ExxonMobil
Refining & Supply Company
Global Remediation
2300 Clayton Road, Suite 1250
Concord, CA 94520
(925) 246-8747 Telephone
(925) 246-8798 Facsimile
gene.n.ortega@exxonmobil.com

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

ExxonMobil
Refining & Supply

April 4, 2003

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94501-6577

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

Dear Mr. Seery:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, First Quarter* 2003 for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the January 2003 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 2003

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

c: w/o attachment:
Mr. Joseph Muehleck - ETIC Engineering, Inc.

ETIC ENGINEERING

Report of Groundwater Monitoring
First Quarter 2003

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

4/4/03
Date

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

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

April 4, 2003
Date

April 2003

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:	Scott Seery Alameda County Health Care Services Agency 1131 Harbor Bay Parkway Alameda, California 94501-6577 (510) 567-6783

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 2002, the date of the last monitoring event, until 24 January 2003, 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 operated by Dublin Valero, Inc.
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:	24 January 2003
Wells gauged and sampled:	MW5-MW7
Wells gauged only:	None
Groundwater flow direction:	East-southeast
Groundwater gradient:	0.004
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
- 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 8260B (confirmation samples)

ADDITIONAL ACTIVITIES PERFORMED AT SITE

In accordance with the Work Plan for Offsite Subsurface Investigation submitted in April 2002, discrete soil and groundwater samples were collected at four offsite locations.

WORK PROPOSED FOR NEXT QUARTER

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

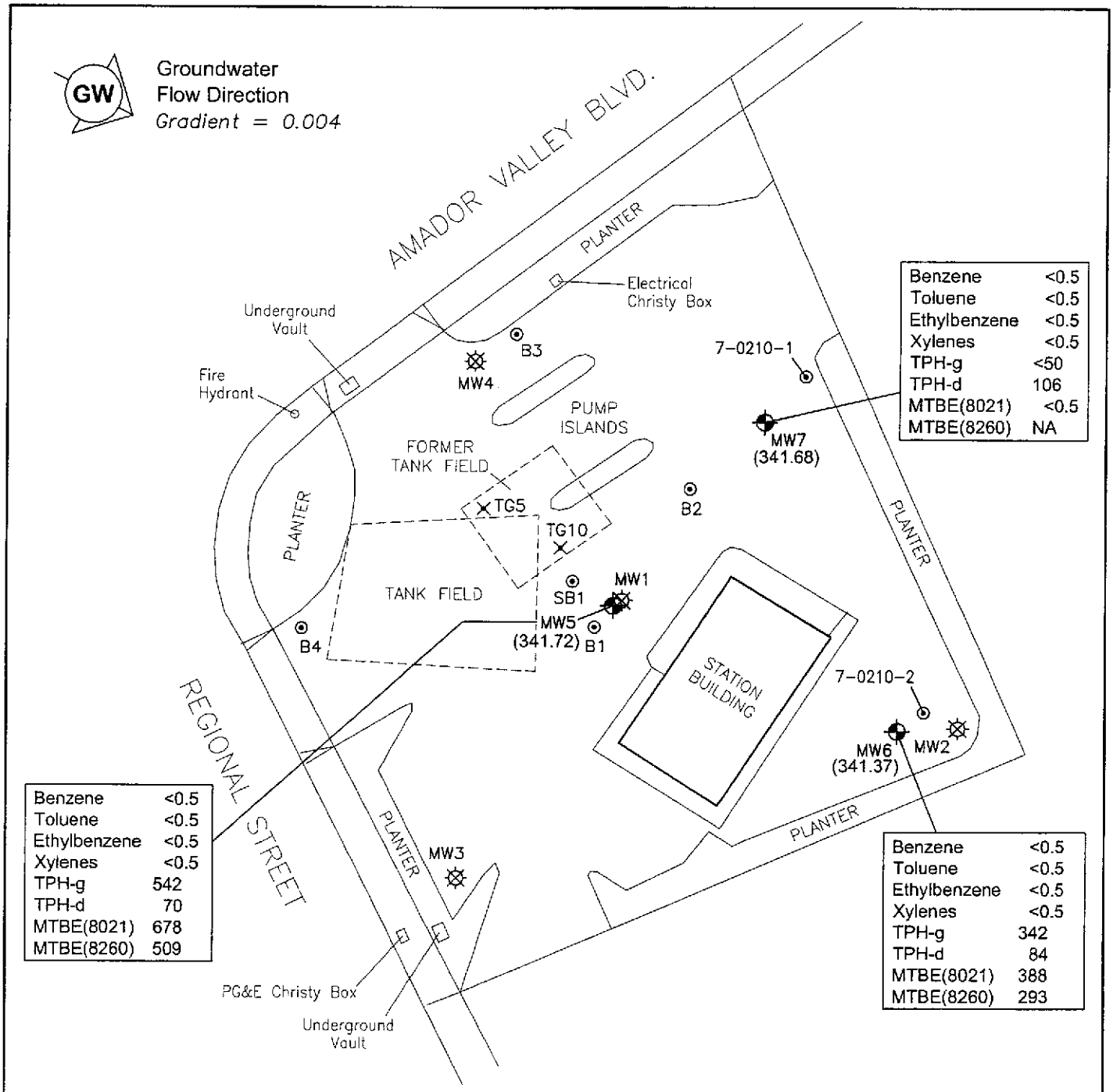
A report presenting the results of the recent drilling activities will be prepared.

