ExxonMobil
Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611
510 547 8196 Telephone
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Jennifer C. Sedlachek
Project Manager

ExxonMobil

May 13, 2009

Ms. Barbara Jakub
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Exxon RAS #70234/3450 35th Avenue, Oakland, California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled ***Groundwater Monitoring Report, First Quarter 2009,*** dated May 13, 2009, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details activities for the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

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

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Groundwater Monitoring Report, First Quarter 2009, dated May 13, 2009

cc: w/ attachment
Mr. Shay Wideman, Valero Companies, Environmental Liability Management

w/o attachment
Ms. Paula Sime, Environmental Resolutions, Inc.

VALUE, QUALITY, RESPONSE

Southern California
Northern California
Central California
Pacific Northwest
New England
Southwest
Montana
Texas

May 13, 2009
ERI 247613.Q091

Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611

SUBJECT **Groundwater Monitoring Report, First Quarter 2009**
Former Exxon Service Station 70234
3450 35th Avenue, Oakland, California

RO#2515

INTRODUCTION

At the request of ExxonMobil Environmental Services Company, on behalf of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed first quarter 2009 groundwater monitoring and sampling activities at the subject site. Relevant plates, tables, and appendices are included at the end of this report. Currently, the site is vacant.

GROUNDWATER MONITORING AND SAMPLING SUMMARY

Gauging and sampling date:		03/30/09
Wells gauged and sampled:		MW4 through MW9
Presence of NAPL:		Not observed
Laboratory:		CalScience Environmental Laboratories, Inc., Garden Grove, California
Analyses performed:	EPA 8015B EPA 8260B	TPHg BTEX, MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE
Waste disposal:		72 gallons of purge and decon water delivered to Instrat, Inc., of Rio Vista, California, on 04/01/09

CONCLUSIONS

ERI installed wells MW4 through MW9 during first quarter 2009 and submitted the results of the well installation under separate cover on April 30, 2009. As requested by the ACEH, future monitoring and sampling events will be coordinated with the ConocoPhillips site at 3420 35th Avenue.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Ms. Barbara Jakub, P.G.
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Mr. Shay Wideman
The Valero Companies
Environmental Liability Management
685 West Third Street
Hanford, California 93230

LIMITATIONS

For any reports cited that were not generated by ERI, the data taken from those reports is used "as is" and is assumed to be accurate. ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these reports.

This report was prepared in accordance with generally accepted standards of environmental, geological and engineering practices in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.

Jennifer L. Lacy
Senior Staff Scientist

Geoffrey V. Waterhouse
P.G. 5919
C.H.G 334
C.E.G. 1516

Enclosures:

