ExxonMobil
Environmental Services Company
4096 Piedmont Avenue #194
Oakland, CA 94611
510.547.8196
510.547.8706 FAX
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager

ExxonMobil

May 9, 2008

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: Fuel Leak Investigation Site No. RO0002635
Former Exxon RAS #74121, 10605 Foothill Boulevard, Oakland, California

Dear Mr. Chan:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, First Quarter 2008* for the above-referenced site. The report, prepared by ETIC Engineering, Inc. of Pleasant Hill, California, details the results of the March 2008 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,

FOR
Jennifer C. Sedlachek
Project Manager

Attachment: ETIC Groundwater Monitoring Report dated May 2008

c: w/ attachment:
Mr. Ken Phares - MacArthur Boulevard Associates, Oakland, California
Mr. Peter McIntyre - AEI Consultants

c: w/o attachment:
Mr. Bryan Campbell - ETIC Engineering, Inc.

ETIC ENGINEERING

Report of Groundwater Monitoring
First Quarter 2008

Former Exxon Retail Site 74121
10605 Foothill Boulevard
Oakland, California

Prepared for

ExxonMobil Oil Corporation

Prepared by

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

K. Erik Appel, P.G. #8092
Project Manager

May 5, 2008
Date

May 2008

SITE CONTACTS

Site Name:	Former Exxon Retail Site 74121
Site Address:	10605 Foothill Boulevard Oakland, California
ExxonMobil Project Manager:	Jennifer C. Sedlachek ExxonMobil Environmental Services 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:	Barney Chan Alameda County Health Care Services Agency Environmental Health Services 1131 Harbor Bay Parkway Alameda, California 94502 (510) 567-6765

INTRODUCTION

ETIC Engineering, Inc. has prepared this quarterly groundwater monitoring report for ExxonMobil Environmental Services Company on behalf of ExxonMobil Oil Corporation for former Exxon Retail Site 74121. 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 7 September 2007, the date of the previous monitoring event, until 19 March 2008, the date of the most recent quarterly 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 74121
Site address:	10605 Foothill Boulevard, Oakland, California
Current property owner:	MacArthur Boulevard Associates
Current site use:	Landscaped area
Current phase of project:	Groundwater monitoring
Tanks at site:	Underground storage tanks removed in 1981 or 1982
Number of wells:	4 (4 onsite, 0 offsite)

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	19 March 2008
Wells gauged and sampled:	MW1, MW2, MW3, MW5
Wells gauged only:	None
Groundwater flow direction:	Northwest
Groundwater gradient:	0.002
Well screens submerged:	None
Well screens not submerged:	MW1, MW2, MW3, MW5
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 xylenes by EPA Method 8021B
- Methyl tertiary butyl ether, ethyl tertiary butyl ether, tertiary amyl methyl ether, tertiary butyl alcohol, diisopropyl ether, 1,2-dibromoethane, and 1,2-dichloroethane by EPA Method 8260B

ADDITIONAL ACTIVITIES PERFORMED

None.

WORK PROPOSED FOR NEXT QUARTER

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

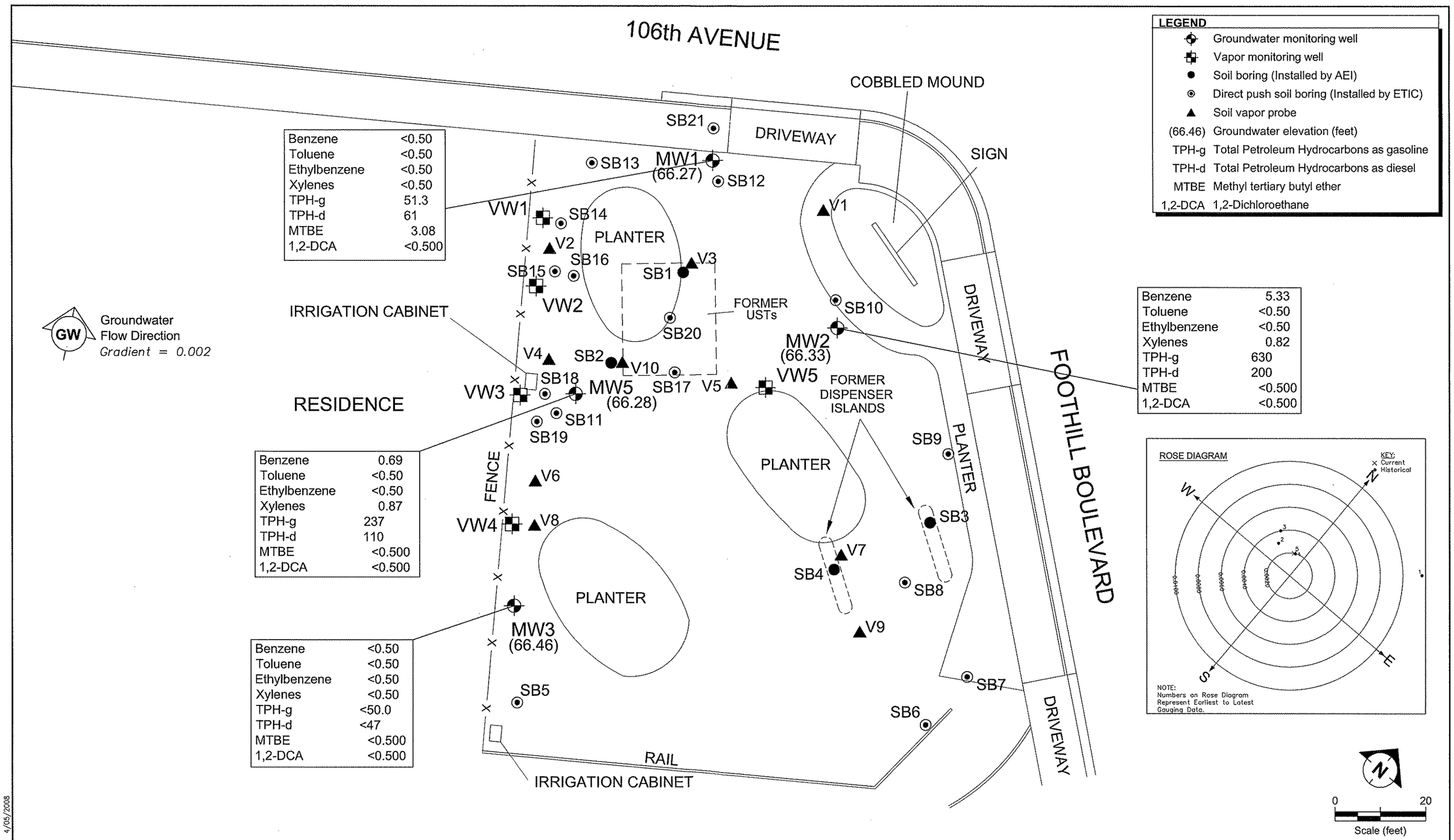
Attachments:

