confirmed by GC/MS method 8260 @ 525 ug/l

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	2/14/02		D. Harris	3510

Surrogate	% Recovery	Target Range
surr-o-Terphenyl	105.	50. - 150.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A22057
Sample ID: MW5
Project: 7-0210

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	107.	67. - 135.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ETIC 3865
John Ortega
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project: 7-0210
Project Name: Exxon 7-0210
Sampler:

Lab Number: 02-A22058
Sample ID: MW7
Sample Type: Water
Site ID: 7-0210

Date Collected: 2/ 4/02
Time Collected:
Date Received: 2/13/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	0.50	1	2/16/02	16:38	A. Cobbs	8021B	6648
Ethylbenzene	ND	ug/l	0.50	1	2/16/02	16:38	A. Cobbs	8021B	6648
Toluene	ND	ug/l	0.50	1	2/16/02	16:38	A. Cobbs	8021B	6648
Xylenes (Total)	ND	ug/l	0.50	1	2/16/02	16:38	A. Cobbs	8021B	6648
Methyl-t-butylether	5.80	ug/l	0.50	1	2/16/02	16:38	A. Cobbs	8021B	6648
TPH (Gasoline Range)	ND	ug/l	50.0	1	2/16/02	16:38	A. Cobbs	8015M/5030	6648
TPH (Diesel Range)	ND	ug/l	50.0	1	2/16/02	1:11	D.Haywood	8015B/3510	7787

MTBE confirmed by GC/MS method 8260 @ 1.4 ug/l

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	2/14/02		D. Harris	3510

Surrogate	% Recovery	Target Range
surr-o-Terphenyl	106.	50. - 150.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A22058
Sample ID: MW7
Project: 7-0210

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	67. - 135.

LABORATORY COMMENTS:

ND - Not detected at the report limit.

- Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 7-0210
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.0005	0.0666	0.0500	133#	82. - 125.	6648	BLANK
Toluene	mg/l	< 0.00050	0.05290	0.05000	106	77. - 121.	6648	BLANK
Ethylbenzene	mg/l	< 0.00050	0.05460	0.05000	109	76. - 128.	6648	BLANK
Xylenes (Total)	mg/l	< 0.00050	0.1117	0.1000	112	79. - 125.	6648	BLANK
Methyl-t-butylether	mg/l	< 0.00050	0.05440	0.05000	109	71. - 128.	6648	BLANK
Methyl-t-butylether	mg/l	< 0.00050	0.05380	0.05000	108	71. - 128.	9969	BLANK
TPH (Gasoline Range)	mg/l	< 0.0500	1.01	1.00	101	72. - 126.	6648	BLANK
TPH (Diesel Range)	mg/l	< 0.050	0.708	1.00	71	41. - 121.	7787	BLANK
BTEX/GRO Surr., a,a,a-TFT	% Recovery				95	67. - 135.	6648	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				99	67. - 135.	9969	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0666	0.0576	14.49#	13.	6648
Toluene	mg/l	0.05290	0.05790	9.03	13.	6648
Ethylbenzene	mg/l	0.05460	0.05860	7.07	13.	6648
Xylenes (Total)	mg/l	0.1117	0.1195	6.75	13.	6648
Methyl-t-butylether	mg/l	0.05440	0.05250	3.55	12.	6648
Methyl-t-butylether	mg/l	0.05380	0.05330	0.93	12.	9969
TPH (Gasoline Range)	mg/l	1.01	0.940	7.18	20.	6648
TPH (Diesel Range)	mg/l	0.708	0.642	9.78	46.	7787
BTEX/GRO Surr., a,a,a-TFT	% Recovery		98.			6648
BTEX/GRO Surr., a,a,a-TFT	% Recovery		100.			9969

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 7-0210
Page: 2

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.1000	0.1025	102	82 - 122	6648
Toluene	mg/l	0.1000	0.1034	103	77 - 119	6648
Ethylbenzene	mg/l	0.1000	0.1044	104	76 - 125	6648
Xylenes (Total)	mg/l	0.2000	0.2118	106	73 - 123	6648
Methyl-t-butylether	mg/l	0.1000	0.09720	97	71 - 126	6648
Methyl-t-butylether	mg/l	0.1000	0.09940	99	71 - 126	9969
TPH (Gasoline Range)	mg/l	1.00	1.01	101	75 - 126	6648
TPH (Diesel Range)	mg/l	1.00	0.714	71	46 - 118	7787
BTEX/GRO Surr., a,a,a-TFT	% Recovery			99	67 - 135	6648
BTEX/GRO Surr., a,a,a-TFT	% Recovery			97	67 - 135	9969

