#### **RECEIVED**

Jennifer C. Sedlachek Project Manager

8:24 am, Apr 04, 2007

Alameda County
Environmental Health

4096 Piedmont Avenue #194
Oakland, CA 94611
510 547.8196
510 547 8706 FAX
jennifer c sedlachek@exxonmobil.com

EXONMobil
Refining & Supply

April 2, 2007

Mr. Barney Chan 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. Chan:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, First Quarter 2007* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the February 2007 sampling event.

Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached report is true and correct.

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

Sincerely,

Jennifer C. Sedlachek

#Sidlaelik

Project Manager

Attachment: ETIC Groundwater Monitoring Report dated April 2007

c: w/ attachment:

Mr. Robert Ehlers - Valero Energy Corporation (pdf copy via email to <julie.johns@valero.com>)

c: w/o attachment:

Ms. Christa Marting - ETIC Engineering, Inc.



## Report of Groundwater Monitoring First Quarter 2007

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

Prepared for

ExxonMobil Oil Corporation 4096 Piedmont Avenue #194 Oakland, California 94611

Prepared by

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

Ted Moise

Senior Project Manager

Date

4/2/02

K. Erik Appel, P.G. #8092

Senior Project Geologist

INFRESTOPHER OF APPEL OF APPEL

Date

#### 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: Barney Chan

Alameda County Health Care Services Agency

1131 Harbor Bay Parkway

Alameda, California 94501-6577

(510) 567-6700

#### INTRODUCTION

At the request of ExxonMobil Oil Corporation, 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 8 November 2006, the date of the last monitoring event, until 2 February 2007, 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: 2 February 2007
Wells gauged and sampled: MW5-MW7

Wells gauged only:

Groundwater flow direction:

Groundwater gradient:

Well screens submerged:

None

Well screens not submerged: MW5-MW7

Liquid-phase hydrocarbons: Not observed or detected

Laboratory: TestAmerica, Inc., Nashville, Tennessee

#### Analyses performed:

- Total Petroleum Hydrocarbons as gasoline by EPA Method 8015B
- Total Petroleum Hydrocarbons as diesel by EPA Method 8015B
- Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8021B
- Methyl t-butyl ether by EPA Method 8260B

#### ADDITIONAL ACTIVITIES PERFORMED

A Case Closure Request was submitted in June 2006.

### WORK PROPOSED FOR NEXT QUARTER

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

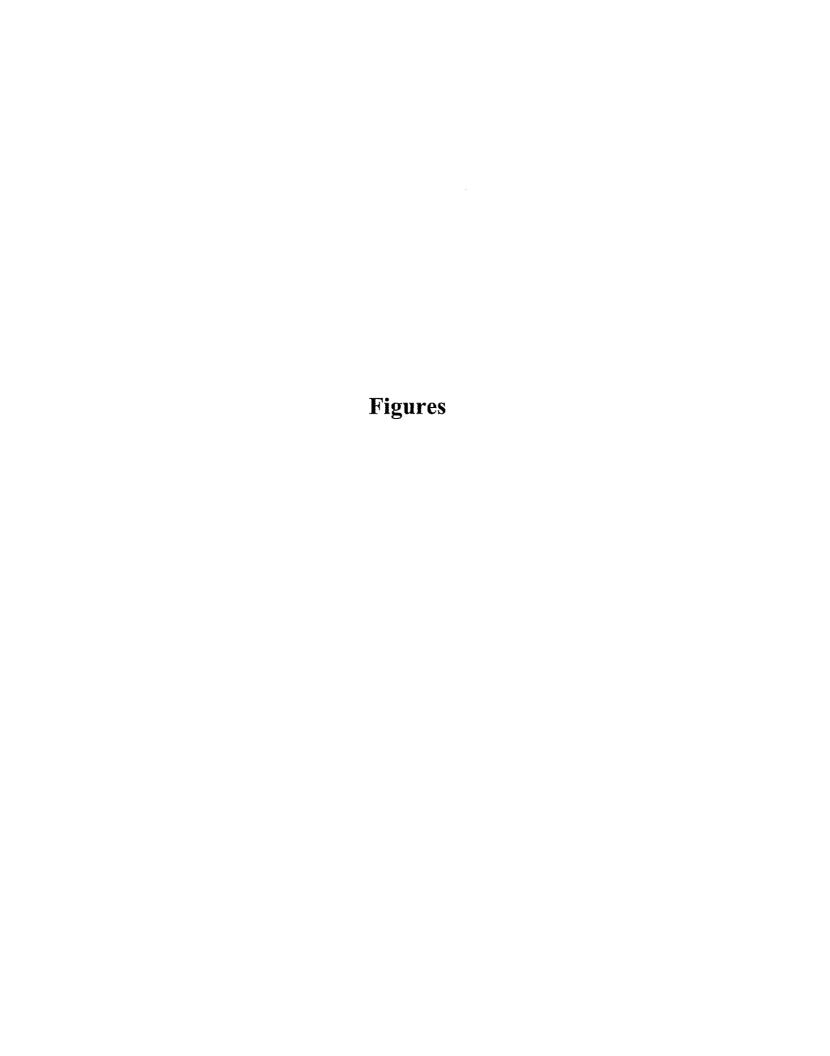
#### Attachments:

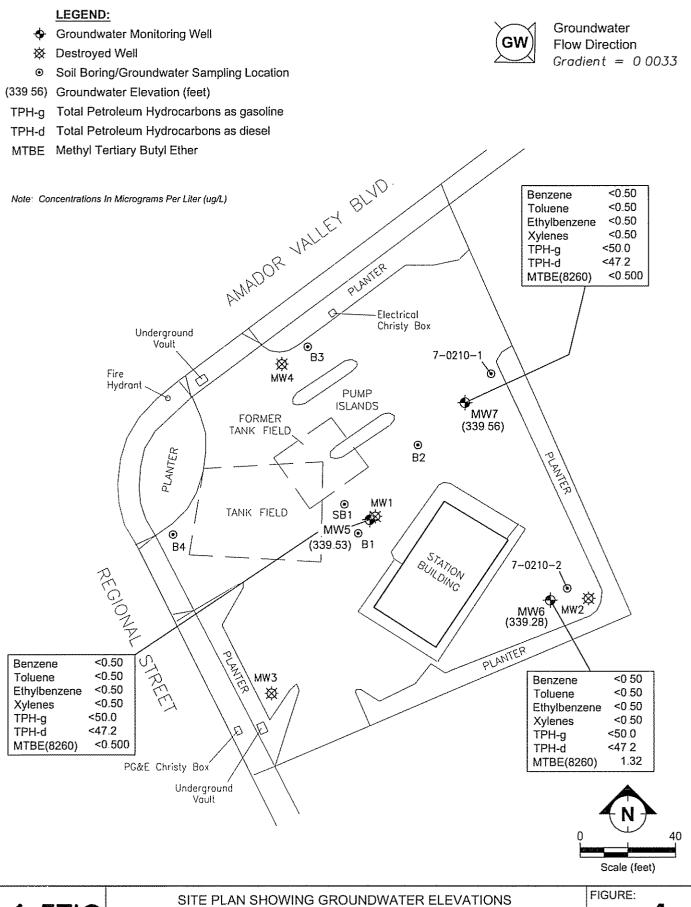
Figure 1: Site Plan Showing Groundwater Elevations and Analytical Results

Table 1: Well Construction DetailsTable 2: Groundwater Monitoring DataTable 3: Groundwater Monitoring Plan

Appendix A: Field Protocols Appendix B: Field Documents

Appendix C: Laboratory Analytical Reports





**ETIC** ENGINEERING

03/02/07

AND ANALYTICAL RESULTS
FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BLVD., DUBLIN, CA.
2 FEBRUARY 2007

1



TABLE I WELL CONSTRUCTION DETAILS, FORMER EXXON RS 7-0210, 7840 AMADOR VALLEY BOULEVARD, DUBLIN, CALIFORNIA

Well Number		Well Isntallation 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.

<sup>--</sup> Information not available.

