

ExxonMobil Refining & Supply Company
Global Remediation - US Retail
4096 Piedmont Avenue #194
Oakland, CA 94611
510 547 8196
510 547.8706 FAX
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager

RECEIVED

1:46 pm, Jun 29, 2007

Alameda County
Environmental Health

ExxonMobil
Refining & Supply

June 28, 2007

Mr. Steven Plunkett
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Subject: Former Mobil Station 04-334, 2492 Castro Valley Boulevard, Castro Valley, California

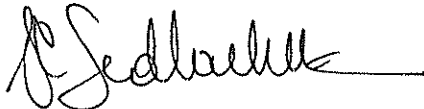
Dear Mr. Plunkett:

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

Attachment: ETIC Groundwater Monitoring Report dated June 2007

- c: w/ attachment:
Ms. Paula Floeck – Jiffy Lube International
Mr. Joseph D. Phillips – Jiffy Lube Remediation Coordinator
Mr. William Slautterback – Cal Lube Real Estate Limited Partnership
Mr. William Peterson – Owner of Castro Valley Lumber Company
- c: w/o attachment:
Mr. Bryan Campbell – ETIC Engineering, Inc.

SITE CONTACTS

Station Number: Former Mobil Station 04-334

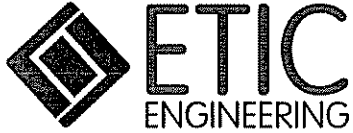
Station Address: 2492 Castro Valley Boulevard
Castro Valley, California

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: K. Erik Appel

Regulatory Oversight: Steven Plunkett
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502
(510) 567-6700



**Report of Groundwater Monitoring
Second Quarter 2007**

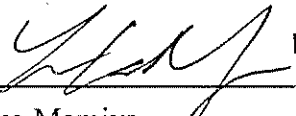
**Former Mobil Station 04-334
2492 Castro Valley Boulevard
Castro Valley, California**

Prepared for

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

Prepared by

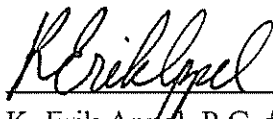
ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, California 94523
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Yuko Mamiya
Staff Geologist

6/27/2007

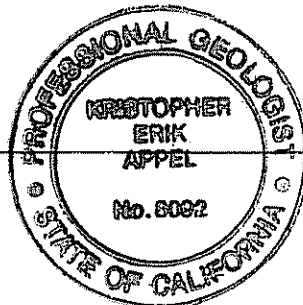
Date



K. Erik Appel, P.G. #8092
Senior Project Geologist

6/27/07

Date



June 2007

INTRODUCTION

At the request of ExxonMobil Oil Corporation, ETIC Engineering, Inc. has prepared this report of groundwater monitoring for former Mobil Station 04-334. 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 21 February 2007, the date of the last monitoring event, through 1 May 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 Mobil Station 04-334
Site address:	2492 Castro Valley Boulevard, Castro Valley, California
Current property owner:	Cal Lube Real Estate Limited Partnership I
Current site use:	Jiffy Lube Oil Change facility
Current phase of project:	Groundwater monitoring
Tanks at site:	Four former underground storage tanks removed 1983
Number of wells:	4 (3 onsite, 1 offsite)

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	1 May 2007
Wells gauged and sampled:	MW1-MW4
Wells gauged only:	None
Groundwater flow direction:	East
Groundwater gradient:	0.0017
Well screens submerged:	None
Well screens not submerged:	MW1-MW4
Liquid-phase hydrocarbons:	Not observed or detected
Laboratory:	TestAmerica, Inc., Nashville, Tennessee

Analyses performed:

- Total Petroleum Hydrocarbons as gasoline and 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 Subsurface Investigation Work Plan dated March 2007 was submitted to the Alameda County Health Care Services Agency.

WORK PROPOSED FOR NEXT QUARTER

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

Attachments:

Figure 1: Site Plan Showing Groundwater Elevations and Analytical Results

Table 1: Well Construction Details

Table 2: Groundwater Monitoring Data

Table 3: Groundwater Monitoring Plan

Appendix A: Field Protocols

Appendix B: Field Documents

Appendix C: Laboratory Analytical Reports

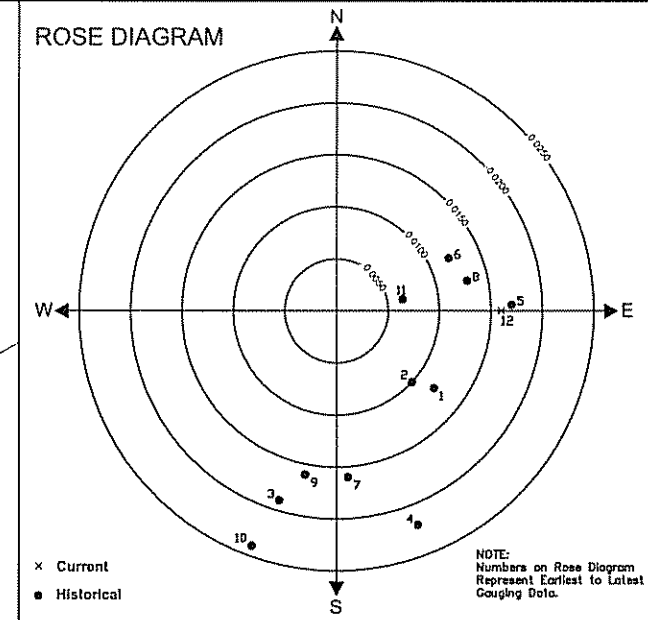
Figures

Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
TPH-g	<50.0
TPH-d	<46.9
MTBE (8260)	1.4

Benzene	32.5
Toluene	1.63
Ethylbenzene	28.7
Xylenes	1.53
TPH-g	539
TPH-d	120
MTBE (8260)	<0.50

Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
TPH-g	<50.0
TPH-d	<46.9
MTBE (8260)	<0.50

Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
TPH-g	<50.0
TPH-d	<46.9
MTBE (8260)	<0.50

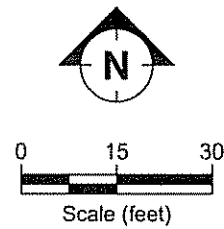


GW Groundwater Flow Direction
Gradient = 0.0017

LEGEND:

- ⊕ Groundwater Monitoring Well
- ⊕ Former Thrifty Oil Station Groundwater Monitoring Well
- Soil Boring
- (167.27) Groundwater Elevation (feet)
- TPH-g Total Petroleum Hydrocarbons as gasoline
- TPH-d Total Petroleum Hydrocarbons as diesel
- MTBE Methyl Tertiary Butyl Ether
- * Not Used for the Calculation of the Groundwater Flow Direction or Gradient

Note: Concentrations In Micrograms Per Liter (ug/L)



FILENAME: 202007.DWG 05/22/2007



SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA
1 MAY 2007

FIGURE:

1

Tables

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, 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 06/24/04	173.23	PVC	20	20	8.25	2	5 - 20	0.010	4.5 - 20	#2/12 Sand
MW2	a 06/25/04	173.63	PVC	20	20	8.25	2	5 - 20	0.010	4.5 - 20	#2/12 Sand
MW3	a 06/25/04	171.91	PVC	20	20	8.25	2	5 - 20	0.010	4.5 - 20	#2/12 Sand
MW4	a 06/24/04	170.48	PVC	15	14	8.25	2	4 - 14	0.010	3.5 - 15	#2/12 Sand

a Well surveyed on 12 July 2004 by Morrow Surveying.

PVC Polyvinyl chloride.

TOC Top of casing.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentration (µg/L)						
					Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	TPH-d	MTBE
MW1	a 08/13/04	173.23	7.32	165.91	<0.5	0.7	<0.5	1.0	<50	71	1.20 ^b
MW1	11/09/04	173.23	6.96	166.27	<0.5	0.9	<0.5	0.9	<50	63	1.50 ^b
MW1	02/16/05	173.23	6.10	167.13	<0.5	1.0	<0.5	1.5	<50	78	1.30 ^b
MW1	05/16/05	173.23	5.81	167.42	<0.5	<0.5	<0.5	<0.5	<50	<50	1.40 ^b
MW1	08/17/05	173.23	6.70	166.53	<0.5	<0.5	<0.5	<0.5	<50	<50	1.19 ^b
MW1	11/15/05	173.23	7.55	165.68	<0.5	<0.5	<0.5	<0.5	<50	<50	1.13 ^b
MW1	02/06/06	173.23	6.40	166.83	<0.5	<0.5	<0.5	<0.5	<50	160	<0.5 ^b
MW1	05/03/06	173.23	6.95	166.28	<1.00	<1.00	<1.00	<3.00	<50.0	78	<0.50 ^b
MW1	08/04/06	173.23	7.71	165.52	<0.50	<0.50	<0.50	<0.50	<50.0	167	<0.500 ^b
MW1	11/06/06	173.23	7.57	165.66	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	0.880 ^b
MW1	02/21/07	173.23	7.19	166.04	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	2.42 ^b
MW1	05/01/07	173.23	7.50	165.73	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	1.4^b
MW2	a 08/13/04	173.63	6.96	166.67	<0.5	0.8	<0.5	1.0	<50	57	<0.5 ^b
MW2	11/09/04	173.63	6.44	167.19	<0.5	1.1	<0.5	1.2	<50	<50	<0.5 ^b
MW2	02/16/05	173.63	5.21	168.42	<0.5	0.9	<0.5	1.4	<50	55	<0.5 ^b
MW2	05/16/05	173.63	5.86	167.77	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	08/17/05	173.63	5.72	167.91	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	11/15/05	173.63	7.65	165.98	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	02/06/06	173.63	6.24	167.39	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW2	05/03/06	173.63	6.53	167.10	<1.00	<1.00	<1.00	<3.00	<50.0	<50	<0.50 ^b
MW2	08/04/06	173.63	7.65	165.98	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500 ^b
MW2	11/06/06	173.63	6.98	166.65	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.500 ^b
MW2	02/21/07	173.63	6.36	167.27	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	1.70 ^b
MW2	05/01/07	173.63	7.51	166.12	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.50^b
MW3	a 08/13/04	171.91	5.36	166.55	100	2.0	187	59.6	1,440	352	<0.5 ^b
MW3	11/09/04	171.91	4.80	167.11	188	3.6	242	20.0	1,690	461	<0.5 ^b

