RO - 2424

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Global Remediation
25A Crescent Drive #407
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Gene N. Ortega
Project Manager
Global Remediation – U.S. Retail

ExxonMobil
Refining & Supply

June 3, 2004

Alameda County
JUN 10 2004
Environmental Health

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 2004* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the April 2004 sampling event.

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

Sincerely,

Gene N. Ortega
Project Manager

Attachment: ETIC Groundwater Monitoring Report dated June 2004

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

c: w/o attachment:
Mr. Jerry Mitchell - ETIC Engineering, Inc.

RO - 2424

ETIC ENGINEERING

Report of Groundwater Monitoring
Second Quarter 2004

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

Prepared for

ExxonMobil Refining and Supply Company
25A Crescent Drive #407
Pleasant Hill, California 94523

Prepared by

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

Ted Moise
Senior Project Manager

6/3/04
Date

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

June 3, 2004
Date

REGISTERED GEOLOGIST
HEIDI L DIEFFENBACH-CARLE
No. 6793
03/31/06
STATE OF CALIFORNIA

June 2004

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 25A Crescent Drive #407 Pleasant Hill, California 94523 (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 28 January 2004, the date of the last monitoring event, until 16 April 2004, 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:	16 April 2004
Wells gauged and sampled:	MW5-MW7
Wells gauged only:	None
Groundwater flow direction:	Southeast
Groundwater gradient:	0.003
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 and ethanol by EPA Method 8260B

ADDITIONAL ACTIVITIES PERFORMED AT SITE

No additional activities were performed at the site.

WORK PROPOSED FOR NEXT QUARTER

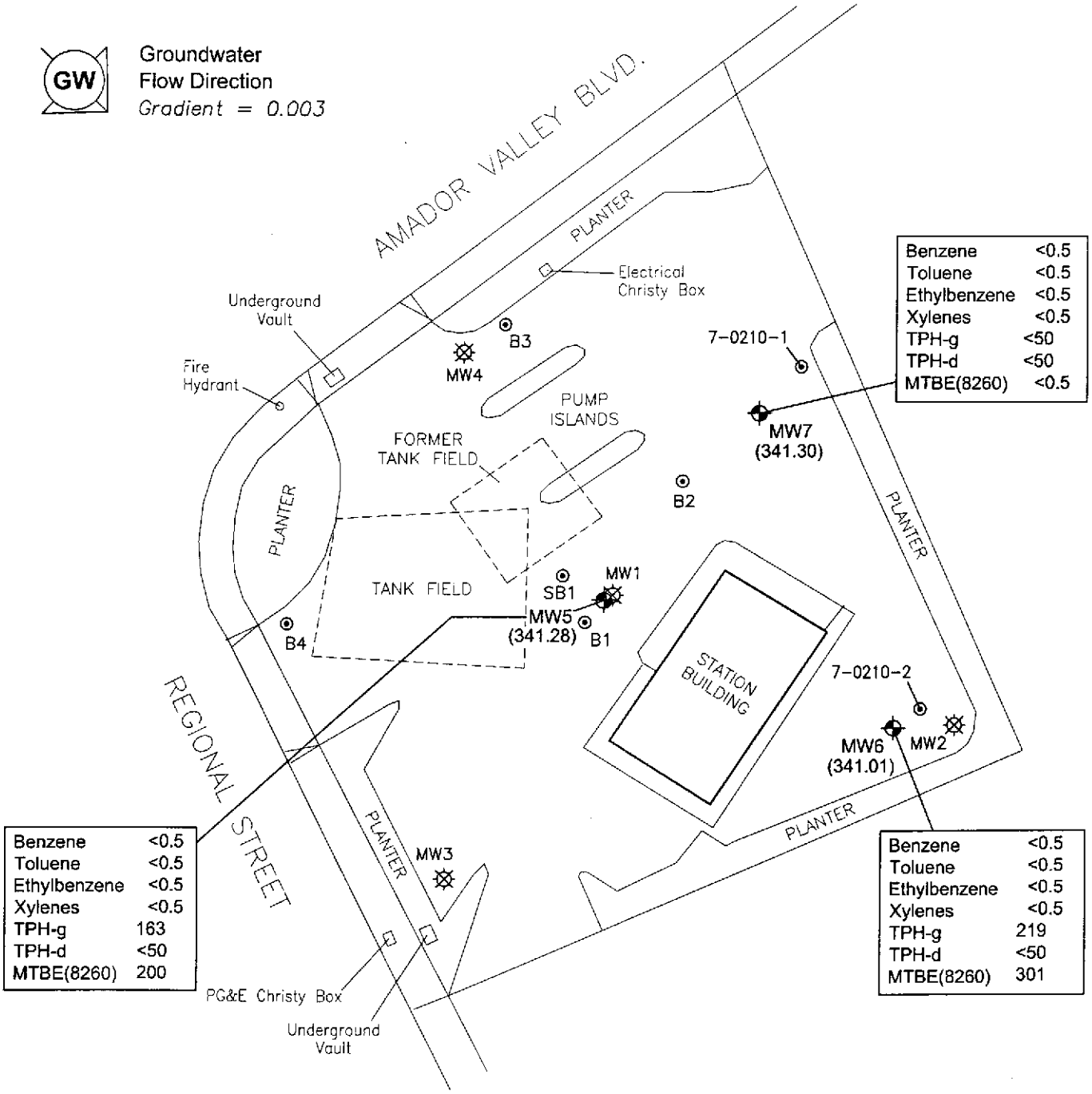
Groundwater will be monitored in accordance with the attached groundwater monitoring plan.