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 and Chain-of-Custody Documentation

Figures



FILENAME: 1Q2008.DWG 4/05/2008

ETIC ENGINEERING

SITE MAP SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
FORMER EXXON RS 74121
10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA
19 MARCH 2008

FIGURE:
1

Tables

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER EXXON RS 74121, 10605 FOOTHILL BOULEVARD, OAKLAND, 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	01/23/07	82.47	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW2	a	01/23/07	84.40	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW3	a	01/24/07	83.25	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
MW5	a	01/23/07	82.65	PVC	26.5	25	8	2	10 - 25	0.010	8 - 25	#2/12 Sand
VW1	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW2	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW3	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW4	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand
VW5	a	01/22/07	--	SS	6	6	6	0.125	5.25 - 5.75	0.010	5 - 6	#2/12 Sand

Notes:

a Well surveyed on 12 March 2007 by Morrow Surveying.

PVC Polyvinyl chloride.
SS Stainless steel.
TOC Top of casing.

TABLE 2 GROUNDWATER MONITORING DATA, FORMER EXXON RETAIL SITE 74121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Concentration (µg/L)												
						Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	MTBE	TBA	DIPE	ETBE	1,2-DCA	TAME	EDB
MW1	03/08/07	82.47	15.10	67.37	0.00	<1.00	1.21	<1.00	<3.00	440	119	1.91	<10.0	<0.500	<0.500	<0.500	0.560	<0.500
MW1	06/08/07	82.47	16.47	66.00	0.00	<0.50	<0.50	<0.50	<0.50	127	<47.6	0.880	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW1	09/06/07	82.47	17.47	65.00	0.00	<0.50	<0.50	<0.50	<0.50	78.0	<47.2	0.590	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW1	12/03/07	82.47	18.10	64.37	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	**03/19/08**	**82.47**	**16.20**	**66.27**	**0.00**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**51.3**	**61[e]**	**3.08**	**<10.0**	**<0.500**	**<0.500**	**<0.500**	**0.930**	**<0.500**
MW2	03/08/07	84.40	16.97	67.43	0.00	1.33	3.52	2.41	<3.00	1,620	550	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW2	06/08/07	84.40	18.34	66.06	0.00	21.8	2.45	0.66	<0.50	2,120	395	<0.500	10.0[c]	<0.500	<0.500	<0.500	<0.500	<0.500
MW2	09/06/07	84.40	19.33	65.07	0.00	4.66	0.70	<0.50	1.25	470	208	<0.500	<10.0[ac]	<0.500	<0.500	<0.500	<0.500	<0.500
MW2	12/03/07	84.40	19.97	64.43	0.00	22[d]	<0.50	<0.50	<0.50	560	120[e]	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	**03/19/08**	**84.40**	**18.07**	**66.33**	**0.00**	**5.33**	**<0.50**	**<0.50**	**0.82**	**630**	**200[e]**	**<0.500**	**<10.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**
MW3	03/08/07	83.25	15.49	67.76	0.00	<1.00	<1.00	<1.00	<3.00	<100	52.9	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW3	06/08/07	83.25	17.02	66.23	0.00	<0.50	<0.50	<0.50	<0.50	<50.0	<47.6	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW3	09/06/07	83.25	18.07	65.18	0.00	<0.50	<0.50	<0.50	<0.50	<50.0	<47.2	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW3	12/03/07	83.25	18.69	64.56	0.00	<0.50	<0.50	<0.50	<0.50	<50	<47	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW3	**03/19/08**	**83.25**	**16.79**	**66.46**	**0.00**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<50.0**	**<47**	**<0.500**	**<10.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**
MW5	03/08/07	82.65	14.31	68.34	0.00	<1.00	<1.00	<1.00	<3.00	187	59.2	<0.500	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	06/08/07	82.65	16.64	66.01	0.00	4.38	0.72	<0.50	<0.50	780	90.3	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	09/06/07	82.65	17.62	65.03	0.00	<0.50	<0.50	<0.50	<0.50	<50.0	121	<0.500	<10.0[a,b]	<0.500	<0.500	<0.500	<0.500	<0.500
MW5	12/03/07	82.65	18.27	64.38	0.00	<0.50	<0.50	<0.50	<0.50	100	65[e]	<0.50	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5	**03/19/08**	**82.65**	**16.37**	**66.28**	**0.00**	**0.69**	**<0.50**	**<0.50**	**0.87**	**237**	**110[e]**	**<0.500**	**<10.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**

Notes: MTBE analyzed by EPA Method 8260B unless otherwise indicated.

a Calibration verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
b Laboratory control sample and/or laboratory control sample duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
c Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
d The RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the higher value was reported.
e Does not match typical pattern.