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

									C	oncentraio	n (μg/L)			
		Casing	•	Groundwater	LPH									Other
Well Number	Date	Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)	Donzana	Toluene	Ethyl-	Total Xylenes	TPH-g	TPH-d	MTBE	Ethanol	Oxygenates and Additives
indilinei	Date	(1661)	(Teel)	(Icci)	(1661)	Delizene	TOTALETTE	Delizene	Aylelles	1111 <del>-</del> g	1111-u	MITDL	Ethanor	and Additives
MWI	05/21/92	96.32	14.45	81.87	0.00	<0.5	<0.5	<0.5	<0.5	<50		NA		
MWI	02/10/93	96.32	12.22	84.10	0.00	3.1	<0.5	1.8	0.6	2,600		NA		
MWI	05/20/93	96.32	10.74	85.58	0.00	1.9	<0.5	1.8	<1.0	1,000		NA		
MWI	06/23/93	96.32	11.74	84.58	0.00	1.0	<0.5	1.2	<0.5	1,300		NA		
MWI	08/23/93	96.32	12.72	83.60	0.00	<0.5	< 0.5	<0.5	0.8	80		NA		
MWI	10/25/93	96.32	13.99	82.33	0.00	< 0.5	< 0.5	0.8	1.3	140		NA		
MWI	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 <sup>b</sup>	< 0.5	< 0.5	< 0.5	190		NA		
MW1	07/26/94	96.32	15.11	81.21	0.00	<0.5 <sup>b</sup>	< 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 destr	oyed April 199	6.									
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

									C	Concentrator	n (μg/L)			
		Casing	•	Groundwater	LPH									Other
Well	D .	Elevation	Water	Elevation	Thickness	D	Toluene	Ethyl-	Total	TPH-g	TPH-d	MTBE	Ethanol	Oxygenates and Additives
Number	Date	(feet)	(feet)	(feet)	(feet)	Benzene	Totuene	benzene	Aylenes	irn-g	IFM-u	MIDE	Euranor	and Additives
MW2			Well destr	oyed April 199	16.									
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 destr	oyed April 199	06.									
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

									C	oncentra	ion	(μg/L)			
337 11		Casing	Depth to		LPH			Tieta al	Total						Other
Well Number	Date	Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g		TPH-d	MTBE	Ethanol	Oxygenates and Additives
	2010	(IUUL)	(1001)	(1000)	(2001)			0 711117117	***						
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 destr	oyed April 199	6.										
MW5	06/15/00	STATION	OPERAT	IONS TRANSF	ERRED TO	) VALERO	O ENERG	Y CORPO	DRATION						
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°		
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°		
MW5	05/09/01	352.93	12.20	340.73	0.00	< 0.5	< 0.5	< 0.5	< 0.5	<50			770°		$ND^c$
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 <sup>a</sup>		
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 <sup>a</sup>		
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 <sup>a</sup>		
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 <sup>a</sup>		
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											132ª		
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											96.4ª		
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 <sup>a</sup>		
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											498ª		

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

									C	oncentra	ior	(μg/L)			
*** 11		Casing	Depth to		LPH			F. 1	<b>.</b>						Other
Well Number	Date	Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g		TPH-d	MTBE	Ethanol	Oxygenates and Additives
ramou	Date	(1001)	(1001)	(1001)	(1001)	Donizono	Totachic	- CONZONO	21 y Torros	**** 5		11114	111122	Diminor	and riddier vos
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 <sup>a</sup>		
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											272ª		
MW5	01/28/04	352.95	12.41	340.54	0.00	< 0.5	0.9	< 0.5	1.1	283	d	NA <sup>e</sup>	485		NA
MW5	01/28/04	352.95											453°		
MW5	04/16/04	352.95	11.67	341.28	0.00	< 0.5	< 0.5	< 0.5	< 0.5	163	d	<50	200°	<100°	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°	<100°	NA
MW5	11/04/04	352.95	13.17	339.78	0.00	< 0.5	< 0.5	< 0.5	< 0.5	117	d	< 50	117ª	<100°	ND°
MW5	02/16/05	352.95	10.81	342.14	0.00	< 0.50	< 0.5	< 0.5	< 0.5	<50.0	d	< 50	43.2ª	<100°	NA
MW5	05/16/05	352.95	9.92	343.03	0.00	< 0.5	< 0.5	< 0.5	< 0.5	< 50	d	<50	29.5°	<100°	NA
MW5	08/17/05	352.95	11.84	341.11	0.00	< 0.5	< 0.5	< 0.5	< 0.5	<50	d	<50	2.29 <sup>a</sup>	<100°	NA
MW5	11/17/05	352.95	13.77	339.18	0.00	< 0.5	< 0.5	< 0.5	1.18	72.6	d	<50	1.02 <sup>a</sup>	<50°	ND <sup>c</sup>
MW5	02/06/06	352.95	11.73	341.22	0.00	< 0.5	< 0.5	< 0.5	< 0.5	<50	d	<50	1.1 <sup>a</sup>	NA	$ND^c$
MW5	05/03/06	352.95	9.44	343.51	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47	10.3 <sup>a</sup>	NA	$ND^c$
MW5	08/04/06	352.95	11.91	341.04	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<48.5	< 0.500°	NA	$ND^c$
MW5	11/08/06	352.95	13.43	339.52	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47	<0.500°	NA	$ND^c$
MW5	02/02/07	352.95	13.42	339.53	0.00	< 0.50	< 0.50	< 0.50	<0.50	<50.0	d	<47.2	<0.500°	NA	NA
MW6	06/15/00	STATION	OPERATI	IONS TRANSI	FERRED TO	) VALERO	O ENERG	Y CORPO	RATION						
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 <sup>a</sup>		
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°		
MW6	05/09/01	352.66	12.25	340.41	0.00	< 0.5	< 0.5	< 0.5	< 0.5	<50			760 <sup>a</sup>		$ND^c$
MW6	09/12/01	352.66	13.83	338.83	0.00	< 0.5	< 0.5	< 0.5	< 0.5	<50			680		NA

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

									C	oncentra	aion	(μg/L)			
*** 51		Casing	Depth to		LPH			T7.1 (							Other
Well Number	Date	Elevation (feet)	Water (feet)	Elevation (feet)	Thickness (feet)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g		TPH-d	MTBE	Ethanol	Oxygenates and Additives
runnoci	Date	(ICCI)	(ICCI)	(1000)	(1001)	Bellzene	Totache	ochzene	Trytonos	11116		11110	141 1212	Duidiloi	and reductives
MW6	09/12/01	352.66											740 <sup>a</sup>		
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°		
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°		
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 <sup>a</sup>		
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 <sup>n</sup>		
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											293ª		
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											491ª		
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°		
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											244ª		
MW6	04/16/04	352.69	11.68	341.01	0.00	< 0.5	< 0.5	< 0.5	< 0.5	219	d	<50	301°	<100°	NA
MW6	08/03/04	352.69	13.37	339.32	0.00	< 0.5	< 0.5	< 0.5	< 0.5	243	d	<50	62.3ª	<100°	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 <sup>a</sup>	<100°	$ND^c$
MW6	02/16/05	352.69	10.77	341.92	0.00	< 0.50	0.8	< 0.5	1.4	53.5	d	<50	52.3ª	<100 <sup>a</sup>	NA
MW6	05/16/05	352.69	9.98	342.71	0.00	< 0.5	< 0.5	< 0.5	1.2	59.7	d	<50	30.1 <sup>a</sup>	<100°	NA

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

									C	oncentra	iion	(μg/L)			
		Casing	Depth to	Groundwater	LPH										Other
Well	Data	Elevation (feet)	Water	Elevation (feet)	Thickness	Dangens	Toluene	Ethyl- benzene	Total Xylenes	TPH-g		TPH-d	MTBE	Ethanol	Oxygenates and Additives
Number	Date	(leet)	(feet)	(Teet)	(feet)	Benzene	Toluene	belizelle	Aylelles	irn-g		Irn-u	MIIDE	Emanor	and Additives
MW6	08/17/05	352.69	11.84	340.85	0.00	<0.5	0.574	<0.5	0.843	<50	d	<50	4.21 <sup>a</sup>	<100°	NA
MW6	11/17/05	352.69	13.70	338.99	0.00	<0.5	<0.5	<0.5	<0.5	<50	ď	<50	1.45 <sup>a</sup>	<50°	ND°
MW6	02/06/06	352.69	11.75	340.94	0.00	< 0.5	< 0.5	<0.5	<0.5	<50	d	<50	2.7ª	NA	$ND^c$
MW6	05/03/06	352.69	9.55	343.14	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47	5.52ª	NA	$ND^c$
MW6	08/04/06	352.69	11.89	340.80	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47.2	1.55ª	NA	ND <sup>c</sup>
MW6	11/08/06	352.69	13.42	339.27	0.00	< 0.50	< 0.50	< 0.50	< 0.50	61.3	d	<47	0.860 <sup>a</sup>	NA	$ND^{c}$
MW6	02/02/07	352.69	13.41	339.28	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47.2	1.32 <sup>a</sup>	NA	NA
MW7	06/15/00	STATION	OPERATI	ONS TRANSI	ERRED TO	VALER	O ENERG	Y CORPO	RATION						
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			<5ª		$ND^{c}$
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 <sup>a</sup>		
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	đ	<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
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 <sup>a</sup>	<100°	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 <sup>a</sup>	<100°	NA

