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RECEIVED

1:43 pm, Dec 17, 2007

Alameda County
Environmental Health

Jennifer C. Sedlachek
Project Manager

ExxonMobil
Refining & Supply

December 3, 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, Fourth Quarter 2007* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the October 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.

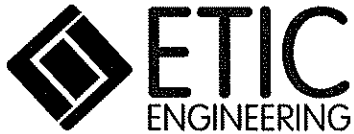
Sincerely,



JCS
Jennifer C. Sedlachek
Project Manager

Attachment: ETIC Groundwater Monitoring Report dated December 2007

- c: w/ attachment:
Ms. Paula Floeck – Jiffy Lube International
Mr. Joseph D. Phillips – Jiffy Lube Remediation Coordinator
Mr. William Slaughterback – 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.



**Report of Groundwater Monitoring
Fourth 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
(925) 602-4710


Jamie Lynn Peters
Staff Geologist

12/3/07
Date


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



12/3/07
Date

December 2007

SITE CONTACTS

Site Name: Former Mobil Station 04-334

Site 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

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 1 August 2007, the date of the previous monitoring event to 25 October 2007, the date of the most 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
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:	25 October 2007
Wells gauged and sampled:	MW1-MW4
Wells gauged only:	None
Groundwater flow direction:	Northeast
Groundwater gradient:	0.0043
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 xylenes by EPA Method 8021B
- Methyl tertiary butyl ether by EPA Method 8260B

ADDITIONAL ACTIVITIES PERFORMED

Seven direct push borings were performed in accordance with ETIC's Subsurface Investigation Work Plan dated March 2007. The results of this investigation will be submitted under separate cover.

WORK PROPOSED FOR NEXT QUARTER

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

Attachments:

Figure 1: Site Map 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 and Chain-of-Custody Documentation

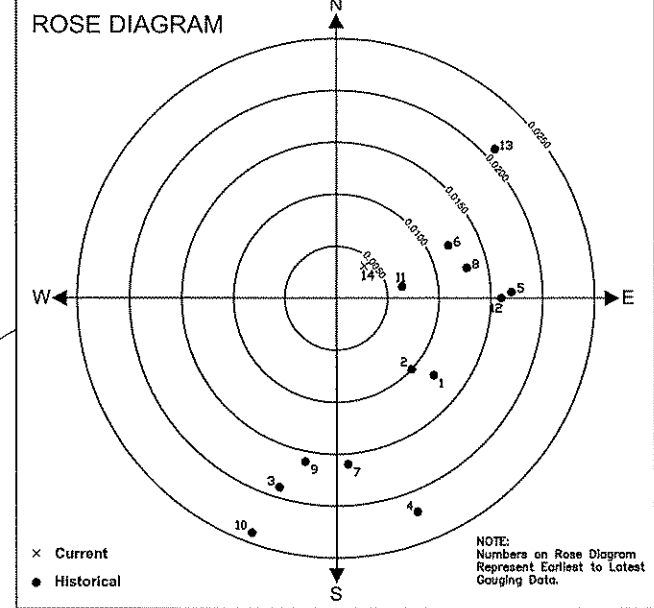
Figures

Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
TPH-g	<50.0
TPH-d	<47.2
MTBE (8260)	1.63

Benzene	2.94
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
TPH-g	50.4
TPH-d	<47.2
MTBE (8260)	<0.500

Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
TPH-g	<50.0
TPH-d	<47.2
MTBE (8260)	<0.500

Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
TPH-g	<50.0
TPH-d	<47.2
MTBE (8260)	<0.500

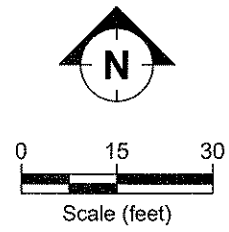


GW Groundwater Flow Direction
Gradient = 0.0043

LEGEND

- ⊕ Groundwater monitoring well
- ⊕ Former Thrifty Oil Station groundwater monitoring well
- Soil boring
- (165.84) 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

Notes:
Concentrations in micrograms per liter (ug/L).