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentration (µg/L)						
					Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	MTBE
MW3	02/16/05	171.91	3.10	168.81	66.2	1.4	61.1	12.6	575	269	<0.5 ^b
MW3	05/16/05	171.91	3.86	168.05	74.2	1.4	61.0	9.0	592	92	<0.5 ^b
MW3	08/17/05	171.91	4.75	167.16	231 ^c	2.35	102	11.4	1,130	416	<0.5 ^b
MW3	11/15/05	171.91	6.56	165.35	57.4	0.95	62.4	10.5	452	193	<0.5 ^b
MW3	02/06/06	171.91	4.00	167.91	69	<5.0	64	10	830	165	<0.5 ^b
MW3	05/03/06	171.91	5.44	166.47	52.1	<1.00	37.0	4.81	605	140	<0.50 ^b
MW3	08/04/06	171.91	5.25	166.66	15.2	<0.50	5.34	1.25	262	108	<0.500 ^b
MW3	11/06/06	171.91	4.11	167.80	60.0	1.04	47.3	3.09	561	106	<0.500 ^b
MW3	02/21/07	171.91	4.94	166.97	35.1	<0.50	45.4	1.09	483	125	<0.500 ^b
MW3	05/01/07	171.91	5.86	166.05	32.5	1.63	28.7	1.53	539	120	<0.50^b
MW4	a 08/13/04	170.48	6.10	164.38	<0.5	0.8	<0.5	1.1	<50	72	2.80 ^b
MW4	11/09/04	170.48	5.54	164.94	<0.5	2.3	0.7	1.5	<50	<50	2.10 ^b
MW4	02/16/05	170.48	5.11	165.37	<0.5	1.1	<0.5	1.7	<50	<50	<0.5 ^b
MW4	05/16/05	170.48	5.44	165.04	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5 ^b
MW4	08/17/05	170.48	5.71	164.77	<0.5	<0.5	<0.5	<0.5	<50	<50	1.03 ^b
MW4	11/15/05	170.48	5.80	164.68	<0.5	<0.5	<0.5	<0.5	<50	<50	0.730 ^b
MW4	02/06/06	170.48	5.10	165.38	<0.5	<0.5	<0.5	<0.5	<50	85.2	<0.5 ^b
MW4	05/03/06	170.48	5.54	164.94	<1.00	<1.00	<1.00	<3.00	<50.0	<47	<0.50 ^b
MW4	08/04/06	170.48	5.75	164.73	<0.50	<0.50	<0.50	<0.50	<50.0	52.7	<0.500 ^b
MW4	11/06/06	170.48	5.95	164.53	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500 ^b
MW4	02/21/07	170.48	5.56	164.92	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.500 ^b
MW4	05/01/07	170.48	5.66	164.82	<0.50	<0.50	<0.50	<0.50	<50.0	<46.9	<0.50^b

a Top-of-casing elevation surveyed by Morrow Surveying on 12 July 2004.

b Analyzed by EPA Method 8260.

c Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Concentration (µg/L)					
					Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	TPH-d

TPH-g Total Petroleum Hydrocarbons as gasoline.

TPH-d Total Petroleum Hydrocarbons as diesel.

MTBE Methyl tertiary butyl ether.

µg/L Micrograms per liter.

Note: Depth-to-water-level measurements in feet from top-of-casing.

TABLE 3 GROUNDWATER MONITORING PLAN,
 FORMER MOBIL STATION 04-334, 2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency	
		BTEX, TPH-g, and TPH-d	MTBE
MW1	Q	Q	Q
MW2	Q	Q	Q
MW3	Q	Q	Q
MW4	Q	Q	Q

Q = Quarterly

BTEX = Benzene, toluene, ethylbenzene, total xylenes.

MTBE = Methyl tertiary butyl ether.

TPH-g = Total Petroleum Hydrocarbons as gasoline.

TPH-d = Total Petroleum Hydrocarbons as diesel.

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

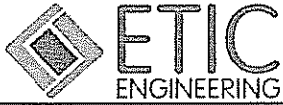
After the wells are gauged, each well is purged of approximately 3 well casing volumes of water to provide representative groundwater samples for analysis. Field parameters of pH, temperature, and electrical conductance are measured during purging to ensure that these parameters have stabilized before 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



MONITORING WELL DATA FORM

Client: **Former Exxon 04-334**

Date: 05-01-07

Project Number: **UP04334.1**

Station Number: **04-334**

Site Location:
2492 Castro Valley Blvd. Castro Valley, California

Samplers: **BINDER**

MONITORING WELL NUMBER	DEPTH TO WATER (TOC) FT.	DEPTH TO PRODUCT (TOC) FT.	APPARENT PRODUCT THICKNESS (FT.)	AMOUNT OF PRODUCT REMOVED (L)	MONITORING WELL INTEGRITY	DEPTH TO BOTTOM (TOC)	WELL CASING DIAMETER
MW1	7.50					19.71	2"
MW2	7.51					20.20	2"
MW3	5.86					19.97	2"
MW4	5.66					14.20	2"

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334	Well No: MW1	Date: 04-13-04
Project No: UP04-334.1	Personnel: B. Anderson	

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)	
		7.31	- 1.51	= 5.80	X	1	2	4	6	1.75
					0.04	0.16	0.64	1.44		

PURGING DATA						
Purge Method: WATERRA / BAILER / SUB				Purge Rate: GPM		
Time	04:00	04:12	04:15			
Volume Purge (gal)	300	1000	300			
Temperature (C)	10.2	18.4	18.0			
pH	7.01	7.09	7.23			
Spec. Cond. (umhos)	200	235	223			
Turbidity/Color	2000 / 2000	5000 / 1000	5000 / 6000			
Odor (Y/N)	NONE	NONE	NONE			
Casing Volumes	1	2	3			
Dewatered (Y/N)	NONE	NONE	NONE			

Comments/Observations:

SAMPLING DATA	
Time Sampled: 04:20	Approximate Depth to Water During Sampling: 3 (feet)
Comments:	

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW1	6	VOA	HCL	40ML	/	SEE COC
MW1	2	AMBER	HCL	1L	/	SEE COC
					/	
					/	

Total Purge Volume: 3 (gallons)	Disposal: SYSTEM
Weather Conditions: 30	BOLTS (Y) / N
Condition of Well Box and Casing at Time of Sampling: OK	CAP & LOCK (Y) / N
Well Head Conditions Requiring Correction: NONE	GROUT (Y) / N
Problems Encountered During Purging and Sampling: NONE	WELL BOX (Y) / N
Comments:	SECURED (Y) / N

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW2 Date: BINDER 05-01-07
 Project No: UP04-334.1 Personnel: BINDER

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)
	20.20	= 7.51	= 12.69	X 1.27	2.03	= 6.09
				0.04 0.16 0.64 1.44		