1,2-DCA 1,2-Dichloroethane.
DIPE Diisopropyl ether.
EDB 1,2-Dibromoethane.
ETBE Ethyl tertiary butyl ether.
MTBE Methyl tertiary butyl ether.
TAME Tertiary amyl methyl ether.
TBA Tertiary butyl alcohol.
TPH-d Total Petroleum Hydrocarbons as diesel analyzed by EPA Method 8015B.
TPH-g Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8015B.

µg/L Micrograms per liter.

TABLE 3 GROUNDWATER MONITORING PLAN, FORMER EXXON RS 74121, 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency		
		TPH-g, TPH-d, and BTEX	MTBE	Other Oxygenates and Additives
MW1	Q	Q	Q	Q
MW2	Q	Q	Q	Q
MW3	Q	Q	Q	Q
MW5	Q	Q	Q	Q

Notes: Oxygenates and additives include diisopropyl ether, tertiary butyl alcohol, tertiary amyl methyl ether, ethyl tertiary butyl ether, 1,2-dibromoethane, and 1,2-dichloroethane.

BTEX Benzene, toluene, ethylbenzene, and xylenes.
MTBE Methyl tertiary butyl ether.
Q Quarterly.
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

ETIC ENGINEERING

MONITORING WELL DATA FORM

Client: **Former Exxon 74121**

Date: 03-19-08

Project Number: **UP4121.1.6**

Station Number: **74121**

Site Location:
10605 Foothill Boulevard, Oakland, CA

Samplers: BINDET

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	16.20	N.P	0.00	0		24.05	2"
MW2	18.07	N.P	0.00	0		24.70	2"
MW3	16.79	N.P	0.00	0		23.55	2"
MW5	16.37	N.P	0.00	0		25.49	2"

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No:	MW1	Date:	03.19.08
Project No:	UP4121.1.6	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)
							1	(2)	4	6			
	24.05	-	16.20	=	7.85	X	0.04	0.16	0.64	1.44	1.25	=	3.76

PURGING DATA

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

Time	1110	1112	1114			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	17.5	17.9	18.1			
pH	6.91	6.98	7.00			
Spec Cond (umhos)	1092	1069	1065			
Turbidity/Color	SLIT BROWN	SLIGHT BROWN	SLIT CLEAR			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 1120 Approximate Depth to Water During Sampling: 17. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW1	6-9	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW1	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 4.5 (gallons) Disposal: SYSTEM

Weather Conditions: ok

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

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments:

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

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No: MW2	Date: 03-19-08
Project No:	UP4121.1.6	Personnel: TBALDEY	

GAUGING DATA

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

WELL PURGE VOLUME CALCULATION	Total Depth (feet)		Depth to Water (feet)		Water Column (feet)		Multiplier for Casing Diameter				Casing Volume (gal)		Total Purge Volume (gal)
	24.70	-	18.07	=	6.63	X	1	(2)	4	6	1.06	=	3.18
							0.04	0.16	0.64	1.44			

PURGING DATA

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

Time	1035	1037	1039			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	16.4	16.9	17.5			
pH	7.10	7.05	6.97			
Spec Cond (umhos)	1114	1037	1029			
Turbidity/Color	SLTY GRAY	SLTY GRAY	SLTY CLEAR			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 1045 Approximate Depth to Water During Sampling: 19. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	~~6~~ 9	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW2	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 4.5 (gallons) Disposal: SYSTEM

Weather Conditions: OK

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

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments:

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

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No: MW3	Date: 03-19-08
Project No:	UP4121.1.6	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)
	23.55	-	16.79	=	6.76	X	1	(2)	4	6	1.08	=	3.24
							0.04	0.16	0.64	1.44			

PURGING DATA

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

Time	1003	1005	1007			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	16.5	16.7	16.8			
pH	6.71	6.79	6.82			
Spec.Cond.(umhos)	1383	1438	1465			
Turbidity/Color	SLT BROWN	SLT BROWN	SLT BROWN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 1015 Approximate Depth to Water During Sampling: 17. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW3	3	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW3	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 4.5 (gallons) Disposal: SYSTEM

Weather Conditions: clr

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

Well Head Conditions Requiring Correction: N

Problems Encountered During Purging and Sampling: N

Comments:

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

ETIC ENGINEERING
Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE FORM

Project Name:	Exxon 74121	Well No: MW5	Date: 03-19-08
Project No:	UP4121.1.6	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)
	25.49	−	16.37	=	9.12	X	1	(2")	4	6	1.45	=	4.37
							0.04	0.16	0.64	1.44			

PURGING DATA

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

Time	0932	0934	0936			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	16.0	16.5	16.7			
pH	6.24	6.50	6.77			
Spec Cond (umhos)	1051	1062	1008			
Turbidity/Color	SLTY GRAY	SLTY GRAY	SLTY GRAY			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: 0945 Approximate Depth to Water During Sampling: 17. (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW5	6 9	Voa	HCL	40 ml		TPH-g, BTEX, MTBE
MW5	2	AMBERS	NONE	1L		TPH-D