FILENAME: 402007.DWG 11/10/2007



SITE MAP SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
FORMER MOBIL STATION 04-334
2492 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA
25 OCTOBER 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

Notes:

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	08/01/07	173.23	8.00	165.23	3.02	4.18	0.89	3.96	90.8	<47	1.54 ^b
MW1	10/25/07	173.23	7.90	165.33	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	1.63^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
MW2	08/01/07	173.63	8.12	165.51	<0.50	<0.50	<0.50	<0.50	<50.0	<47	<0.500 ^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
MW2	10/25/07	173.63	7.79	165.84	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500^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
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
MW3	08/01/07	171.91	7.54	164.37	1.26	0.60	<0.50	<0.50	89.2	<47	<0.500 ^b
MW3	10/25/07	171.91	6.30	165.61	2.94	<0.50	<0.50	<0.50	50.4	<47.2	<0.500^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

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
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
MW4	08/01/07	170.48	6.06	164.42	0.85	<0.50	<0.50	0.97	<50.0	<47	<0.870 ^b
MW4	10/25/07	170.48	5.34	165.14	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500^b

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

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.

µg/L Micrograms per liter.

MTBE Methyl tertiary butyl ether.

TPH-d Total Petroleum Hydrocarbons as diesel.

TPH-g Total Petroleum Hydrocarbons as gasoline.

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

Notes:

BTEX Benzene, toluene, ethylbenzene, and xylenes.
 MTBE Methyl tertiary butyl ether.
 Q Quarterly.
 TPH-d Total Petroleum Hydrocarbons as diesel.
 TPH-g Total Petroleum Hydrocarbons as gasoline.

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



Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334	Well No: MW1	Date: 10-25-07
Project No: UP04-334.1.6	Personnel: ALEX	

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)	X	Multiplier for Casing Diameter				Casing Volume (gal)	=	Total Purge Volume (gal)
	19.71	=	7.90	=	11.81	X	1	4	6	1.58	=	506	
							0.04	0.16	0.64	1.44			

PURGING DATA
 Purge Method: WATERFRA / BAILER / SUB Purge Rate: GPM

Time	0810	0812	0814			
Volume Purge (gal)	2	4	6			
Temperature (C)	20.3	20.1	20.4			
pH	7.09	7.04	7.01			
Spec. Cond. (umhos)	799	784	786			
Turbidity/Color	SILTY / BRN	SILTY / BRN	SILTY / BRN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA 0820 8-0 (feet)

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

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW1	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
MW1	2	AMBERS	HCL	1L	/	TPH-D
					/	

Total Purge Volume: 6 (gallons) Disposal: SYSTEM

Weather Conditions: <u>OK</u>	BOLTS <u>Y</u> / N
Condition of Well Box and Casing at Time of Sampling: <u>OK</u>	CAP & LOCK <u>Y</u> / N
Well Head Conditions Requiring Correction: <u>NONE</u>	GROUT <u>Y</u> / N
Problems Encountered During Purging and Sampling: <u>NONE</u>	WELL BOX. <u>Y</u> / N
Comments:	SECURED <u>Y</u> / N

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW2 Date: 10-25-07
 Project No: UP04-334.1.6 Personnel: ALEX

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	-	7.79	=	12.41	X	1	2	4	6	1.98	=
						0.04	0.16	0.64	1.44			

PURGING DATA

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

Time	0942	0944	0946			
Volume Purge (gal)	2	4	6			
Temperature (C)	21.0	21.4	20.7			
pH	7.27	7.15	7.19			
Spec. Cond. (umhos)	641	650	660			
Turbidity/Color	SMTB / BRN	SMTB / BRN	SMTB / BRN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 0955 Approximate Depth to Water During Sampling: 8.0 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
MW2	2	AMBERS	HCL	1L	/	TPH-D
					/	

Total Purge Volume: 6 (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: MW3 Date: 10-25-07
 Project No: UP04-334.1.6 Personnel: ALEX

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	- 6.30	= 13.67	X 1	2.18	= 6.56
				0.04 0.16 0.64 1.44		

PURGING DATA
 Purge Method: WATER / BAILER / SUB Purge Rate: GPM

Time	1009	1012	1015			
Volume Purge (gal)	2.5	5	7.5			
Temperature (C)	21.9	22.5	22.1			
pH	7.18	7.09	7.10			
Spec. Cond. (umhos)	735	717	712			
Turbidity/Color	SILTY/BKN	SILTY/BKN	SILTY/BKN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA 1025
 Time Sampled: Approximate Depth to Water During Sampling: 7.0 (feet)
 Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<u>MW3</u>	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
<u>MW3</u>	2	AMBERS	HCL	1L		TPH-D