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0005	mg/l	6648	2/16/02	15:35
Toluene	< 0.00050	mg/l	6648	2/16/02	15:35
Ethylbenzene	< 0.00050	mg/l	6648	2/16/02	15:35
Xylenes (Total)	< 0.00050	mg/l	6648	2/16/02	15:35
Methyl-t-butylether	< 0.00050	mg/l	6648	2/16/02	15:35
Methyl-t-butylether	< 0.00050	mg/l	9969	2/18/02	9:19
TPH (Gasoline Range)	< 0.0500	mg/l	6648	2/16/02	15:35
TPH (Diesel Range)	< 0.050	mg/l	7787	2/15/02	23:26

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 7-0210
Page: 3

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	6648	2/16/02	15:35
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	9969	2/18/02	9:19

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 271702

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

CHAIN OF CUSTODY RECORD

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Project Mgr: GENE ORTEGA
Telephone Number: (925) 246-8747 Fax No.: (925) 246-8793
Sampler Name: (Print)
Sampler Signature:

Report To: JOHN ORTEGA
Invoice To: (ExxonMobil PM unless otherwise indicate)
Account #: 3865
PO #:
Facility ID # 7-0210
Site Address 7840 AMADOR VALLEY BLVD.
City, State Zip DUBLIN, CA

27202

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	Preservative: HNO_3 (Red Label)	Preservative: HCl (Blue Label)	Preservative: NaOH (Orange Label)	Preservative: H_2SO_4 Plastic (Yellow Label)	Preservative: H_2SO_4 Glass(Yellow Label)	Preservative: None (Black Label)	Preservative: Other (Specify)	Matrix: Groundwater	Matrix: Wastewater	Matrix: Drinking Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	Analyze For: MTBE BY 8021B	Analyze For: CONFIRM MTBE HITS BY 8260B	Analyze For: TPH-D BY 8015	RUSH TAT (Pre-Schedule)	TAT request (In Bus. Days	STD TAT	Fax Results
MW5 22057	2/4		6				X		X						X						X	X	X	X			X	X
[redacted]							X		X						X						X	X	X	X			X	X
MW7 22058	2/4		6				X		X						X						X	X	X	X			X	X

Special Instructions:
GLOBAL ID# T0600100553
EDF file required

CONFIRM ALL MTBE HITS BY 8260B

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2/4/02	15:45			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			[signature]	2-13-2	9:00

Laboratory Comments:
Temperature Upon Receipt: 3.0
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: ETIC Engineering BC# 271702

Cooler Received On: 2-13-2 And Opened On: 2-13-2 By: *Marvin Blumhoefer*

Marvin Blumhofer
(Signature)

1. Temperature of Cooler when opened 3.0 **Degrees Celsius**
2. Were custody seals on outside of cooler?.....YES...NO
   a. If yes, how many, what kind and where: TAPE / Front
3. Were custody seals on containers and intact?.....NO...YES
4. Were the seals intact, signed, and dated correctly?.....YES...NO
5. Were custody papers inside cooler?.....YES...NO
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO
7. Did you sign the custody papers in the appropriate place?.....YES...NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO
12. Did all bottle labels and tags agree with custody papers?.....YES...NO
13. Were correct bottles used for the analysis requested?.....YES...NO
14. a. Were VOA vials received?.....YES...NO
    b. Was there any observable head space present in any VOA vial?.....NO...YES
15. Was sufficient amount of sample sent in each bottle?.....YES...NO
16. Were correct preservatives used?.....YES...NO
17. Was residual chlorine present?.....NO...YES
18. Corrective action taken, if necessary:

    See attached for resolution ORO non-preserved

TestAmerica
INCORPORATED

3/12/02

ETIC 3865
JOHN ORTEGA
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 7-0210 EXXON 7-0210. The Laboratory Project number is 274151. An executed copy of the chain of custody and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
MW6	02-A33130	

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Jennifer Flynn Report Date: 3/11/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Jennifer P. Flynn, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ETIC 3865
JOHN ORTEGA
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project: 7-0210
Project Name: EXXON 7-0210
Sampler:

Lab Number: 02-A33130
Sample ID: MW6
Sample Type: Water
Site ID: 7-0210

Date Collected:
Time Collected:
Date Received: 3/ 2/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/l	5.00	10	3/ 8/02	10:16	D.Ramey	8021B	2231
Ethylbenzene	8.00	ug/l	5.00	10	3/ 8/02	10:16	D.Ramey	8021B	2231
Toluene	ND	ug/l	5.00	10	3/ 8/02	10:16	D.Ramey	8021B	2231
Xylenes (Total)	ND	ug/l	5.00	10	3/ 8/02	10:16	D.Ramey	8021B	2231
Methyl-t-butylether	1310	ug/l	5.00	10	3/ 8/02	10:16	D.Ramey	8021B	2231
TPH (Gasoline Range)	1380	ug/l	500.	10	3/ 8/02	10:16	D.Ramey	8015B/5030	2231
VOLATILE ORGANICS									
1,2-Dibromoethane	ND	ug/l	0.5	1	3/ 7/02	22:51	A. Wilson	8260B	2781
Methyl-t-butyl ether	1410	ug/l	10.0	20	3/ 8/02	13:45	A. Wilson	8260B	6076
Ethyl-t-butylether	ND	ug/l	0.5	1	3/ 7/02	22:51	A. Wilson	8260B	2781
Methyl-t-amyl ether	ND	ug/l	0.5	1	3/ 7/02	22:51	A. Wilson	8260B	2781
Tertiary butyl alcohol	ND	ug/l	10.0	1	3/ 7/02	22:51	A. Wilson	8260B	2781
1,2-Dichloroethane	ND	ug/l	0.5	1	3/ 7/02	22:51	A. Wilson	8260B	2781
Isopropyl ether	ND	ug/l	0.5	1	3/ 7/02	22:51	A. Wilson	8260B	2781

MTBE confirmed by re-peat analysis.

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	101.	67. - 135.
VOA Surr 1,2-DCA-d4	98.	60. - 158.

Sample report continued . . .

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Laboratory Number: 02-A33130
Sample ID: MW6
Project: 7-0210

Surrogate	% Recovery	Target Range
VOA Surr Toluene-d8	100.	82. - 127.
VOA Surr, 4-BFB	105.	72. - 136.
VOA Surr, DBFM	104.	81. - 137.

LABORATORY COMMENTS:

ND = Not detected at the report limit.

= Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 7-0210
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.0005	0.0495	0.0500	99	82. - 125.	2231	BLANK
Toluene	mg/l	< 0.00050	0.04830	0.05000	97	77. - 121.	2231	BLANK
Ethylbenzene	mg/l	< 0.00050	0.05070	0.05000	101	76. - 128.	2231	BLANK
Xylenes (Total)	mg/l	< 0.00050	0.09570	0.1000	96	79. - 125.	2231	BLANK
Methyl-t-butylether	mg/l	< 0.00050	0.05260	0.05000	105	71. - 128.	2231	BLANK
TPH (Gasoline Range)	mg/l	< 0.0500	0.896	1.00	90	72. - 126.	2231	BLANK
BTEX/GRO Surr., a,a,a-TFT	% Recovery				98	67. - 135.	2231	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0495	0.0497	0.40	13.	2231
Toluene	mg/l	0.04830	0.04850	0.41	13.	2231
Ethylbenzene	mg/l	0.05070	0.05090	0.39	13.	2231
Xylenes (Total)	mg/l	0.09570	0.09560	0.10	13.	2231
Methyl-t-butylether	mg/l	0.05260	0.05020	4.67	12.	2231
TPH (Gasoline Range)	mg/l	0.896	0.890	0.67	20.	2231
BTEX/GRO Surr., a,a,a-TFT	% Recovery		97.			2231

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.1000	0.0920	92	82 - 122	2231
Toluene	mg/l	0.1000	0.08880	89	77 - 119	2231
Ethylbenzene	mg/l	0.1000	0.09280	93	76 - 125	2231

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 7-0210

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Xylenes (Total)	mg/l	0.2000	0.1728	86	73 - 123	2231
Methyl-t-butylether	mg/l	0.1000	0.09100	91	71 - 126	2231
TPH (Gasoline Range)	mg/l	1.00	0.896	90	75 - 126	2231
BTEX/GRO Surr., a,a,a-TFT	% Recovery			93	67 - 135	2231

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0507	101	65 - 133	2781
Methyl-t-amyl ether	mg/L	0.0500	0.0487	97	65 - 133	2781
Tertiary butyl alcohol	mg/l	0.500	0.380	76	65 - 133	2781
1,2-Dibromoethane	mg/l	0.05000	0.04820	96	74 - 125	2781
1,2-Dichloroethane	mg/l	0.05000	0.05000	100	66 - 133	2781
Isopropyl ether	mg/l	0.05000	0.04810	96	73 - 130	2781

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0005	mg/l	2231	3/ 7/02	17:27
Toluene	< 0.00050	mg/l	2231	3/ 7/02	17:27
Ethylbenzene	< 0.00050	mg/l	2231	3/ 7/02	17:27
Xylenes (Total)	< 0.00050	mg/l	2231	3/ 7/02	17:27
Methyl-t-butylether	< 0.00050	mg/l	2231	3/ 7/02	17:27
TPH (Gasoline Range)	< 0.0500	mg/l	2231	3/ 7/02	17:27