PURGING DATA
 Purge Method: WATERRA / BAILER / SUB Purge Rate: _____ GPM

Time	07:43	07:47	07:51			
Volume Purge (gal)	2.50	5.00	7.50			
Temperature (C)	15.7	17.9	18.3			
pH	7.30	7.20	7.18			
Spec. Cond. (umhos)	66.2	69.1	67.2			
Turbidity/Color	SLTY / GRAY	SLTY / GRAY	SLTY / GRAY			
Odor (Y/N)	NONE	NONE	NONE			
Casing Volumes	1	2	3			
Dewatered (Y/N)	NONE	NONE	NONE			

Comments/Observations:

SAMPLING DATA
 Time Sampled: 07:55 Approximate Depth to Water During Sampling: 3 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	6	VOA	HCL	40ML	/	SEE COC
MW2	2	AMBER	HCL	1L	/	SEE COC
					/	

Total Purge Volume: 7.5 (gallons) Disposal: SYSTEM

Weather Conditions: OK BOLTS (Y) / N

Condition of Well Box and Casing at Time of Sampling: OK CAP & LOCK (Y) / N

Well Head Conditions Requiring Correction: NONE GROUT (Y) / N

Problems Encountered During Purging and Sampling: NONE WELL BOX. (Y) / N

Comments: _____ SECURED (Y) / N



Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW3 Date: 05-01-09
 Project No: UP04-334.1 Personnel: B. J. DEE

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)							
	19.97	-	5.86	=	14.11	X	1	2	4	6	0.04	0.16	0.64	1.44	5.35	=

PURGING DATA

Purge Method: WATERRA / BAILER / SUB Purge Rate: GPM

Time	08:22	08:26	08:30			
Volume Purge (gal)	2.50	5.00	7.50			
Temperature (C)	18.2	18.4	18.4			
pH	7.32	7.17	7.07			
Spec. Cond. (umhos)	200	227	225			
Turbidity/Color	SIXTY E.P.M.	SIXTY E.P.M.	SIXTY E.P.M.			
Odor (Y/N)	NONE	NONE	NONE			
Casing Volumes	1	2	3			
Dewatered (Y/N)	NONE	NONE	NONE			

Comments/Observations:

SAMPLING DATA

Time Sampled: 08:35 Approximate Depth to Water During Sampling: 1 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW3	6	VOA	HCL	40ML	/	SEE COC
MW3	2	AMBER	HCL	1L	/	SEE COC
					/	
					/	

Total Purge Volume: 7.5 (gallons) Disposal: SYSTEM

Weather Conditions: OK BOLTS (Y) / N

Condition of Well Box and Casing at Time of Sampling: OK CAP & LOCK (Y) / N

Well Head Conditions Requiring Correction: NONE GROUT (Y) / N

Problems Encountered During Purging and Sampling: NONE WELL BOX. (Y) / N

Comments: SECURED (Y) / N

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW4 Date: 05-01-07
 Project No: UP04-334.1 Personnel: BINDER

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)
		141.20	- 5.66	= 8.54	X 1	2	4	6	1.36
				0.04	0.16	0.64	1.44		

PURGING DATA						
Purge Method: WATERRA / BAILER / SUB				Purge Rate: GPM		
Time	09:13	09:16	09:19			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	18.4	17.4	16.9			
pH	7.90	7.52	7.33			
Spec. Cond. (umhos)	659	740	764			
Turbidity/Color	SILT / GRAV	SILT / GRAV	SILT / GRAV			
Odor (Y/N)	NONE	NONE	NONE			
Casing Volumes	1	2	3			
Dewatered (Y/N)	NONE	NONE	NONE			

Comments/Observations:

SAMPLING DATA		
Time Sampled: 09:25	Approximate Depth to Water During Sampling: 1 (feet)	
Comments:		

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW4	6	VOA	HCL	40ML		SEE COC
MW4	2	AMBER	HCL	1L		SEE COC

Total Purge Volume: 45 (gallons) Disposal: SYSTEM

Weather Conditions: OK BOLTS / N

Condition of Well Box and Casing at Time of Sampling: OK CAP & LOCK / N

Well Head Conditions Requiring Correction: NONE GROUT / N

Problems Encountered During Purging and Sampling: NONE WELL BOX. / N

Comments: SECURED / N

Appendix C

Laboratory Analytical Reports

May 17, 2007

1:08:03PM

Client: ETIC Engineering Pleasant Hill (10236)
2285 Morello Avenue
Pleasant Hill, CA 94523
Attn: Erik Appel

Work Order: NQE0484
Project Name: Exxon 04-334
Project Nbr: 04-334
P/O Nbr: 4508105068
Date Received: 05/03/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW1	NQE0484-01	05/01/07 07:20
MW2	NQE0484-02	05/01/07 07:55
MW3	NQE0484-03	05/01/07 08:35
MW4	NQE0484-04	05/01/07 09:25

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.

SW846 8260B analysis performed at Lab ID: 1210, 01117CA
California Certification Number: 01168CA

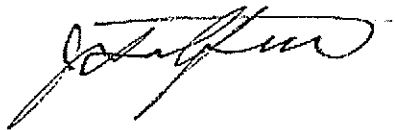
The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

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

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Jim Hatfield

Project Management

Client ETIC Engineering Pleasant Hill (10236)
 2285 Morello Avenue
 Pleasant Hill, CA 94523
 Attn Erik Appel

Work Order: NQE0484
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 05/03/07 07:55