Total Purge Volume: 4.5 (gallons) Disposal: SYSTEM

Weather Conditions: ok

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

Well Head Conditions Requiring Correction: N

Problems Encountered During Purging and Sampling: N

Comments:

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

Appendix C

Laboratory Analytical Reports and Chain-of-Custody Documentation

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

April 04, 2008 11:59:38AM

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

Work Order: NRC1991
Project Name: Exxon 7-4121
Project Nbr: 7-4121
P/O Nbr: 4509320596
Date Received: 03/22/08

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW1	NRC1991-01	03/19/08 11:20
MW2	NRC1991-02	03/19/08 10:45
MW3	NRC1991-03	03/19/08 10:15
MW5	NRC1991-04	03/19/08 09:45

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.

SW846 8015B analysis performed at Lab ID: 1210, 01117CA
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.

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:

Gail A Lage

Program Manager - National Accounts

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC1991-01 (MW1 - Ground Water) Sampled: 03/19/08 11:20								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	03/27/08 01:05	SW846 8021B	8033925
Ethylbenzene	ND		ug/L	0.50	1	03/27/08 01:05	SW846 8021B	8033925
Toluene	ND		ug/L	0.50	1	03/27/08 01:05	SW846 8021B	8033925
Xylenes, total	ND		ug/L	0.50	1	03/27/08 01:05	SW846 8021B	8033925
Surr: a,a,a-Trifluorotoluene (46-150%)	*95 %*					*03/27/08 01:05*	*SW846 8021B*	*8033925*
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	**0.930**		ug/L	0.500	1	03/25/08 03:34	SW846 8260B	8033474
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	03/25/08 03:34	SW846 8260B	8033474
1,2-Dichloroethane	ND		ug/L	0.500	1	03/25/08 03:34	SW846 8260B	8033474
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	03/25/08 03:34	SW846 8260B	8033474
Diisopropyl Ether	ND		ug/L	0.500	1	03/25/08 03:34	SW846 8260B	8033474
Methyl tert-Butyl Ether	**3.08**		ug/L	0.500	1	03/25/08 03:34	SW846 8260B	8033474
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/25/08 03:34	SW846 8260B	8033474
Surr: 1,2-Dichloroethane-d4 (60-140%)	*99 %*					*03/25/08 03:34*	*SW846 8260B*	*8033474*
Surr: Dibromofluoromethane (75-124%)	*101 %*					*03/25/08 03:34*	*SW846 8260B*	*8033474*
Surr: Toluene-d8 (78-121%)	*100 %*					*03/25/08 03:34*	*SW846 8260B*	*8033474*
Surr: 4-Bromofluorobenzene (79-124%)	*103 %*					*03/25/08 03:34*	*SW846 8260B*	*8033474*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	**51.3**		ug/L	50.0	1	03/28/08 23:07	SW846 8015B	8034339
Surr: a,a,a-Trifluorotoluene (46-150%)	*102 %*					*03/28/08 23:07*	*SW846 8015B*	*8034339*
Extractable Hydrocarbons by EPA 8015B								
Diesel Range Organics (C10-C28)	**61**	Q1	ug/l	47	1	03/26/08 15:53	EPA 8015B-SVO/	8C26009
Surr: n-Octacosane (40-120%)	*75 %*					*03/26/08 15:53*	*EPA 8015B-SVO/*	*8C26009*
Sample ID: NRC1991-02 (MW2 - Ground Water) Sampled: 03/19/08 10:45								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	**5.33**		ug/L	0.50	1	03/27/08 01:36	SW846 8021B	8033925
Ethylbenzene	ND		ug/L	0.50	1	03/27/08 01:36	SW846 8021B	8033925
Toluene	ND		ug/L	0.50	1	03/27/08 01:36	SW846 8021B	8033925
Xylenes, total	**0.82**		ug/L	0.50	1	03/27/08 01:36	SW846 8021B	8033925
Surr: a,a,a-Trifluorotoluene (46-150%)	*94 %*					*03/27/08 01:36*	*SW846 8021B*	*8033925*
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	03/25/08 04:01	SW846 8260B	8033474
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	03/25/08 04:01	SW846 8260B	8033474
1,2-Dichloroethane	ND		ug/L	0.500	1	03/25/08 04:01	SW846 8260B	8033474
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	03/25/08 04:01	SW846 8260B	8033474
Diisopropyl Ether	ND		ug/L	0.500	1	03/25/08 04:01	SW846 8260B	8033474
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	03/25/08 04:01	SW846 8260B	8033474
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/25/08 04:01	SW846 8260B	8033474
Surr: 1,2-Dichloroethane-d4 (60-140%)	*101 %*					*03/25/08 04:01*	*SW846 8260B*	*8033474*
Surr: Dibromofluoromethane (75-124%)	*103 %*					*03/25/08 04:01*	*SW846 8260B*	*8033474*
Surr: Toluene-d8 (78-121%)	*101 %*					*03/25/08 04:01*	*SW846 8260B*	*8033474*