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

(341.72) 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)

ETIC ENGINEERING

SITE PLAN SHOWING GROUNDWATER ELEVATIONS
AND ANALYTICAL RESULTS
FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BLVD., DUBLIN, CA.
24 JANUARY 2003

FIGURE: 1

FILENAME: 102003.DWG 03/11/03

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	
MW2	06/12/95	95.91	10.10	85.81	0.00	<0.5	<0.5	<0.5	<0.5	<50		59	

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			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	
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	

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	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]	
MW5	04/26/02	352.95	11.75	341.20	0.00	<0.5	<0.5	<0.5	<0.5	322	d	<50	378	NA
MW5	04/26/02	352.95											312[a]	
MW5	07/30/02	352.95	12.87	340.08	0.00	<0.5	<0.5	<0.5	<0.5	97.8	d	<50	126	NA
MW5	07/30/02	352.95											132[a]	
MW5	11/05/02	352.95	14.13	338.82	0.00	<0.5	<0.5	<0.5	<0.5	74.2	d	<50	80.0	NA
MW5	11/05/02	352.95											96.4[a]	
MW5	**01/24/03**	**352.95**	**11.23**	**341.72**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**542**	**d**	**70**	**678**	**NA**
MW5	**01/24/03**	**352.95**											**509[a]**	
MW6	06/15/00	STATION OPERATIONS TRANSFERRED TO VALERO ENERGY CORPORATION												

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	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]
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]	
MW6	04/26/02	352.69	11.75	340.94	0.00	<0.5	<0.5	<0.5	<0.5	422	d	<50	482	NA
MW6	04/26/02	352.69											430[a]	
MW6	07/30/02	352.69	12.88	339.81	0.00	<2.5	<2.5	<2.5	<2.5	144	d	<50	166	NA
MW6	07/30/02	352.69											185[a]	
MW6	11/05/02	352.69	14.12	338.57	0.00	<0.5	<0.5	<0.5	<0.5	99.7	d	<50	114	NA
MW6	11/05/02	352.69											118[a]	
MW6	**01/24/03**	**352.69**	**11.32**	**341.37**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**342**	**d**	**84**	**388**	**NA**
MW6	**01/24/03**	**352.69**											**293[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

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)
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]	
MW7	04/26/02	351.87	10.65	341.22	0.00	<0.5	<0.5	<0.5	<0.5	<50	d	<50	1.6	NA
MW7	07/30/02	351.87	11.77	340.10	0.00	<0.5	<0.5	<0.5	<0.5	<50	d	<50	<0.5	NA
MW7	11/05/02	351.87	13.04	338.83	0.00	<0.5	<0.5	<0.5	<0.5	<50	d	<50	<0.5	NA
MW7	**01/24/03**	**351.87**	**10.19**	**341.68**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**d**	**106**	**<0.5**	**NA**

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.