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
- (341.28) GROUNDWATER ELEVATION (FEET)
- TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- TPH-d TOTAL PETROLEUM HYDROCARBONS AS DIESEL
- MTBE METHYL T-BUTYL ETHER

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.
16 APRIL 2004

FIGURE: **1**

FILENAME: 202004.DWG 05/20/04

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)	Ethanol (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)	Ethanol (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)	Ethanol (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]		
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]		

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)	Ethanol (µg/L)	Other Oxygenates and Additives (µg/L)
MW5	08/05/03	352.95	12.24	340.71	0.00	<0.5	1.6	<0.5	1.3	282	d	<50	560		NA
MW5	08/05/03	352.95											428[a]		
MW5	10/17/03	352.95	13.64	339.31	0.00	<0.5	1.6	<0.5	0.9	229	d	<50	284		NA
MW5	10/17/03	352.95											272[a]		
MW5	01/28/04	352.95	12.41	340.54	0.00	<0.5	0.9	<0.5	1.1	283	d	NA [c]	485		NA
MW5	01/28/04	352.95											453[a]		
MW5	**04/16/04**	**352.95**	**11.67**	**341.28**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**163**	**d**	**<50**	**200[a]**	**<100[a]**	**NA**
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]
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]		

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)	Ethanol (µg/L)	Other Oxygenates and Additives (µg/L)
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]		
MW6	08/05/03	352.69	12.25	340.44	0.00	<0.5	<0.5	<0.5	<0.5	967	d	<50	1,240		NA
MW6	08/05/03	352.69											1,010[a]		
MW6	10/17/03	352.69	13.63	339.06	0.00	<0.5	1.2	<0.5	0.5	476	d	<50	528		NA
MW6	10/17/03	352.69											535[a]		
MW6	01/28/04	352.69	12.40	340.29	0.00	<0.5	0.8	<0.5	0.9	154	d	<50	283		NA
MW6	01/28/04	352.69											244[a]		
MW6	**04/16/04**	**352.69**	**11.68**	**341.01**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**219**	**d**	**<50**	**301[a]**	**<100[a]**	**NA**
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]		
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
MW7	08/05/03	351.87	11.18	340.69	0.00	<0.5	1.6	<0.5	<0.5	<50	d	<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)	Ethanol (µg/L)	Other Oxygenates and Additives (µg/L)
MW7	10/17/03	351.87	12.54	339.33	0.00	<0.5	1.7	<0.5	0.9	<50	d	<50	<0.5		NA
MW7	01/28/04	351.87	11.33	340.54	0.00	<0.5	1.0	<0.5	0.9	<50	d	<50	<0.5		NA
MW7	**04/16/04**	**351.87**	**10.57**	**341.30**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**d**	**<50**	**<0.5[a]**	**<100[a]**	**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.

e Sample bottles broken in transit to laboratory.

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	Ethanol
MW5	Q	Q	Q	Q	Q
MW6	Q	Q	Q	Q	Q
MW7	Q	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 from the well and, if the well does not recover, the well is considered "functionally dry." Wells with a sheen or measurable liquid-phase hydrocarbons are generally not purged or sampled.