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: NO GROUT Y / N
 Problems Encountered During Purging and Sampling: NO WELL BOX. Y / N
 Comments: SECURED Y / N

GROUNDWATER PURGE AND SAMPLE

Project Name: Exxon 04-334 Well No: MW4 Date: 10-25-07
 Project No: UP04-334.1.6 Personnel: AEX

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)
		14.20	- 5.84	= 8.36	X 1	2	4	6	1.33
				0.04	0.16	0.64	1.44		

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

Time	0912	0914	0916		
Volume Purge (gal)	1.5	3	4.5		
Temperature (C)	18.2	19.5	19.4		
pH	7.49	7.37	7.28		
Spec. Cond. (umhos)	710	694	732		
Turbidity/Color	<u>SILTY/BN</u>	<u>SILTY/BN</u>	<u>SILTY/BN</u>		
Odor (Y/N)	N	N	N		
Casing Volumes	1	2	3		
Dewatered (Y/N)	N	N	N		

Comments/Observations:

SAMPLING DATA 0925
 Time Sampled: Approximate Depth to Water During Sampling: 6.0 (feet)
 Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<u>MW4</u>	6	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
<u>MW4</u>	2	AMBERS	HCL	1L		TPH-D

Total Purge Volume: 4.5 (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

Appendix C

Laboratory Analytical Reports and Chain-of-Custody Documentation

November 08, 2007 6:21:53PM

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

Work Order: NQJ3512
Project Name: Exxon 04-334
Project Nbr: 04-334
P/O Nbr: 4508105068
Date Received: 10/30/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NQJ3512-01	10/25/07 08:20
MW-2	NQJ3512-02	10/25/07 09:55
MW-3	NQJ3512-03	10/25/07 10:25
MW-4	NQJ3512-04	10/25/07 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.

California Certification Number: 01168CA

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

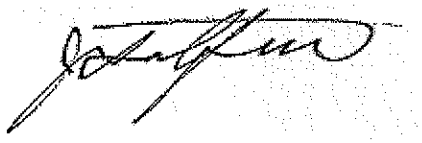
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

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: NQJ3512
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 10/30/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQJ3512-01 (MW-1 - Ground Water) Sampled: 10/25/07 08:20								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	11/06/07 02:15	SW846 8021B	7111170
Ethylbenzene	ND		ug/L	0.50	1	11/06/07 02:15	SW846 8021B	7111170
Toluene	ND		ug/L	0.50	1	11/06/07 02:15	SW846 8021B	7111170
Xylenes, total	ND		ug/L	0.50	1	11/06/07 02:15	SW846 8021B	7111170
Surr: a,a,a-Trifluorotoluene (46-150%)	97 %					11/06/07 02:15	SW846 8021B	7111170
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	1.63		ug/L	0.500	1	11/01/07 08:03	SW846 8260B	7106050
Surr: 1,2-Dichloroethane-d4 (60-140%)	103 %					11/01/07 08:03	SW846 8260B	7106050
Surr: Dibromofluoromethane (75-124%)	105 %					11/01/07 08:03	SW846 8260B	7106050
Surr: Toluene-d8 (78-121%)	103 %					11/01/07 08:03	SW846 8260B	7106050
Surr: 4-Bromofluorobenzene (79-124%)	108 %					11/01/07 08:03	SW846 8260B	7106050
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	11/06/07 02:15	SW846 8015B	7111170
Surr: a,a,a-Trifluorotoluene (63-134%)	97 %					11/06/07 02:15	SW846 8015B	7111170
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.2	1	11/01/07 12:22	SW846 8015B	7105981
Surr: o-Terphenyl (18-150%)	62 %					11/01/07 12:22	SW846 8015B	7105981
Sample ID: NQJ3512-02 (MW-2 - Ground Water) Sampled: 10/25/07 09:55								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	11/06/07 02:41	SW846 8021B	7111170
Ethylbenzene	ND		ug/L	0.50	1	11/06/07 02:41	SW846 8021B	7111170
Toluene	ND		ug/L	0.50	1	11/06/07 02:41	SW846 8021B	7111170
Xylenes, total	ND		ug/L	0.50	1	11/06/07 02:41	SW846 8021B	7111170
Surr: a,a,a-Trifluorotoluene (46-150%)	97 %					11/06/07 02:41	SW846 8021B	7111170
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	11/01/07 08:30	SW846 8260B	7106050
Surr: 1,2-Dichloroethane-d4 (60-140%)	102 %					11/01/07 08:30	SW846 8260B	7106050
Surr: Dibromofluoromethane (75-124%)	104 %					11/01/07 08:30	SW846 8260B	7106050
Surr: Toluene-d8 (78-121%)	99 %					11/01/07 08:30	SW846 8260B	7106050
Surr: 4-Bromofluorobenzene (79-124%)	107 %					11/01/07 08:30	SW846 8260B	7106050
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	11/06/07 02:41	SW846 8015B	7111170
Surr: a,a,a-Trifluorotoluene (63-134%)	97 %					11/06/07 02:41	SW846 8015B	7111170
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.2	1	11/01/07 12:38	SW846 8015B	7105981
Surr: o-Terphenyl (18-150%)	87 %					11/01/07 12:38	SW846 8015B	7105981