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 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: 1/24/03

Project Number: UP0210.1

Station Number: 7-0210

Site Location:
7840 AMADOR VALLY BLVD., DUBLIN, CA

Samplers: CM

MONITORING WELL NUMBER	DEPTH TO WATER (TOC) ft.	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	WELL COMPLETION DEPTH	DEPTH TO BOTTOM (TOC) ft.	WELL CASING DIAMETER in.
MM5	11.23				25.00	23.94	2"
MM6	11.32				25.00	24.47	2"
MM7	10.19				25.00	23.26	2"

ETIC Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW5 Date: 1/24/03

Project No: UP0210.1 Personnel: C. Mitchell

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)
	23.94	−	11.23	=	12.71	X	1	(2)	4	6	2.03	=	6.10
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Waterra Pump

Time	12:19	12:20	12:21			
Volume Purge (gal)	2	4	6			
Temperature (C)	21.1°C	21.4°C	21.4°C			
pH	6.75	6.80	6.80			
Spec.Cond.(umhos)	1391 µS	1385 µS	1380 µS			
Turbidity/Color	Silty	Silty	Silty			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 12:25 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	None	1 L		TPH-d

Total Purge Volume: 6 (gallons) Disposal: ROMIC

Weather Conditions: OK

Condition of Well Box and Casing at Time of Sampling: Grout - 6" but Box holds Water

Well Head Conditions Requiring Correction: 1x Tang broken 2x OK

Problems Encountered During Purging and Sampling: None

Comments:

ETIC Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW6 Date: 1/24/03

Project No: UP0210.1 Personnel: C. Mitchell

GAUGING DATA

Water Level Measuring Method: WLM Measuring Point Description: TOC

	Total Depth (feet)		Depth to Water (feet)		Water Column (feet)		Multiplier for Casing Diameter				Casing Volume (gal)		Total Purge Volume (gal)
WELL PURGE VOLUME CALCULATION	24.47	−	11.32	=	13.15	X	1	(2)	4	6	2.10	=	6.31
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Waterra Pump

Time	11:31	11:32	11:33			
Volume Purge (gal)	2	4	6			
Temperature (C)	19.7°C	20.1°C	20.1°C			
pH	6.83	6.70	6.72			
Spec.Cond.(umhos)	1413 µS	1410 µS	1408 µS			
Turbidity/Color	S. / Ty	S. / Ty	S. / Ty			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 11:40 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
MW6	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW6	2	Amber	None	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: Exxon 7-0210 Well No: MW7 Date: 1/24/03

Project No: UP0210.1 Personnel: C. Mitchell

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			
	23.26	−	10.19	=	13.07	X	0.04	0.16	0.64	1.44	2.09	=	6.27

PURGING DATA

Purge Method: Waterra Pump

Time	11:54	11:57	12:00			
Volume Purge (gal)	2	4	6			
Temperature (C)	20.1°C	20.4°C	20.5°C			
pH	6.73	6.75	6.73			
Spec.Cond.(umhos)	1396 µS	1391 µS	1392 µS			
Turbidity/Color	Slty	Slty	Slty			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 12:05 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	None	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:

Appendix C

Laboratory Analytical Reports

TestAmerica
INCORPORATED

2/ 5/03

ETIC 3865
JAKE HENRY
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 EXXONMOBIL 7-0210. The Laboratory Project number is 317942.
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
MW5	03-A11699	1/24/03
MW6	03-A11700	1/24/03
MW7	03-A11701	1/24/03

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/ 4/03

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
Roxanne L. Connor, 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
JAKE HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 7-0210
Sampler: CHRISTOPHER L.MITCHELL

