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Jennifer C. Sedlachek
Project Manager

ExxonMobil
Refining & Supply

December 24, 2004

Mr. Bob Schultz
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. Schultz:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, Fourth Quarter 2004* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the November 2004 sampling event.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: ETIC Groundwater Monitoring Report dated December 2004

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

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

ETIC ENGINEERING

Report of Groundwater Monitoring
Fourth 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 12/23/04

Ted Moise
Senior Project Manager

Date

Heidi Dieffenbach-Carle 12/23/2004

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

Date

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

December 2004

SITE CONTACTS

Station Number:	Former Exxon Retail Site 7-0210
Station Address:	7840 Amador Valley Boulevard Dublin, California
ExxonMobil Project Manager:	Jennifer C. Sedlachek ExxonMobil Refining and Supply Company 4096 Piedmont Avenue #194 Oakland, California 94611 (510) 547-8196
Consultant to ExxonMobil:	ETIC Engineering, Inc. 2285 Morello Avenue Pleasant Hill, California 94523 (925) 602-4710
ETIC Project Manager:	Ted Moise
Regulatory Oversight:	Bob Schultz 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 3 August 2004, the date of the last monitoring event, until 4 November 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:	4 November 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
- Ethyl t-butyl ether, tert-amyl methyl ether, tertiary butyl alcohol, 1,2-dibromoethane, 1,2-dichloroethane, diisopropyl ether, 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

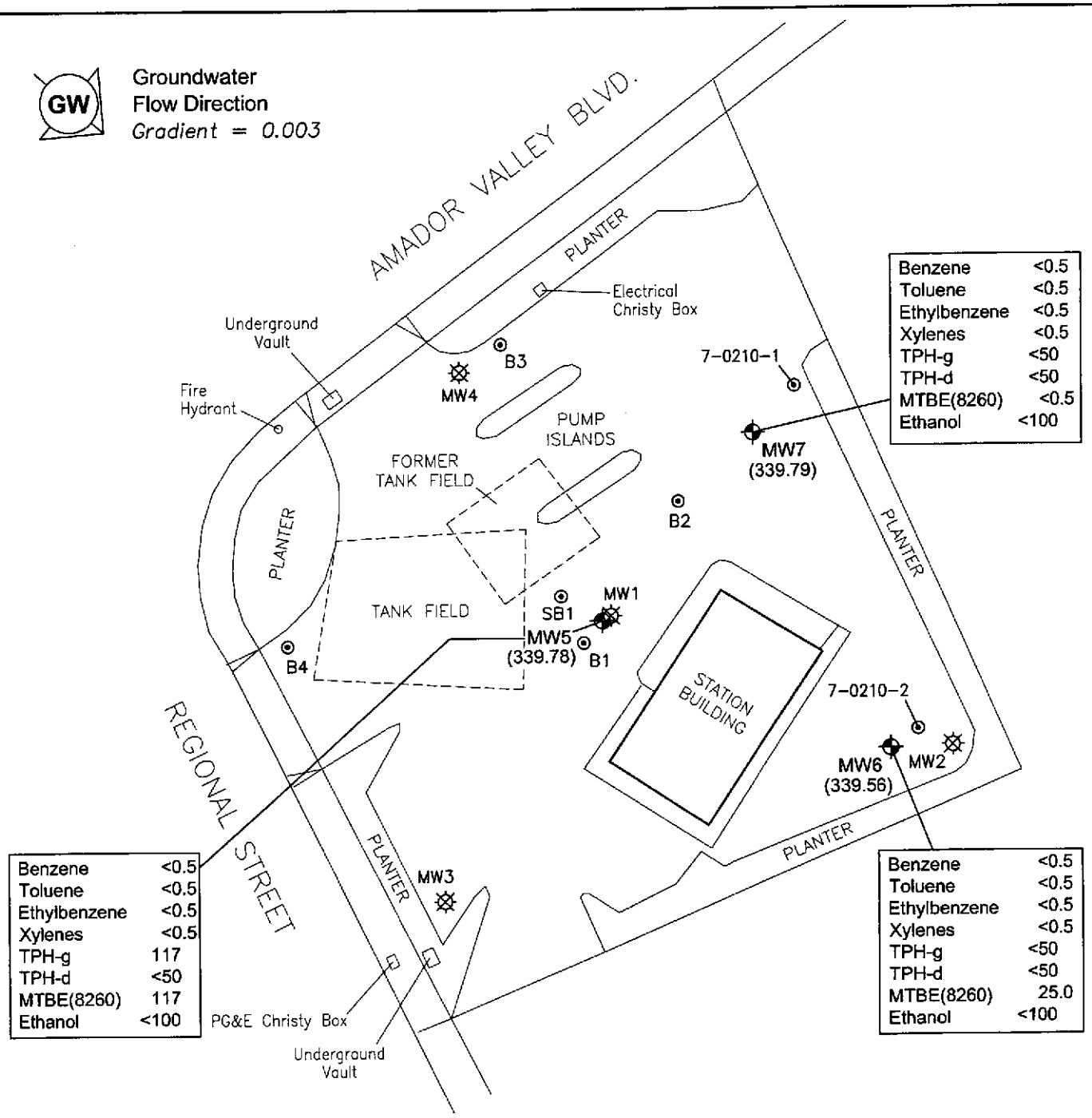
Groundwater will be monitored in accordance with the attached groundwater monitoring plan. ExxonMobil plans to discuss site details with the Alameda County Health Care Services Agency concerning site closure.