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

Work Order: NQJ3512
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 10/30/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQJ3512-03 (MW-3 - Ground Water) Sampled: 10/25/07 10:25								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	2.94		ug/L	0.50	1	11/06/07 03:08	SW846 8021B	7111170
Ethylbenzene	ND		ug/L	0.50	1	11/06/07 03:08	SW846 8021B	7111170
Toluene	ND		ug/L	0.50	1	11/06/07 03:08	SW846 8021B	7111170
Xylenes, total	ND		ug/L	0.50	1	11/06/07 03:08	SW846 8021B	7111170
Surr: a,a,a-Trifluorotoluene (46-150%)	100 %					11/06/07 03:08	SW846 8021B	7111170
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	11/01/07 08:57	SW846 8260B	7106050
Surr: 1,2-Dichloroethane-d4 (60-140%)	102 %					11/01/07 08:57	SW846 8260B	7106050
Surr: Dibromofluoromethane (75-124%)	103 %					11/01/07 08:57	SW846 8260B	7106050
Surr: Toluene-d8 (78-121%)	96 %					11/01/07 08:57	SW846 8260B	7106050
Surr: 4-Bromofluorobenzene (79-124%)	107 %					11/01/07 08:57	SW846 8260B	7106050
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	50.4		ug/L	50.0	1	11/06/07 03:08	SW846 8015B	7111170
Surr: a,a,a-Trifluorotoluene (63-134%)	100 %					11/06/07 03:08	SW846 8015B	7111170
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.2	1	11/01/07 12:54	SW846 8015B	7105981
Surr: o-Terphenyl (18-150%)	59 %					11/01/07 12:54	SW846 8015B	7105981
Sample ID: NQJ3512-04 (MW-4 - Ground Water) Sampled: 10/25/07 09:25								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	11/06/07 03:34	SW846 8021B	7111170
Ethylbenzene	ND		ug/L	0.50	1	11/06/07 03:34	SW846 8021B	7111170
Toluene	ND		ug/L	0.50	1	11/06/07 03:34	SW846 8021B	7111170
Xylenes, total	ND		ug/L	0.50	1	11/06/07 03:34	SW846 8021B	7111170
Surr: a,a,a-Trifluorotoluene (46-150%)	98 %					11/06/07 03:34	SW846 8021B	7111170
Selected Volatile Organic Compounds by EPA Method 8260B								
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	11/01/07 09:25	SW846 8260B	7106050
Surr: 1,2-Dichloroethane-d4 (60-140%)	101 %					11/01/07 09:25	SW846 8260B	7106050
Surr: Dibromofluoromethane (75-124%)	104 %					11/01/07 09:25	SW846 8260B	7106050
Surr: Toluene-d8 (78-121%)	101 %					11/01/07 09:25	SW846 8260B	7106050
Surr: 4-Bromofluorobenzene (79-124%)	107 %					11/01/07 09:25	SW846 8260B	7106050
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	11/06/07 03:34	SW846 8015B	7111170
Surr: a,a,a-Trifluorotoluene (63-134%)	98 %					11/06/07 03:34	SW846 8015B	7111170
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.2	1	11/01/07 13:10	SW846 8015B	7105981
Surr: o-Terphenyl (18-150%)	66 %					11/01/07 13:10	SW846 8015B	7105981