Acronym List

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Plate 2	Select Analytical Results
Plate 3	Groundwater Elevation Map
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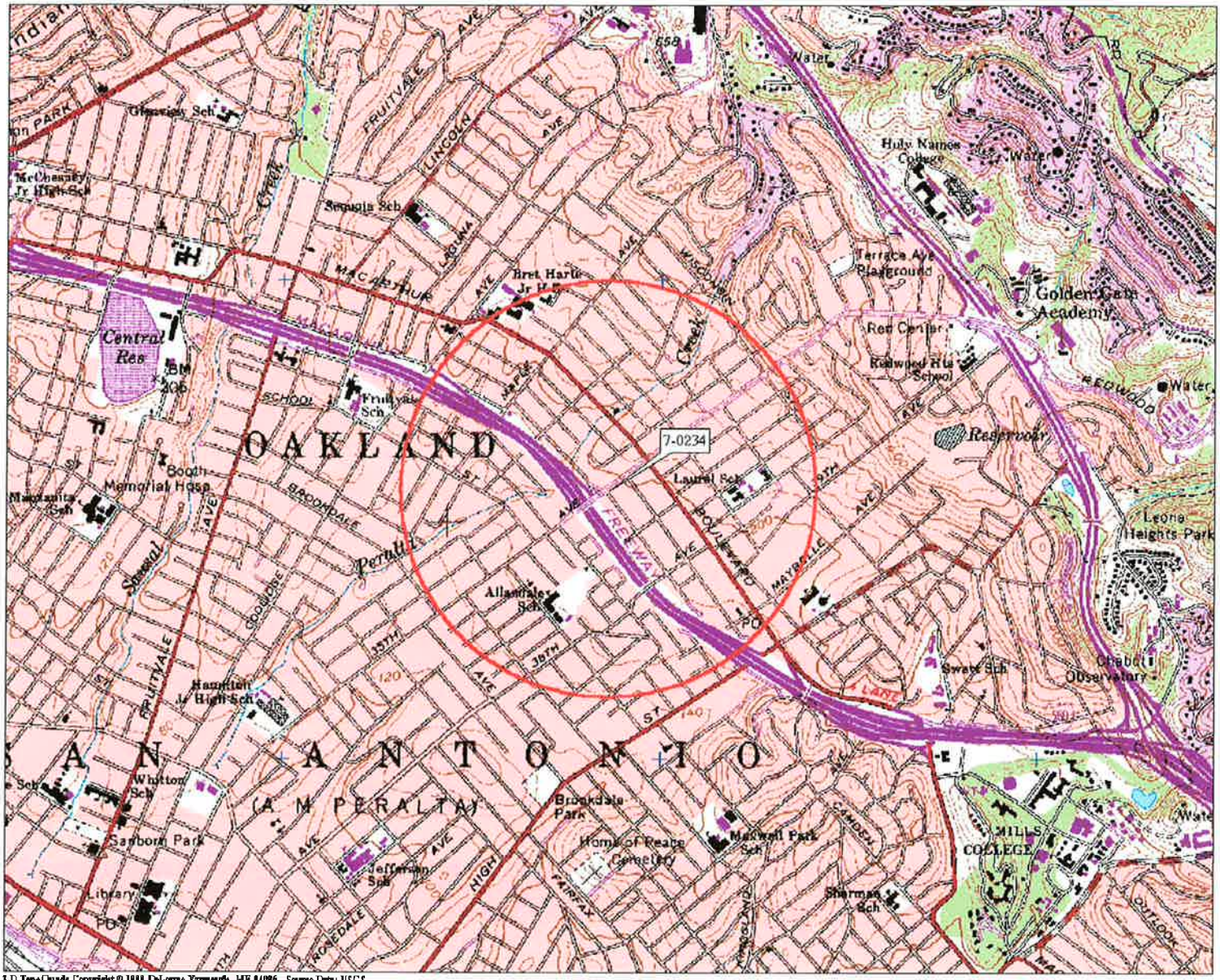
Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data
Table 2	Well Construction Details
Appendix A	Groundwater Sampling Protocol
Appendix B	Laboratory Analytical Reports and Chain-of-Custody Records
Appendix C	Waste Disposal Documentation
Appendix D	Field Data Sheets

ACRONYM LIST

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semivolatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



2476TOPO

EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

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SITE VICINITY MAP

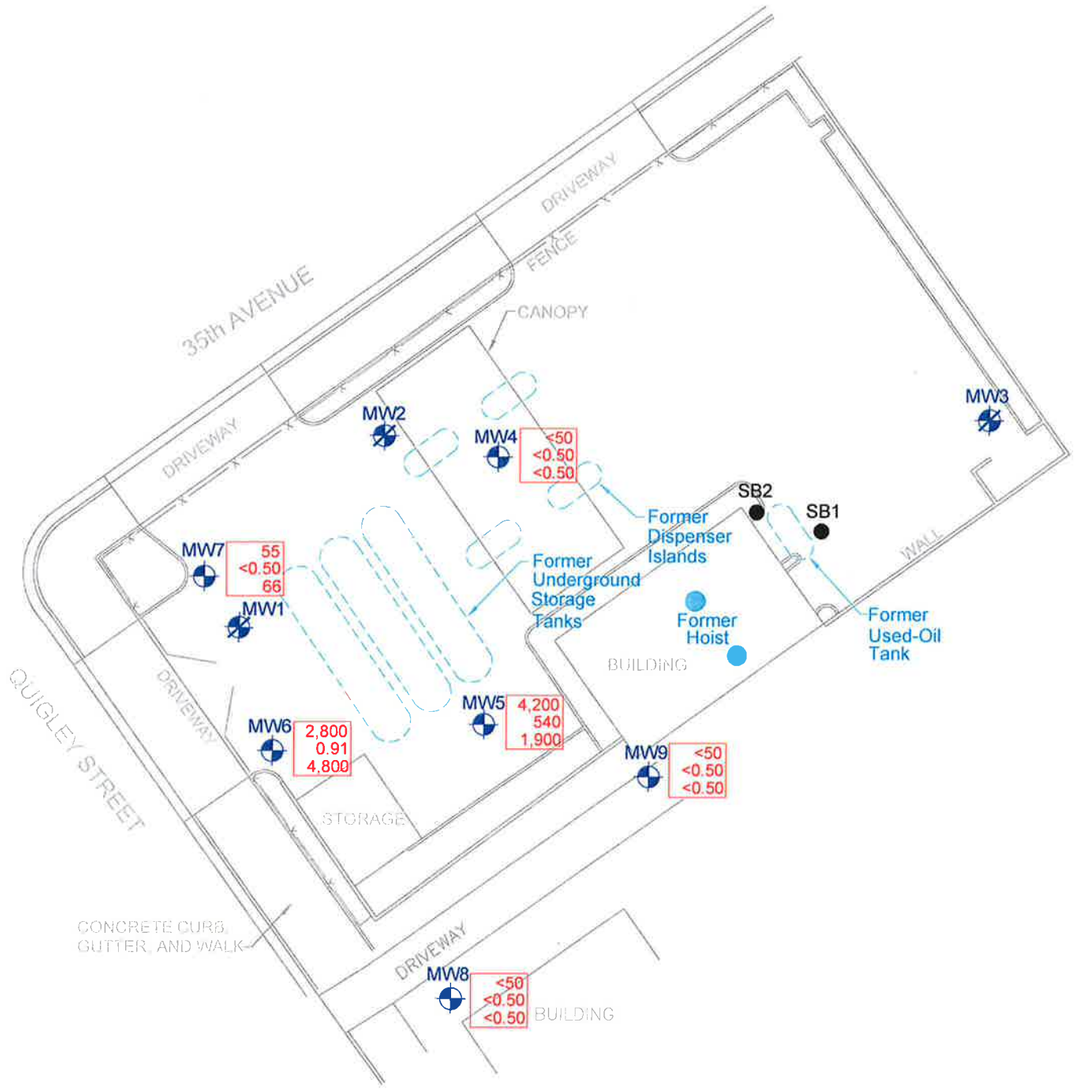
FORMER EXXON SERVICE STATION 70234
3450 35th Avenue
Oakland, California