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
- (339.79) 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)

FILENAME: 402004.DWG 12/13/04

ETIC ENGINEERING

SITE PLAN SHOWING GROUNDWATER ELEVATIONS
AND ANALYTICAL RESULTS
FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BLVD., DUBLIN, CA.
4 NOVEMBER 2004

FIGURE: 1

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[h]	<0.5	<0.5	<0.5	190		NA		
MW1	07/26/94	96.32	15.11	81.21	0.00	<0.5[h]	<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)	Ethanol (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)	Ethanol (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]		
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

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	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 [e]	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
MW5	08/03/04	352.95	13.39	339.56	0.00	<0.5	<0.5	<0.5	1.0	553	d	<50	92.8[a]	<100[a]	NA
MW5	**11/04/04**	**352.95**	**13.17**	**339.78**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**117**	**d**	**<50**	**117[a]**	**<100[a]**	**ND[c]**
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]		
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]		

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	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
MW6	08/03/04	352.69	13.37	339.32	0.00	<0.5	<0.5	<0.5	<0.5	243	d	<50	62.3[a]	<100[a]	NA
MW6	**11/04/04**	**352.69**	**13.13**	**339.56**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**d**	**<50**	**25.0[a]**	**<100[a]**	**ND[c]**
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
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

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	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
MW7	08/03/04	351.87	12.30	339.57	0.00	<0.5	<0.5	<0.5	<0.5	94.0	d	<50	<0.5[a]	<100[a]	NA
MW7	**11/04/04**	**351.87**	**12.08**	**339.79**	**0.00**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**d**	**<50**	**<0.5[a]**	**<100[a]**	**ND[c]**

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: 11/4/04

Station Number: 7-0210

Samplers: C. Mitchell

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	13.17				25.00	24.07	2"
MW6	13.13				25.00	24.50	2"
MW7	12.08				25.00	23.47	2"

ETIC ENGINEERING

Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW5 Date: 11/4/04

Project No: UP0210.1 Personnel: C. Mitchell

GAUGING DATA

Water Level Measuring Method: (WLM) / IP Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)		Depth to Water (feet)		Water Column (feet)		Multiplier for Casing Diameter				Casing Volume (gal)		Total Purge Volume (gal)
	24.07	−	13.17	=	10.90	X	1	(2)	4	6	1.74	=	5.23
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: WATERRA / SUB / BAILER

Time	10:46	10:47	10:48			
Volume Purge (gal)	2	4	6			
Temperature (C)	21.5°C	22.3°C	22.4°C			
pH	7.23	7.04	7.01			
Spec Cond (mhos)	1303 µS	1291 µS	1288 µS			
Turbidity/Color	S.Ity	S.Ity	S.Ity			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 10:55 Approximate Depth to Water During Sampling: 14 (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: 1x Tang broken

Well Head Conditions Requiring Correction: 2x OK

Problems Encountered During Purging and Sampling: None

Comments:

BOLTS	(Y)	N
LOCK & CAP	(Y)	N
GROUT	(Y)	N
WELL BOX	(Y)	N
WSECURED	(Y)	N

ETIC ENGINEERING

Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW6 Date: 11/4/04

Project No: UP0210.1 Personnel: C. Mitchell

GAUGING DATA

Water Level Measuring Method: ~~WLM~~ / IP Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)		Depth to Water (feet)		Water Column (feet)		Multiplier for Casing Diameter				Casing Volume (gal)		Total Purge Volume (gal)
	24.50	=	13.13	=	11.37	X	1	(2)	4	6	1.81	=	5.45
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: (WATERRA) / SUB / BAILER

Time	10:01	10:03	10:05			
Volume Purge (gal)	2	4	6			
Temperature (C)	20.5°C	21.0°C	21.2°C			
pH	6.73	6.75	6.88			
Spec Cond (umhos)	1331µS	1313µS	1309µS			
Turbidity/Color	Slightly Cloudy	Slightly Cloudy	Slightly Cloudy			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 10:10 Approximate Depth to Water During Sampling: 14 (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:

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

ETIC ENGINEERING

Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 7-0210 Well No: MW7 Date: 11/4/04

Project No: UP0210.1 Personnel: C. Mitchell

GAUGING DATA

Water Level Measuring Method: (WLM) / IP Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)		Depth to Water (feet)		Water Column (feet)		Multiplier for Casing Diameter				Casing Volume (gal)		Total Purge Volume (gal)
	23.47	−	12.08	=	11.39	X	1	(2)	4	6	1.82	=	5.46
							0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method: WATERRA / SUB / BAILER

Time	10:25	10:26	10:27			
Volume Purge (gal)	2	4	6			
Temperature (C)	21.6°C	22.1°C	22.1°C			
pH	7.16	7.06	7.07			
Spec Cond (umhos)	1319 µS	1311 µS	1311 µS			
Turbidity/Color	S. Hy	S. Hy	S. Hy			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observbations:

SAMPLING DATA

Time Sampled: 10:35 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
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: CC

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

Well Head Conditions Requiring Correction: None

Problems Encountered During Purging and Sampling: None

Comments:

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

Appendix C

Laboratory Analytical Reports

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

11/12/04

CASE NARRATIVE

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: 395742.

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 accreditation.

Sample Identification	Lab Number	Collection Date
MW5	04-A172853	11/ 4/04
MW6	04-A172854	11/ 4/04
MW7	04-A172855	11/ 4/04

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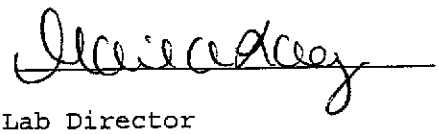
Sample Identification	Lab Number	Collection Date

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: 11/12/04

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

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: CHRISTOPHER MITCHELL

Lab Number: 04-A172853
Sample ID: MW5
Sample Type: Water
Site ID: 7-0210

Date Collected: 11/ 4/04
Time Collected: 10:55
Date Received: 11/ 6/04
Time Received: 8:10
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	11/ 8/04	19:20	I. Ahmed	8021B	2212
Ethylbenzene	ND	ug/l	0.5	1.0	11/ 8/04	19:20	I. Ahmed	8021B	2212
Toluene	ND	ug/l	0.5	1.0	11/ 8/04	19:20	I. Ahmed	8021B	2212
Xylenes (Total)	ND	ug/l	0.5	1.0	11/ 8/04	19:20	I. Ahmed	8021B	2212
TPH (Gasoline Range)	117.	ug/l	50.0	1.0	11/ 8/04	19:20	I. Ahmed	8015B	2212
TPH (Diesel Range)	ND	ug/l	50.	1.0	11/11/04	5:41	B. Yanna	8015B/3510	4611
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	11/ 9/04	1:31	C. Wani	8260B	4207
tert-amyl methyl ether	ND	ug/L	0.50	1.0	11/ 9/04	1:31	C. Wani	8260B	4207
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	11/ 9/04	1:31	C. Wani	8260B	4207
1,2-Dibromoethane	ND	ug/l	0.50	1.0	11/ 9/04	1:31	C. Wani	8260B	4207
1,2-Dichloroethane	ND	ug/l	0.50	1.0	11/ 9/04	1:31	C. Wani	8260B	4207
Methyl-t-butyl ether	117.	ug/l	0.50	1.0	11/ 9/04	1:31	C. Wani	8260B	4207
Ethanol	ND	ug/L	100.	1.0	11/ 9/04	1:31	C. Wani	8260B	4207
Diisopropyl ether	ND	ug/l	0.50	1.0	11/ 9/04	1:31	C. Wani	8260/SA05-77	4207

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A172853
Sample ID: MW5
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/ 9/04		J. Davis	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	66.	55. - 133.
BTEX/GRO Surr., a,a,a-TFT	112.	70. - 123.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	96.	79. - 113.
VOA Surr, 4-BFB	90.	79. - 125.
VOA Surr, DBFM	105.	75. - 134.