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

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC1991-02 (MW2 - Ground Water) - cont. Sampled: 03/19/08 10:45								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 4-Bromofluorobenzene (79-124%)	*103 %*					*03/25/08 04:01*	*SW846 8260B*	*8033474*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	**630**		ug/L	50.0	1	03/27/08 01:36	SW846 8015B	8033925
Surr: a,a,a-Trifluorotoluene (46-150%)	*94 %*					*03/27/08 01:36*	*SW846 8015B*	*8033925*
Extractable Hydrocarbons by EPA 8015B								
Diesel Range Organics (C10-C28)	**200**	Q1	ug/l	47	1	03/26/08 14:39	EPA 8015B-SVO/	8C26009
Surr: n-Octacosane (40-120%)	*71 %*					*03/26/08 14:39*	*EPA 8015B-SVO/*	*8C26009*
Sample ID: NRC1991-03 (MW3 - Ground Water) Sampled: 03/19/08 10:15								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	03/27/08 02:07	SW846 8021B	8033925
Ethylbenzene	ND		ug/L	0.50	1	03/27/08 02:07	SW846 8021B	8033925
Toluene	ND		ug/L	0.50	1	03/27/08 02:07	SW846 8021B	8033925
Xylenes, total	ND		ug/L	0.50	1	03/27/08 02:07	SW846 8021B	8033925
Surr: a,a,a-Trifluorotoluene (46-150%)	*97 %*					*03/27/08 02:07*	*SW846 8021B*	*8033925*
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	03/25/08 04:27	SW846 8260B	8033474
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	03/25/08 04:27	SW846 8260B	8033474
1,2-Dichloroethane	ND		ug/L	0.500	1	03/25/08 04:27	SW846 8260B	8033474
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	03/25/08 04:27	SW846 8260B	8033474
Diisopropyl Ether	ND		ug/L	0.500	1	03/25/08 04:27	SW846 8260B	8033474
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	03/25/08 04:27	SW846 8260B	8033474
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/25/08 04:27	SW846 8260B	8033474
Surr: 1,2-Dichloroethane-d4 (60-140%)	*98 %*					*03/25/08 04:27*	*SW846 8260B*	*8033474*
Surr: Dibromofluoromethane (75-124%)	*102 %*					*03/25/08 04:27*	*SW846 8260B*	*8033474*
Surr: Toluene-d8 (78-121%)	*101 %*					*03/25/08 04:27*	*SW846 8260B*	*8033474*
Surr: 4-Bromofluorobenzene (79-124%)	*103 %*					*03/25/08 04:27*	*SW846 8260B*	*8033474*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	03/27/08 02:07	SW846 8015B	8033925
Surr: a,a,a-Trifluorotoluene (46-150%)	*97 %*					*03/27/08 02:07*	*SW846 8015B*	*8033925*
Extractable Hydrocarbons by EPA 8015B								
Diesel Range Organics (C10-C28)	ND		ug/l	47	1	03/26/08 15:16	EPA 8015B-SVO/	8C26009
Surr: n-Octacosane (40-120%)	*71 %*					*03/26/08 15:16*	*EPA 8015B-SVO/*	*8C26009*

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

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRC1991-04 (MW5 - Ground Water) Sampled: 03/19/08 09:45								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	**0.69**		ug/L	0.50	1	03/27/08 02:37	SW846 8021B	8033925
Ethylbenzene	ND		ug/L	0.50	1	03/27/08 02:37	SW846 8021B	8033925
Toluene	ND		ug/L	0.50	1	03/27/08 02:37	SW846 8021B	8033925
Xylenes, total	**0.87**		ug/L	0.50	1	03/27/08 02:37	SW846 8021B	8033925
Surr: a,a,a-Trifluorotoluene (46-150%)	*98 %*					*03/27/08 02:37*	*SW846 8021B*	*8033925*
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	03/25/08 04:54	SW846 8260B	8033474
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	03/25/08 04:54	SW846 8260B	8033474
1,2-Dichloroethane	ND		ug/L	0.500	1	03/25/08 04:54	SW846 8260B	8033474
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	03/25/08 04:54	SW846 8260B	8033474
Diisopropyl Ether	ND		ug/L	0.500	1	03/25/08 04:54	SW846 8260B	8033474
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	03/25/08 04:54	SW846 8260B	8033474
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	03/25/08 04:54	SW846 8260B	8033474
Surr: 1,2-Dichloroethane-d4 (60-140%)	*100 %*					*03/25/08 04:54*	*SW846 8260B*	*8033474*
Surr: Dibromofluoromethane (75-124%)	*100 %*					*03/25/08 04:54*	*SW846 8260B*	*8033474*
Surr: Toluene-d8 (78-121%)	*101 %*					*03/25/08 04:54*	*SW846 8260B*	*8033474*
Surr: 4-Bromofluorobenzene (79-124%)	*102 %*					*03/25/08 04:54*	*SW846 8260B*	*8033474*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	**237**		ug/L	50.0	1	03/27/08 02:37	SW846 8015B	8033925
Surr: a,a,a-Trifluorotoluene (46-150%)	*98 %*					*03/27/08 02:37*	*SW846 8015B*	*8033925*
Extractable Hydrocarbons by EPA 8015B								
Diesel Range Organics (C10-C28)	**110**	Q1	ug/l	47	1	03/26/08 15:53	EPA 8015B-SVO/	8C26009
Surr: n-Octacosane (40-120%)	*66 %*					*03/26/08 15:53*	*EPA 8015B-SVO/*	*8C26009*