PROJECT NO.
2476

PLATE
1

Analyte Concentrations in ug/L
Sampled March 30, 2009

4,200	Total Petroleum Hydrocarbons as gasoline
540	Benzene
1,900	Methyl Tertiary Butyl Ether
<	Less Than the Stated Laboratory Reporting Limit
ug/L	Micrograms per Liter



N

APPROXIMATE SCALE

0 30 60 Feet

FN 2476 09 1QTR QM

SOURCE: Modified from maps provided by MORROW SURVERING

ERI
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SELECT ANALYTICAL RESULTS
March 30, 2009

FORMER
EXXON SERVICE STATION 70234
3450 35th Avenue
Oakland, California

EXPLANATION

MW9 Groundwater Monitoring Well

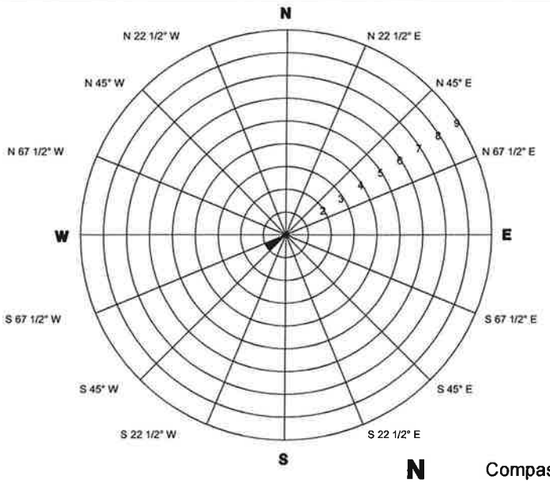
MW1 Destroyed Groundwater Monitoring Well

SB2 Soil Boring (GTI, 1986)