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 7-0210
Page: 3

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	100.	% Recovery	2231	3/ 7/02	17:27

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0005	mg/l	2781	3/ 7/02	19:16
Methyl-t-amyl ether	< 0.00050	mg/L	2781	3/ 7/02	19:16
Tertiary butyl alcohol	< 0.0100	mg/l	2781	3/ 7/02	19:16
1,2-Dibromoethane	< 0.00050	mg/l	2781	3/ 7/02	19:16
1,2-Dichloroethane	< 0.00050	mg/l	2781	3/ 7/02	19:16
Methyl-t-butyl ether	< 0.00050	mg/l	6076	3/ 8/02	7:34
Isopropyl ether	< 0.00050	mg/l	2781	3/ 7/02	19:16
VOA Surr 1,2-DCA-d4	97.	% Rec	6076	3/ 8/02	7:34
VOA Surr Toluene-d8	99.	% Rec	6076	3/ 8/02	7:34
VOA Surr, 4-BFB	108.	% Rec	6076	3/ 8/02	7:34
VOA Surr, DBFM	104.	% Rec	6076	3/ 8/02	7:34

- Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 274151

[redacted] OF [redacted] ODY [redacted] RD

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

27415 1
33130

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVENUE
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Project Mgr: GENE ORTEGA
Telephone Number: (925) 246-8747 Fax No.: (925) 246-8798
Sampler Name: (Print)
Sampler Signature:

Report To: JOHN ORTEGA
Invoice To: (ExxonMobil PM unless otherwise indicate)
Account #: 3865
PO #:
Facility ID # 7-0210
Site Address 7840 AMADOR VALLEY BLVD.
City, State Zip DUBLIN, CA

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: TPH-G/BTEX BY 8015/8020	MTBE BY 8021B	CONFIRM MTBE HITS BY 8260B	TPH-D BY 8015	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days	STD TAT	Fax Results
MW6 33130			6				X		X						X						X	X	X	X			X	X

Special Instructions:
GLOBAL ID# T0600100553
EDF file required
CONFIRM ALL MTBE HITS BY 8260B

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
	2-27-01	1140			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

TESTAMERICA INC.-NASHVILLE

COOLER RECEIPT FORM

Client: ETIC Engineering 274151

Cooler Received On: 3/2 And Opened On: 3/2 By: SHANE GAMBILL RCH 27451

33130

Shane Gambill
(Signature)

1. Temperature of Cooler when opened 2.0 Degrees Celsius
2. Were custody seals on ouiside of cooler?.....YES...NO
   a. If yes, how many, what kind and where: 1 TAPE Front
3. Were custody seals on containers and intact?.....NO...YES
4. Were the seals intact, signed, and dated correctly?.....~~YES...NO~~
5. Were custody papers inside cooler?.....YES...NO
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO
7. Did you sign the custody papers in the appropriate place?.....YES...NO
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO
12. Did all bottle labels and tags agree with custody papers?.....YES...NO
13. Were correct bottles used for the analysis requested?.....YES...NO
14. a. Were VOA vials received?.....YES...NO
    b. Was there any observable head space present in any VOA vial?.....NO...YES
15. Was sufficient amount of sample sent in each bottle?.....YES...NO
16. Were correct preservatives used?.....YES...NO
17. Was residual chlorine present?.....YES...NO
18. Corrective action taken, if necessary:

See attached for resolution

No Liter Read for BRO

SAMPLE NONCONFORMANCE/COC REVISION FORM

TestAmerica
Nashville Division

274151
33130

DATE RECEIVED 3/2/07

ACCT NO. 3865

COMPANY ETIC Eng.

Relinquished by:	Date/Time:	Received by:	Date/Time
CDP	3/2 5:30	MB	
Relinquished by:	Date/Time:	Received by:	Date/Time:
MB	3/4/2 7:30	UPS	3.4/1200
Relinquished by:	Date/Time:	Received by:	Date/Time:
UPS	3.4/1205	MB	

PROBLEM(S):

FOC/TOC?

TPH METHOD?

EDB METHOD?

NEED LIST OF COMPOUNDS:

TEMPERATURE UPON RECEIPT

ICE -- OR-- NO ICE??

NO COC - PLEASE FAX

DOCUMENTATION LEVEL?

METALS LIST?

TCLP WHAT?

HERB LIST- LONG OR SHORT?

8260 INSTEAD OF 8021?

SATURDAY DELIVERY MARKED?

FIELD TEST-- OUT OF HOLD

NO ANALYSIS REQUESTED

OUT OF HOLDING TIME-- TEST

OTHER: NO Liters Sent for DRO

RESOLUTION: Notified

CONTACTED	DATE/TIME	EMAIL	LEFT MESSAGE
John O	3.4/1201		