Lab Number: 03-A11699
Sample ID: MW5
Sample Type: Water
Site ID: 7-0210

Date Collected: 1/24/03
Time Collected: 12:25
Date Received: 1/28/03
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	0.5	1.0	1/31/03	4:58	H. Wagner	8021B	6805
Ethylbenzene	ND	ug/L	0.5	1.0	1/31/03	4:58	H. Wagner	8021B	6805
Toluene	ND	ug/L	0.5	1.0	1/31/03	4:58	H. Wagner	8021B	6805
Xylenes (Total)	ND	ug/L	0.5	1.0	1/31/03	4:58	H. Wagner	8021B	6805
Methyl-t-butylether	678.	ug/L	10.0	20.0	1/31/03	12:25	H. Wagner	8021B	6828
TPH (Gasoline Range)	542.	ug/L	50.0	1.0	1/31/03	4:58	H. Wagner	8015B	6805
TPH (Diesel Range)	70.	ug/L	50.	1.0	2/ 2/03	16:16	D.Haywood	8015B/3510	9506
VOLATILE ORGANICS									
Methyl-t-butyl ether	509.	ug/L	20.0	10.0	2/ 4/03	17:45	S. Udeze	8260B	9854

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/29/03		M. Cauthen	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A11699
Sample ID: MW5
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	91.	41. - 155.
BTEX/GRO Surr., a,a,a-TFT	109.	69. - 132.
VOA Surr 1,2-DCA-d4	104.	73. - 133.
VOA Surr Toluene-d8	99.	80. - 121.
VOA Surr, 4-BFB	113.	80. - 128.
VOA Surr, DBFM	103.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
CAtrph blank low detect; insufficient sample for
re-extraction.

End of Sample Report.

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INCORPORATED

ANALYTICAL REPORT

ETIC 3865
JAKE HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 7-0210
Sampler: CHRISTOPHER L.MITCHELL

Lab Number: 03-A11700
Sample ID: MW6
Sample Type: Water
Site ID: 7-0210

Date Collected: 1/24/03
Time Collected: 11:40
Date Received: 1/28/03
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	0.5	1.0	1/31/03	5:32	H. Wagner	8021B	6805
Ethylbenzene	ND	ug/L	0.5	1.0	1/31/03	5:32	H. Wagner	8021B	6805
Toluene	ND	ug/L	0.5	1.0	1/31/03	5:32	H. Wagner	8021B	6805
Xylenes (Total)	ND	ug/L	0.5	1.0	1/31/03	5:32	H. Wagner	8021B	6805
Methyl-t-butylether	388.	ug/L	5.0	10.0	1/31/03	12:59	H. Wagner	8021B	6828
TPH (Gasoline Range)	342.	ug/L	50.0	1.0	1/31/03	5:32	H. Wagner	8015B	6805
TPH (Diesel Range)	84.	ug/L	50.	1.0	2/ 3/03	15:52	D.Haywood	8015B/3510	5506
VOLATILE ORGANICS									
Methyl-t-butyl ether	293.	ug/L	20.0	10.0	2/ 4/03	18:14	S. Udeze	8260B	9854

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/29/03		M. Cauthen	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 03-A11700
Sample ID: MW6
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	89.	41. - 155.
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 132.
VOA Surr 1,2-DCA-d4	105.	73. - 133.
VOA Surr Toluene-d8	99.	80. - 121.
VOA Surr, 4-BFB	114.	80. - 128.
VOA Surr, DBFM	104.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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ANALYTICAL REPORT

ETIC 3865
JAKE HENRY
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 7-0210
Sampler: CHRISTOPHER L.MITCHELL

Lab Number: 03-A11701
Sample ID: MW7
Sample Type: Water
Site ID: 7-0210

Date Collected: 1/24/03
Time Collected: 12:05
Date Received: 1/28/03
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	0.5	1.0	1/31/03	6:07	H. Wagner	8021B	6805
Ethylbenzene	ND	ug/L	0.5	1.0	1/31/03	6:07	H. Wagner	8021B	6805
Toluene	ND	ug/L	0.5	1.0	1/31/03	6:07	H. Wagner	8021B	6805
Xylenes (Total)	ND	ug/L	0.5	1.0	1/31/03	6:07	H. Wagner	8021B	6805
Methyl-t-butylether	ND	ug/L	0.5	1.0	1/31/03	6:07	H. Wagner	8021B	6805
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	1/31/03	6:07	H. Wagner	8015B	6805
TPH (Diesel Range)	106.	ug/L	50.	1.0	2/ 3/03	16:12	D.Haywood	8015B/3510	5506

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/29/03		M. Cauthen	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	88.	41. - 155.
BTEX/GRO Surr., a,a,a-TFT	107.	69. - 132.