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

Work Order: NQJ3512
Project Name: Exxon 04-334
Project Number: 04-334
Received: 10/30/07 08:00

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	7105981	NQJ3512-01	1060.00	1.00	10/31/07 10:50	LRW	EPA 3510C
SW846 8015B	7105981	NQJ3512-02	1060.00	1.00	10/31/07 10:50	LRW	EPA 3510C
SW846 8015B	7105981	NQJ3512-03	1060.00	1.00	10/31/07 10:50	LRW	EPA 3510C
SW846 8015B	7105981	NQJ3512-04	1060.00	1.00	10/31/07 10:50	LRW	EPA 3510C

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

Work Order: NQJ3512
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 10/30/07 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8021B

7111170-BLK1

Benzene	<0.22		ug/L	7111170	7111170-BLK1	11/05/07 23:11
Ethylbenzene	<0.19		ug/L	7111170	7111170-BLK1	11/05/07 23:11
Methyl tert-Butyl Ether	<0.10		ug/L	7111170	7111170-BLK1	11/05/07 23:11
Toluene	<0.24		ug/L	7111170	7111170-BLK1	11/05/07 23:11
Xylenes, total	<0.25		ug/L	7111170	7111170-BLK1	11/05/07 23:11
Surrogate: a,a,a-Trifluorotoluene	99%			7111170	7111170-BLK1	11/05/07 23:11

7111170-BLK2

Benzene	<0.22		ug/L	7111170	7111170-BLK2	11/06/07 04:26
Ethylbenzene	<0.19		ug/L	7111170	7111170-BLK2	11/06/07 04:26
Toluene	<0.24		ug/L	7111170	7111170-BLK2	11/06/07 04:26
Xylenes, total	<0.25		ug/L	7111170	7111170-BLK2	11/06/07 04:26
Surrogate: a,a,a-Trifluorotoluene	99%			7111170	7111170-BLK2	11/06/07 04:26

Selected Volatile Organic Compounds by EPA Method 8260B

7106050-BLK1

Methyl tert-Butyl Ether	<0.250		ug/L	7106050	7106050-BLK1	11/01/07 03:04
Surrogate: 1,2-Dichloroethane-d4	100%			7106050	7106050-BLK1	11/01/07 03:04
Surrogate: Dibromofluoromethane	101%			7106050	7106050-BLK1	11/01/07 03:04
Surrogate: Toluene-d8	102%			7106050	7106050-BLK1	11/01/07 03:04
Surrogate: 4-Bromofluorobenzene	108%			7106050	7106050-BLK1	11/01/07 03:04

Purgeable Petroleum Hydrocarbons

7111170-BLK1

GRO as Gasoline	<26.0		ug/L	7111170	7111170-BLK1	11/05/07 23:11
Surrogate: a,a,a-Trifluorotoluene	99%			7111170	7111170-BLK1	11/05/07 23:11

7111170-BLK2

GRO as Gasoline	<26.0		ug/L	7111170	7111170-BLK2	11/06/07 04:26
Surrogate: a,a,a-Trifluorotoluene	99%			7111170	7111170-BLK2	11/06/07 04:26

Extractable Petroleum Hydrocarbons with Silica Gel Treatment

7105981-BLK1

Diesel	<20.0		ug/L	7105981	7105981-BLK1	11/01/07 11:18
Surrogate: o-Terphenyl	33%			7105981	7105981-BLK1	11/01/07 11:18

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

Work Order: NQJ3512
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 10/30/07 08:00