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

									C	oncentra	ion	(μg/L)			
		Casing	Depth to	Groundwater	LPH										Other
Well		Elevation	Water	Elevation	Thickness			Ethyl-	Total						Oxygenates
Number	Date	(feet)	(feet)	(feet)	(feet)	Benzene	Toluene	benzene	Xylenes	TPH-g		TPH-d	MTBE	Ethanol	and Additives
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 <sup>a</sup>	<100 <sup>a</sup>	$ND^c$
MW7	02/16/05	351.87	9.73	342.14	0.00	< 0.50	< 0.5	< 0.5	< 0.5	<50.0	d	<50	< 0.50°	<100°	NA
MW7	05/16/05	351.87	8.87	343.00	0.00	< 0.5	< 0.5	< 0.5	< 0.5	< 50	d	<50	< 0.50°	<100°	NA
MW7	08/17/05	351.87	10.73	341.14	0.00	< 0.5	< 0.5	< 0.5	0.880	< 50	d	<50	< 0.50°	<100 <sup>a</sup>	NA
MW7	11/17/05	351.87	12.63	339.24	0.00	< 0.5	< 0.5	< 0.5	< 0.5	< 50	d	<50	< 0.50°	<50 <sup>a</sup>	ND°
MW7	02/06/06	351.87	10.65	341.22	0.00	< 0.5	< 0.5	< 0.5	< 0.5	< 50	d	<50	< 0.50°	NA	$ND^c$
MW7	05/03/06	351.87	8.45	343.42	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47	<1.00 <sup>a</sup>	NA	$ND^c$
MW7	08/04/06	351.87	10.81	341.06	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47.2	<0.500°	NA	$ND^c$
MW7	11/08/06	351.87	12.36	339.51	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47	< 0.500°	NA	$ND^c$
MW7	02/02/07	351.87	12.31	339.56	0.00	< 0.50	< 0.50	< 0.50	< 0.50	<50.0	d	<47.2	<0.500°	NA	NA

a Analysis by EPA Method 8260.

e Sample bottles broken in transit to laboratory.

LPH	Transcendage	hydrocarbons.
D1 11	Diquid phase	ny arocaroons.

TPH-g Total Petroleum Hydrocarbons as gasoline.

NA Not analyzed.

ND Not detected.

NS Not sampled.

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.

TPH-d Total Petroleum Hydrocarbons as diesel.

MTBE Methyl tertiary butyl ether.

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

									C	Concentrator	n (μg/L)			
		Casing	Depth to	Groundwater	LPH									Other
Well		Elevation	Water	Elevation	Thickness			Ethyl-	Total					Oxygenates
Number	Date	(feet)	(feet)	(feet)	(feet)	Benzene	Toluene	benzene	Xylenes	TPH-g	TPH-d	MTBE	Ethanol	and Additives

μg/L Micrograms per liter.

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

Well	Groundwater Gauging	Groundwate	r Sampling and Analys	is Frequency
Number	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 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** 



Ingineering, Inc.	R 4	_	•		1,000	~ /	<b>` I</b>	· ·	I R	1/	~	1 1	15	1 1	١Λ	 Λ.	r-,	$\neg$ r	ን ለ	۸.
ngmeeing, inc.	11.7	lf	11	NI.			11		ıĸ	. E f	-	١/١	!		34	 Δ		1	< 11/	/1

Client: EXXON MOBIL	Date: 02-02-07
Project Number: UP0210	Station Number: 7-0210

Site Location: Samplers: วิลบนอติ รเฟติป 7840 Amador Valley Blvd., Dublin, CA. 94568

MONITORING WELL NUMBER	DEPTH TO WATER (TOE) 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	13,42				25.00	24.14	2"
MW6	13.41				25.00	24,86	2"
MW7	12,31				25.00	23.65	2"
						····	
						·	
						:	



Project Name:	Exxon 7-0210			AND SAMP Well No: MY	V5	Date:		
Project No:	UP0210.1			Personnel:		15. AL #21	-	
SAUGING DAT Water Level Me	A asuring Method:	WLM / IP		Measuring Po	int De	scription: TOC		
WELL PURGE	Total Depth (feet)	e ou a programme de la Propinsió de la Propins	Water Column (feet)	Multiplier Casing Dian		Casing Volume (gal)	Total F Volume	
CALCULATION		) 13 42 <b>(</b>	) E 32 (	0.04 0.16 0.6	6 4 1.44			÷ ;
PURGING DAT	A							
Purge Method:	/WATERRA/SU	B / BAILER						
Time	<i>5</i> 4 ⋅ 30	1	27 341					
Volume Purge (gal)	-	U SI						
Temperature ( C)	16.5		26 2				<u></u>	,
pH		7 . 7 . 1	's 48					
Spec,Cond.(umho:	REJ.	£ 54	24,012					·····
Turbidity/Color	SETAROUN	516 75 Dis. 31	247 1820UM					
Odor (Y/N)		*						
Dewatered (Y/N).	N.	λŀ	N.I					
Comments/Obse	ervations:							
					············			
SAMPLING D	ΛΤΔ							
SAMELING D						noling: $\frac{1}{2}$	(feet)	
Time Sampled:	04 F		Approximate Dep	th to Water Dui	ring Sar	nping. (*)	(ieet)	
			Approximate Dep	th to Water Du	ring Sar	nping. (**)	(leet)	
Time Sampled:	Number of	Container Type	Approximate Dep	Volume I	illed	Turbidity/ Color	Analysi	
Time Sampled: Comments:	Number of	Container Type VOA		Volume	illed L)		Analysi SEE	COC
Time Sampled: Comments: Sample Number	Number of Containers		Preservative	Volume F	illed L)		Analysi SEE	La valdi, ili salbadi Takan katala
Time Sampled: Comments: Sample Number	Number of Containers	VOA	Preservative HCL	Volume I (mL or	illed L)		Analysi SEE	COC
Time Sampled: Comments: Sample Number	Number of Containers	VOA AMBER	Preservative HCL	Volume F (mL or 40MI	illed L)	Turbidity/ Color	Analysi SEE SEE	COC
Time Sampled: Comments: Sample Number MW5 MW5 Total Rurge V	Number of Containers  6 2 olume:	VOA AMBER  (gallons)	Preservative HCL	Volume I (mL or	illed L)	Turbidity/ Color	Analysi SEE SEE	COC
Time Sampled: Comments: Sample Number MW5 MW5 Total Rurge V Weather Cond	Number of Containers  6 2 olume:	VOA AMBER  (gallons)	Preservative: HCL NONE	Volume F (mL or 40MI	illed L)	Turbidity/ Color  ROMIC BOLTS	Analysi SEE SEE	COC
Time Sampled: Comments:  Sample Number  MW5  MW5  Total Rurge V  Weather Condition of V	Number of Containers  6 2  olume: ditions:	VOA AMBER  (gallons)  (gallons)  g at Time of Samp	Preservative: HCL NONE	Volume F (mL or 40MI	illed L)	ROMIC BOLTS LOCK & CAP	Analysi SEE SEE	COC COC
Time Sampled: Comments:  Sample Number  MW5  MW5  Total Rurge V  Weather Condition of V  Well Head Co	Number of Containers 6 2 olume: ditions: Vell Box and Casir	VOA AMBER  (gallons)  (gallons)  g at Time of Samp	HCL NONE	Volume F (mL or 40MI	illed L)	Turbidity/ Color  ROMIC BOLTS	Analysi SEE SEE	COC

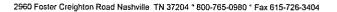


Engineering, Inc.	exxon 7-0210	GROUNDWAT	ER PURGE	ND SAMPLE - Well No: MW6	Date: C	\$-02-07
	JP0210.1			Personnel: /2	INDER	
Project No: U	JF 02 10 .1					
GAUGING DATA Water Level Meas	uring Method: (	WLM) / IP		Measuring Point Des	scription: TOC	
WELL PURGE	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
VOLUME CALCULATION	2480	) 13.41	) 11-39	1 (2) 4 6 0.04 0.16 0.64 1.44	1:67	) 15.46
PURGING DATA						
Purge Method: (	WATERRA / SUI	B / BAILER				
Time	वश्यक	0Q:44				
Volume Purge (gal)	2.	Н,	<u>(</u>			
Temperature ( C)	'G f	1.71	19.7			
pHS and the state of the state	(, 85	े प्रम	6.84			
Spec.Cond.(umhos)	953	97.1	871			
Turbidity/Color	SILTISPECTION	3 34001	SICTY ROUN			
Odor (Y/N)	N	1.	N			
Dewatered (Y/N)	. <u>N!</u>	× 1	N			
Comments/Observ	vations:					
SAMPLING DA	ΤΔ					
Time Sampled:	00,55		Approximate Dep	th to Water During Sar	npling:	(feet)
Comments:						
Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Metho
MMe	6	VOA	HCL	40ML		SEE COC
MW6	2	AMBER	NONE	1 L		SEE COC
Total Purge Vol	lume: (, ,	(gallons)		Disposal:	ROMIC	Q) / N
Weather Condit	tions:				BOLTS	Q / N
Condition of We	ell Box and Casir	ng at Time of Samp	oling: OK		LOCK & CAP GROUT	Ø / N
Well Head Con	ditions Requiring	Correction:	NONE		WELL BOX	Ø / N
Problems Enco	untered During F	urging and Sampl	ing: NONE		WSECURED	<del>707 N</del>
Comments:	M Pre-Field Folder\{purge form	.xls Sh <del>e</del> ≠1				