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE0484-01 (MW1 - Ground Water) Sampled: 05/01/07 07:20								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	05/03/07 18:11	SW846 8021B	7050659
Ethylbenzene	ND		ug/L	0.50	1	05/03/07 18:11	SW846 8021B	7050659
Toluene	ND		ug/L	0.50	1	05/03/07 18:11	SW846 8021B	7050659
Xylenes, total	ND		ug/L	0.50	1	05/03/07 18:11	SW846 8021B	7050659
<i>Surr. a.a.a-Trifluorotoluene (57-145%)</i>	<i>105 %</i>					<i>05/03/07 18:11</i>	<i>SW846 8021B</i>	<i>7050659</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	05/03/07 18:11	SW846 8015B	7050659
<i>Surr. a.a.a-Trifluorotoluene (44-152%)</i>	<i>105 %</i>					<i>05/03/07 18:11</i>	<i>SW846 8015B</i>	<i>7050659</i>
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	46.9	1	05/10/07 16:15	SW846 8015B	7050719
<i>Surr. o-Terphenyl (33-147%)</i>	<i>94 %</i>					<i>05/10/07 16:15</i>	<i>SW846 8015B</i>	<i>7050719</i>
Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-butyl ether	1.4		ug/l	0.50	1	05/11/07 18:36	EPA 8260B	7E11002
<i>Surr. 1,2-Dichloroethane-d4 (60-125%)</i>	<i>104 %</i>					<i>05/11/07 18:36</i>	<i>EPA 8260B</i>	<i>7E11002</i>
Sample ID: NQE0484-02 (MW2 - Ground Water) Sampled: 05/01/07 07:55								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	05/03/07 18:49	SW846 8021B	7050659
Ethylbenzene	ND		ug/L	0.50	1	05/03/07 18:49	SW846 8021B	7050659
Toluene	ND		ug/L	0.50	1	05/03/07 18:49	SW846 8021B	7050659
Xylenes, total	ND		ug/L	0.50	1	05/03/07 18:49	SW846 8021B	7050659
<i>Surr. a.a.a-Trifluorotoluene (57-145%)</i>	<i>104 %</i>					<i>05/03/07 18:49</i>	<i>SW846 8021B</i>	<i>7050659</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	05/03/07 18:49	SW846 8015B	7050659
<i>Surr. a.a.a-Trifluorotoluene (44-152%)</i>	<i>104 %</i>					<i>05/03/07 18:49</i>	<i>SW846 8015B</i>	<i>7050659</i>
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	46.9	1	05/10/07 16:32	SW846 8015B	7050719
<i>Surr. o-Terphenyl (33-147%)</i>	<i>99 %</i>					<i>05/10/07 16:32</i>	<i>SW846 8015B</i>	<i>7050719</i>
Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-butyl ether	ND		ug/l	0.50	1	05/11/07 19:09	EPA 8260B	7E11002
<i>Surr. 1,2-Dichloroethane-d4 (60-125%)</i>	<i>94 %</i>					<i>05/11/07 19:09</i>	<i>EPA 8260B</i>	<i>7E11002</i>
Sample ID: NQE0484-03 (MW3 - Ground Water) Sampled: 05/01/07 08:35								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	32.5		ug/L	0.50	1	05/03/07 19:26	SW846 8021B	7050659
Ethylbenzene	28.7		ug/L	0.50	1	05/03/07 19:26	SW846 8021B	7050659
Toluene	1.63		ug/L	0.50	1	05/03/07 19:26	SW846 8021B	7050659
Xylenes, total	1.53		ug/L	0.50	1	05/03/07 19:26	SW846 8021B	7050659
<i>Surr. a.a.a-Trifluorotoluene (57-145%)</i>	<i>109 %</i>					<i>05/03/07 19:26</i>	<i>SW846 8021B</i>	<i>7050659</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	539		ug/L	50.0	1	05/03/07 19:26	SW846 8015B	7050659

Client ETIC Engineering Pleasant Hill (10236)
 2285 Morello Avenue
 Pleasant Hill, CA 94523
 Attn Erik Appel

Work Order: NQE0484
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 05/03/07 07:55

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE0484-03 (MW3 - Ground Water) - cont. Sampled: 05/01/07 08:35								
Purgeable Petroleum Hydrocarbons - cont								
Surr: a.a.a-Trifluorotoluene (44-152%)	109 %					05/03/07 19:26	SW846 8015B	7050659
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	120		ug/L	46.9	1	05/10/07 16:49	SW846 8015B	7050719
Surr: o-Terphenyl (33-147%)	103 %					05/10/07 16:49	SW846 8015B	7050719
Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-butyl ether	ND		ug/l	0.50	1	05/11/07 16:24	EPA 8260B	7E11003
Surr: 1,2-Dichloroethane-d4 (60-125%)	98 %					05/11/07 16:24	EPA 8260B	7E11003
Sample ID: NQE0484-04 (MW4 - Ground Water) Sampled: 05/01/07 09:25								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	05/03/07 20:04	SW846 8021B	7050659
Ethylbenzene	ND		ug/L	0.50	1	05/03/07 20:04	SW846 8021B	7050659
Toluene	ND		ug/L	0.50	1	05/03/07 20:04	SW846 8021B	7050659
Xylenes, total	ND		ug/L	0.50	1	05/03/07 20:04	SW846 8021B	7050659
Surr: a.a.a-Trifluorotoluene (57-145%)	100 %					05/03/07 20:04	SW846 8021B	7050659
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	05/03/07 20:04	SW846 8015B	7050659
Surr: a.a.a-Trifluorotoluene (44-152%)	100 %					05/03/07 20:04	SW846 8015B	7050659
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	46.9	1	05/10/07 17:07	SW846 8015B	7050719
Surr: o-Terphenyl (33-147%)	90 %					05/10/07 17:07	SW846 8015B	7050719
Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-butyl ether	ND		ug/l	0.50	1	05/11/07 16:56	EPA 8260B	7E11003
Surr: 1,2-Dichloroethane-d4 (60-125%)	100 %					05/11/07 16:56	EPA 8260B	7E11003