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

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						
8033925-BLK1						
Benzene	<0.22		ug/L	8033925	8033925-BLK1	03/26/08 18:24
Ethylbenzene	<0.19		ug/L	8033925	8033925-BLK1	03/26/08 18:24
Toluene	<0.24		ug/L	8033925	8033925-BLK1	03/26/08 18:24
Xylenes, total	<0.25		ug/L	8033925	8033925-BLK1	03/26/08 18:24
Surrogate: a,a,a-Trifluorotoluene	102%			8033925	8033925-BLK1	03/26/08 18:24
8033925-BLK2						
Benzene	<0.22		ug/L	8033925	8033925-BLK2	03/27/08 00:34
Ethylbenzene	<0.19		ug/L	8033925	8033925-BLK2	03/27/08 00:34
Toluene	<0.24		ug/L	8033925	8033925-BLK2	03/27/08 00:34
Xylenes, total	0.426		ug/L	8033925	8033925-BLK2	03/27/08 00:34
Surrogate: a,a,a-Trifluorotoluene	102%			8033925	8033925-BLK2	03/27/08 00:34
Volatile Organic Compounds by EPA Method 8260B						
8033474-BLK1						
Tert-Amyl Methyl Ether	<0.460		ug/L	8033474	8033474-BLK1	03/25/08 00:54
1,2-Dibromoethane (EDB)	<0.470		ug/L	8033474	8033474-BLK1	03/25/08 00:54
1,2-Dichloroethane	<0.410		ug/L	8033474	8033474-BLK1	03/25/08 00:54
Ethyl tert-Butyl Ether	<0.220		ug/L	8033474	8033474-BLK1	03/25/08 00:54
Diisopropyl Ether	<0.280		ug/L	8033474	8033474-BLK1	03/25/08 00:54
Methyl tert-Butyl Ether	<0.250		ug/L	8033474	8033474-BLK1	03/25/08 00:54
Tertiary Butyl Alcohol	<4.24		ug/L	8033474	8033474-BLK1	03/25/08 00:54
Surrogate: 1,2-Dichloroethane-d4	100%			8033474	8033474-BLK1	03/25/08 00:54
Surrogate: Dibromofluoromethane	100%			8033474	8033474-BLK1	03/25/08 00:54
Surrogate: Toluene-d8	103%			8033474	8033474-BLK1	03/25/08 00:54
Surrogate: 4-Bromofluorobenzene	105%			8033474	8033474-BLK1	03/25/08 00:54
Purgeable Petroleum Hydrocarbons						
8033925-BLK1						
GRO as Gasoline	<26.0		ug/L	8033925	8033925-BLK1	03/26/08 18:24
Surrogate: a,a,a-Trifluorotoluene	102%			8033925	8033925-BLK1	03/26/08 18:24
8033925-BLK2						
GRO as Gasoline	<26.0		ug/L	8033925	8033925-BLK2	03/27/08 00:34
Surrogate: a,a,a-Trifluorotoluene	102%			8033925	8033925-BLK2	03/27/08 00:34
8034339-BLK1						
GRO as Gasoline	<26.0		ug/L	8034339	8034339-BLK1	03/28/08 21:31
Surrogate: a,a,a-Trifluorotoluene	99%			8034339	8034339-BLK1	03/28/08 21:31
Extractable Hydrocarbons by EPA 8015B						
8C26009-BLK1						

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

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Extractable Hydrocarbons by EPA 8015B						
8C26009-BLK1						
Diesel Range Organics (C10-C28)	<21		ug/l	8C26009	8C26009-BLK1	03/26/08 14:02
Surrogate: n-Octacosane	58%			8C26009	8C26009-BLK1	03/26/08 14:02

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

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								
8033925-BS1								
Benzene	100	88.9		ug/L	89%	74 - 120	8033925	03/26/08 00:07
Ethylbenzene	100	89.4		ug/L	89%	73 - 120	8033925	03/26/08 00:07
Toluene	100	86.1		ug/L	86%	74 - 120	8033925	03/26/08 00:07
Xylenes, total	200	177		ug/L	88%	67 - 120	8033925	03/26/08 00:07
Surrogate: a,a,a-Trifluorotoluene	30.0	30.1			100%	46 - 150	8033925	03/26/08 00:07
Volatile Organic Compounds by EPA Method 8260B								
8033474-BS1								
Tert-Amyl Methyl Ether	50.0	49.9		ug/L	100%	76 - 129	8033474	03/24/08 23:08
1,2-Dibromoethane (EDB)	50.0	51.9		ug/L	104%	80 - 125	8033474	03/24/08 23:08
1,2-Dichloroethane	50.0	49.0		ug/L	98%	69 - 136	8033474	03/24/08 23:08
Ethyl tert-Butyl Ether	50.0	50.4		ug/L	101%	74 - 128	8033474	03/24/08 23:08
Diisopropyl Ether	50.0	49.1		ug/L	98%	69 - 129	8033474	03/24/08 23:08
Methyl tert-Butyl Ether	50.0	45.9		ug/L	92%	70 - 129	8033474	03/24/08 23:08
Tertiary Butyl Alcohol	500	520		ug/L	104%	39 - 150	8033474	03/24/08 23:08
Surrogate: 1,2-Dichloroethane-d4	25.0	27.1			108%	60 - 140	8033474	03/24/08 23:08
Surrogate: Dibromofluoromethane	25.0	25.4			101%	75 - 124	8033474	03/24/08 23:08
Surrogate: Toluene-d8	25.0	25.5			102%	78 - 121	8033474	03/24/08 23:08
Surrogate: 4-Bromofluorobenzene	25.0	25.6			102%	79 - 124	8033474	03/24/08 23:08
Purgeable Petroleum Hydrocarbons								
8033925-BS2								
GRO as Gasoline	1000	950		ug/L	95%	26 - 150	8033925	03/26/08 06:10
Surrogate: a,a,a-Trifluorotoluene	30.0	33.6			112%	63 - 134	8033925	03/26/08 06:10
8034339-BS2								
GRO as Gasoline	1000	999		ug/L	100%	64 - 130	8034339	03/29/08 03:32
Surrogate: a,a,a-Trifluorotoluene	30.0	33.4			111%	63 - 134	8034339	03/29/08 03:32
Extractable Hydrocarbons by EPA 8015B								
8C26009-BS1								
Diesel Range Organics (C10-C28)	500	389		ug/l	78%	20 - 120	8C26009	03/26/08 14:39
Surrogate: n-Octacosane	50.0	33.7			67%	40 - 120	8C26009	03/26/08 14:39