Sample report continued . . .

TestAmerica
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ANALYTICAL REPORT

Laboratory Number: 03-A11701
Sample ID: MW7
Project:

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 1
Laboratory Receipt Date: 1/28/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for MS/MSD analysis for that method and the method requirements for MS/MSD analysis could not be met.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.0005	0.0518	0.0500	104	74. - 129.	6805	03-A11850
Toluene	mg/l	< 0.0005	0.0518	0.0500	104	74. - 128.	6805	03-A11850
Ethylbenzene	mg/l	< 0.0005	0.0512	0.0463	111	75. - 128.	6805	03-A11850
Xylenes (Total)	mg/l	< 0.0005	0.0971	0.100	97	72. - 126.	6805	03-A11850
Methyl-t-butylether	mg/l	< 0.0005	0.0552	0.0500	110	64. - 133.	6805	03-A11850
TPH (Gasoline Range)	mg/l	< 0.0500	1.02	1.00	102	59. - 128.	6805	03-A11850
TPH (Diesel Range)	mg/l	< 0.050	0.882	1.00	88	23. - 120.	5506	BLANK
BTEX/GRO Surr., a,a,a-TFT	% Recovery				102	69 - 132	6805	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0518	0.0538	3.79	15.	6805
Toluene	mg/l	0.0518	0.0539	3.97	15.	6805
Ethylbenzene	mg/l	0.0512	0.0533	4.02	15.	6805
Xylenes (Total)	mg/l	0.0971	0.102	4.92	19.	6805
Methyl-t-butylether	mg/l	0.0552	0.0565	2.33	23.	6805
TPH (Gasoline Range)	mg/l	1.02	1.17	13.70	22.	6805
TPH (Diesel Range)	mg/l	0.882	0.841	4.76	20.	5506
BTEX/GRO Surr., a,a,a-TFT	% Recovery		98.			6805

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 2
Laboratory Receipt Date: 1/28/03

VOA Surr 1,2-DCA-d4	% Rec	107.	9854
VOA Surr Toluene-d8	% Rec	98.	9854
VOA Surr, 4-BFB	% Rec	104.	9854
VOA Surr, DBFM	% Rec	105.	9854

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0889	89	74 - 124	6805
Toluene	mg/l	0.100	0.0890	89	74 - 121	6805
Ethylbenzene	mg/l	0.0870	0.0876	101	75 - 123	6805
Xylenes (Total)	mg/l	0.200	0.176	88	72 - 120	6805
Methyl-t-butylether	mg/l	0.100	0.0944	94	64 - 128	6805
Methyl-t-butylether	mg/l	0.100	0.0947	95	64 - 128	6828
TPH (Gasoline Range)	mg/l	1.00	1.02	102	61 - 139	6805
TPH (Diesel Range)	mg/l	1.00	0.739	74	42 - 115	5506
BTEX/GRO Surr., a,a,a-TFT	% Recovery			95	69 - 132	6805

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Methyl-t-butyl ether	mg/l	0.0500	0.0527	105	66 - 137	9854
VOA Surr 1,2-DCA-d4	% Rec			92	73 - 133	9854
VOA Surr Toluene-d8	% Rec			100	80 - 121	9854
VOA Surr, 4-BFB	% Rec			101	80 - 128	9854
VOA Surr, DBFM	% Rec			100	81 - 121	9854

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 3
Laboratory Receipt Date: 1/28/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0005	mg/l	6805	1/30/03	23:14
Toluene	< 0.0005	mg/l	6805	1/30/03	23:14
Ethylbenzene	< 0.0005	mg/l	6805	1/30/03	23:14
Xylenes (Total)	< 0.0005	mg/l	6805	1/30/03	23:14
Methyl-t-butylether	< 0.0005	mg/l	6805	1/30/03	23:14
Methyl-t-butylether	< 0.0005	mg/l	6828	1/31/03	11:50
TPH (Gasoline Range)	< 0.0500	mg/l	6805	1/30/03	23:14
TPH (Diesel Range)	< 0.050	mg/l	5506	2/ 2/03	10:03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	106.	% Recovery	6805	1/30/03	23:14