Client ETIC Engineering Pleasant Hill (10236)
2285 Morello Avenue
Pleasant Hill, CA 94523
Attn Erik Appel

Work Order: NQE0484
Project Name: Exxon 04-334
Project Number: 04-334
Received: 05/03/07 07:55

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons with Silica Gel Treatment							
SW846 8015B	7050719	NQE0484-01	1065 00	1 00	05/04/07 13:30	BJM	EPA 3510C
SW846 8015B	7050719	NQE0484-02	1065 00	1 00	05/04/07 13:30	BJM	EPA 3510C
SW846 8015B	7050719	NQE0484-03	1065 00	1 00	05/04/07 13:30	BJM	EPA 3510C
SW846 8015B	7050719	NQE0484-04	1065 00	1 00	05/04/07 13:30	BJM	EPA 3510C

Client ETIC Engineering Pleasant Hill (10236)
 2285 Morello Avenue
 Pleasant Hill, CA 94523
 Attn Erik Appel

Work Order: NQE0484
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 05/03/07 07:55

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q C Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8021B						
7050659-BLK1						
Benzene	<0.37		ug/L	7050659	7050659-BLK1	05/03/07 04:17
Ethylbenzene	<0.21		ug/L	7050659	7050659-BLK1	05/03/07 04:17
Toluene	<0.41		ug/L	7050659	7050659-BLK1	05/03/07 04:17
Xylenes, total	<0.44		ug/L	7050659	7050659-BLK1	05/03/07 04:17
Surrogate <i>a.a.a-Trifluorotoluene</i>	104%			7050659	7050659-BLK1	05/03/07 04:17
7050659-BLK2						
Benzene	<0.37		ug/L	7050659	7050659-BLK2	05/03/07 04:36
Ethylbenzene	<0.21		ug/L	7050659	7050659-BLK2	05/03/07 04:36
Toluene	<0.41		ug/L	7050659	7050659-BLK2	05/03/07 04:36
Xylenes, total	<0.44		ug/L	7050659	7050659-BLK2	05/03/07 04:36
Surrogate <i>a.a.a-Trifluorotoluene</i>	104%			7050659	7050659-BLK2	05/03/07 04:36
Purgeable Petroleum Hydrocarbons						
7050659-BLK1						
GRO as Gasoline	<33.0		ug/L	7050659	7050659-BLK1	05/03/07 04:17
Surrogate <i>a.a.a-Trifluorotoluene</i>	104%			7050659	7050659-BLK1	05/03/07 04:17
7050659-BLK2						
GRO as Gasoline	<33.0		ug/L	7050659	7050659-BLK2	05/03/07 04:36
Surrogate <i>a.a.a-Trifluorotoluene</i>	104%			7050659	7050659-BLK2	05/03/07 04:36
Extractable Petroleum Hydrocarbons with Silica Gel Treatment						
7050719-BLK1						
Diesel	<37.0		ug/L	7050719	7050719-BLK1	05/10/07 15:40
Surrogate <i>o-Terphenyl</i>	92%			7050719	7050719-BLK1	05/10/07 15:40
Volatile Organic Compounds by EPA Method 8260B						
7E11002-BLK1						
Methyl tert-butyl ether	<0.31		ug/l	7E11002	7E11002-BLK1	05/11/07 12:16
Surrogate <i>1,2-Dichloroethane-d4</i>	92%			7E11002	7E11002-BLK1	05/11/07 12:16
7E11003-BLK1						
Methyl tert-butyl ether	<0.31		ug/l	7E11003	7E11003-BLK1	05/11/07 11:12
Surrogate <i>1,2-Dichloroethane-d4</i>	101%			7E11003	7E11003-BLK1	05/11/07 11:12

Client ETIC Engineering Pleasant Hill (10236)
 2285 Morello Avenue
 Pleasant Hill, CA 94523
 Attn Erik Appel

Work Order: NQE0484
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 05/03/07 07:55

PROJECT QUALITY CONTROL DATA
 LCS

Analyte	Known Val	Analyzed Val	Q	Units	% Rec	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8021B								
7050659-BS1								
Benzene	100	92.5		ug/L	92%	72 - 132	7050659	05/03/07 13:54
Ethylbenzene	100	99.5		ug/L	100%	75 - 119	7050659	05/03/07 13:54
Toluene	100	93.5		ug/L	94%	71 - 121	7050659	05/03/07 13:54
Xylenes, total	200	194		ug/L	97%	73 - 122	7050659	05/03/07 13:54
Surrogate: <i>a.a.a-Trifluorotoluene</i>	30.0	32.1			107%	57 - 145	7050659	05/03/07 13:54
7050659-BS2								
Benzene	100	95.4		ug/L	95%	72 - 132	7050659	05/03/07 14:12
Ethylbenzene	100	102		ug/L	102%	75 - 119	7050659	05/03/07 14:12
Toluene	100	95.7		ug/L	96%	71 - 121	7050659	05/03/07 14:12
Xylenes, total	200	194		ug/L	97%	73 - 122	7050659	05/03/07 14:12
Surrogate: <i>a.a.a-Trifluorotoluene</i>	30.0	32.9			110%	57 - 145	7050659	05/03/07 14:12
Purgeable Petroleum Hydrocarbons								
7050659-BS3								
GRO as Gasoline	1000	786		ug/L	79%	58 - 138	7050659	05/03/07 14:54
Surrogate: <i>a.a.a-Trifluorotoluene</i>	30.0	32.2			107%	44 - 152	7050659	05/03/07 14:54
7050659-BS4								
GRO as Gasoline	1000	788		ug/L	79%	58 - 138	7050659	05/03/07 15:12
Surrogate: <i>a.a.a-Trifluorotoluene</i>	30.0	33.2			111%	44 - 152	7050659	05/03/07 15:12
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
7050719-BS1								
Diesel	1000	607		ug/L	61%	38 - 123	7050719	05/10/07 15:57
Surrogate: <i>o-Terphenyl</i>	20.0	20.5			102%	33 - 147	7050719	05/10/07 15:57
Volatile Organic Compounds by EPA Method 8260B								
7E11002-BS1								
Methyl tert-butyl ether	10.0	11.5		ug/l	115%	50 - 140	7E11002	05/11/07 08:56
Surrogate: <i>1,2-Dichloroethane-d4</i>	2.50	2.57			103%	60 - 125	7E11002	05/11/07 08:56
7E11003-BS1								
Methyl tert-butyl ether	10.0	9.65		ug/l	96%	50 - 140	7E11003	05/11/07 09:38
Surrogate: <i>1,2-Dichloroethane-d4</i>	2.50	2.37			95%	60 - 125	7E11003	05/11/07 09:38