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								
7111170-BS1								
Benzene	100	95.8		ug/L	96%	74 - 120	7111170	11/06/07 09:14
Ethylbenzene	100	99.5		ug/L	99%	73 - 120	7111170	11/06/07 09:14
Toluene	100	93.7		ug/L	94%	74 - 120	7111170	11/06/07 09:14
Xylenes, total	200	194		ug/L	97%	67 - 120	7111170	11/06/07 09:14
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	30.4			101%	46 - 150	7111170	11/06/07 09:14
Selected Volatile Organic Compounds by EPA Method 8260B								
7106050-BS1								
Methyl tert-Butyl Ether	50.0	52.7		ug/L	105%	70 - 129	7106050	11/01/07 01:15
Surrogate: <i>1,2</i> -Dichloroethane- <i>d4</i>	25.0	24.5			98%	60 - 140	7106050	11/01/07 01:15
Surrogate: Dibromofluoromethane	25.0	25.2			101%	75 - 124	7106050	11/01/07 01:15
Surrogate: Toluene- <i>d8</i>	25.0	25.4			102%	78 - 121	7106050	11/01/07 01:15
Surrogate: <i>4</i> -Bromofluorobenzene	25.0	26.1			104%	79 - 124	7106050	11/01/07 01:15
Purgeable Petroleum Hydrocarbons								
7111170-BS2								
GRO as Gasoline	1000	788		ug/L	79%	64 - 120	7111170	11/06/07 10:12
Surrogate: <i>a,a,a</i> -Trifluorotoluene	30.0	33.8			113%	63 - 134	7111170	11/06/07 10:12
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
7105981-BS1								
Diesel	1000	685	MNR1	ug/L	69%	49 - 117	7105981	11/01/07 11:34
Surrogate: <i>o</i> -Terphenyl	20.0	13.9			69%	18 - 150	7105981	11/01/07 11:34

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

Work Order: NQJ3512
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 10/30/07 08:00

PROJECT QUALITY CONTROL DATA
LCS 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												
7111170-BSD1												
Benzene		94.9		ug/L	100	95%	74 - 120	1	39	7111170		11/06/07 12:15
Ethylbenzene		97.7		ug/L	100	98%	73 - 120	2	37	7111170		11/06/07 12:15
Toluene		92.3		ug/L	100	92%	74 - 120	2	30	7111170		11/06/07 12:15
Xylenes, total		190		ug/L	200	95%	67 - 120	2	38	7111170		11/06/07 12:15
Surrogate: <i>a,a,a-Trifluorotoluene</i>		30.5		ug/L	30.0	102%	46 - 150			7111170		11/06/07 12:15
Selected Volatile Organic Compounds by EPA Method 8260B												
7106050-BSD1												
Methyl tert-Butyl Ether		52.8		ug/L	50.0	106%	70 - 129	0.09	32	7106050		11/01/07 01:42
Surrogate: <i>1,2-Dichloroethane-d4</i>		24.8		ug/L	25.0	99%	60 - 140			7106050		11/01/07 01:42
Surrogate: <i>Dibromofluoromethane</i>		25.4		ug/L	25.0	101%	75 - 124			7106050		11/01/07 01:42
Surrogate: <i>Toluene-d8</i>		25.4		ug/L	25.0	102%	78 - 121			7106050		11/01/07 01:42
Surrogate: <i>4-Bromofluorobenzene</i>		26.2		ug/L	25.0	105%	79 - 124			7106050		11/01/07 01:42
Purgeable Petroleum Hydrocarbons												
7111170-BSD2												
GRO as Gasoline		982		ug/L	1000	98%	64 - 120	22	27	7111170		11/06/07 13:08
Surrogate: <i>a,a,a-Trifluorotoluene</i>		32.5		ug/L	30.0	108%	63 - 134			7111170		11/06/07 13:08

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

Work Order: NQJ3512
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 10/30/07 08:00

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										
7111170-MS1										
Benzene	ND	46.8		ug/L	50.0	94%	48 - 158	7111170	NQJ3512-01	11/06/07 11:23
Ethylbenzene	ND	48.6		ug/L	50.0	97%	52 - 151	7111170	NQJ3512-01	11/06/07 11:23
Toluene	ND	47.6		ug/L	50.0	95%	53 - 147	7111170	NQJ3512-01	11/06/07 11:23
Xylenes, total	ND	94.9		ug/L	100	95%	52 - 143	7111170	NQJ3512-01	11/06/07 11:23
Surrogate: <i>a,a,a-Trifluorotoluene</i>		27.5		ug/L	30.0	92%	46 - 150	7111170	NQJ3512-01	11/06/07 11:23
Selected Volatile Organic Compounds by EPA Method 8260B										
7106050-MS1										
Methyl tert-Butyl Ether	ND	51.1		ug/L	50.0	102%	60 - 144	7106050	NQJ3492-01	11/01/07 10:46
Surrogate: <i>1,2-Dichloroethane-d4</i>		25.7		ug/L	25.0	103%	60 - 140	7106050	NQJ3492-01	11/01/07 10:46
Surrogate: <i>Dibromofluoromethane</i>		25.5		ug/L	25.0	102%	75 - 124	7106050	NQJ3492-01	11/01/07 10:46
Surrogate: <i>Toluene-d8</i>		25.3		ug/L	25.0	101%	78 - 121	7106050	NQJ3492-01	11/01/07 10:46
Surrogate: <i>4-Bromofluorobenzene</i>		26.1		ug/L	25.0	104%	79 - 124	7106050	NQJ3492-01	11/01/07 10:46