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.00014	mg/l	9854	2/ 3/03	11:34
Methyl-t-butyl ether	< 0.00014	mg/l	9854	2/ 4/03	9:56

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 4
Laboratory Receipt Date: 1/28/03

VOA Surr 1,2-DCA-d4	102.	% Rec	9854	2/ 3/03	11:34
VOA Surr 1,2-DCA-d4	99.	% Rec	9854	2/ 4/03	9:56
VOA Surr Toluene-d8	100.	% Rec	9854	2/ 3/03	11:34
VOA Surr Toluene-d8	101.	% Rec	9854	2/ 4/03	9:56
VOA Surr, 4-BFB	108.	% Rec	9854	2/ 3/03	11:34
VOA Surr, 4-BFB	106.	% Rec	9854	2/ 4/03	9:56
VOA Surr, DBFM	104.	% Rec	9854	2/ 3/03	11:34
VOA Surr, DBFM	103.	% Rec	9854	2/ 4/03	9:56

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 317942

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 5
Laboratory Receipt Date: 1/28/03

****
****
****
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The previous group of samples has a request for additional testing based upon these results. See the chain of custody!

Do not destroy this sheet until login has requested the appropriate tests.

TestAmerica INCORPORATED

CHAIN OF CUSTODY RECORD

Nashville Division
2960 Foster Creighton
Nashville, TN 37204
Phone: 615-726-0177
Toll Free: 800-765-0980
Fax: 615-726-3404

317942

ExxonMobil

Consultant Name:	ETIC ENGINEERING	**Report To:**	JACOB HENRY
Address:	2285 MORELLO AVENUE	**Invoice To:**	GENE ORTEGA (EXXONMOBIL TM)
City/State/Zip:	PLEASANT HILL, CA. 94523	**Account #:**	3865
ExxonMobil Project Mgr:	TED MOISE	**PO #:**	4503010627
Telephone Number:	(925) 602-4710 EXT. 23 **Fax No.:** (925) 602-4720	**Facility ID #**	
Sampler Name: (Print)	Christopher L. Mitchell II	**Site Address**	7840 AMADOR VALLEY BLVD.
Sampler Signature:	Christopher L. Mitchell	**City, State Zip**	DUBLIN, CA

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/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
MW5	1/24	1275	8				X		X						X						X	X	X	X		1	1	6	9	9				X	X
MW6	1/24	1140	8				X		X						X						X	X	X	X		1	1	7	0	0				X	X
MW7	1/24	1205	8				X		X						X						X	X	X	X		1	1	7	0	1				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
Christopher L. Mitchell	1/24/03	1430			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	1/27/03	0900		1/28/03	0900

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: ETIC ENGINEERING (3865) BC# 317942

Cooler Received On: 1/28/03 And Opened On: 1/28/03 By: Ben Wright

(Signature)

1. Temperature of Cooler when opened 1.0 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES (NO) N/A
   a. If yes, how many, what kind and where: N/A
   b. Were the seals intact, signed, and dated correctly?.....YES NO (N/A)
3. Were custody seals on containers and intact?.....(NO) YES N/A
4. Were custody papers inside cooler?.....(YES) NO N/A
5. Were custody papers properly filled out (ink,signed,etc)?.....(YES) NO N/A
6. Did you sign the custody papers in the appropriate place?.....(YES) NO N/A
7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Other None
8. Was sufficient ice used (if appropriate)?.....(YES) NO N/A
9. Did all bottles arrive in good condition(unbroken)?.....(YES) NO N/A
10. Were all bottle labels complete (#,date,signed,pres,etc)?.....(YES) NO N/A
11. Did all bottle labels and tags agree with custody papers?.....(YES) NO N/A
12. Were correct bottles used for the analysis requested?.....(YES) NO N/A
13. a. Were VOA vials received?.....(YES) NO N/A
    b. Was there any observable head space present in any VOA vial?.....(NO) YES N/A
14. Was sufficient amount of sample sent in each bottle?.....(YES) NO N/A
15. Were correct preservatives used?.....(YES) NO N/A
    If not, record standard ID of preservative used here_____
16. Was residual chlorine present?.....NO YES (N/A)
17. Corrective action taken, if necessary:

    See attached for resolution