Client ETIC Engineering Pleasant Hill (10236)
 2285 Morello Avenue
 Pleasant Hill, CA 94523
 Attn Erik Appel

Work Order: NQE0484
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 05/03/07 07:55

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 EPA Method 8021B										
7050659-MS1										
Benzene	ND	51.9		ug/L	50.0	104%	72 - 133	7050659	NQE0196-07	05/03/07 15:49
Ethylbenzene	ND	55.7		ug/L	50.0	111%	75 - 137	7050659	NQE0196-07	05/03/07 15:49
Toluene	ND	52.4		ug/L	50.0	105%	71 - 127	7050659	NQE0196-07	05/03/07 15:49
Xylenes, total	ND	108		ug/L	100	108%	73 - 140	7050659	NQE0196-07	05/03/07 15:49
<i>Surrogate a.a.a-Trifluorotoluene</i>		31.6		ug/L	30.0	105%	57 - 145	7050659	NQE0196-07	05/03/07 15:49
7050659-MS2										
Benzene	0.211	52.3		ug/L	50.0	104%	72 - 133	7050659	NQE0074-11	05/04/07 12:43
Ethylbenzene	ND	56.2		ug/L	50.0	112%	75 - 137	7050659	NQE0074-11	05/04/07 12:43
Toluene	0.220	52.5		ug/L	50.0	105%	71 - 127	7050659	NQE0074-11	05/04/07 12:43
Xylenes, total	ND	107		ug/L	100	107%	73 - 140	7050659	NQE0074-11	05/04/07 12:43
<i>Surrogate a.a.a-Trifluorotoluene</i>		30.9		ug/L	30.0	103%	57 - 145	7050659	NQE0074-11	05/04/07 12:43
Volatile Organic Compounds by EPA Method 8260B										
7E11002-MS1										
Methyl tert-butyl ether	19	33.9	MI	ug/l	10.0	149%	50 - 140	7E11002	MQE0170-05	05/11/07 10:37
<i>Surrogate 1,2-Dichloroethane-d4</i>		2.59		ug/l	2.50	104%	60 - 125	7E11002	MQE0170-05	05/11/07 10:37
7E11003-MS1										
Methyl tert-butyl ether	7.9	18.4		ug/l	10.0	105%	50 - 140	7E11003	MQE0170-04	05/11/07 13:17
<i>Surrogate 1,2-Dichloroethane-d4</i>		2.45		ug/l	2.50	98%	60 - 125	7E11003	MQE0170-04	05/11/07 13:17

Client ETIC Engineering Pleasant Hill (10236)
 2285 Morello Avenue
 Pleasant Hill, CA 94523
 Attn Erik Appel

Work Order: NQE0484
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 05/03/07 07:55

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 8021B												
7050659-MSD1												
Ethylbenzene	ND	47.4		ug/L	50.0	95%	75 - 137	16	18	7050659	NQE0196-07	05/03/07 16:08
Toluene	ND	44.3	R3	ug/L	50.0	89%	71 - 127	17	15	7050659	NQE0196-07	05/03/07 16:08
Xylenes, total	ND	89.8	R3	ug/L	100	90%	73 - 140	18	14	7050659	NQE0196-07	05/03/07 16:08
Surrogate: a,a,a-Trifluorotoluene		32.6		ug/L	30.0	109%	57 - 145			7050659	NQE0196-07	05/03/07 16:08
7050659-MSD2												
Benzene	0.211	50.4		ug/L	50.0	100%	72 - 133	4	11	7050659	NQE0074-11	05/04/07 13:02
Ethylbenzene	ND	54.7		ug/L	50.0	109%	75 - 137	3	18	7050659	NQE0074-11	05/04/07 13:02
Toluene	0.220	51.1		ug/L	50.0	102%	71 - 127	3	15	7050659	NQE0074-11	05/04/07 13:02
Xylenes, total	ND	104		ug/L	100	104%	73 - 140	3	14	7050659	NQE0074-11	05/04/07 13:02
Surrogate: a,a,a-Trifluorotoluene		30.7		ug/L	30.0	102%	57 - 145			7050659	NQE0074-11	05/04/07 13:02
Volatile Organic Compounds by EPA Method 8260B												
7E11002-MSD1												
Methyl tert-butyl ether	19	30.5		ug/l	10.0	115%	50 - 140	11	25	7E11002	MQE0170-05	05/11/07 11:10
Surrogate: 1,2-Dichloroethane-d4		2.24		ug/l	2.50	90%	60 - 125			7E11002	MQE0170-05	05/11/07 11:10
7E11003-MSD1												
Methyl tert-butyl ether	7.9	19.0		ug/l	10.0	111%	50 - 140	3	25	7E11003	MQE0170-04	05/11/07 13:48
Surrogate: 1,2-Dichloroethane-d4		2.57		ug/l	2.50	103%	60 - 125			7E11003	MQE0170-04	05/11/07 13:48