WELL PURGING

After the wells are gauged, each well is purged of approximately 3 well casing volumes of water to provide representative groundwater samples for analysis. Field parameters of pH, temperature, and electrical conductance are measured during purging to ensure that these parameters have stabilized before groundwater in a well is sampled. Groundwater in each well is purged using an inertial pump (WaTerra), an electric submersible pump, or a bailer. After the well is purged, the water level is checked to ensure that the well has recharged to at least 80 percent of its original water level.

GROUNDWATER SAMPLING

After purging, groundwater in each well is sampled using dedicated tubing and an inertial pump (WaTerra) or a factory-cleaned disposable bailer. Samples from extraction wells are typically collected from sample ports associated with the groundwater remediation system. Samples collected for volatile organic analysis are placed in Teflon septum-sealed 40-milliliter glass vials. Samples collected for diesel analysis are placed in 1-liter amber glass bottles. Each sample bottle is labeled with the site name, well number, date, sampler's initials, and preservative. The samples are placed in a cooler with ice for delivery to a state-certified laboratory. The information for each sample is entered on a chain-of-custody form prior to transport to the laboratory.

Appendix B

Field Documents

ETIC ENGINEERING

Engineering, Inc.

MONITORING WELL DATA FORM

Client: Port of Oakland

Project Number: UP0210

Site Location:
7840 Amador Valley Blvd., Dublin, CA

Date: 4/6/04

Station Number: 7-0210

Samplers: [illegible]

MONITORING WELL NUMBER	DEPTH TO WATER (TOC) ft.	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	WELL COMPLETION DEPTH ft	DEPTH TO BOTTOM (TOC) ft.	WELL CASING DIA. in.
MW5	11.67				**25.00**	24.02	**2"**
MW6	11.68				**25.00**	24.52	**2"**
MW7	10.57				**25.00**	23.45	**2"**

ETIC ENGINEERING

Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW5 Date: 4/16/04

Project No: UP0210.1 Personnel: PP

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)
	24.02	−	11.67	=	12.35	X	1	(2)	4	6	1.97	=	5.92
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Waterra Pump

Time	9:56	9:57	9:58			
Volume Purge (gal)	2	4	6			
Temperature (C)	19.4	19.7	19.9			
pH	6.88	6.91	6.93			
Spec Cond. (umhos)	1269	1257	1254			
Turbidity/Color	SLGY/BRN	SLGY/BRN	SLGY/BRN			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

(START 9:55)

SAMPLING DATA

Time Sampled: 10:00 Approximate Depth to Water During Sampling: 12 (feet) EST

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: OK

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments:

ETIC ENGINEERING

Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW6 Date: 4/16/04

Project No: UP0210.1 Personnel: PP

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: 1 (0.04)	2 (0.16)	4 (0.64)	6 (1.44)	Casing Volume (gal)		Total Purge Volume (gal)
	24.52	−	11.68	=	12.84	X		(2)			2.05	=	6.16

PURGING DATA

Purge Method: Waterra Pump

Time	10:36	10:37	10:38			
Volume Purge (gal)	2	4	6			
Temperature (C)	19.0	19.6	19.9			
pH	7.04	6.99	6.96			
Spec Cond (umhos)	1238	1230	1227			
Turbidity/Color	SLTY/BRN	SLTY/BRN	SLTY/BRN			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

(START 10:35)

SAMPLING DATA

Time Sampled: 10:40 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: CL

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
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW-7 Date: 4/16/04

Project No: UP0210.1 Personnel: PP

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)
	23.45	−	10.57	=	12.88	X	1	(2)	4	6	2.06	=	6.18
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: Waterra Pump

Time	10:18	10:19	10:20			
Volume Purge (gal)	2	4	6			
Temperature (C)	17.9	19.1	19.4			
pH	7.00	6.96	6.96			
Spec.Cond.(umhos)	1261	1251	1250			
Turbidity/Color	SLTY/BRN	SLTY/BRN	SLTY/BRN			
Odor(Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

(START 10:17)

SAMPLING DATA

Time Sampled: 10:25 Approximate Depth to Water During Sampling: ## (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

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

4/26/04 CASE NARRATIVE

RECEIVED
APR 30 2004
ETIC ENGINEERING

ETIC ENGINEERING 3865
DOUG FITZGERALD
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: 371987.