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: CHRISTOPHER MITCHELL

Lab Number: 04-A172854
Sample ID: MW6
Sample Type: Water
Site ID: 7-0210

Date Collected: 11/ 4/04
Time Collected: 10:10
Date Received: 11/ 6/04
Time Received: 8:10
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	11/ 8/04	19:35	I. Ahmed	8021B	2212
Ethylbenzene	ND	ug/l	0.5	1.0	11/ 8/04	19:35	I. Ahmed	8021B	2212
Toluene	ND	ug/l	0.5	1.0	11/ 8/04	19:35	I. Ahmed	8021B	2212
Xylenes (Total)	ND	ug/l	0.5	1.0	11/ 8/04	19:35	I. Ahmed	8021B	2212
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/ 8/04	19:35	I. Ahmed	8015B	2212
TPH (Diesel Range)	ND	ug/l	50.	1.0	11/11/04	5:57	B. Yanna	8015B/3510	4611
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	11/ 9/04	2:01	C. Wani	8260B	4207
tert-amyl methyl ether	ND	ug/L	0.50	1.0	11/ 9/04	2:01	C. Wani	8260B	4207
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	11/ 9/04	2:01	C. Wani	8260B	4207
1,2-Dibromoethane	ND	ug/l	0.50	1.0	11/ 9/04	2:01	C. Wani	8260B	4207
1,2-Dichloroethane	ND	ug/l	0.50	1.0	11/ 9/04	2:01	C. Wani	8260B	4207
Methyl-t-butyl ether	25.0	ug/l	0.50	1.0	11/ 9/04	2:01	C. Wani	8260B	4207
Ethanol	ND	ug/L	100.	1.0	11/ 9/04	2:01	C. Wani	8260B	4207
Diisopropyl ether	ND	ug/l	0.50	1.0	11/ 9/04	2:01	C. Wani	8260/SA05-77	4207

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A172854
Sample ID: MW6
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/ 9/04		J. Davis	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	64.	55. - 133.
BTEX/GRO Surr., a,a,a-TFT	112.	70. - 123.
VOA Surr 1,2-DCA-d4	99.	73. - 127.
VOA Surr Toluene-d8	99.	79. - 113.
VOA Surr, 4-BFB	95.	79. - 125.
VOA Surr, DBFM	109.	75. - 134.

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: CHRISTOPHER MITCHELL

Lab Number: 04-A172855
Sample ID: MW7
Sample Type: Water
Site ID: 7-0210

Date Collected: 11/ 4/04
Time Collected: 10:35
Date Received: 11/ 6/04
Time Received: 8:10
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	11/ 8/04	19:50	I. Ahmed	8021B	2212
Ethylbenzene	ND	ug/l	0.5	1.0	11/ 8/04	19:50	I. Ahmed	8021B	2212
Toluene	ND	ug/l	0.5	1.0	11/ 8/04	19:50	I. Ahmed	8021B	2212
Xylenes (Total)	ND	ug/l	0.5	1.0	11/ 8/04	19:50	I. Ahmed	8021B	2212
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	11/ 8/04	19:50	I. Ahmed	8015B	2212
TPH (Diesel Range)	ND	ug/l	50.	1.0	11/11/04	6:14	B. Yanna	8015B/3510	4611
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	11/ 9/04	2:30	C. Wani	8260B	4207
tert-amyl methyl ether	ND	ug/L	0.50	1.0	11/ 9/04	2:30	C. Wani	8260B	4207
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	11/ 9/04	2:30	C. Wani	8260B	4207
1,2-Dibromoethane	ND	ug/l	0.50	1.0	11/ 9/04	2:30	C. Wani	8260B	4207
1,2-Dichloroethane	ND	ug/l	0.50	1.0	11/ 9/04	2:30	C. Wani	8260B	4207
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	11/ 9/04	2:30	C. Wani	8260B	4207
Ethanol	ND	ug/L	100.	1.0	11/ 9/04	2:30	C. Wani	8260B	4207
Diisopropyl ether	ND	ug/l	0.50	1.0	11/ 9/04	2:30	C. Wani	8260/SA05-77	4207

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A172855
Sample ID: MW7
Project:

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	11/ 9/04		J. Davis	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	69.	55. - 133.
BTEX/GRO Surr., a,a,a-TFT	117.	70. - 123.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	97.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	106.	75. - 134.

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
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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	0.0461	0.0500	92	50. - 160.	2212	04-A172853
Toluene	mg/l	< 0.0005	0.0452	0.0500	90	51. - 157.	2212	04-A172853
Ethylbenzene	mg/l	< 0.0005	0.0463	0.0500	93	47. - 159.	2212	04-A172853
Xylenes (Total)	mg/l	< 0.0005	0.0892	0.100	89	51. - 152.	2212	04-A172853
TPH (Diesel Range)	mg/l	< 0.050	0.997	1.00	100	35. - 124.	4611	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				110	70 - 123	2212	
VOA Surr 1,2-DCA-d4	% Rec				95	73 - 127	4207	
VOA Surr Toluene-d8	% Rec				97	79 - 113	4207	
VOA Surr, 4-BFB	% Rec				90	79 - 125	4207	
VOA Surr, DBFM	% Rec				105	75 - 134	4207	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0461	0.0450	2.41	30.	2212
Toluene	mg/l	0.0452	0.0436	3.60	37.	2212
Ethylbenzene	mg/l	0.0463	0.0448	3.29	38.	2212
Xylenes (Total)	mg/l	0.0892	0.0856	4.12	33.	2212
TPH (Diesel Range)	mg/l	0.997	1.01	1.30	36.	4611
BTEX/GRO Surr., a,a,a-TFT	% Recovery		111.			2212

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
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VOA Surr 1,2-DCA-d4	% Rec	96.	4207
VOA Surr Toluene-d8	% Rec	98.	4207
VOA Surr, 4-BFB	% Rec	92.	4207
VOA Surr, DBFM	% Rec	109.	4207

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.104	104	72 - 118	2212
Toluene	mg/l	0.100	0.103	103	72 - 119	2212
Ethylbenzene	mg/l	0.100	0.105	105	71 - 119	2212
Xylenes (Total)	mg/l	0.200	0.205	102	70 - 117	2212
TPH (Gasoline Range)	mg/l	1.00	1.04	104	64 - 130	2212
BTEX/GRO Surr., a,a,a-TFT	% Recovery			113	70 - 123	2212
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	1.06	106	41 - 120	4611
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0490	98	67 - 140	4207
Ethyl-t-butylether	mg/l	0.0500	0.0514	103	67 - 140	4207
tert-amyl methyl ether	mg/L	0.0500	0.0482	96	68 - 134	4207
tert-amyl methyl ether	mg/L	0.0500	0.0511	102	68 - 134	4207
Tertiary butyl alcohol	mg/l	0.500	0.537	107	28 - 182	4207
Tertiary butyl alcohol	mg/l	0.500	0.579	116	28 - 182	4207
1,2-Dibromoethane	mg/l	0.0500	0.0557	111	72 - 135	4207
1,2-Dibromoethane	mg/l	0.0500	0.0574	115	72 - 135	4207
1,2-Dichloroethane	mg/l	0.0500	0.0530	106	73 - 130	4207
1,2-Dichloroethane	mg/l	0.0500	0.0552	110	73 - 130	4207
Methyl-t-butyl ether	mg/l	0.0500	0.0511	102	69 - 136	4207
Methyl-t-butyl ether	mg/l	0.0500	0.0532	106	69 - 136	4207
Ethanol	mg/L	5.00	5.54	111	48 - 164	4207
Ethanol	mg/L	5.00	5.40	108	48 - 164	4207

Project QC continued . . .

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Diisopropyl ether	mg/l	0.0500	0.0514	103	65 - 140	4207
Diisopropyl ether	mg/l	0.0500	0.0527	105	65 - 140	4207
VOA Surr 1,2-DCA-d4	% Rec			92	73 - 127	4207
VOA Surr 1,2-DCA-d4	% Rec			96	73 - 127	4207
VOA Surr Toluene-d8	% Rec			99	79 - 113	4207
VOA Surr Toluene-d8	% Rec			98	79 - 113	4207
VOA Surr, 4-BFB	% Rec			91	79 - 125	4207
VOA Surr, 4-BFB	% Rec			86	79 - 125	4207
VOA Surr, DBFM	% Rec			109	75 - 134	4207
VOA Surr, DBFM	% Rec			108	75 - 134	4207

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	2212	11/ 8/04	11:24
Toluene	0.0007	mg/l	2212	11/ 8/04	11:24
Ethylbenzene	< 0.0005	mg/l	2212	11/ 8/04	11:24
Xylenes (Total)	< 0.0005	mg/l	2212	11/ 8/04	11:24

Project QC continued . . .

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
TPH (Gasoline Range)	< 0.0500	mg/l	2212	11/ 8/04	11:24
TPH (Diesel Range)	< 0.050	mg/l	4611	11/11/04	8:17
BTEX/GRO Surr., a,a,a-TFT	98.	% Recovery	2212	11/ 8/04	11:24
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00027	mg/l	4207	11/ 8/04	13:17
Ethyl-t-butylether	< 0.00027	mg/l	4207	11/ 9/04	1:02
tert-amyl methyl ether	< 0.00030	mg/L	4207	11/ 8/04	13:17
tert-amyl methyl ether	< 0.00030	mg/L	4207	11/ 9/04	1:02
Tertiary butyl alcohol	< 0.00428	mg/l	4207	11/ 8/04	13:17
Tertiary butyl alcohol	< 0.00428	mg/l	4207	11/ 9/04	1:02
1,2-Dibromoethane	< 0.00023	mg/l	4207	11/ 8/04	13:17
1,2-Dibromoethane	< 0.00023	mg/l	4207	11/ 9/04	1:02
1,2-Dichloroethane	< 0.00039	mg/l	4207	11/ 8/04	13:17
1,2-Dichloroethane	< 0.00039	mg/l	4207	11/ 9/04	1:02
Methyl-t-butyl ether	< 0.00023	mg/l	4207	11/ 8/04	13:17
Methyl-t-butyl ether	< 0.00023	mg/l	4207	11/ 9/04	1:02
Ethanol	< 0.0307	mg/L	4207	11/ 8/04	13:17
Ethanol	< 0.0307	mg/L	4207	11/ 9/04	1:02
Diisopropyl ether	< 0.00018	mg/l	4207	11/ 8/04	13:17
Diisopropyl ether	< 0.00018	mg/l	4207	11/ 9/04	1:02
VOA Surr 1,2-DCA-d4	97.	% Rec	4207	11/ 8/04	13:17
VOA Surr 1,2-DCA-d4	94.	% Rec	4207	11/ 9/04	1:02
VOA Surr Toluene-d8	95.	% Rec	4207	11/ 8/04	13:17
VOA Surr Toluene-d8	98.	% Rec	4207	11/ 9/04	1:02
VOA Surr, 4-BFB	92.	% Rec	4207	11/ 8/04	13:17
VOA Surr, 4-BFB	92.	% Rec	4207	11/ 9/04	1:02
VOA Surr, DBFM	110.	% Rec	4207	11/ 8/04	13:17
VOA Surr, DBFM	104.	% Rec	4207	11/ 9/04	1:02

Project QC continued . . .

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= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 395742

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

39742

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 M. Tschudi
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	7 OXYS BY 8260B		TPH-D BY 8015	MTBE +ETHANOL BY 8260B						IRUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results
MW5 172853	11/4	1055	8				X		X						X						X	X		X	X							X	X
MW6 54	↓	1010	8				X		X						X						X	X		X	X							X	X
MW7 172855	↓	1035	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
	11/4/04	1845		11/4/04	0810
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

Laboratory Comments:
Temperature Upon Receipt: 1.6
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

395742

COOLER RECEIPT FORM BC#

Client Name : ETIC Engineering

Cooler Received/Opened On: 11/06/04 **Accessioned By:** Shawn Gracey

Log-in Personnel Signature

1. **Temperature of Cooler when triaged:** 1.6 **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. **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:**

    2374

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