	···· · · · · · · · · · · · · · · · · ·	GROUNDWAT	ER PURGE	AND Well h	SAN	APLE		Date:	4.	- ¿ )	أجرريت
Project Name:	Exxon 7-0210			Perso							
Project No:	UP0210 1			Perso	uniei.	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	1.10E 4				
GAUGING DATA Water Level Mea		WLM / IP		Meas	uring	Point D	escription:	-69456045611			
WELL PURGE VOLUME	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)			er for iameter	Casing V (gal			il Purg me (g	
CALCULATION	(; .5 <b>(</b>		) 11,3,51 (	0.04	2 0.16	4 6 0.64 1.4	4			, , , , , , , , , , , , , , , , , , ,	;
PURGING DAT	Δ										
Purge Method:	WATERRA / SU	B / BAILER									
Time	75767	18:07	1,9								
Volume Purge (gal)	2	:1	ι,								
Temperature ( C)	ia 5		71								
pH			j. == ()							·····	
Spec.Cond.(umhos		264									
Turbidity/Color	SILTY	31 75	25%							,,,·	
Odor (Y/N)	,	N									,,, <u>,</u>
Dewatered (Y/N)	N.I	,s1	N								··········
Comments/Obse	ervations:										
Comments/Obse	ervations:										
SAMPLING DA			Approximate De	pth to V	Vater	During S	ampling:	13.	(feet)		
	ATA		Approximate De	pth to V	Vater	During S	ampling:	i 3.	(feet)		
Time Sampled:	ATA  Number of	Container Type	Approximate De	- I	/olum	During S ne Filled or L)					eth
SAMPLING DA Time Sampled: Comments:	Number of Containers	Container Type VOA		- I	/olum - (mL	ie Filled			Anal	ysis IV EE C	oc
SAMPLING DA Time Sampled: Comments:	ATA  Number of		Preservative	- I	olum (mL	ne Filled or L)			Anal	/sis N	oc
SAMPLING DA Time Sampled: Comments: Sample Numbe	Number of Containers 6	VOA	Preservative HCL	- I	olum (mL	e Filled or L) )ML			Anal	ysis IV EE C	oc
SAMPLING DA Time Sampled: Comments: Sample Numbe	Number of Containers 6	VOA	Preservative HCL	V	/olum (mL 40	ne Filled or L) OML 1 L		y/ Color	Anal	ysis IV EE C	oc
SAMPLING DA Time Sampled: Comments: Sample Numbe	Number of Containers  6 2  plume:	VOA	Preservative HCL	V	olum (mL	ne Filled or L) OML 1 L	Turbidit		Anal	ysis N EE C EE C	000
SAMPLING DATIME Sampled: Comments: Sample Number MW7 MW7  Total Purge Volume	Number of Containers  6 2 blume:	VOA AMBER  (gallons)	Preservative HCL NONE	V	/olum (mL 40	ne Filled or L) OML 1 L	Turbidit	y/ Color	Anal S	ysis W EE Co EE Co	000
SAMPLING DATIME Sampled: Comments: Sample Number MW7 MW7  Total Purge Volume Weather Condition of Volume Condition of Volume	Number of Containers  6 2  blume:  Vell Box and Casin	VOA AMBER  (gallons)  ng at Time of Samp	Preservative HCL NONE	Dis	/olum (mL 40	ne Filled or L) OML 1 L	BOLTS LOCK 8	y/ Color ROMIC	Anal	ysis N EE C EE C	000
SAMPLING DATIME Sampled: Comments: Sample Number MW7 MW7 Total Purge Volume Weather Condition of Volume Well Head Co	Number of Containers  6 2  blume:  ditions:  Vell Box and Casiners  reductions Requiring	VOA AMBER  (gallons)  ng at Time of Samp	Preservative HCL NONE	Dis	/olum (mL 40	ne Filled or L) OML 1 L	Turbidit	y/ Color	Anal S S	ysis M EE Co EE Co / N / N	DC

# Appendix C Laboratory Analytical Reports





February 13, 2007

11:58:15AM

Client: ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn:

Ted Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210

Project Nbr:

7-0210

P/O Nbr: Date Received: 4508106660 02/06/07

SAMPLE IDENTIFICATION

LAB NUMBER

COLLECTION DATE AND TIME

MW5 MW6 MW7 NQB0495-01 02/02/07 07:40 NQB0495-02 02/02/07 08:55 NQB0495-03 02/02/07 08:15

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. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

California Certification Number: 01168CA

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report

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

Estimated uncertainity is available upon request

Luc

This report has been electronically signed

Report Approved By:

Jim Hatfield

Project Management



ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Road Nashville. TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210 7-0210

Project Number: Received:

02/06/07 07:40

#### ANALYTICAL REPORT

Ethylhenzene	Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Benzene	Sample ID: NQB0495-01 (MW5 - C	Ground Water	r) Sampled	: 02/02/07 07:40					
Ethylbenzene ND ug/L 0.50   1 02/07/07 20:11 SW846 80218 7021205 Toluene ND ug/L 0.50   1 02/07/07 20:11 SW846 80218 7021205 SW19enes, total ND ug/L 0.50   1 02/07/07 20:11 SW846 80218 7021205 SW19enes, total ND ug/L 0.50   1 02/07/07 20:11 SW846 80218 7021205 SW19enes, total Park SW19enes, total ND ug/L 0.50   1 02/08/07 20:11 SW846 80218 7021205 SW19enes, total ND ug/L 0.50   1 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane 4/82-14789) 76 % 0.50   1 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane 4/82-14789) 76 % 0.50   1 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane 4/82-14789) 89 % 0.50   0 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane (78-123%) 99 % 0.50   0 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane (78-123%) 89 % 0.50   0 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane (78-123%) 89 % 0.50   0 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane (78-123%) 89 % 0.50   0 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane (63-134%) 110 % 0.50   0 02/08/07 06:22 SW846 82608 702095 SW17 -12-Dichloroschiane (63-134%) 110 % 0.50   0 02/07/07 20:11 SW846 80158 702095 SW17 -12-Dichloroschiane (63-134%) 110 % 0.50   0 02/07/07 20:11 SW846 80158 702095 SW1846 SW18 SW1848 SW1848 SW18 SW1848 SW1848 SW18 SW1848 S	Volatile Organic Compounds by EPA M	Method 8021B							
Tolune	Benzene	ND		ug/L	0 50	1	02/07/07 20:11	SW846 8021B	7021205
Sylenes, total   ND	Ethylbenzene	ND		ug/L	0 50	1	02/07/07 20:11	SW846 8021B	7021205
Sur a a a - Triffuoronlume (57-145%)   110 %   100 %   100 02008/07 06.20   100 02008/07 02.20   100 02008/07 02	Toluene	ND		ug/L	0 50	1	02/07/07 20:11	SW846 8021B	7021205
Methyl terl- Buyl Ether   ND   Ng/L   0 500   1   02/08/07 06 22   SW846 8260   7020959   5000   1   02/08/07 20:1   5000	Xylenes, total	ND		ug/L	0 50	1	02/07/07 20:11	SW846 8021B	7021205
Methyl terl- Butyl Ether	Surr. a.a.a-Trifluorotoluene (57-145%)	110 %					02/07/07 20:11	SW846 8021B	7021205
Start   1.2-Dichloroethane-d4 (62-142%)   76 %   2008907 062   2008907	Selected Volatile Organic Compounds	by EPA Method	8260B						
Sur Dibromofluoromethane (78-123%)         96 %         0,208,07 6 22         524,64 82608         7020959           Sur Toleme-48 (79-120%)         99 %         200,007 6 22         524,64 82608         7020959           Fur Jehonofluorobeteme (75-133%)         89 %         200,007 6 22         524,64 82608         7020959           Purgeable Petroleum Hydrocarbons           GRO as Gasoline         ND         ug/L         50 0         1         02/07/07 20:11         504,64 8108         702105           Extractable Petroleum Hydrocarbons with Silica G I treatment         Discess         ND         ug/L         47 2         1         02/07/07 13:08         504,68 8158         702105           Surr a - Terphenyl (33-147%)         74 %         ug/L         47 2         1         02/07/07 13:08         504,68 8158         702011           Surple ID: NQB495-02 (MW6- Ground Water) Sample: V2/22/07 08:55         SW46 80158         702011           Surple ID: NQB495-02 (MW6- Ground Water) Sample: V2/22/07 08:55           Enzene         ND         ug/L         0.50         1         02/07/07 20:38         504,68 8108         702105           Enzene         ND         ug/L         0.50         1         02/07/07 20:38         504,68 8208<	Methyl tert-Butyl Ether	ND		ug/L	0 500	]	02/08/07 06:22	SW846 8260B	7020959
Surr         Tolume 18 (79-120%)         99 %         02088/70 62 2         SW4 6 82608         7020959           Surr         4 Bromofluorobenzene (75-133%)         89 %         02088/70 62 2         SW4 6 82608         7020959           Purg-sable Petroleum Hydrocarbons           Stur         a.a. a-Trifluorotoluene (63-134%)         110 %         ugl.         50 0         1         02070/70 20-11         SW46 80158         702105           Extractable Petroleum Hydrocarbons with Silica Gel I reatment         ND         ugl.         47 2         1         02070/70 13.08         SW46 80158         702091           Sample IB: NQB 495-02 (MW6 - Ground Water) Sampled: 02/02/07 08:55         02/02/07 08:55         SW46 80158         702091           Volatile Organic Compounds by EPA Method         802         ugl.         0 50         1         02/07/07 13.08         SW46 80158         702105           Elnyl Denzene         ND         ugl.         0 50         1         02/07/07 13.08         SW46 80158         702105           Elnyl Denzene         ND         ugl.         0 50         1         02/07/07 20:38         SW46 8018         702105           Elnyl Denzene         ND         ugl.         0 50         1         02/07/07 20:38 <td>Surr 1.2-Dichloroethane-d4 (62-142%)</td> <td>76 %</td> <td></td> <td>·</td> <td></td> <td></td> <td>02/08/07 06:22</td> <td>SW846 8260B</td> <td>7020959</td>	Surr 1.2-Dichloroethane-d4 (62-142%)	76 %		·			02/08/07 06:22	SW846 8260B	7020959
Purgeable Petroleum Hydrocarbons	Surr Dibromofluoromethane (78-123%)	96 %					02/08/07 06 22	SIV846 8260B	7020959
Purgeable Petroleum Hydrocarbons									
GRO as Gasoline ND ug/L 50 0 1 02/07/07 20:11 8W846 8015B 7021205 Sur a.a.a-Trifluorotoluene (63-134%) 110 % 20/07/07 20:11 5W846 8015B 7021205 Extractable Petroleum Hydrocarbons with Silica Gel Treatment  Diesel ND ug/L 472 1 02/07/07 13:08 5W846 8015B 7021915 Surr o-Terphenyl (33-147%) 74 % 20/07/07 13:08 5W846 8015B 7020911 Surr o-Terphenyl (33-147%) 74 % 20/07/07 13:08 5W846 8015B 7020911 Sample ID: NQB0495-02 (MW6 - Ground Water) Sampled: 02/02/07 08:55 Volatile Organic Compounds by EPA Method 8021B Benzene ND ug/L 0 50 1 02/07/07 20:38 5W846 8021B 7021205 Ethylbenzene ND ug/L 0 50 1 02/07/07 20:38 5W846 8021B 7021205 Toluene ND ug/L 0 50 1 02/07/07 20:38 5W846 8021B 7021205 Surr a.a.a-Trifluorotoluene (57-145%) 113 % 2 02/07/07 20:38 5W846 8021B 7021205 Surr a.a.a-Trifluorotoluene (57-145%) 113 % 2 02/07/07 20:38 5W846 8021B 7021205 Surr 1.a-Dichloroethane-44 (62-142%) 76 % 2 02/07/07 20:38 5W846 8021B 7021205 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 8021B 7021205 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 8021B 7021205 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 8021B 7021205 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 8021B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 8021B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 8021B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloroethane-44 (62-142%) 90 % 2 02/07/07 20:38 5W846 802B 7020959 Surr 1.3-Dichloro	Surr 4-Bromofluorobenzene (75-133%)	89 %					02/08/07 06 22	SW846 8260B	7020959
Extractable Petroleum Hydrocarbons with Silica Gel Treatment   Diese	Purgeable Petroleum Hydrocarbons								
Extractable Petroleum Hydrocarbons with Silica Gel Treatment  Diesel ND ug/L 472 1 02/07/07 13 08 SW846 80158 7020911  Surr o-Terphenyl (33-147%) 74 %	GRO as Gasoline	ND		ug/L	50 0	1	02/07/07 20:11	SW846 8015B	7021205
Diesel   ND	Surr a.a.a-Trifluorotoluene (63-134%)	110 %					02/07/07 20:11	SW846 8015B	7021205
Sample ID: NQB0495-02 (MW6 - Ground Water) Sampled: 02/02/07 08:55   Volatile Organic Compounds by EPA Method 8021B   Benzene   ND   ug/L   0 50   1   02/07/07 20:38   SW846 8021B   7021205   String a a.a-Triffuorotoluene (57-145%)   113 %   Ug/L   0 50   1   02/07/07 20:38   SW846 8021B   7021205   Surra a.a-Triffuorotoluene (57-145%)   113 %   Ug/L   0 50   1   02/07/07 20:38   SW846 8021B   7021205   Surra a.a-Triffuorotoluene (57-145%)   113 %   Ug/L   0 50   1   02/07/07 20:38   SW846 8021B   7021205   Surra a.a-Triffuorotoluene (57-145%)   113 %   Ug/L   0 50   1   02/07/07 20:38   SW846 8021B   7021205   Surra a.a-Triffuorotoluene (57-145%)   113 %   Ug/L   0 50   1   02/07/07 20:38   SW846 8021B   7021205   Surra a.a-Triffuorotoluene (57-145%)   113 %   Ug/L   0 500   1   02/08/07 06:50   SW846 8021B   7021205   Surra a.a-Triffuorotoluene (57-145%)   76 %   Ug/L   0 500   1   02/08/07 06:50   SW846 8260B   7020959   Surra a.a-Triffuorotoluene (78-123%)   95 %   Ug/L   0 500   1   02/08/07 06:50   SW846 8260B   7020959   Surra a.a-Triffuorotoluene (78-123%)   95 %   Ug/L   0 500   1   02/08/07 06:50   SW846 8260B   7020959   Surra a.a-Triffuorotoluene (78-123%)   90 %   Ug/L   50 0   1   02/07/07 20:38   SW846 8260B   7020959   Surra a.a-Triffuorotoluene (78-123%)   90 %   Ug/L   50 0   1   02/07/07 20:38   SW846 8260B   7020959   Surra a.a-Triffuorotoluene (63-134%)   113 %   Ug/L   50 0   1   02/07/07 20:38   SW846 8015B   7021205   Surra a.a-Triffuorotoluene (63-134%)   113 %   Ug/L   50 0   1   02/07/07 20:38   SW846 8015B   7021205   Surra a.a-Triffuorotoluene (63-134%)   113 %   Ug/L   47 2   1   02/07/07 13:26   SW846 8015B   7020959   Surra a.a-Triffuorotoluene (63-134%)   113 %   Ug/L   47 2   1   02/07/07 13:26   SW846 8015B   7020959   SW846 8015B   702095	Extractable Petroleum Hydrocarbons w	rith Silica Gel Tr	reatment						
Sample ID: NQB0495-02 (MW6 - Ground Water) Sampled: 02/02/07 08:55   Volatile Organic Compounds by EPA Method 8021B   Benzene   ND   ug/L   0.50   1   02/07/07 20:38   SW846 8021B   7021205   Strain a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.	Diesel	ND		ug/L	472	1	02/07/07 13:08	SW846 8015B	7020911
Volatile Organic Compounds by EPA Method 8021B   Benzene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205   Ethylbenzene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205   Toluene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205   Toluene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205	Surr o-Terphenyl (33-147%)	74 %					02/07/07 13 08	SW846 8015B	7020911