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. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
MW5	04-A58276	4/16/04
MW6	04-A58277	4/16/04
MW7	04-A58278	4/16/04

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Sample Identification	Lab Number	Collection Date

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: 4/26/04

Johnny A. Mitchell, Operations Manager
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Serv
Eric S. Smith, QA/QC
Gail A. Lage, QA/QC
Glenn L. Norton, QA/QC
Kelly S. Comstock, QA/QC
Roxanne L. Connor, QA/QC

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ETIC ENGINEERING 3865
DOUG FITZGERALD
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 7-0210
Sampler: PATRICK PICO

Lab Number: 04-A58276
Sample ID: MW5
Sample Type: Water
Site ID: 7-0210

Date Collected: 4/16/04
Time Collected: 10:00
Date Received: 4/17/04
Time Received: 8:30
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	4/19/04	15:41	H. Wagner	8021B	8350
Ethylbenzene	ND	ug/L	0.5	1.0	4/19/04	15:41	H. Wagner	8021B	8350
Toluene	ND	ug/L	0.5	1.0	4/19/04	15:41	H. Wagner	8021B	8350
Xylenes (Total)	ND	ug/L	0.5	1.0	4/19/04	15:41	H. Wagner	8021B	8350
TPH (Gasoline Range)	163.	ug/L	50.0	1.0	4/19/04	15:41	H. Wagner	8015B	8350
TPH (Diesel Range)	ND	ug/L	50.	1.0	4/22/04	2:43	L. Watson	8015B/3510	1792
VOLATILE ORGANICS									
Methyl-t-butyl ether	200.	ug/L	2.50	5.0	4/25/04	12:40	S. Edwards	8260B	5699
Ethanol	ND	ug/L	100.	1.0	4/24/04	18:40	S. Edwards	8260B	5632

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	4/20/04		M. Ricke	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A58276
Sample ID: MW5
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	82.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	104.	70. - 124.
VOA Surr 1,2-DCA-d4	107.	71. - 128.
VOA Surr Toluene-d8	105.	77. - 119.
VOA Surr, 4-BFB	105.	79. - 123.
VOA Surr, DBFM	102.	78. - 124.

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 ENGINEERING 3865
DOUG FITZGERALD
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 7-0210
Sampler: PATRICK PICO

Lab Number: 04-A58277
Sample ID: MW6
Sample Type: Water
Site ID: 7-0210

Date Collected: 4/16/04
Time Collected: 10:40
Date Received: 4/17/04
Time Received: 8:30
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	4/19/04	16:13	H. Wagner	8021B	8350
Ethylbenzene	ND	ug/L	0.5	1.0	4/19/04	16:13	H. Wagner	8021B	8350
Toluene	ND	ug/L	0.5	1.0	4/19/04	16:13	H. Wagner	8021B	8350
Xylenes (Total)	ND	ug/L	0.5	1.0	4/19/04	16:13	H. Wagner	8021B	8350
TPH (Gasoline Range)	219.	ug/L	50.0	1.0	4/19/04	16:13	H. Wagner	8015B	8350
TPH (Diesel Range)	ND	ug/L	50.	1.0	4/22/04	2:58	L. Watson	8015B/3S 10	1792
VOLATILE ORGANICS									
Methyl-t-butyl ether	301.	ug/L	2.50	5.0	4/25/04	13:09	S. Edwards	8260B	5699
Ethanol	ND	ug/L	100.	1.0	4/24/04	19:07	S. Edwards	8260B	5632

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	4/20/04		M. Ricke	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A58277
Sample ID: MW6
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	84.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	99.	70. - 124.
VOA Surr 1,2-DCA-d4	106.	71. - 128.
VOA Surr Toluene-d8	104.	77. - 119.
VOA Surr, 4-BFB	102.	79. - 123.
VOA Surr, DBFM	104.	78. - 124.

