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

ExxonMobil
Refining & Supply

June 16, 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, Second Quarter* 2003 for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the April 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 June 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
Second 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

6/13/03
Date

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

6/16/03
Date

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

June 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 24 January 2003, the date of the last monitoring event, until 24 April 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:	Dublin Valero, Inc.
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 April 2003
Wells gauged and sampled:	MW5-MW7
Wells gauged only:	None
Groundwater flow direction:	East-southeast
Groundwater gradient:	0.004
Well screens submerged:	MW7
Well screens not submerged:	MW5-MW6
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

A report presenting results of an offsite investigation which included the collection of depth discrete soil and groundwater samples was submitted.

WORK PROPOSED FOR NEXT QUARTER

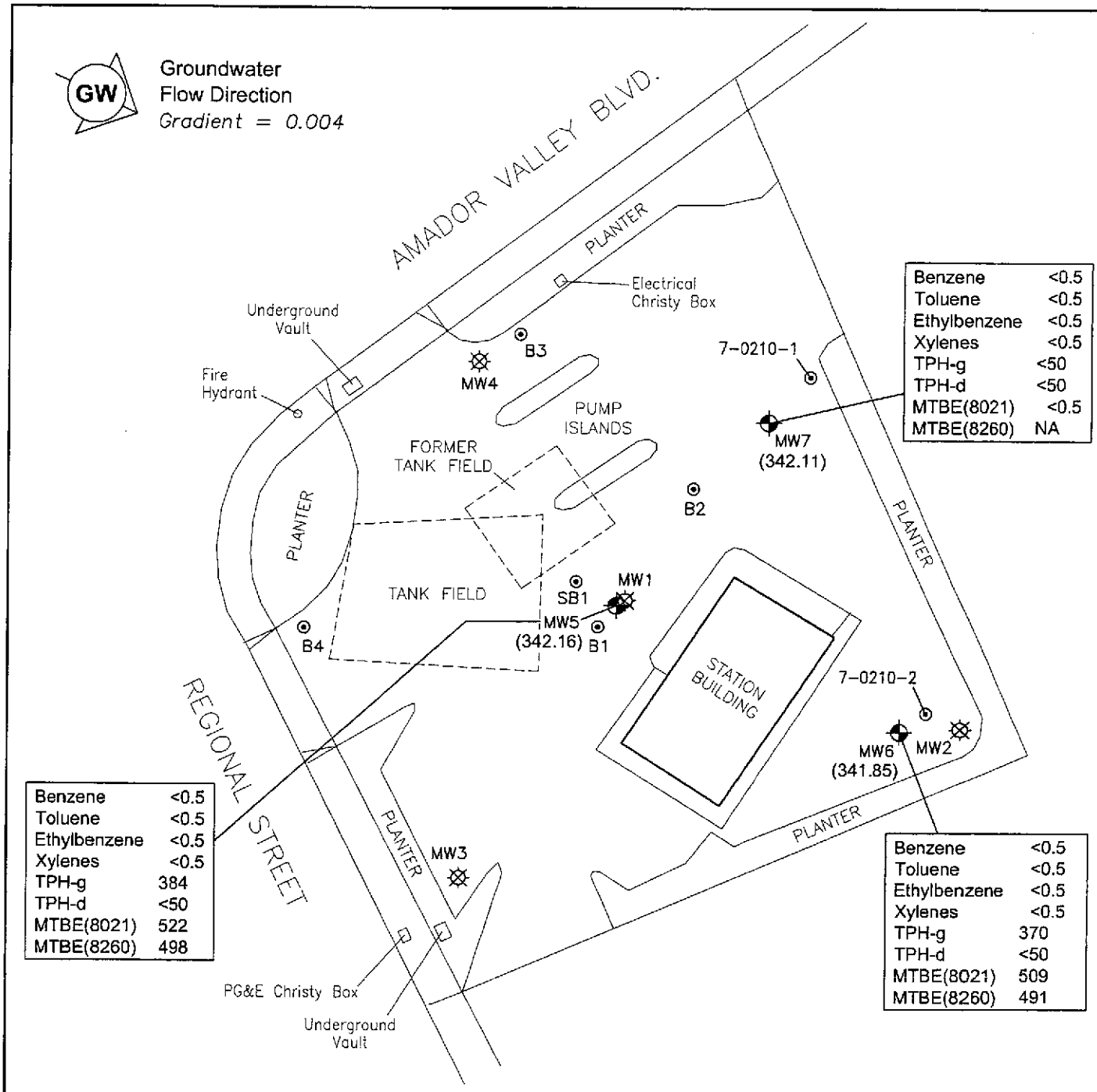
Groundwater will be monitored in accordance with the attached groundwater monitoring plan.

Attachments:

Figure 1: Site Plan Showing Groundwater Elevations and Analytical Results

Table 1: Well Construction Details
Table 2: Groundwater Monitoring Data
Table 3: Groundwater Monitoring Plan

Appendix A: Field Protocols
Appendix B: Field Documents
Appendix C: Laboratory Analytical Reports



LEGEND

- GROUNDWATER MONITORING WELL LOCATION
- SOIL BORING / GROUNDWATER SAMPLING LOCATION
- DESTROYED GROUNDWATER MONITORING WELL
- (342.16) 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 APRIL 2003

FIGURE: 1

FILENAME: 202003.DWG 05/20/03

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	
MW2			Well destroyed April 1996.										

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)
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	
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	

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			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]	
MW5	**04/24/03**	**352.95**	**10.79**	**342.16**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**384**	**d**	**<50**	**522**	**NA**
MW5	**04/24/03**	**352.95**											**498[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	

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											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]	
MW6	**04/24/03**	**352.69**	**10.84**	**341.85**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**370**	**d**	**<50**	**509**	**NA**
MW6	**04/24/03**	**352.69**											**491[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
MW7	**04/24/03**	**351.87**	**9.76**	**342.11**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**d**	**<50**	**<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: 4/24/03

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	10.79				25.00	23.94	2"
MM6	10.84				25.00	24.47	2"
MM7	9.76				25.00	23.26	2"

ETIC Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW5 Date: 4/24/03

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	−	10.79	=	13.15	×	1	(2)	4	6	2.10	=	6.31
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Waterra Pump

Time	15:42	15:44	15:46			
Volume Purge (gal)	2	4	6			
Temperature (C)	19.7°C	19.9°C	20.0°C			
pH	6.80	6.81	6.80			
Spec. Cond. (umhos)	1372 µS	1367 µS	1363 µS			
Turbidity/Color	Silty	Silty	Silty/Clear			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 15:50 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
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: 1 x Tang Broken 2 x OK

Well Head Conditions Requiring Correction:

Problems Encountered During Purging and Sampling: None

Comments:

ETIC Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW6 Date: 4/24/03

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)
	24.47	−	10.84	=	13.63	X	1	(2)	4	6	2.18	=	6.54
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Waterra Pump

Time	14:52	14:53	14:54			
Volume Purge (gal)	2	4	6			
Temperature (°C)	19.5°C	19.7°C	19.7°C			
pH	6.85	6.80	6.80			
Spec.Cond.(umhos)	1362µS	1366µS	1369µS			
Turbidity/Color	5.1 ft	5.1 ft	5.1 ft			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: ~~15:00~~ 15:00 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:
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: 4/24/03

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)
	23.26	−	9.76	=	13.50	×	1	(2)	4	6	2.16	=	6.48
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Waterra Pump

Time	15:17	15:19	15:21			
Volume Purge (gal)	2	4	6			
Temperature (C)	19.2°C	19.4°C	19.4°C			
pH	6.79	6.78	6.81			
Spec.Cond.(umhos)	1373µS	1369µS	1370µS			
Turbidity/Color	Silty	Silty	Silty/Clear			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 15:25 Approximate Depth to Water During Sampling: 11 (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
ANALYTICAL TESTING CORPORATION

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5/ 8/03

ETIC 3865
JACOB 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 identified below:

Project Name: EXXONMOBIL 7-0210
Project Number: .
Laboratory Project Number: 329784.

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. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980.

Sample Identification	Lab Number	Collection Date
MW5	03-A66177	4/24/03
MW6	03-A66178	4/24/03
MW7	03-A66179	4/24/03

Report Approved By: _____ Report Date: 5/ 7/03

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

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

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

Lab Number: 03-A66177
Sample ID: MW5
Sample Type: Water
Site ID: 7-0210

Date Collected: 4/24/03
Time Collected: 15:50
Date Received: 4/29/03
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	5/ 3/03	18:47	D.Ramey	8021B	3243
Ethylbenzene	ND	ug/L	0.5	1.0	5/ 3/03	18:47	D.Ramey	8021B	3243
Toluene	ND	ug/L	0.5	1.0	5/ 3/03	18:47	D.Ramey	8021B	3243
Xylenes (Total)	ND	ug/L	0.5	1.0	5/ 3/03	18:47	D.Ramey	8021B	3243
Methyl-t-butylether	522.	ug/L	2.0	4.0	5/ 5/03	12:58	D.Ramey	8021B	6486
TPH (Gasoline Range)	384.	ug/L	50.0	1.0	5/ 3/03	18:47	D.Ramey	8015B	3243
TPH (Diesel Range)	ND	ug/L	50.	1.0	5/ 6/03	9:17	M.Jarrett	8015B/3510	6187
VOLATILE ORGANICS									
Methyl-t-butyl ether	498.	ug/L	2.50	5.0	5/ 8/03	14:25	L. Lowery	8260B	8756

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	5/ 1/03		M. Cauthen	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A66177
Sample ID: MW5
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	84.	41. - 155.
BTEX/GRO Surr., a,a,a-TFT	103.	69. - 132.
VOA Surr 1,2-DCA-d4	117.	73. - 133.
VOA Surr Toluene-d8	95.	80. - 121.
VOA Surr, 4-BFB	100.	80. - 128.
VOA Surr, DBFM	100.	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.

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ANALYTICAL REPORT

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

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

Lab Number: 03-A66178
Sample ID: MW6
Sample Type: Water
Site ID: 7-0210

Date Collected: 4/24/03
Time Collected: 15:25
Date Received: 4/29/03
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	5/ 3/03	19:18	D.Ramey	8021B	3243
Ethylbenzene	ND	ug/L	0.5	1.0	5/ 3/03	19:18	D.Ramey	8021B	3243
Toluene	ND	ug/L	0.5	1.0	5/ 3/03	19:18	D.Ramey	8021B	3243
Xylenes (Total)	ND	ug/L	0.5	1.0	5/ 3/03	19:18	D.Ramey	8021B	3243
Methyl-t-butylether	509.	ug/L	2.0	4.0	5/ 5/03	13:29	D.Ramey	8021B	6486
TPH (Gasoline Range)	370.	ug/L	50.0	1.0	5/ 3/03	19:18	D.Ramey	8015B	3243
TPH (Diesel Range)	ND	ug/L	50.	1.0	5/ 6/03	9:37	M.Jarrett	8015B/3510	6187
VOLATILE ORGANICS									
Methyl-t-butyl ether	491.	ug/L	2.50	5.0	5/ 8/03	14:55	L. Lowery	8260B	8756

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	5/ 1/03		M. Cauthen	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A66178
Sample ID: MW6
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	120.	41. - 155.
BTEX/GRO Surr., a,a,a-TFT	103.	69. - 132.
VOA Surr 1,2-DCA-d4	118.	73. - 133.
VOA Surr Toluene-d8	95.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.
VOA Surr, DBFM	101.	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.

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ANALYTICAL REPORT

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

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

Lab Number: 03-A66179
Sample ID: MW7
Sample Type: Water
Site ID: 7-0210

Date Collected: 4/24/03
Time Collected: 15:00
Date Received: 4/29/03
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.50	1.0	5/ 3/03	19:49	D.Ramey	8021B	3243
Ethylbenzene	ND	ug/L	0.5	1.0	5/ 3/03	19:49	D.Ramey	8021B	3243
Toluene	ND	ug/L	0.5	1.0	5/ 3/03	19:49	D.Ramey	8021B	3243
Xylenes (Total)	ND	ug/L	0.5	1.0	5/ 3/03	19:49	D.Ramey	8021B	3243
Methyl-t-butylether	ND	ug/L	0.5	1.0	5/ 3/03	19:49	D.Ramey	8021B	3243
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	5/ 3/03	19:49	D.Ramey	8015B	3243
TPH (Diesel Range)	ND	ug/L	50.	1.0	5/ 6/03	9:57	M.Jarrett	8015B/3510	6187

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	5/ 1/03		M. Cauthen	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	83.	41. - 155.
BTEX/GRO Surr., a,a,a-TFT	102.	69. - 132.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 03-A66179
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.

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 1
Laboratory Receipt Date: 4/30/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.00050	0.0564	0.0500	113	74. - 129.	3243	03-A66177
Toluene	mg/l	< 0.0005	0.0543	0.0500	109	74. - 128.	3243	03-A66177
Ethylbenzene	mg/l	< 0.0005	0.0532	0.0500	106	75. - 128.	3243	03-A66177
Xylenes (Total)	mg/l	< 0.0005	0.109	0.100	109	72. - 126.	3243	03-A66177
TPH (Gasoline Range)	mg/l	0.384	1.06	1.00	68	59. - 128.	3243	03-A66177
TPH (Diesel Range)	mg/l	< 0.050	0.633	0.839	75	23. - 120.	6187	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				99	69 - 132	3243	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0564	0.0573	1.58	15.	3243
Toluene	mg/l	0.0543	0.0549	1.10	15.	3243
Ethylbenzene	mg/l	0.0532	0.0535	0.56	15.	3243
Xylenes (Total)	mg/l	0.109	0.110	0.91	19.	3243
TPH (Gasoline Range)	mg/l	1.06	1.06	0.00	22.	3243
TPH (Diesel Range)	mg/l	0.633	0.573	9.95	20.	6187
BTEX/GRO Surr., a,a,a-TFT	% Recovery		99.			3243

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 2
Laboratory Receipt Date: 4/30/03

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Benzene	mg/l	0.100	0.110	110	74 - 124	3243
Toluene	mg/l	0.100	0.104	104	74 - 121	3243
Ethylbenzene	mg/l	0.100	0.103	103	75 - 123	3243
Xylenes (Total)	mg/l	0.200	0.209	104	72 - 120	3243
Methyl-t-butylether	mg/l	0.100	0.104	104	64 - 128	3243
Methyl-t-butylether	mg/l	0.100	0.0987	99	64 - 128	6486
TPH (Gasoline Range)	mg/l	1.00	1.06	106	61 - 139	3243
TPH (Diesel Range)	mg/l	0.839	0.521	62	42 - 115	6187
BTEX/GRO Surr., a,a,a-TFT	% Recovery			99	69 - 132	3243
BTEX/GRO Surr., a,a,a-TFT	% Recovery			103	69 - 132	6486

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	0.0592	118	66 - 137	8756
VOA Surr 1,2-DCA-d4	% Rec			117	73 - 133	8756
VOA Surr Toluene-d8	% Rec			97	80 - 121	8756
VOA Surr, 4-BFB	% Rec			97	80 - 128	8756
VOA Surr, DBFM	% Rec			109	81 - 121	8756

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	3243	5/ 3/03	18:16
Toluene	< 0.0005	mg/l	3243	5/ 3/03	18:16

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 3
Laboratory Receipt Date: 4/30/03

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylbenzene	< 0.0005	mg/l	3243	5/ 3/03	18:16
Xylenes (Total)	< 0.0005	mg/l	3243	5/ 3/03	18:16
Methyl-t-butylether	< 0.0005	mg/l	3243	5/ 3/03	18:16
Methyl-t-butylether	< 0.0005	mg/l	6486	5/ 5/03	12:26
TPH (Gasoline Range)	< 0.0500	mg/l	3243	5/ 3/03	18:16
TPH (Diesel Range)	< 0.050	mg/l	6187	5/ 6/03	6:40

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	103.	% Recovery	3243	5/ 3/03	18:16
BTEX/GRO Surr., a,a,a-TFT	107.	% Recovery	6486	5/ 5/03	12:26

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.00014	mg/l	8756	5/ 8/03	13:25
VOA Surr 1,2-DCA-d4	120.	% Rec	8756	5/ 8/03	13:25
VOA Surr Toluene-d8	95.	% Rec	8756	5/ 8/03	13:25
VOA Surr, 4-BFB	100.	% Rec	8756	5/ 8/03	13:25
VOA Surr, DBFM	102.	% Rec	8756	5/ 8/03	13:25

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
Page: 4
Laboratory Receipt Date: 4/30/03

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 329784

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: TED MOISE
Telephone Number: (925) 602-4710 EXT. 23 Fax No.: (925) 602-4720
Sampler Name: (Print) Christopher L. Mitchell
Sampler Signature: Christopher L. Mitchell

Report To: JACOB HENRY
Invoice To: GENE ORTEGA (EXXONMOBIL TM)
Account #: 3865
PO #: 4503010627
Facility ID #
Site Address 7840 AMADOR VALLEY BLVD.
City, State Zip DUBLIN, CA

329784

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 66177	4/24	1550	8				X		X						X						X	X	X	X			X	X
MW6 66178	4/24	1525	8				X		X						X						X	X	X	X			X	X
MW7 66179	4/24	1500	8				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
Christopher L. Mitchell	4/24/03	1700			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
	4-28-03	1130		4-29-3	8:20

Laboratory Comments:
Temperature Upon Receipt: -2.0
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

TEST AMERICA ANALYTICAL
TESTING CORP.-NASHVILLE

329784

COOLER RECEIPT FORM

Client: ETIC

Cooler Received On: 4/29/03 And Opened On: 4/29/03 By: Marvin Blumhoefer

(Signature)

1. Temperature of Cooler when opened 2.0 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES...NO...NA
   a. If yes, how many, what kind and where: 1 Front
3. Were custody seals on containers and intact?.....NO...YES...NA
4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
5. Were custody papers inside cooler?.....YES...NO...NA
6. Were custody papers properly filled out (ink,signed,etc)?.....YES...NO...NA
7. Did you sign the custody papers in the appropriate place?.....YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Was sufficient ice used (if appropriate)?.....YES...NO...NA
10. Did all bottles arrive in good condition(unbroken)?.....YES...NO...NA
11. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES...NO...NA
12. Did all bottle labels and tags agree with custody papers?.....YES...NO...NA
13. Were correct bottles used for the analysis requested?.....YES...NO...NA
14. a. Were VOA vials received?.....YES...NO...NA
    b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
15. Was sufficient amount of sample sent in each bottle?.....YES...NO...NA
16. Were correct preservatives used?.....YES...NO...NA
    If not, record standard ID of preservative used here
17. Was residual chlorine present?.....NO...YES...NA
18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.