Client ETIC Engineering Pleasant Hill (10236)
2285 Morello Avenue
Pleasant Hill, CA 94523
Attn Erik Appel

Work Order: NQE0484
Project Name: Exxon 04-334
Project Number: 04-334
Received: 05/03/07 07:55

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8015B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X

Subcontracted Laboratories

Sequoia Analytical - Morgan Hill (11658) Arizona Cert #AZ0686, California Cert #1210, 01117CA, Colorado Cert #No Cert. No., Washington Cert #C1657

885 Jarvis Drive - Morgan Hill, CA 95037

Method Performed: EPA 8260B

Samples: NQE0484-01, NQE0484-02, NQE0484-03, NQE0484-04

Client ETIC Engineering Pleasant Hill (10236)
2285 Morello Avenue
Pleasant Hill, CA 94523
Attn Erik Appel

Work Order: NQE0484
Project Name: Exxon 04-334
Project Number: 04-334
Received: 05/03/07 07:55

NELAC CERTIFICATION SUMMARY

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

Method

Matrix

Analyte

Client ETIC Engineering Pleasant Hill (10236)
2285 Morello Avenue
Pleasant Hill, CA 94523
Attn Erik Appel

Work Order: NQE0484
Project Name: Exxon 04-334
Project Number: 04-334
Received: 05/03/07 07:55

DATA QUALIFIERS AND DEFINITIONS

M1 The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
R3 The RPD exceeded the acceptance limit due to sample matrix effects.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

COOLER RECEIPT FORM



NQE0484

Cooler Received/Opened On 05/03/07 0755

1. Tracking # 4263 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 90943149

2. Temperature of rep. sample or temp blank when opened: 1.4 Degrees Celsius

3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 19/20

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial)

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper 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

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # WS

I certify that I unloaded the cooler and answered questions 7-14 (Initial)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used? YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial)

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial)

I certify that I attached a label with the unique LIMS number to each container (Initial)

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# _____

Consultant Name: ETIC ENGINEERING TA Account #: 10236
 Address: 2285 MORELLO AVE.
 City/State/Zip: PLEASANT HILL, CA. 94523 Invoice To: JENNIFER SEDLACHEK (XOMTM)
 ExxonMobil Territory Mgr: JENNIFER SEDLACHEK Report To: eticlabreports@eticeng.com
 Consultant Project Mgr: ERK APPEL Project #: UP04334.1 PO #: 4508105068
 Consultant Telephone Number: 925-602-4710 EXT.21 Fax No.: 925-602-4720 Facility ID # 04-334
 Sampler Name: (Print) BALWINDER SINGH Site Address 2492 CASTRO VALLEY BLVD
 Sampler Signature: *Balwinder Singh* City, State, Zip CASTRO VALLEY, CA. 94546

Regulatory District (CA)

Sample ID / Description	Date Sampled	Time Sampled	No of Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix				Analyze For:				RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results		
							Ice	HNO ₃ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	TPH-G BY 8015B					TPH-D BY 8015B/3510	BTEX BY 8021B
MW1	05-11-07	08:25	8																								
MW2	05-11-07	08:35	8				X	X														X					-01
MW3	05-11-07	08:35	8				X	X														X					-02
MW4	05-11-07	09:25	8				X	X														X					-03
							X	X														X					-04

NQE0484
05/17/07 23:59

GLOBAL ID# T0600101278

EDF FILE REQUIRED

Special Instructions:
* USE SILICAGEL CLEANUP FOR TPH-D ANALYSIS.

Relinquished by:
Balwinder Singh
Date: 05-01-07
Time: _____
Received by:
Julie Ng
Date: 5-1-07
Time: 1705

Received by:
(TAMH)
Date: 5/1/07
Time: 1545
Received by TestAmerica:
Ande Mad...
Date: _____
Time: _____

Laboratory Comments:
Temperature Upon Receipt: 2°C 1.4°C
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Project Manager or attach specific instructions

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ETIC
 REC. BY (PRINT) A.M
 WORKORDER: _____

DATE REC'D AT LAB: 5/01/07
 TIME REC'D AT LAB: 1705
 DATE LOGGED IN: _____

For Regulatory Purposes?
 DRINKING WATER YES / NO
 WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s)	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
Present / <input checked="" type="radio"/> Absent		MW-1	6 VOA	HCl	-	L	5/01/07	
Intact / Broken*		↓	2(L) Amber	-	↓	↓	↓	
Present / Absent*		MW-2	SAME	SAME	↓	↓	↓	
Present / <input checked="" type="radio"/> Absent		MW-3	↓	↓	↓	↓	↓	
Airbill / Sticker		MW-4						
Present / Absent								
Airbill #:								
6 Sample Labels:								
7 Sample IDs:								
8 Sample Condition:								
9. Does information on chain-of-custody, traffic reports and sample labels agree?								
10. Sample received within hold time?								
11 Adequate sample volume received?								
12. Proper preservatives used?								
13. Trip Blank / Temp Blank Received? (circle which, if yes)								
1. Read Temp: Corrected Temp: Is corrected temp 4 +/-2°C?								
2. Acceptance range for samples requiring thermal pres.: (if any): METALS / DFF ON ICE or Problem COC								


5/01/07 A.M

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Attachments can contain viruses that may harm your computer. Attachments may not display correctly.

Andrew J. Medeiros

Sent: Wed 5/2/2007 11:33 AM

From: Christina Woodcock
To: Andrew J. Medeiros; Fariba Farshchian; Julie Hoang; Pedro Hufano
Cc: Jim Hatfield
Subject: ETIC 04-334 5-1_water
Attachments:  ETIC 04-334 5-1_water.pdf(126KB)

Send all of it to Nashville

Christina Woodcock
Project Manager - Morgan Hill, CA Facility
Direct line: 406 782 8154
cwoodcock@testamericainc.com