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 ENGINEERING 3865
DOUG FITZGERALD
2285 MORELLO AVENUE
PLEASANT HILL, CA 94523

Project:
Project Name: EXXONMOBIL 7-0210
Sampler: PATRICK PICO

Lab Number: 04-A58278
Sample ID: MW7
Sample Type: Water
Site ID: 7-0210

Date Collected: 4/16/04
Time Collected: 10:25
Date Received: 4/17/04
Time Received: 8:30
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	4/19/04	16:45	H. Wagner	8021B	8350
Ethylbenzene	ND	ug/L	0.5	1.0	4/19/04	16:45	H. Wagner	8021B	8350
Toluene	ND	ug/L	0.5	1.0	4/19/04	16:45	H. Wagner	8021B	8350
Xylenes (Total)	ND	ug/L	0.5	1.0	4/19/04	16:45	H. Wagner	8021B	8350
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	4/19/04	16:45	H. Wagner	8015B	8350
TPH (Diesel Range)	ND	ug/L	50.	1.0	4/22/04	3:14	L. Watson	8015B/3510	1792
VOLATILE ORGANICS									
Methyl-t-butyl ether	ND	ug/L	0.50	1.0	4/24/04	19:34	S. Edwards	8260B	5632
Ethanol	ND	ug/L	100.	1.0	4/24/04	19:34	S. Edwards	8260B	5632

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	4/20/04		M. Ricke	3510

Surrogate	% Recovery	Target Range

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A58278
Sample ID: MW7
Project:

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	78.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	101.	70. - 124.
VOA Surr 1,2-DCA-d4	106.	71. - 128.
VOA Surr Toluene-d8	100.	77. - 119.
VOA Surr, 4-BFB	98.	79. - 123.
VOA Surr, DBFM	103.	78. - 124.

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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ROJECT QUALITY CONTROL DATA
roject Number:
Project Name: EXXONMOBIL 7-0210
age: 1
aboratory Receipt Date: 4/17/04

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	0.0552	0.0500	110	53. - 159.	8350	04-A58276
Toluene	mg/l	< 0.0005	0.0604	0.0500	121	54. - 156.	8350	04-A58276
Ethylbenzene	mg/l	< 0.0005	0.0560	0.0500	112	50. - 159.	8350	04-A58276
Xylenes (Total)	mg/l	< 0.0005	0.112	0.100	112	53. - 151.	8350	04-A58276
TPH (Gasoline Range)	mg/l	0.163	0.962	1.00	80	70. - 157.	8350	04-A58276
TPH (Diesel Range)	mg/l	< 0.050	0.811	1.00	81	10. - 143.	1792	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				102	70 - 124	8350	
VOA Surr 1,2-DCA-d4	% Rec				104	71 - 128	5632	
VOA Surr 1,2-DCA-d4	% Rec				104	71 - 128	5699	
VOA Surr Toluene-d8	% Rec				99	77 - 119	5632	
VOA Surr Toluene-d8	% Rec				105	77 - 119	5699	
VOA Surr, 4-BFB	% Rec				99	79 - 123	5632	
VOA Surr, 4-BFB	% Rec				101	79 - 123	5699	
VOA Surr, DBFM	% Rec				104	78 - 124	5632	
VOA Surr, DBFM	% Rec				104	78 - 124	5699	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0552	0.0567	2.68	21.	8350
Toluene	mg/l	0.0604	0.0572	5.44	25.	8350

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ROJECT QUALITY CONTROL DATA
roject Number:
Project Name: EXXONMOBIL 7-0210
age: 2
aboratory Receipt Date: 4/17/04

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Ethylbenzene	mg/l	0.0560	0.0571	1.95	25.	8350
Xylenes (Total)	mg/l	0.112	0.111	0.90	24.	8350
TPH (Gasoline Range)	mg/l	0.962	0.903	6.33	24.	8350
TPH (Diesel Range)	mg/l	0.811	0.842	3.75	57.	1792
BTEX/GRO Surr., a,a,a-TFT	% Recovery		106.			8350
VOA Surr 1,2-DCA-d4	% Rec		97.			5632
VOA Surr 1,2-DCA-d4	% Rec		103.			5699
VOA Surr Toluene-d8	% Rec		98.			5632
VOA Surr Toluene-d8	% Rec		111.			5699
VOA Surr, 4-BFB	% Rec		100.			5632
VOA Surr, 4-BFB	% Rec		104.			5699
VOA Surr, DBFM	% Rec		103.			5632
VOA Surr, DBFM	% Rec		103.			5699

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0925	92	76 - 118	8350
Toluene	mg/l	0.100	0.0981	98	72 - 119	8350
Ethylbenzene	mg/l	0.100	0.101	101	72 - 119	8350
Xylenes (Total)	mg/l	0.200	0.198	99	71 - 123	8350
TPH (Gasoline Range)	mg/l	1.00	0.962	96	72 - 122	8350

Project QC continued . . .