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

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 8260B												
8033474-BSD1												
Tert-Amyl Methyl Ether		50.8		ug/L	50.0	102%	76 - 129	2	25	8033474		03/24/08 23:34
1,2-Dibromoethane (EDB)		53.4		ug/L	50.0	107%	80 - 125	3	21	8033474		03/24/08 23:34
1,2-Dichloroethane		50.1		ug/L	50.0	100%	69 - 136	2	26	8033474		03/24/08 23:34
Ethyl tert-Butyl Ether		51.4		ug/L	50.0	103%	74 - 128	2	26	8033474		03/24/08 23:34
Diisopropyl Ether		50.7		ug/L	50.0	101%	69 - 129	3	23	8033474		03/24/08 23:34
Methyl tert-Butyl Ether		46.4		ug/L	50.0	93%	70 - 129	1	32	8033474		03/24/08 23:34
Tertiary Butyl Alcohol		534		ug/L	500	107%	39 - 150	3	50	8033474		03/24/08 23:34
Surrogate: 1,2-Dichloroethane-d4		26.6		ug/L	25.0	106%	60 - 140			8033474		03/24/08 23:34
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	75 - 124			8033474		03/24/08 23:34
Surrogate: Toluene-d8		25.5		ug/L	25.0	102%	78 - 121			8033474		03/24/08 23:34
Surrogate: 4-Bromofluorobenzene		25.8		ug/L	25.0	103%	79 - 124			8033474		03/24/08 23:34
Extractable Hydrocarbons by EPA 8015B												
8C26009-BSD1												
Diesel Range Organics (C10-C28)		381		ug/l	500	76%	20 - 120	2	25	8C26009		03/26/08 15:16
Surrogate: n-Octacosane		31.9		ug/l	50.0	64%	40 - 120			8C26009		03/26/08 15:16

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

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

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										
8033925-MS1										
Benzene	ND	51.2		ug/L	50.0	102%	48 - 158	8033925	NRC1989-01	03/28/08 07:31
Ethylbenzene	ND	49.8		ug/L	50.0	100%	52 - 151	8033925	NRC1989-01	03/28/08 07:31
Toluene	ND	49.8		ug/L	50.0	100%	53 - 147	8033925	NRC1989-01	03/28/08 07:31
Xylenes, total	ND	102		ug/L	100	102%	52 - 143	8033925	NRC1989-01	03/28/08 07:31
Surrogate: a,a,a-Trifluorotoluene		30.5		ug/L	30.0	102%	46 - 150	8033925	NRC1989-01	03/28/08 07:31
Volatile Organic Compounds by EPA Method 8260B										
8033474-MS1										
Tert-Amyl Methyl Ether	ND	50.2		ug/L	50.0	100%	73 - 135	8033474	NRC1989-05	03/25/08 10:14
1,2-Dibromoethane (EDB)	ND	50.1		ug/L	50.0	100%	80 - 132	8033474	NRC1989-05	03/25/08 10:14
1,2-Dichloroethane	ND	43.1		ug/L	50.0	86%	53 - 146	8033474	NRC1989-05	03/25/08 10:14
Ethyl tert-Butyl Ether	ND	47.7		ug/L	50.0	95%	73 - 136	8033474	NRC1989-05	03/25/08 10:14
Diisopropyl Ether	ND	46.4		ug/L	50.0	93%	69 - 132	8033474	NRC1989-05	03/25/08 10:14
Methyl tert-Butyl Ether	ND	48.3		ug/L	50.0	97%	60 - 144	8033474	NRC1989-05	03/25/08 10:14
Tertiary Butyl Alcohol	ND	508		ug/L	500	102%	31 - 200	8033474	NRC1989-05	03/25/08 10:14
Surrogate: 1,2-Dichloroethane-d4		23.1		ug/L	25.0	93%	60 - 140	8033474	NRC1989-05	03/25/08 10:14
Surrogate: Dibromofluoromethane		25.0		ug/L	25.0	100%	75 - 124	8033474	NRC1989-05	03/25/08 10:14
Surrogate: Toluene-d8		24.6		ug/L	25.0	98%	78 - 121	8033474	NRC1989-05	03/25/08 10:14
Surrogate: 4-Bromofluorobenzene		23.3		ug/L	25.0	93%	79 - 124	8033474	NRC1989-05	03/25/08 10:14