Volatile Organic Compounds by EPA Method 8021B   Benzene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205   Ethylbenzene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205   Toluene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205   Toluene   ND   ug/L   0.50   1 02/07/07 20:38   SW846 8021B   7021205	Sample ID: NOB0495-02 (MW6 - 0	Ground Water	r) Sampled	: 02/02/07 08:55					
Benzene   ND   ug/L   0.50   1   0.2/07/07 20:38   SW846 8021B   7021205   2015   20	•		, , , , , , , , , , , , , , , , , , , ,						
Ethylbenzene   ND   ug/L   0 50   1 02/07/07 20:38 SW846 8021B 7021205     Toluene   ND   ug/L   0 50   1 02/07/07 20:38 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/07/07 20:38 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/07/07 20:38 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/07/07 20:38 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/07/07 20:38 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/07/07 20:38 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/08/07 06:50 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/08/07 06:50 SW846 8021B 7021205     Xylenes. total   ND   ug/L   0 50   1 02/08/07 06:50 SW846 8021B 7021205     Xylenes. total   ND   ug/L   50 0   1 02/08/07 06:50 SW846 8021B 7021205     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 702091     Xylenes. total   ND   ug/L   47 2   1 02/07/07 13:26 SW846 8015B 7				ug/L	0.50	1	02/07/07 20:38	SW846 8021B	7021205
Toluene				-		1			
Xylenes, total         ND         ug/L         0 50         1         02/07/07 20:38         SW846 8021B         7021205           Surr a.a.a-Trifluorotoluene (57-145%)         113 %         0 50         1         02/07/07 20:38         SW846 8021B         7021205           Selected Volatile Organic Compounds by EPA Method 8260B           Methyl tert-Butyl Ether         1.32         ug/L         0 500         1         02/08/07 06:50         SW846 8260B         7020959           Surr: 1.2-Dichloroethane-d4 (62-142%)         76 %         02/08/07 06:50         SW846 8260B         7020959           Surr: Dibromofluoromethane (78-123%)         95 %         02/08/07 06:50         SW846 8260B         7020959           Surr: A-Bromofluorobenzene (75-133%)         90 %         02/08/07 06:50         SW846 8260B         7020959           Purgeable Petroleum Hydrocarbons           GRO as Gasoline         ND         ug/L         50 0         1         02/07/07 20:38         SW846 8015B         7021205           Extractable Petroleum Hydrocarbons with Silica Gel Treatment         ND         ug/L         47 2         1         02/07/07 13:26         SW846 8015B         7020911	•	ND		-	0 50	1	02/07/07 20:38	SW846 8021B	7021205
Selected Volatile Organic Compounds by EPA Method 8260B         Methyl tert-Butyl Ether       1.32       ug/L       0 500       1       02/08/07 06:50       SW846 8260B       7020959         Surr 1.2-Dichloroethane-d4 (62-142%)       76 %       02/08/07 06:50       SW846 8260B       7020959         Surr Dibromofluoromethane (78-123%)       95 %       02/08/07 06:50       SW846 8260B       7020959         Surr A-Bromofluorobenzene (75-133%)       90 %       02/08/07 06:50       SW846 8260B       7020959         Purgeable Petroleum Hydrocarbons       ND       ug/L       50 0       1       02/07/07 20:38       SW846 8015B       7021205         Surr a.a.a-Trifluorotohuene (63-134%)       113 %       02/07/07 20:38       SW846 8015B       7021205         Extractable Petroleum Hydrocarbons with Silica Gel Treatment       ND       ug/L       47 2       1       02/07/07 13:26       SW846 8015B       7020911	Xylenes, total	ND		-	0 50	1	02/07/07 20:38	SW846 8021B	7021205
Methyl tert-Butyl Ether         1.32         ug/L         0 500         1         02/08/07 06:50         SW846 8260B         7020959           Surr: 1.2-Dichloroethane-d4 (62-142%)         76 %         02/08/07 06:50         SW846 8260B         7020959           Surr: Dibromofluoromethane (78-123%)         95 %         02/08/07 06:50         SW846 8260B         7020959           Surr: Toluene-d8 (79-120%)         100 %         02/08/07 06:50         SW846 8260B         7020959           Surr: 4-Bromofluorobenzene (75-133%)         90 %         02/08/07 06:50         SW846 8260B         7020959           Purgeable Petroleum Hydrocarbons         ND         ug/L         50 0         1         02/07/07 20:38         SW846 8015B         7021205           Surr: a.a.a-Trifluorotoluene (63-134%)         113 %         02/07/07 20:38         SW846 8015B         7021205           Extractable Petroleum Hydrocarbons with Silica Gel Treatment         ND         ug/L         47 2         1         02/07/07 13:26         SW846 8015B         7020911	Surr a.a.a-Trifluorotoluene (57-145%)	113 %		•			02/07/07 20 38	SW846 8021B	7021205
Methyl tert-Butyl Ether         1.32         ug/L         0 500         1         02/08/07 06:50         SW846 8260B         7020959           Surr: 1.2-Dichloroethane-d4 (62-142%)         76 %         02/08/07 06:50         SW846 8260B         7020959           Surr: Dibromofluoromethane (78-123%)         95 %         02/08/07 06:50         SW846 8260B         7020959           Surr: Toluene-d8 (79-120%)         100 %         02/08/07 06:50         SW846 8260B         7020959           Surr: 4-Bromofluorobenzene (75-133%)         90 %         02/08/07 06:50         SW846 8260B         7020959           Purgeable Petroleum Hydrocarbons         ND         ug/L         50 0         1         02/07/07 20:38         SW846 8015B         7021205           Surr: a.a.a-Trifluorotoluene (63-134%)         113 %         02/07/07 20:38         SW846 8015B         7021205           Extractable Petroleum Hydrocarbons with Silica Gel Treatment         ND         ug/L         47 2         1         02/07/07 13:26         SW846 8015B         7020911	Selected Volatile Organic Compounds	by EPA Method	8260B						
Surr: 1.2-Dichloroethane-d4 (62-142%)         76 %         02/08/07 06 50         SW846 8260B         7020959           Surr: Dibromofluoromethane (78-123%)         95 %         02/08/07 06 50         SW846 8260B         7020959           Surr: Toluene-d8 (79-120%)         100 %         02/08/07 06 50         SW846 8260B         7020959           Surr: 4-Bromofluorobenzene (75-133%)         90 %         02/08/07 06 50         SW846 8260B         7020959           Purgeable Petroleum Hydrocarbons         ND         ug/L         50 0         1         02/07/07 20:38         SW846 8015B         7021205           Surr: a.a.a-Trifluorotoluene (63-134%)         113 %         02/07/07 20 38         SW846 8015B         7021205           Extractable Petroleum Hydrocarbons with Silica Gel Treatment         Ug/L         47 2         1         02/07/07 13:26         SW846 8015B         7020911	•	•		ug/L	0 500	1	02/08/07 06:50	SW846 8260B	7020959
Surr Dibromofluoromethane (78-123%)         95 %         02/08/07 06 50         SW846 8260B         7020959           Surr. Toluene-d8 (79-120%)         100 %         02/08/07 06 50         SW846 8260B         7020959           Surr. 4-Bromofluorobenzene (75-133%)         90 %         02/08/07 06 50         SW846 8260B         7020959           Purgeable Petroleum Hydrocarbons         WD         ug/L         50 0         1         02/07/07 20:38         SW846 8015B         7021205           Surr. a.a.a-Trifluorotoluene (63-134%)         113 %         02/07/07 20 38         SW846 8015B         7021205           Extractable Petroleum Hydrocarbons with Silica Gel Treatment         Ug/L         47 2         1         02/07/07 13:26         SW846 8015B         7020911	• •			5					
Surr: Toluene-d8 (79-120%)       100 %       02/08/07 06 50       SW846 8260B       7020959         Surr: 4-Bromofluorobenzene (75-133%)       90 %       02/08/07 06 50       SW846 8260B       7020959         Purgeable Petroleum Hydrocarbons         GRO as Gasoline       ND       ug/L       50 0       1       02/07/07 20:38       SW846 8015B       7021205         Surr: a.a.a-Trifluorotoluene (63-134%)       113 %       02/07/07 20 38       SW846 8015B       7021205         Extractable Petroleum Hydrocarbons with Silica Gel Treatment         Diesel       ND       ug/L       47 2       1       02/07/07 13:26       SW846 8015B       7020911	• • • •								
Purgeable Petroleum Hydrocarbons         GRO as Gasoline       ND       ug/L       50 0       1       02/07/07 20:38       SW846 8015B       7021205         Surr. a.a.a-Trifluorotoluene (63-134%)       113 %       02/07/07 20 38       SW846 8015B       7021205         Extractable Petroleum Hydrocarbons with Silica Gel Treatment         Diesel       ND       ug/L       47 2       1       02/07/07 13:26       SW846 8015B       7020911	Surr: Toluene-d8 (79-120%)	100 %						SW846 8260B	7020959
GRO as Gasoline ND ug/L 50 0 1 02/07/07 20:38 SW846 8015B 7021205 Surr. a.a.a-Trifluorotoluene (63-13-4%) 113 % 50 0 1 02/07/07 20:38 SW846 8015B 7021205  Extractable Petroleum Hydrocarbons with Silica Gel Treatment Diesel ND ug/L 47 2 1 02/07/07 13:26 SW846 8015B 7020911	Surr: 4-Bromofluorobenzene (75-133%)	90 %					02/08/07 06 50	SW846 8260B	7020959
Surr: a.a.a-Trifluorotoluene (63-134%)         113 %         02/07/07 20 38         SW846 8015B         7021205           Extractable Petroleum Hydrocarbons with Silica Gel Treatment         ND         ug/L         47 2         1         02/07/07 13:26         SW846 8015B         7020911	Purgeable Petroleum Hydrocarbons								
Extractable Petroleum Hydrocarbons with Silica Gel Treatment  Diesel ND ug/L 47 2 1 02/07/07 13:26 SW846 8015B 7020911	GRO as Gasoline	ND		ug/L	50 0	1	02/07/07 20:38	SW846 8015B	7021205
Diesel ND ug/L 47.2 1 02/07/07.13:26 SW846.8015B 7020911	Surr: a.a.a-Trifluorotoluene (63-134%)	113 %					02/07/07 20 38	SW846 8015B	7021205
Diesel ND ug/L 47.2 1 02/07/07.13:26 SW846.8015B 7020911	Extractable Petroleum Hydrocarbons w	rith Silica Gel Ti	reatment						
	Diesel			ug/L	47 2	1	02/07/07 13:26	SW846 8015B	7020911
	Surr: o-Terphenyl (33-147%)			<u> </u>			0.2/07/07 13 26	SW846 8015B	7020911



Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210 7-0210

Project Number: Received:

02/06/07 07:40

#### ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQB0495-03 (MW7 - 0	Ground Water	) Sampled:	02/02/07 08:15					
Volatile Organic Compounds by EPA I	Method 8021B							
Benzene	ND		ug/L	0 50	1	02/07/07 21:04	SW846 8021B	7021205
Ethylbenzene	ND		ug/L	0 50	1	02/07/07 21:04	SW846 8021B	7021205
Toluene	ND		ug/L	0 50	1	02/07/07 21:04	SW846 8021B	7021205
Xylenes, total	ND		ug/L	0 50	1	02/07/07 21:04	SW846 8021B	7021205
Surr: a.a.a-Trifluorotoluene (57-145%)	112 %					02/07/07 21 04	SW846 8021B	7021205
Selected Volatile Organic Compounds	by EPA Method	8260B						
Methyl tert-Butyl Ether	ND		ug/L	0 500	1	02/08/07 07:19	SW846 8260B	7020959
Surr: 1.2-Dichloroethane-d4 (62-142%)	78 %					02/08/07 07 19	SW846 8260B	7020959
Surr: Dibromofluoromethane (78-123%)	99 %					02/08/07 07:19	SIV846 8260B	70.20959
Surr: Toluene-d8 (79-120%)	101 %					02/08/07 07 19	SW846 8260B	7020959
Surr: 4-Bromofluorobenzene (75-133%)	89 %					02/08/07 07 19	SW846 8260B	7020959
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50 0	***************************************	02/07/07 21:04	SW846 8015B	7021205
Surr a.a.a-Trifluorotoluene (63-134%)	112 %					02/07/07 21 04	SW846 8015B	7021.205
Extractable Petroleum Hydrocarbons w	ith Silica Gel Tr	eatment						
Diesel	ND		ug/L	47.2	i	02/07/07 13:44	SW846 8015B	7020911
Surr. o-Terphenyl (33-147%)	73 %		<del>-</del>			02/07/07 13:44	SW846 8015B	7020911



Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

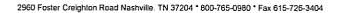
Project Name:

Exxon 7-0210

Project Number: Received: 7-0210 02/06/07 07:40

#### SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarb	ons with Silica Gel Tre	atment					
SW846 8015B	7020911	NQB0495-01	1060 00	1 00	02/06/07 15:39	LRW	EPA 3510C
SW846 8015B	7020911	NQB0495-02	1060 00	1 00	02/06/07 15:39	LRW	EPA 3510C
SW846 8015B	7020911	NQB0495-03	1060 00	1 00	02/06/07 15:39	LRW	EPA 3510C





Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

Project Name: Project Number: Exxon 7-0210 7-0210

Received:

02/06/07 07:40

#### PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q C Batch	Lab Number	Analyzed Date/Fime	
Volatile Organic Compounds by	EPA Method 8021B						
7021205-BLK1							
Benzene	<0 37		ug/L	7021205	7021205-BLK1	02/07/07 19:35	
Ethylbenzene	< 0.21		ng/L	7021205	7021205-BLK1	02/07/07 19:35	
Toluene	< 0.41		ng/L	7021205	7021205-BLK1	02/07/07 19:35	
Xylenes, total	< 0.44		ug/L	7021205	7021205-BLK1	02/07/07 19:35	
Surrogate: a.a.a-Trifluorotoluene	115%			7021205	7021205-BLK1	02/07/07 19:35	
7021205-BLK2							
Benzene	<0 37		ug/L	7021205	7021205-BLK2	02/08/07 01:03	
Ethylbenzene	<0.21		ug/L	7021205	7021205-BLK2	02/08/07 01:03	
Toluene	<0.41		ug/L	7021205	7021205-BLK2	02/08/07 01:03	
Xylenes, total	<0.44		ug/L	7021205	7021205-BLK2	02/08/07 01:03	
Surrogate: a.a.a-Trifluorotoluene	116%			7021205	7021205-BLK2	02/08/07 01:03	
Selected Volatile Organic Compo	ounds by EPA Method	8260B					
7020959-BLK1							
Methyl tert-Butyl Ether	< 0 190		ոճ/Ր	7020959	7020959-BLK1	02/08/07 00:10	
Surrogate 1.2-Dichloraethane-d4	77%			7020959	7020959-BLK1	02/08/07 00:10	
Surrogate Dibromofluoromethane	94%			7020959	7020959-BLK1	02/08/07 00:10	
Surrogate Toluene-d8	101%			7020959	7020959-BLK1	02/08/07 00:10	
Surrogate 4-Bromofluorobenzene	90%			7020959	7020959-BLK1	02/08/07 00:10	
Purgeable Petroleum Hydrocarbe	опѕ						
7021205-BLK1							
GRO as Gasoline	<33 0		ug/L	7021205	7021205-BLK1	02/07/07 19:35	
Surrogate a.a.a-Trifluorotoluene	115%			7021205	7021205-BLK1	02/07/07 19:35	
7021205-BLK2							
GRO as Gasoline	<33 0		ug/L	7021205	7021205-BLK2	02/08/07 01:03	
Surrogate a.a.a-Trifluorotoluene	116%			7021205	7021205-BLK2	02/08/07 01:03	
Extractable Petroleum Hydrocar	bons with Silica Gel T	reatment					
7020911-BLK1							
Diesel	<37 0		ug/L	7020911	7020911-BLK1	02/07/07 12:32	
Surrogate o-Terphenyl	64%			7020911	7020911-BLK1	02/07/07 12:32	



Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn I ed Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210 7-0210

Project Number: Received:

02/06/07 07:40

#### PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val	Analyzed Vol	Q	Units	% Rec	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by El	PA Method 8021B					***		
7021205-BS1								
Benzene	100	86 1		ug/L	86%	72 - 132	7021205	02/08/07 05:55
Ethylbenzene	100	87 0		ug/L	87%	75 - 119	7021205	02/08/07 05:55
Toluene	100	83 7		ug/L	84%	71 - 121	7021205	02/08/07 05:55
Xylenes, total	300	254		ug/L	85%	73 - 122	7021205	02/08/07 05:55
Surrogate: a.a.a-Trifluorotoluene	30 0	34 8			116%	57 - 145	7021205	02/08/07 05:55
Selected Volatile Organic Compour	nds by EPA Method 82	60B						
7020959-BS1	•							
Methyl tert-Butyl Ether	50 0	43 6		ug/L	87%	66 - 129	7020959	02/07/07 23:13
Surrogate 1.2-Dichloroethane-d4	50 0	38 1			76%	62 - 142	7020959	02/07/07 23:13
Surrogate Dibromofluoromethane	50 0	46 8			94%	78 - 123	7020959	02/07/07 23:13
Surrogate. Toluene-d8	50 0	510			102%	79 - 120	7020959	02/07/07 23:13
Surrogate: 4-Bromofluorobenzene	50 0	44 7			89%	75 - 133	7020959	02/07/07 23:13
Purgeable Petroleum Hydrocarbon	ıs							
7021205-BS2								
GRO as Gasoline	1000	995		ug/L	100%	64 - 130	7021205	02/08/07 06:22
Surrogate a.a.a-Trifluorotoluene	30 0	36 5			122%	63 - 134	7021205	02/08/07 06:22
Extractable Petroleum Hydrocarbo	ons with Silica Gel Tre:	itment						
7020911-BS1								
Diesel	1000	1070		ug/L	107%	38 - 123	7020911	02/07/07 12:50
Surrogate o-Terphenyl	20 0	19 0			95%	33 - 147	7020911	02/07/07 12:50



Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210 7-0210

Project Number: Received:

02/06/07 07:40

#### PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig Val	MS Val	Q	Units	Spike Conc	% Rec	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by I	EPA Method 802	1B								
7021205-MS1										
Benzene	ND	45 9		ug/L	50 0	92%	72 - 133	7021205	NQB0495-01	02/08/07 12:07
Ethylbenzene	ND	519		ug/L	50 0	104%	75 - 137	7021205	NQB0495-01	02/08/07 12:07
Toluene	0 0800	48 5		ug/L	50 0	97%	71 - 127	7021205	NQB0495-01	02/08/07 12:07
Xylenes, total	0 0440	104		ug/L	100	104%	73 - 140	7021205	NQB0495-01	02/08/07 12:07
Surrogate: a-a.a-Trifluorotoluene		35 0		ug/L	30 0	117%	57 - 145	7021205	NQB0495-01	02/08/07 12:07
Selected Volatile Organic Compo	unds by EPA Me	thod 8260B								
7020959-MS1										
Methyl tert-Butyl Ether	ND	44.7		ug/L	50 0	89%	54 - 143	7020959	NQB0495-01	02/08/07 09:42
Surrogate: 1.2-Dichloroethane-d4		39 1		ug/kg	50 0	78%	62 - 142	7020959	NQB0495-01	02/08/07 09:42
Surragate: Dibromofluoromethane		49 7		ug/kg	50 0	99%	78 - 123	7020959	NQB0495-01	02/08/07 09:42
Surrogate Toluene-d8		51 1		ug/kg	50 0	102%	79 - 120	7020959	NQB0495-01	02/08/07 09:42
Surrogate 4-Bromofluorohenzene		44 6		ug/kg	50 0	89%	75 - 133	7020959	NQB0495-01	02/08/07 09:42



Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210 7-0210

Project Number: Received:

02/06/07 07:40

# PROJECT QUALITY CONTROL DATA Matrix Spike Dup

Analyte	Orig Val	Duplicate	Q	Units	Spike Conc	% Rec	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by	EPA Method 8	3021B										
7021205-MSD1												
Benzene	ND	45 9		ug/L	50.0	92%	72 - 133	0	11	7021205	NQB0495-01	02/08/07 12:31
Ethylbenzene	ND	52 2		ug/L	50.0	104%	75 - 137	0.6	18	7021205	NQB0495-01	02/08/07 12:31
Toluene	0 0800	48 8		ug/L	50.0	97%	71 - 127	06	15	7021205	NQB0495-01	02/08/07 12:31
Xylenes, total	0 0440	104		ug/L	001	104%	73 - 140	0	14	7021205	NQB0495-01	02/08/07 12:31
Surrogate: a.a.a-Trifluorotoluene		34 8		ug/L	30.0	116%	57 - 145			7021205	NQB0495-01	02/08/07 12:31
Selected Volatile Organic Comp	ounds by EPA	Method 826	0В									
7020959-MSD1												
Methyl tert-Butyl Ether	ND	44 0		ug/L	50 0	88%	54 - 143	2	27	7020959	NQB0495-01	02/08/07 10:10
Surrogate, 1.2-Dichloroethane-d4		38 1		ug/kg	50.0	76%	62 - 142			7020959	NQB0495-01	02/08/07 10:10
Surrogate: Dibromofluoromethane		48.2		ug/kg	50.0	96%	78 - 123			7020959	NQB0495-01	02/08/07 10:10
Surrogate Toluene-d8		516		սg/kg	50.0	103%	79 - 120			7020959	NQB0495-01	02/08/07 10:10
Surrogate 4-Bromofluorobenzene		46 0		ug/kg	50.0	92%	75 - 133			7020959	NQB0495-01	02/08/07 10:10



Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210 7-0210

Project Number: Received:

02/06/07 07:40

#### **CERTIFICATION SUMMARY**

#### TestAmerica - Nashville, TN

Method	Matrix	Alha	Neiac	California	
NA	Water				
SW846 8015B	Water	N/A	X	X	
SW846 8021B	Water	N/A	X	X	
SW846 8260B	Water	N/A	X	X	



Client ETIC Engineering Pleasant Hill (10236)

2285 Morello Avenue Pleasant Hill, CA 94523

Attn Ted Moise

Work Order:

NQB0495

Project Name:

Exxon 7-0210

7-0210

Project Number: Received:

02/06/07 07:40

#### **NELAC CERTIFICATION SUMMARY**

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

Matrix

Analyte



#### Nashville Division COOLER RECEIPT FORM



NQB0495

Cooler Received/Opened On <u>February 6, 2007 @ 0740</u> 1 Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:	0432
Fedex UPS Velocity DHL Route Off-street M	lise.
2. Temperature of representative sample or temperature blank when opened: 2,3 Deg (indicate IR Gun ID#)	rees Celsius
NA A00466 A00750 A01124 100190 101282	Raynger ST
3 Were custody seals on outside of cooler?	VESNONA
a. If yes, how many and where:	
4 Were the seals intact, signed, and dated correctly? ( u b b c c) . of £	YES. (NO).NA
5. Were custody papers inside cooler?	YES NO NA
I certify that I opened the cooler and answered questions 1-5 (intial)	
6. Were custody seals on containers: YES (NO) and Intact	YES NO NA
were these signed, and dated correctly?	YESNONA
7. What kind of packing material used? Bubblewrap Peanuts Vermiculite	Foam Insert
Plastic bay Paper Other No.	one
8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice	Other None
9. Did all containers arrive in good condition ( unbroken)?	YES NO NA MWS
10 Were all container labels complete (#, date, signed, pres., etc)?	YESNO NA / Lite
11. Did all container labels and tags agree with custody papers?	YES. NO NA
12. a. Were VOA vials received?	YES. NO. NA
b. Was there any observable head space present in any VOA vial?	YES NO NA
I certify that I unloaded the cooler and answered questions 6-12 (intial)	<u></u>
13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH leve	el? YES NO MA
b. Did the bottle labels indicate that the correct preservatives were used	YER. NO NA
If preservation in-house was needed, record standard ID of preservative used here	and the banks of the control of the
14. Was residual chlorine present?	YESNO XX
I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (initial)	
15. Were custody papers properly filled out (ink, signed, etc)?	YES NO. NA
16. Did you sign the custody papers in the appropriate place?	XES NO NA
17. Were correct containers used for the analysis requested?	YES. NO NA
18. Was sufficient amount of sumple sent in each container?	YESNONA
I certify that I entered this project into LIMS and answered questions 15-18 (intial)	72
I certify that I attached a label with the unique LIMS number to each container (intial)	JR
19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES	NO #
BIS = Broken in shipment	

BC#

BIS = Broken in shipment Cooler Receipt Form

LF-1 End of Form Revised 3/9/06



Morgan Hill Division 885 Jarvis Drive

Phone: 408-776-9600 Fax: 408-782-6308 ExonMobil

est/merica	88 Me	5 Jarvis organ H	: Driv ill, C/	e 4 951	037				dX.	400	-, 0	_							. u.	102	36													-
Consultant Name: ET																Α Α	ACCC	unt	, #i Tar	102	MFE	R S	ED	LAC	HE	K (X	OM	TM)						-
Address: 22	85 MOR	ELLO A	VE.													- 10	וסער	ce 	10: To:	TEC	MC	NSE												_
City/State/Zip: Pl				4523												- 1	кер			450														_
ExxonMobil Territory Mgr: Ji	NNIFEF	R SEDLA	CHE	<												-						300.												******
ExxonMobil Territory Mgr. 3	ED MOIS	 SE			F	rojec	:t#:	UPC	210	1.1					, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	_ F	acll	ity I	D#	7-02 784	210			2 \//	Δ1 I I	FY	BLV	'D.						
Consultant Project Mgr: T	25 602 4	710 FX	. 23			Fax	No.:	925	-602	472	20					_Si	te A	ddr	ess	784	UAI	VIAL	^											
Consultant Telephone Number: 9	20-002-	77 10												······································																				
Sampler Name: (Print)													Re	gula	tor	уD	istr	ict (	CA										$\overline{T}$					
Sampler Signature: _						Т		Pre	ser	aliv	•			V	1atr	IX		L	_		Г	Ana	lyz	e F	or:	Т	Т	Т	+	S E	$\prod$			٦
NQB0495 02/20/07 23:59  Sample ID / Description MW5	c 7:	ce 59		Grab	Composite	Field Filtered	Sol X X	HNO3 (Neu Laber)		H <sub>2</sub> SO <sub>4</sub> Plastic (Yellow Label)	None (Black Label)	Other ( Specify)	X X X Groundwater		Drinking Water	Sludge	Soil	7	X X X TPH-G/BTEX BY BUTSHOLD	7 OXYS BY 8260B	>	< !	x	2	243	<u>54</u>	<u>q</u> \$	1 2 3		RUSH TAT (Pre-Sched	IAI request (iii bus, bas)		X X Fax Results	
Special Instructions:  CONFIRM ALL MTBE HITS BY 8280B  Relinquished by:	c.7-	Date  Date  Date	H 10	Time	Re	Ave	d by:	Test	Amı	erica		ED			2/	Dal	07 te	+	Tin. 14.0	1D ne	OC Lev Lev	Ter Sal VC De rel 2 rel 3 vel 4	mpe mpl iCs liver	erati e C Fre	ure ( onta e of es (r	Upo aine f He olea	on R rs li eads se c	ecei ntact pace ircle	e? one	(c)	dule	N N	estA	me
Relinquished by:		Daile 2-07		92	1		(			<u>&gt;</u>					2		57		140		Pro	ojec	t Ma	ana	ger (	or a	ttaci	n spe	cifc	ınst	ructio	ns		