TestAmerica
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800-765-0980 • 615-726-3404 Fax

ROJECT QUALITY CONTROL DATA
Project Number:
Project Name: EXXONMOBIL 7-0210
age: 3
aboratory Receipt Date: 4/17/04

BTEX/GRO Surr., a,a,a-TFT	% Recovery			106	70 - 124	8350
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.743	74	10 - 143	1792
VOA PARAMETERS						
Methyl-t-butyl ether	mg/l	0.0500	0.0453	91	70 - 130	5632
Methyl-t-butyl ether	mg/l	0.0500	0.0552	110	70 - 130	5699
Ethanol	mg/L	5.00	6.44	129	40 - 165	5632
VOA Surr 1,2-DCA-d4	% Rec			103	71 - 128	5632
VOA Surr 1,2-DCA-d4	% Rec			102	71 - 128	5699
VOA Surr Toluene-d8	% Rec			99	77 - 119	5632
VOA Surr Toluene-d8	% Rec			109	77 - 119	5699
VOA Surr, 4-BFB	% Rec			99	79 - 123	5632
VOA Surr, 4-BFB	% Rec			101	79 - 123	5699
VOA Surr, DBFM	% Rec			103	78 - 124	5632
VOA Surr, DBFM	% Rec			102	78 - 124	5699

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.00050	mg/l	8350	4/19/04	15:09
Toluene	< 0.0005	mg/l	8350	4/19/04	15:09
Ethylbenzene	< 0.0005	mg/l	8350	4/19/04	15:09
Xylenes (Total)	< 0.0005	mg/l	8350	4/19/04	15:09

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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800-765-0980 • 615-726-3404 Fax

ROJECT QUALITY CONTROL DATA
roject Number:
Project Name: EXXONMOBIL 7-0210
age: 4
aboratory Receipt Date: 4/17/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
TPH (Gasoline Range)	< 0.0500	mg/l	8350	4/19/04	15:09
TPH (Diesel Range)	< 0.050	mg/l	1792	4/22/04	1:40
BTEX/GRO Surr., a,a,a-TFT	101.	% Recovery	8350	4/19/04	15:09
VOA PARAMETERS					
Methyl-t-butyl ether	< 0.00013	mg/l	5632	4/24/04	16:52
Methyl-t-butyl ether	< 0.00013	mg/l	5699	4/25/04	7:17
Ethanol	< 0.0142	mg/L	5632	4/24/04	16:52
VOA Surr 1,2-DCA-d4	105.	% Rec	5632	4/24/04	16:52
VOA Surr 1,2-DCA-d4	105.	% Rec	5699	4/25/04	7:17
VOA Surr Toluene-d8	99.	% Rec	5632	4/24/04	16:52
VOA Surr Toluene-d8	108.	% Rec	5699	4/25/04	7:17
VOA Surr, 4-BFB	100.	% Rec	5632	4/24/04	16:52
VOA Surr, 4-BFB	107.	% Rec	5699	4/25/04	7:17
VOA Surr, DBFM	104.	% Rec	5632	4/24/04	16:52
VOA Surr, DBFM	104.	% Rec	5699	4/25/04	7:17

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 371987

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

ExxonMobil

371987

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) PATRICK PIRO
Sampler Signature:

Report To: DOUG FITZGERALD
Invoice To: GENE ORTEGA (EXXONMOBIL TM)
Account #: 3865
PO #: 4504340644
Facility ID # 70210
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	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			TPH-D BY 8015	MTBE +ETHANOL BY 8260B							RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
MW5 58296	4/16	10:00	8				X		X						X						X			X	X								X	X
MW6 58297		10:40	8				X		X						X						X			X	X								X	X
MW7 58298		10:25	8				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: -0.4°C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
	4/16/04	11:30			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				4/19/04	830

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC#

Client Name : ETIC Engineering

Cooler Received/Opened On: 4/17/04 Accessioned By: James D. Jacobs

Log-in Personnel Signature

1. Temperature of Cooler when triaged: -0.4 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES....NO....NA
   a. If yes, how many, what kind and where: 1 Tape 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. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers 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 container?..... 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. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    2004

    Fed-Ex UPS Velocity Airborne Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below: