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Environmental Health

Jennifer C. Sedlachek
Project Manager

ExxonMobil Refining & Supply Company
Global Remediation - US Retail
4096 Piedmont Avenue #194
Oakland, CA 94611
510.547.8196
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jennifer.c.sedlachek@exxonmobil.com

ExxonMobil
Refining & Supply

August 6, 2007

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 #7-4121, 10605 Foothill Boulevard, Oakland, California

Dear Mr. Chan:

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 June 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.

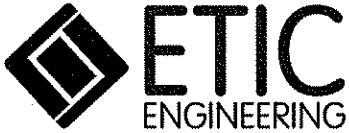
Sincerely,



Jennifer C. Sedlachek
Project Manager

Attachment: ETIC ETIC Groundwater Monitoring Report dated August 2007

- 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.



**Report of Groundwater Monitoring
Second Quarter 2007**

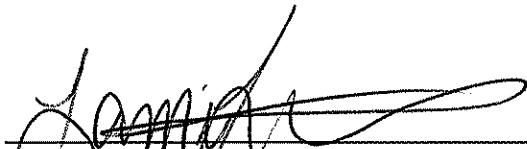
**Former Exxon Retail Site 7-4121
10605 Foothill Boulevard
Oakland, California**

Prepared for

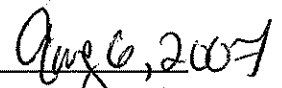
ExxonMobil Oil Corporation
4096 Piedmont Avenue #194
Oakland, California 94611

Prepared by


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



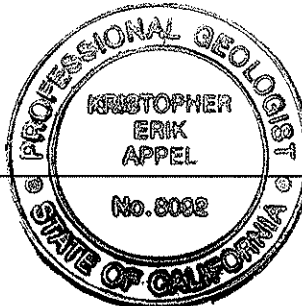
Jamie L. Peters
Staff Geologist



August 6, 2007
Date



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





August 6, 2007
Date

August 2007

SITE CONTACTS

Site Name: Former Exxon Retail Site 7-4121

Site Address: 10605 Foothill Boulevard
Oakland, 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: Barney Chan
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway
Alameda, California 94502
(510) 567-6765

INTRODUCTION

At the request of ExxonMobil Oil Corporation, ETIC Engineering, Inc. has prepared this quarterly groundwater monitoring report for former Exxon Retail Site 7-4121. This report presents the results for the most recent groundwater monitoring conducted at the site and summarizes recent site activities. This report covers site activities from 8 March 2007, the date of the baseline monitoring event, until 8 June 2007, the date of the first 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 7-4121
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:	8 June 2007
Wells gauged and sampled:	MW1, MW2, MW3, MW5
Wells gauged only:	None
Groundwater flow direction:	Northwest
Groundwater gradient:	0.0027
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 total 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

A Well Installation and Additional Risk Assessment Report dated May 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

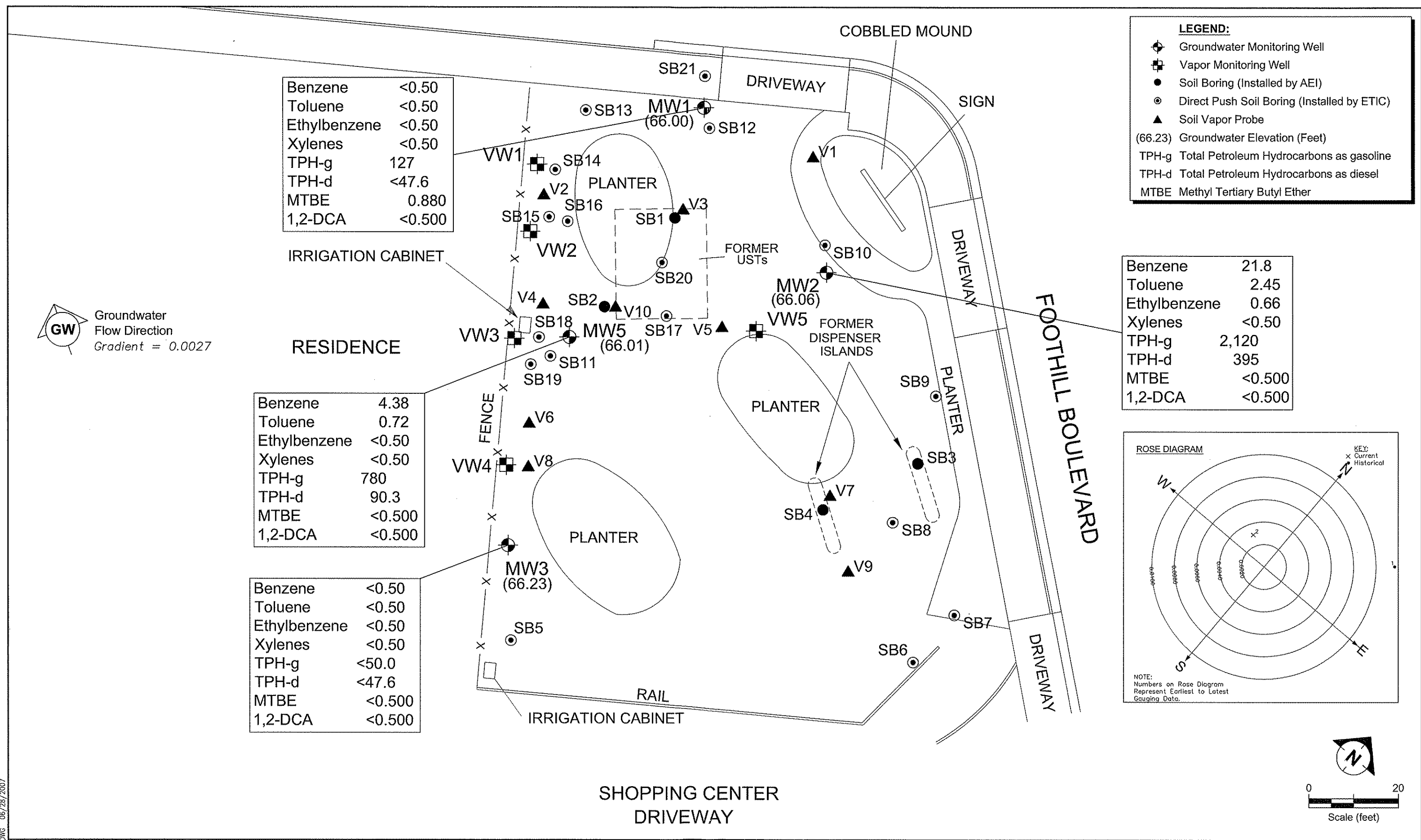
Table 3: Groundwater Monitoring Plan

Appendix A: Field Protocols

Appendix B: Field Documents

Appendix C: Laboratory Analytical Reports

Figures



FILENAME: 202007.DWG 06/28/2007



SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
 FORMER EXXON RS 7-4121
 10605 FOOTHILL BOULEVARD, OAKLAND, CALIFORNIA
 8 JUNE 2007

FIGURE:
1

Tables

TABLE 1 WELL CONSTRUCTION DETAILS, FORMER EXXON RS 7-4121, 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

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 7-4121, 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	Total Xylenes	TPH-g	TPH-d	MTBE	TBA	DIPE	ETBE	1,2-DCA	TAME	1,2-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
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
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
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

- 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.

1,2-DCA 1,2-Dichloroethane.
 1,2-EDB 1,2-Dibromoethane.
 DIPE Diisopropyl ether.
 ETBE Ethyl tertiary butyl ether.
 MTBE Methyl tertiary butyl ether analyzed by EPA Method 8260B unless otherwise indicated.
 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 7-4121, 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

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.

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

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: **FORMER EXXON 7-4121** Well No: **MW1** Date: **06-08-07**
 Project No: **UP4121.1** Personnel: **STINDER**

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)
		23.80	16.47	7.33	1	2	4	6	1.17
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method: **WATERRA** / BAILER / SUB Purge Depth: Screen Purge Rate: (gpm)

Time	09:47	09:49	09:51			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	18.6	18.5	18.4			
pH	7.06	7.00	7.01			
Spec Cond. (umhos)	1024	1055	1068			
Turbidity/Color	SILT / BROWN	SILT / BROWN	SILT / BROWN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: **10:00** 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	9	VOA	HCL	40ML		SEE COC
MW1	2	AMBER	NONE	1L		SEE COC

Total Purge Volume: **4.50** (gallons)

Disposal: **ROMIC**

Weather Conditions: **ok**

BOLTS / N

Condition of Well Box and Casing at Time of Sampling: **OK**

CAP & LOCKS / N

Well Head Conditions Requiring Correction: **NONE**

GROUT / N

Problems Encountered During Purging and Sampling: **NONE**

WELL BOX / N

Comments:

SECURED / N



Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: **FORMER EXXON 7-4121** Well No: **MW2** Date: **06-08-07**
 Project No: **UP4121.1** 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)
		24.50	18.34	6.16	X 1	2	4	6	0.98
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method: **WATERRA / BAILER / SUB** Purge Depth: _____ Screen _____ Purge Rate: _____ (gpm)

Time	10:15	10:17	10:19			
Volume Purge (gal)	1.00	2.00	3.00			
Temperature (C)	20.2	19.5	19.0			
pH	7.16	7.06	7.10			
Spec Cond. (umhos)	1076	1061	952			
Turbidity/Color	SILTY GRAY	SILTY GRAY	SILTY GRAY			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: **10:25** 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	9	VOA	HCL	40ML		SEE COC
MW2	2	AMBER	NONE	1L		SEE COC

Total Purge Volume: **3** (gallons)

Disposal: **ROMIC**

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



Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: **FORMER EXXON 7-4121** Well No: **MW3** Date: **06-08-07**
 Project No: **UP4121.1** Personnel: **BINDLER**

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)
		23.50	17.02	6.48	1	2	4	6	1.03
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method: **WATERRAY BAILER / SUB** Purge Depth: **Screen** Purge Rate: **(gpm)**

Time	11:03	11:06	11:10			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	18.7	18.5	18.1			
pH	6.96	6.91	7.07			
Spec. Cond. (umhos)	1862	1872	1729			
Turbidity/Color	SILTY / BROWN	SILTY / BROWN	SILTY / BROWN			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA

Time Sampled: **11:15** Approximate Depth to Water During Sampling: **18** (feet)

Comments:

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW3	9	VOA	HCL	40ML		SEE COC
MW3	2	AMBER	NONE	1L		SEE COC

Total Purge Volume: **4.5** (gallons) Disposal: **ROMIC**

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: **FORMER EXXON 7-4121** Well No: **MW5** Date: *06-08-07*
 Project No: **UP4121.1** 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)
		25.30	16.64	8.66	1	2	4	6	1.38
				0.04	0.16	0.64	1.44		

PURGING DATA
 Purge Method: WATERRA / BAILER / SUB Purge Depth: Screen Purge Rate: (gpm)

Time	10:39	10:41	10:43			
Volume Purge (gal)	1.50	3.00	4.50			
Temperature (C)	19.2	18.6	18.5			
pH	7.15	7.12	7.13			
Spec. Cond. (umhos)	948	975	965			
Turbidity/Color	<i>SILTY GRAY</i>	<i>SILTY GRAY</i>	<i>SILTY GRAY</i>			
Odor (Y/N)	N	N	N			
Casing Volumes	1	2	3			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

SAMPLING DATA
 Time Sampled: *10:50* 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	9	VOA	HCL	40ML		SEE COC
MW5	2	AMBER	NONE	1L		SEE COC

Total Purge Volume: *4.5* (gallons) Disposal: **ROMIC**

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

June 27, 2007

1:59:38PM

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

Work Order: NQF1512
Project Name: Exxon 7-4121
Project Nbr: 7-4121
P/O Nbr: 4508104331
Date Received: 06/13/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW1	NQF1512-01	06/08/07 10:00
MW2	NQF1512-02	06/08/07 10:25
MW3	NQF1512-03	06/08/07 11:15
MW5	NQF1512-04	06/08/07 10:15

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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

California Certification Number: 01168CA

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

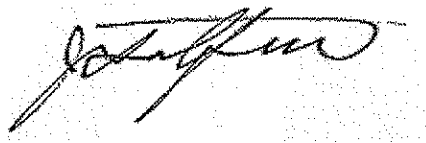
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

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: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF1512-01 (MW1 - Ground Water) Sampled: 06/08/07 10:00								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	06/21/07 04:56	SW846 8021B	7063640
Ethylbenzene	ND		ug/L	0.50	1	06/21/07 04:56	SW846 8021B	7063640
Toluene	ND		ug/L	0.50	1	06/21/07 04:56	SW846 8021B	7063640
Xylenes, total	ND		ug/L	0.50	1	06/21/07 04:56	SW846 8021B	7063640
<i>Surr: a,a,a-Trifluorotoluene (57-145%)</i>	85 %					06/21/07 04:56	SW846 8021B	7063640
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	06/22/07 02:18	SW846 8260B	7063776
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	06/22/07 02:18	SW846 8260B	7063776
1,2-Dichloroethane	ND		ug/L	0.500	1	06/22/07 02:18	SW846 8260B	7063776
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	06/22/07 02:18	SW846 8260B	7063776
Diisopropyl Ether	ND		ug/L	0.500	1	06/22/07 02:18	SW846 8260B	7063776
Methyl tert-Butyl Ether	0.880		ug/L	0.500	1	06/22/07 02:18	SW846 8260B	7063776
Tertiary Butyl Alcohol	ND	C, L	ug/L	10.0	1	06/22/07 02:18	SW846 8260B	7063776
<i>Surr: 1,2-Dichloroethane-d4 (62-142%)</i>	92 %					06/22/07 02:18	SW846 8260B	7063776
<i>Surr: Dibromofluoromethane (78-123%)</i>	98 %					06/22/07 02:18	SW846 8260B	7063776
<i>Surr: Toluene-d8 (79-120%)</i>	109 %					06/22/07 02:18	SW846 8260B	7063776
<i>Surr: 4-Bromofluorobenzene (75-133%)</i>	103 %					06/22/07 02:18	SW846 8260B	7063776
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	127		ug/L	50.0	1	06/21/07 04:56	SW846 8015B	7063640
<i>Surr: a,a,a-Trifluorotoluene (44-152%)</i>	85 %					06/21/07 04:56	SW846 8015B	7063640
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.6	1	06/21/07 18:33	SW846 8015B	7062357
<i>Surr: o-Terphenyl (33-147%)</i>	69 %					06/21/07 18:33	SW846 8015B	7062357
Sample ID: NQF1512-02 (MW2 - Ground Water) Sampled: 06/08/07 10:25								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	21.8		ug/L	0.50	1	06/21/07 05:31	SW846 8021B	7063640
Ethylbenzene	0.66		ug/L	0.50	1	06/21/07 05:31	SW846 8021B	7063640
Toluene	2.45		ug/L	0.50	1	06/21/07 05:31	SW846 8021B	7063640
Xylenes, total	ND		ug/L	0.50	1	06/21/07 05:31	SW846 8021B	7063640
<i>Surr: a,a,a-Trifluorotoluene (57-145%)</i>	88 %					06/21/07 05:31	SW846 8021B	7063640
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	06/22/07 02:42	SW846 8260B	7063776
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	06/22/07 02:42	SW846 8260B	7063776
1,2-Dichloroethane	ND		ug/L	0.500	1	06/22/07 02:42	SW846 8260B	7063776
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	06/22/07 02:42	SW846 8260B	7063776
Diisopropyl Ether	ND		ug/L	0.500	1	06/22/07 02:42	SW846 8260B	7063776
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	06/22/07 02:42	SW846 8260B	7063776
Tertiary Butyl Alcohol	10.0	H2	ug/L	10.0	1	06/23/07 22:14	SW846 8260B	7064540
<i>Surr: 1,2-Dichloroethane-d4 (62-142%)</i>	101 %					06/22/07 02:42	SW846 8260B	7063776
<i>Surr: 1,2-Dichloroethane-d4 (62-142%)</i>	85 %					06/22/07 21:32	SW846 8260B	7064322
<i>Surr: 1,2-Dichloroethane-d4 (62-142%)</i>	81 %					06/23/07 22:14	SW846 8260B	7064540

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF1512-02 (MW2 - Ground Water) - cont. Sampled: 06/08/07 10:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: Dibromofluoromethane (78-123%)	92 %					06/22/07 02:42	SW846 8260B	7063776
Surr: Dibromofluoromethane (78-123%)	92 %					06/22/07 21:32	SW846 8260B	7064322
Surr: Dibromofluoromethane (78-123%)	92 %					06/23/07 22:14	SW846 8260B	7064540
Surr: Toluene-d8 (79-120%)	110 %					06/22/07 02:42	SW846 8260B	7063776
Surr: Toluene-d8 (79-120%)	91 %					06/22/07 21:32	SW846 8260B	7064322
Surr: Toluene-d8 (79-120%)	92 %					06/23/07 22:14	SW846 8260B	7064540
Surr: 4-Bromofluorobenzene (75-133%)	102 %					06/22/07 02:42	SW846 8260B	7063776
Surr: 4-Bromofluorobenzene (75-133%)	93 %					06/22/07 21:32	SW846 8260B	7064322
Surr: 4-Bromofluorobenzene (75-133%)	95 %					06/23/07 22:14	SW846 8260B	7064540
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	2120		ug/L	50.0	1	06/21/07 05:31	SW846 8015B	7063640
Surr: a,a,a-Trifluorotoluene (44-152%)	88 %					06/21/07 05:31	SW846 8015B	7063640
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	395		ug/L	47.6	1	06/21/07 18:50	SW846 8015B	7062357
Surr: o-Terphenyl (33-147%)	69 %					06/21/07 18:50	SW846 8015B	7062357
Sample ID: NQF1512-03 (MW3 - Ground Water) Sampled: 06/08/07 11:15								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		ug/L	0.50	1	06/21/07 06:05	SW846 8021B	7063640
Ethylbenzene	ND		ug/L	0.50	1	06/21/07 06:05	SW846 8021B	7063640
Toluene	ND		ug/L	0.50	1	06/21/07 06:05	SW846 8021B	7063640
Xylenes, total	ND		ug/L	0.50	1	06/21/07 06:05	SW846 8021B	7063640
Surr: a,a,a-Trifluorotoluene (57-145%)	82 %					06/21/07 06:05	SW846 8021B	7063640
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	06/22/07 03:05	SW846 8260B	7063776
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	06/22/07 03:05	SW846 8260B	7063776
1,2-Dichloroethane	ND		ug/L	0.500	1	06/22/07 03:05	SW846 8260B	7063776
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	06/22/07 03:05	SW846 8260B	7063776
Diisopropyl Ether	ND		ug/L	0.500	1	06/22/07 03:05	SW846 8260B	7063776
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	06/22/07 03:05	SW846 8260B	7063776
Tertiary Butyl Alcohol	ND	C, L	ug/L	10.0	1	06/22/07 03:05	SW846 8260B	7063776
Surr: 1,2-Dichloroethane-d4 (62-142%)	91 %					06/22/07 03:05	SW846 8260B	7063776
Surr: Dibromofluoromethane (78-123%)	99 %					06/22/07 03:05	SW846 8260B	7063776
Surr: Toluene-d8 (79-120%)	110 %					06/22/07 03:05	SW846 8260B	7063776
Surr: 4-Bromofluorobenzene (75-133%)	101 %					06/22/07 03:05	SW846 8260B	7063776
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	50.0	1	06/21/07 06:05	SW846 8015B	7063640
Surr: a,a,a-Trifluorotoluene (44-152%)	82 %					06/21/07 06:05	SW846 8015B	7063640
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.6	1	06/21/07 19:07	SW846 8015B	7062357
Surr: o-Terphenyl (33-147%)	64 %					06/21/07 19:07	SW846 8015B	7062357

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQF1512-04 (MW5 - Ground Water) Sampled: 06/08/07 10:15								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	4.38		ug/L	0.50	1	06/21/07 06:40	SW846 8021B	7063640
Ethylbenzene	ND		ug/L	0.50	1	06/21/07 06:40	SW846 8021B	7063640
Toluene	0.72		ug/L	0.50	1	06/21/07 06:40	SW846 8021B	7063640
Xylenes, total	ND		ug/L	0.50	1	06/21/07 06:40	SW846 8021B	7063640
<i>Surr: a,a,a-Trifluorotoluene (57-145%)</i>	88 %					06/21/07 06:40	SW846 8021B	7063640
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	06/22/07 03:29	SW846 8260B	7063776
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	06/22/07 03:29	SW846 8260B	7063776
1,2-Dichloroethane	ND		ug/L	0.500	1	06/22/07 03:29	SW846 8260B	7063776
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	06/22/07 03:29	SW846 8260B	7063776
Diisopropyl Ether	ND		ug/L	0.500	1	06/22/07 03:29	SW846 8260B	7063776
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	06/22/07 03:29	SW846 8260B	7063776
Tertiary Butyl Alcohol	ND	C, L	ug/L	10.0	1	06/22/07 03:29	SW846 8260B	7063776
<i>Surr: 1,2-Dichloroethane-d4 (62-142%)</i>	95 %					06/22/07 03:29	SW846 8260B	7063776
<i>Surr: Dibromofluoromethane (78-123%)</i>	95 %					06/22/07 03:29	SW846 8260B	7063776
<i>Surr: Toluene-d8 (79-120%)</i>	110 %					06/22/07 03:29	SW846 8260B	7063776
<i>Surr: 4-Bromofluorobenzene (75-133%)</i>	104 %					06/22/07 03:29	SW846 8260B	7063776
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	780		ug/L	50.0	1	06/21/07 06:40	SW846 8015B	7063640
<i>Surr: a,a,a-Trifluorotoluene (44-152%)</i>	88 %					06/21/07 06:40	SW846 8015B	7063640
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	90.3		ug/L	47.6	1	06/21/07 19:24	SW846 8015B	7062357
<i>Surr: o-Terphenyl (33-147%)</i>	69 %					06/21/07 19:24	SW846 8015B	7062357

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

Work Order: NQF1512
Project Name: Exxon 7-4121
Project Number: 7-4121
Received: 06/13/07 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	7062357	NQF1512-01	1050.00	1.00	06/14/07 09:50	KYH	EPA 3510C
SW846 8015B	7062357	NQF1512-02	1050.00	1.00	06/14/07 09:50	KYH	EPA 3510C
SW846 8015B	7062357	NQF1512-03	1050.00	1.00	06/14/07 09:50	KYH	EPA 3510C
SW846 8015B	7062357	NQF1512-04	1050.00	1.00	06/14/07 09:50	KYH	EPA 3510C

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 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

7063640-BLK1

Benzene	<0.37		ug/L	7063640	7063640-BLK1	06/21/07 02:39
Ethylbenzene	<0.21		ug/L	7063640	7063640-BLK1	06/21/07 02:39
Toluene	<0.41		ug/L	7063640	7063640-BLK1	06/21/07 02:39
Xylenes, total	<0.44		ug/L	7063640	7063640-BLK1	06/21/07 02:39
Surrogate: <i>a,a,a-Trifluorotoluene</i>	81%			7063640	7063640-BLK1	06/21/07 02:39

Volatile Organic Compounds by EPA Method 8260B

7063776-BLK1

Tert-Amyl Methyl Ether	<0.200		ug/L	7063776	7063776-BLK1	06/22/07 01:54
1,2-Dibromoethane (EDB)	<0.320		ug/L	7063776	7063776-BLK1	06/22/07 01:54
1,2-Dichloroethane	<0.370		ug/L	7063776	7063776-BLK1	06/22/07 01:54
Ethyl tert-Butyl Ether	<0.210		ug/L	7063776	7063776-BLK1	06/22/07 01:54
Diisopropyl Ether	<0.210		ug/L	7063776	7063776-BLK1	06/22/07 01:54
Methyl tert-Butyl Ether	<0.190		ug/L	7063776	7063776-BLK1	06/22/07 01:54
Tertiary Butyl Alcohol	<4.07		ug/L	7063776	7063776-BLK1	06/22/07 01:54
Surrogate: <i>1,2-Dichloroethane-d4</i>	89%			7063776	7063776-BLK1	06/22/07 01:54
Surrogate: <i>Dibromofluoromethane</i>	98%			7063776	7063776-BLK1	06/22/07 01:54
Surrogate: <i>Toluene-d8</i>	109%			7063776	7063776-BLK1	06/22/07 01:54
Surrogate: <i>4-Bromofluorobenzene</i>	98%			7063776	7063776-BLK1	06/22/07 01:54

7064322-BLK1

Tert-Amyl Methyl Ether	<0.200		ug/L	7064322	7064322-BLK1	06/22/07 13:06
1,2-Dibromoethane (EDB)	<0.320		ug/L	7064322	7064322-BLK1	06/22/07 13:06
1,2-Dichloroethane	<0.370		ug/L	7064322	7064322-BLK1	06/22/07 13:06
Ethyl tert-Butyl Ether	<0.210		ug/L	7064322	7064322-BLK1	06/22/07 13:06
Diisopropyl Ether	<0.210		ug/L	7064322	7064322-BLK1	06/22/07 13:06
Methyl tert-Butyl Ether	<0.190		ug/L	7064322	7064322-BLK1	06/22/07 13:06
Tertiary Butyl Alcohol	<4.07		ug/L	7064322	7064322-BLK1	06/22/07 13:06
Surrogate: <i>1,2-Dichloroethane-d4</i>	92%			7064322	7064322-BLK1	06/22/07 13:06
Surrogate: <i>Dibromofluoromethane</i>	99%			7064322	7064322-BLK1	06/22/07 13:06
Surrogate: <i>Toluene-d8</i>	91%			7064322	7064322-BLK1	06/22/07 13:06
Surrogate: <i>4-Bromofluorobenzene</i>	91%			7064322	7064322-BLK1	06/22/07 13:06

7064540-BLK1

Tert-Amyl Methyl Ether	<0.200		ug/L	7064540	7064540-BLK1	06/23/07 18:52
1,2-Dibromoethane (EDB)	<0.320		ug/L	7064540	7064540-BLK1	06/23/07 18:52
1,2-Dichloroethane	<0.370		ug/L	7064540	7064540-BLK1	06/23/07 18:52
Ethyl tert-Butyl Ether	<0.210		ug/L	7064540	7064540-BLK1	06/23/07 18:52
Diisopropyl Ether	<0.210		ug/L	7064540	7064540-BLK1	06/23/07 18:52
Methyl tert-Butyl Ether	<0.190		ug/L	7064540	7064540-BLK1	06/23/07 18:52
Tertiary Butyl Alcohol	<4.07		ug/L	7064540	7064540-BLK1	06/23/07 18:52
Surrogate: <i>1,2-Dichloroethane-d4</i>	87%			7064540	7064540-BLK1	06/23/07 18:52

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
7064540-BLK1						
<i>Surrogate: Dibromofluoromethane</i>	93%			7064540	7064540-BLK1	06/23/07 18:52
<i>Surrogate: Toluene-d8</i>	90%			7064540	7064540-BLK1	06/23/07 18:52
<i>Surrogate: 4-Bromofluorobenzene</i>	93%			7064540	7064540-BLK1	06/23/07 18:52
Purgeable Petroleum Hydrocarbons						
7063640-BLK1						
GRO as Gasoline	<43.0		ug/L	7063640	7063640-BLK1	06/21/07 02:39
<i>Surrogate: a,a,a-Trifluorotoluene</i>	81%			7063640	7063640-BLK1	06/21/07 02:39
Extractable Petroleum Hydrocarbons with Silica Gel Treatment						
7062357-BLK1						
Diesel	<37.0		ug/L	7062357	7062357-BLK1	06/21/07 18:00
<i>Surrogate: o-Terphenyl</i>	74%			7062357	7062357-BLK1	06/21/07 18:00

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 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								
7063640-BS1								
Benzene	100	92.1		ug/L	92%	72 - 132	7063640	06/21/07 07:14
Ethylbenzene	100	83.1		ug/L	83%	75 - 119	7063640	06/21/07 07:14
Toluene	100	86.5		ug/L	87%	71 - 121	7063640	06/21/07 07:14
Xylenes, total	300	242		ug/L	81%	73 - 122	7063640	06/21/07 07:14
Surrogate: <i>a,a,a-Trifluorotoluene</i>	30.0	26.1			87%	57 - 145	7063640	06/21/07 07:14
Volatile Organic Compounds by EPA Method 8260B								
7063776-BS1								
Tert-Amyl Methyl Ether	50.0	52.3		ug/L	105%	68 - 134	7063776	06/22/07 00:20
1,2-Dibromoethane (EDB)	50.0	59.3		ug/L	119%	83 - 128	7063776	06/22/07 00:20
1,2-Dichloroethane	50.0	46.6		ug/L	93%	71 - 132	7063776	06/22/07 00:20
Ethyl tert-Butyl Ether	50.0	51.0		ug/L	102%	69 - 130	7063776	06/22/07 00:20
Diisopropyl Ether	50.0	49.2		ug/L	98%	70 - 128	7063776	06/22/07 00:20
Methyl tert-Butyl Ether	50.0	50.2		ug/L	100%	64 - 129	7063776	06/22/07 00:20
Tertiary Butyl Alcohol	500	891	L	ug/L	178%	45 - 171	7063776	06/22/07 00:20
Surrogate: <i>1,2-Dichloroethane-d4</i>	25.0	20.7			83%	62 - 142	7063776	06/22/07 00:20
Surrogate: <i>Dibromofluoromethane</i>	25.0	24.4			98%	78 - 123	7063776	06/22/07 00:20
Surrogate: <i>Toluene-d8</i>	25.0	27.5			110%	79 - 120	7063776	06/22/07 00:20
Surrogate: <i>4-Bromofluorobenzene</i>	25.0	24.8			99%	75 - 133	7063776	06/22/07 00:20
7064322-BS1								
Tert-Amyl Methyl Ether	50.0	53.8		ug/L	108%	68 - 134	7064322	06/22/07 11:50
1,2-Dibromoethane (EDB)	50.0	55.0		ug/L	110%	83 - 128	7064322	06/22/07 11:50
1,2-Dichloroethane	50.0	51.8		ug/L	104%	71 - 132	7064322	06/22/07 11:50
Ethyl tert-Butyl Ether	50.0	53.3		ug/L	107%	69 - 130	7064322	06/22/07 11:50
Diisopropyl Ether	50.0	53.3		ug/L	107%	70 - 128	7064322	06/22/07 11:50
Methyl tert-Butyl Ether	50.0	52.6		ug/L	105%	64 - 129	7064322	06/22/07 11:50
Tertiary Butyl Alcohol	500	732		ug/L	146%	45 - 171	7064322	06/22/07 11:50
Surrogate: <i>1,2-Dichloroethane-d4</i>	25.0	22.2			89%	62 - 142	7064322	06/22/07 11:50
Surrogate: <i>Dibromofluoromethane</i>	25.0	23.2			93%	78 - 123	7064322	06/22/07 11:50
Surrogate: <i>Toluene-d8</i>	25.0	22.8			91%	79 - 120	7064322	06/22/07 11:50
Surrogate: <i>4-Bromofluorobenzene</i>	25.0	24.5			98%	75 - 133	7064322	06/22/07 11:50
7064540-BS1								
Tert-Amyl Methyl Ether	50.0	53.5		ug/L	107%	68 - 134	7064540	06/23/07 17:36
1,2-Dibromoethane (EDB)	50.0	52.2		ug/L	104%	83 - 128	7064540	06/23/07 17:36
1,2-Dichloroethane	50.0	48.9		ug/L	98%	71 - 132	7064540	06/23/07 17:36
Ethyl tert-Butyl Ether	50.0	54.0		ug/L	108%	69 - 130	7064540	06/23/07 17:36
Diisopropyl Ether	50.0	52.1		ug/L	104%	70 - 128	7064540	06/23/07 17:36
Methyl tert-Butyl Ether	50.0	51.4		ug/L	103%	64 - 129	7064540	06/23/07 17:36
Tertiary Butyl Alcohol	500	788		ug/L	158%	45 - 171	7064540	06/23/07 17:36
Surrogate: <i>1,2-Dichloroethane-d4</i>	25.0	22.3			89%	62 - 142	7064540	06/23/07 17:36

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
7064540-BS1								
<i>Surrogate: Dibromofluoromethane</i>	25.0	23.3			93%	78 - 123	7064540	06/23/07 17:36
<i>Surrogate: Toluene-d8</i>	25.0	22.8			91%	79 - 120	7064540	06/23/07 17:36
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	24.8			99%	75 - 133	7064540	06/23/07 17:36
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
7062357-BS1								
Diesel	1000	700		ug/L	70%	38 - 123	7062357	06/21/07 18:17
<i>Surrogate: o-Terphenyl</i>	20.0	16.7			83%	33 - 147	7062357	06/21/07 18:17

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 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 8260B												
7064322-BSD1												
Tert-Amyl Methyl Ether		55.6		ug/L	50.0	111%	68 - 134	3	41	7064322		06/22/07 21:57
1,2-Dibromoethane (EDB)		54.3		ug/L	50.0	109%	83 - 128	1	31	7064322		06/22/07 21:57
1,2-Dichloroethane		50.1		ug/L	50.0	100%	71 - 132	3	28	7064322		06/22/07 21:57
Ethyl tert-Butyl Ether		53.6		ug/L	50.0	107%	69 - 130	0.6	41	7064322		06/22/07 21:57
Diisopropyl Ether		51.3		ug/L	50.0	103%	70 - 128	4	26	7064322		06/22/07 21:57
Methyl tert-Butyl Ether		49.6		ug/L	50.0	99%	64 - 129	6	27	7064322		06/22/07 21:57
Tertiary Butyl Alcohol		633		ug/L	500	127%	45 - 171	14	50	7064322		06/22/07 21:57
Surrogate: 1,2-Dichloroethane-d4		20.9		ug/L	25.0	84%	62 - 142			7064322		06/22/07 21:57
Surrogate: Dibromofluoromethane		22.4		ug/L	25.0	90%	78 - 123			7064322		06/22/07 21:57
Surrogate: Toluene-d8		23.0		ug/L	25.0	92%	79 - 120			7064322		06/22/07 21:57
Surrogate: 4-Bromofluorobenzene		23.9		ug/L	25.0	96%	75 - 133			7064322		06/22/07 21:57

Client ETIC Engineering Pleasant Hill (10236)
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 Attn Erik Appel

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 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										
7063640-MS1										
Benzene	0.0500	22.4		ug/L	20.0	112%	72 - 133	7063640	NQF1512-03	06/21/07 14:25
Ethylbenzene	ND	22.3		ug/L	20.0	111%	75 - 137	7063640	NQF1512-03	06/21/07 14:25
Toluene	ND	21.5		ug/L	20.0	107%	71 - 127	7063640	NQF1512-03	06/21/07 14:25
Xylenes, total	ND	63.3		ug/L	60.0	106%	73 - 140	7063640	NQF1512-03	06/21/07 14:25
<i>Surrogate: a,a,a-Trifluorotoluene</i>		25.9		ug/L	30.0	86%	57 - 145	7063640	NQF1512-03	06/21/07 14:25
Volatile Organic Compounds by EPA Method 8260B										
7063776-MS1										
Tert-Amyl Methyl Ether	0.730	53.7		ug/L	50.0	106%	52 - 154	7063776	NQF1459-03	06/22/07 09:47
1,2-Dibromoethane (EDB)	ND	58.1		ug/L	50.0	116%	72 - 138	7063776	NQF1459-03	06/22/07 09:47
1,2-Dichloroethane	0.980	49.3		ug/L	50.0	97%	59 - 149	7063776	NQF1459-03	06/22/07 09:47
Ethyl tert-Butyl Ether	ND	52.3		ug/L	50.0	105%	54 - 154	7063776	NQF1459-03	06/22/07 09:47
Diisopropyl Ether	ND	50.7		ug/L	50.0	101%	64 - 144	7063776	NQF1459-03	06/22/07 09:47
Methyl tert-Butyl Ether	0.390	51.5		ug/L	50.0	102%	54 - 143	7063776	NQF1459-03	06/22/07 09:47
Tertiary Butyl Alcohol	ND	919		ug/L	500	184%	35 - 208	7063776	NQF1459-03	06/22/07 09:47
<i>Surrogate: 1,2-Dichloroethane-d4</i>		21.8		ug/L	25.0	87%	62 - 142	7063776	NQF1459-03	06/22/07 09:47
<i>Surrogate: Dibromofluoromethane</i>		24.6		ug/L	25.0	98%	78 - 123	7063776	NQF1459-03	06/22/07 09:47
<i>Surrogate: Toluene-d8</i>		27.1		ug/L	25.0	109%	79 - 120	7063776	NQF1459-03	06/22/07 09:47
<i>Surrogate: 4-Bromofluorobenzene</i>		24.7		ug/L	25.0	99%	75 - 133	7063776	NQF1459-03	06/22/07 09:47
7064322-MS1										
Tert-Amyl Methyl Ether	ND	55.9		ug/L	50.0	112%	52 - 154	7064322	NQF1556-02	06/22/07 22:23
1,2-Dibromoethane (EDB)	ND	55.7		ug/L	50.0	111%	72 - 138	7064322	NQF1556-02	06/22/07 22:23
1,2-Dichloroethane	ND	50.9		ug/L	50.0	102%	59 - 149	7064322	NQF1556-02	06/22/07 22:23
Ethyl tert-Butyl Ether	ND	56.2		ug/L	50.0	112%	54 - 154	7064322	NQF1556-02	06/22/07 22:23
Diisopropyl Ether	ND	55.0		ug/L	50.0	110%	64 - 144	7064322	NQF1556-02	06/22/07 22:23
Methyl tert-Butyl Ether	0.640	50.0		ug/L	50.0	99%	54 - 143	7064322	NQF1556-02	06/22/07 22:23
Tertiary Butyl Alcohol	7.84	732		ug/L	500	145%	35 - 208	7064322	NQF1556-02	06/22/07 22:23
<i>Surrogate: 1,2-Dichloroethane-d4</i>		21.2		ug/L	25.0	85%	62 - 142	7064322	NQF1556-02	06/22/07 22:23
<i>Surrogate: Dibromofluoromethane</i>		22.8		ug/L	25.0	91%	78 - 123	7064322	NQF1556-02	06/22/07 22:23
<i>Surrogate: Toluene-d8</i>		23.4		ug/L	25.0	94%	79 - 120	7064322	NQF1556-02	06/22/07 22:23
<i>Surrogate: 4-Bromofluorobenzene</i>		24.6		ug/L	25.0	98%	75 - 133	7064322	NQF1556-02	06/22/07 22:23

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

Work Order: NQF1512
 Project Name: Exxon 7-4121
 Project Number: 7-4121
 Received: 06/13/07 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												
7063640-MSD1												
Benzene	0.0500	22.8		ug/L	20.0	114%	72 - 133	2	11	7063640	NQF1512-03	06/21/07 15:00
Ethylbenzene	ND	22.9		ug/L	20.0	114%	75 - 137	2	18	7063640	NQF1512-03	06/21/07 15:00
Toluene	ND	22.0		ug/L	20.0	110%	71 - 127	2	15	7063640	NQF1512-03	06/21/07 15:00
Xylenes, total	ND	63.9		ug/L	60.0	106%	73 - 140	0.9	14	7063640	NQF1512-03	06/21/07 15:00
<i>Surrogate: a,a,a-Trifluorotoluene</i>		25.6		ug/L	30.0	85%	57 - 145			7063640	NQF1512-03	06/21/07 15:00
Volatile Organic Compounds by EPA Method 8260B												
7063776-MSD1												
Tert-Amyl Methyl Ether	0.730	51.8		ug/L	50.0	102%	52 - 154	4	41	7063776	NQF1459-03	06/22/07 10:11
1,2-Dibromoethane (EDB)	ND	56.5		ug/L	50.0	113%	72 - 138	3	31	7063776	NQF1459-03	06/22/07 10:11
1,2-Dichloroethane	0.980	47.0		ug/L	50.0	92%	59 - 149	5	28	7063776	NQF1459-03	06/22/07 10:11
Ethyl tert-Butyl Ether	ND	50.3		ug/L	50.0	101%	54 - 154	4	41	7063776	NQF1459-03	06/22/07 10:11
Diisopropyl Ether	ND	49.2		ug/L	50.0	98%	64 - 144	3	26	7063776	NQF1459-03	06/22/07 10:11
Methyl tert-Butyl Ether	0.390	49.9		ug/L	50.0	99%	54 - 143	3	27	7063776	NQF1459-03	06/22/07 10:11
Tertiary Butyl Alcohol	ND	893		ug/L	500	179%	35 - 208	3	50	7063776	NQF1459-03	06/22/07 10:11
<i>Surrogate: 1,2-Dichloroethane-d4</i>		21.6		ug/L	25.0	86%	62 - 142			7063776	NQF1459-03	06/22/07 10:11
<i>Surrogate: Dibromofluoromethane</i>		24.4		ug/L	25.0	97%	78 - 123			7063776	NQF1459-03	06/22/07 10:11
<i>Surrogate: Toluene-d8</i>		27.4		ug/L	25.0	109%	79 - 120			7063776	NQF1459-03	06/22/07 10:11
<i>Surrogate: 4-Bromofluorobenzene</i>		24.2		ug/L	25.0	97%	75 - 133			7063776	NQF1459-03	06/22/07 10:11
7064322-MSD1												
Tert-Amyl Methyl Ether	ND	61.7		ug/L	50.0	123%	52 - 154	10	41	7064322	NQF1556-02	06/22/07 22:48
1,2-Dibromoethane (EDB)	ND	59.7		ug/L	50.0	119%	72 - 138	7	31	7064322	NQF1556-02	06/22/07 22:48
1,2-Dichloroethane	ND	54.9		ug/L	50.0	110%	59 - 149	8	28	7064322	NQF1556-02	06/22/07 22:48
Ethyl tert-Butyl Ether	ND	55.7		ug/L	50.0	111%	54 - 154	0.8	41	7064322	NQF1556-02	06/22/07 22:48
Diisopropyl Ether	ND	50.5		ug/L	50.0	101%	64 - 144	8	26	7064322	NQF1556-02	06/22/07 22:48
Methyl tert-Butyl Ether	0.640	54.6		ug/L	50.0	108%	54 - 143	9	27	7064322	NQF1556-02	06/22/07 22:48
Tertiary Butyl Alcohol	7.84	819		ug/L	500	162%	35 - 208	11	50	7064322	NQF1556-02	06/22/07 22:48
<i>Surrogate: 1,2-Dichloroethane-d4</i>		21.6		ug/L	25.0	86%	62 - 142			7064322	NQF1556-02	06/22/07 22:48
<i>Surrogate: Dibromofluoromethane</i>		23.4		ug/L	25.0	93%	78 - 123			7064322	NQF1556-02	06/22/07 22:48
<i>Surrogate: Toluene-d8</i>		23.1		ug/L	25.0	92%	79 - 120			7064322	NQF1556-02	06/22/07 22:48
<i>Surrogate: 4-Bromofluorobenzene</i>		24.0		ug/L	25.0	96%	75 - 133			7064322	NQF1556-02	06/22/07 22:48

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

Work Order: NQF1512
Project Name: Exxon 7-4121
Project Number: 7-4121
Received: 06/13/07 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

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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: NQF1512
Project Name: Exxon 7-4121
Project Number: 7-4121
Received: 06/13/07 08:00

DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- H2** Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- ND** Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

COOLER RECEIPT FORM



NQF1512

Cooler Received/Opened On 06/13/07 0800

1. Tracking # 4800 (last 4 digits, FedEx)
Courier: FedEx IR Gun ID 90943149

2. Temperature of rep. sample or temp blank when opened: 3.4 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?
If yes, how many and where: 1 front YES NO NA

5. Were the seals intact, signed, and dated correctly?
6. Were custody papers inside cooler?
YES NO NA

I certify that I opened the cooler and answered questions 1-6 (initial) HS
7. Were custody seals on containers: YES NO and intact YES NO NA

Were these signed and dated correctly?
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
YES NO NA

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

I certify that I unloaded the cooler and answered questions 7-14 (initial) HS
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?
If preservation in-house was needed, record standard ID of preservative used here WS
YES NO NA

16. Was residual chlorine present?
I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) WS
YES NO NA

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?
I certify that I entered this project into LIMS and answered questions 17-19 WS
YES NO NA

I certify that I attached a label with the unique LIMS number to each container WS
21. Were there Non-Conformance issues at login? YES NO Was a Pitted? YES NO #

TEST AMERICA SAMPLE RECEIPT LOG

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

DATE REC'D AT LAB: 6/11/07
 TIME REC'D AT LAB: 1730
 DATE LOGGED IN: _____

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <input checked="" type="radio"/> Absent Intact / Broken*								See Coc 6/11/07 A.M.
2. Chain-of-Custody Present / <input checked="" type="radio"/> Absent*								
3. Traffic Reports or Packing List: Present / <input checked="" type="radio"/> Absent								
4. Airbill: Airbill / Slicker Present / <input checked="" type="radio"/> Absent								
5. Airbill #:								
6. Sample Labels: Present / <input checked="" type="radio"/> Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / <input checked="" type="radio"/> No*								
10. Sample received within hold time? Yes / <input checked="" type="radio"/> No*								
11. Adequate sample volume received? Yes / <input checked="" type="radio"/> No*								
12. Proper preservatives used? Yes / <input checked="" type="radio"/> No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / <input checked="" type="radio"/> No*								
14. Read Temp: <u>3.2°C</u> Corrected Temp: <u>3.2°C</u> Is corrected temp 4 +/-2°C? Yes / <input checked="" type="radio"/> No**								

See Coc
6/11/07 A.M.

(Acceptance range for samples requiring thermal pres.)
 **Exception (if any): METALS / OFF ON ICE or Problem COC

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

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

Julie Hoang

Sent: Tue 6/12/2007 8:33 AM

From: Christina Woodcock
To: Andrew J. Medeiros; Fariba Farshchian; Julie Hoang; Pedro Hufano
Cc: Jim Hatfield
Subject: ETIC 7-4121 6-8_water
Attachments: ETIC 7-4121 6-8_water.pdf(119KB)

cwoodcock@testamericainc.com