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

Work Order: NQJ3512
 Project Name: Exxon 04-334
 Project Number: 04-334
 Received: 10/30/07 08:00

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												
7111170-MSD1												
Benzene	ND	50.5		ug/L	50.0	101%	48 - 158	7	39	7111170	NQJ3512-01	11/06/07 11:49
Ethylbenzene	ND	52.0		ug/L	50.0	104%	52 - 151	7	37	7111170	NQJ3512-01	11/06/07 11:49
Toluene	ND	49.2		ug/L	50.0	98%	53 - 147	3	30	7111170	NQJ3512-01	11/06/07 11:49
Xylenes, total	ND	101		ug/L	100	101%	52 - 143	6	38	7111170	NQJ3512-01	11/06/07 11:49
Surrogate: a,a,a-Trifluorotoluene		30.1		ug/L	30.0	100%	46 - 150			7111170	NQJ3512-01	11/06/07 11:49
Selected Volatile Organic Compounds by EPA Method 8260B												
7106050-MSD1												
Methyl tert-Butyl Ether	ND	52.5		ug/L	50.0	105%	60 - 144	3	32	7106050	NQJ3492-01	11/01/07 11:14
Surrogate: 1,2-Dichloroethane-d4		25.2		ug/L	25.0	101%	60 - 140			7106050	NQJ3492-01	11/01/07 11:14
Surrogate: Dibromofluoromethane		25.5		ug/L	25.0	102%	75 - 124			7106050	NQJ3492-01	11/01/07 11:14
Surrogate: Toluene-d8		25.2		ug/L	25.0	101%	78 - 121			7106050	NQJ3492-01	11/01/07 11:14
Surrogate: 4-Bromofluorobenzene		26.2		ug/L	25.0	105%	79 - 124			7106050	NQJ3492-01	11/01/07 11:14

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

Work Order: NQJ3512
Project Name: Exxon 04-334
Project Number: 04-334
Received: 10/30/07 08:00

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
SW846 8260B	Water	N/A	X	X

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

Work Order: NQJ3512
Project Name: Exxon 04-334
Project Number: 04-334
Received: 10/30/07 08:00

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

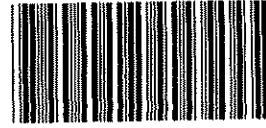
Work Order: NQJ3512
Project Name: Exxon 04-334
Project Number: 04-334
Received: 10/30/07 08:00

DATA QUALIFIERS AND DEFINITIONS

MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

COOLER RECEIPT



NQJ3512

Cooler Received/Opened On 10/30/07 @ 08:00

1. Tracking # 4190 (last 4 digits, FedEx)

Courier: FED-EX IR Gun ID A01124

2. Temperature of rep. sample or temp blank when opened: 2.6 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: FRONT

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 #

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

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...#

1 broken MW3

PROBLEM CHAIN-OF-CUSTODY

DATE/TIME 10/29/07 0945
CLIENT ETIC
CLIENT SERVICES REP TIM R.

DATE RECEIVED 10/26/07
TURN AROUND TIME 10 DAYS
ANALYST JULIE

PROBLEM

* SUB TO NASHVILLE OR KEEP HERE ?

RESOLUTION

Client Instruction* send to Nashville.

Telephone Number of Client: _____

Client Contact for Instruction: _____

Date and Time of Instruction: _____

Date & Time Form Given to Sample Control: _____

CLIENT SERVICES REP. SIGNATURE: _____

DATE/TIME: 10/29/07 - 11:17

*If client does not return call within 24 hours, please route this form to the Laboratory Director.

White Copy - Client Services

Pink Copy - Sample Control