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

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

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												
8033925-MSD1												
Benzene	ND	47.7		ug/L	50.0	95%	48 - 158	7	39	8033925	NRC1989-01	03/28/08 07:55
Ethylbenzene	ND	46.9		ug/L	50.0	94%	52 - 151	6	37	8033925	NRC1989-01	03/28/08 07:55
Toluene	ND	46.5		ug/L	50.0	93%	53 - 147	7	30	8033925	NRC1989-01	03/28/08 07:55
Xylenes, total	ND	96.6		ug/L	100	97%	52 - 143	5	38	8033925	NRC1989-01	03/28/08 07:55
Surrogate: a,a,a-Trifluorotoluene		31.0		ug/L	30.0	103%	46 - 150			8033925	NRC1989-01	03/28/08 07:55
Volatile Organic Compounds by EPA Method 8260B												
8033474-MSD1												
Tert-Amyl Methyl Ether	ND	50.5		ug/L	50.0	101%	73 - 135	0.7	25	8033474	NRC1989-05	03/25/08 10:40
1,2-Dibromoethane (EDB)	ND	50.9		ug/L	50.0	102%	80 - 132	2	21	8033474	NRC1989-05	03/25/08 10:40
1,2-Dichloroethane	ND	42.4		ug/L	50.0	85%	53 - 146	2	26	8033474	NRC1989-05	03/25/08 10:40
Ethyl tert-Butyl Ether	ND	48.0		ug/L	50.0	96%	73 - 136	0.5	26	8033474	NRC1989-05	03/25/08 10:40
Diisopropyl Ether	ND	46.1		ug/L	50.0	92%	69 - 132	0.5	23	8033474	NRC1989-05	03/25/08 10:40
Methyl tert-Butyl Ether	ND	48.6		ug/L	50.0	97%	60 - 144	0.7	32	8033474	NRC1989-05	03/25/08 10:40
Tertiary Butyl Alcohol	ND	511		ug/L	500	102%	31 - 200	0.7	50	8033474	NRC1989-05	03/25/08 10:40
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	93%	60 - 140			8033474	NRC1989-05	03/25/08 10:40
Surrogate: Dibromofluoromethane		25.0		ug/L	25.0	100%	75 - 124			8033474	NRC1989-05	03/25/08 10:40
Surrogate: Toluene-d8		24.9		ug/L	25.0	99%	78 - 121			8033474	NRC1989-05	03/25/08 10:40
Surrogate: 4-Bromofluorobenzene		23.5		ug/L	25.0	94%	79 - 124			8033474	NRC1989-05	03/25/08 10:40

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	California
SW846 8015B	Water	N/A	X	X
SW846 8021B	Water	N/A	X	X
SW846 8260B	Water	N/A	X	X

Subcontracted Laboratories

TestAmerica - Morgan Hill, CA 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 8015B-SVOA

Samples: NRC1991-01, NRC1991-02, NRC1991-03, NRC1991-04

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

NELAC CERTIFICATION SUMMARY

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

Method	Matrix	Analyte

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

Client	ETIC Engineering Pleasant Hill (10236)	Work Order:	NRC1991
	2285 Morello Avenue	Project Name:	Exxon 7-4121
	Pleasant Hill, CA 94523	Project Number:	7-4121
Attn	Erik Appel	Received:	03/22/08 08:10

DATA QUALIFIERS AND DEFINITIONS

Q1 Does not match typical pattern
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECE

IRC199

Cooler Received/Opened On 3.22.08 @ 0810

1. Tracking # 1122 (last 4 digits, FedEx)

Courier: **FedEx** IR Gun ID **643140**

2. Temperature of rep. sample or temp blank when opened: 3.0 *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: 1 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) _____

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...# 47657

Received only 9 VOAs per sample. No lites received.

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 9/6/07

N

TestAmerica INCORPORATED

Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

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

ExxonMobil

Consultant Name: ETIC ENGINEERING
Address: 2285 MORELLO AVE.
City/State/Zip: PLEASANT HILL, CA. 94523
ExxonMobil Territory Mgr: JENNIFER SEDLACHEK
Consultant Project Mgr: ERK APPEL   Project #: UP4121.1.6
Consultant Telephone Number: 925-602-4710 EXT.21   Fax No.: 925-602-4720
Sampler Name: (Print) BALJNIDER SINGH
Sampler Signature: [signature]

TA Account #: 10236
Invoice To: JENNIFER SEDLACHEK (XOMTM)
Report To: eticlabreports@eticeng.com
PO #: 4509320596
Facility ID # 74121
Site Address 10605 Foothill Boulevard
City, State, Zip Oakland, California
Regulatory District (CA)

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Ice 2 1LA	HNO_3 (Red Label)	HCl (Blue Label) 9 VOA	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_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	MTBE BY 8260B	OXYGENATES BY 8260B **	RUSH TAT (Pre-Schedule)	TAT request (in Bus. Days)	STD TAT	Fax Results	
MW1	03-19-08	1120	11				X		X						X						X	X	X	X	X			X		-1
MW2	03-19-08	1045	11				X		X						X						X	X	X	X	X			X		-2
MW3	03-19-08	1015	11				X		X						X						X	X	X	X	X			X		-3
MW5	03-19-08	0945	11				X		X						X						X	X	X	X	X			X		-4

NRC1991
04/07/08 23:59

Special Instructions: GLOBAL ID# T0600101278   EDF FILE REQUIRED
* USE SILICAGEL CLEANUP FOR TPH-D ANALYSIS.
** OXYGENATES ARE: TBA, DIPE, ETBE, TAME, EDB, AND 1,2-DCA

Laboratory Comments:
Temperature Upon Receipt: 3.4°
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	03-19-08	1300	[signature]	3-20-8	1400
Relinquished by: [signature]	3-20-8	1545	Received by TestAmerica: D. Velasquez	3/20	1545

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please pre-schedule w/ TestAmerica Project Manager or attach specifc instructions

G:\Projects\74121\Public\OM Pre-Field Folder\74121 COC NEW

Relinquished: D. Silva [illegible] 3/21/08 1525   [signature] 3-22-08/0840   3.0°c