PROJECT NO. 2476

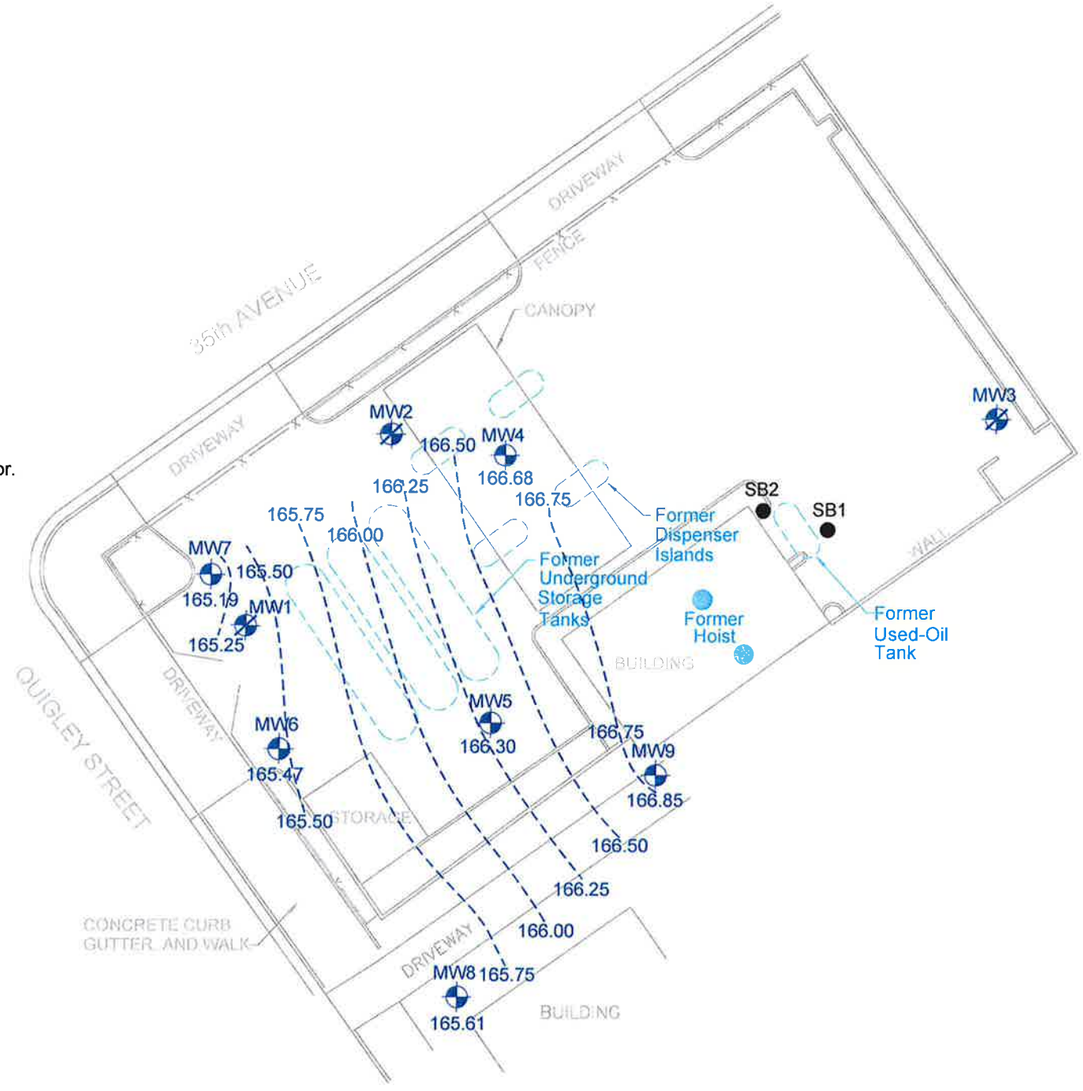
PLATE 2

P:\EXXONMOBIL\ExxonMobil Projects\022476 (702341) Oakland\2476 AutoCad\QM\2009\09 1QTR QM.dwg 5/6/2009 9:43:27 AM mkiones



N Compass Direction
1 Data Point Shown

Rose diagram developed by evaluating the hydraulic gradient direction from the quarterly monitoring data. Each circle on the rose diagram represents the number of monitoring events that the gradient plotted in that 22 1/2 degree sector.



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APPROXIMATE SCALE

0 30 60 Feet

FN 2476 09 1QTR QM

SOURCE: Modified from maps provided by MORROW SURVERING

ERI
VALUE, QUALITY, RESPONSE

GROUNDWATER ELEVATION MAP
March 30, 2009

FORMER
EXXON SERVICE STATION 70234
3450 35th Avenue
Oakland, California

EXPLANATION

MW9 — Groundwater Monitoring Well

166.85 — Groundwater elevation in feet; datum is mean sea level

MW3 — Destroyed Groundwater Monitoring Well

SB2 — Soil Boring (GTI, 1986)

166.75 – – – – Line of Equal Groundwater Elevation; datum is mean sea level

PROJECT NO. 2476

PLATE 3

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
MW1	07/15/92	---	Well installed.										
MW1	07/17/92	192.00	33.02	158.98	No	67	---	6.6	6.9	2.0	4.5	17	---
MW1	10/22/92	192.00	34.07	157.93	No	<50	---	2.9	<0.5	<0.5	<0.5	16	---
MW1	02/04/93	192.00	29.43	162.57	No	<50	---	0.8	<0.5	<0.5	<0.5	4	---
MW1	05/03/93	192.00	29.72	162.28	No	71	---	2.8	7.2	2.2	22	40	---
MW1	07/30/93	192.00	32.95	159.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	5	---
MW1	10/19/93	192.00	34.34	157.66	No	<50	---	<0.5	<0.5	<0.5	<0.5	12	---
MW1	02/23/94	192.00	31.72	160.28	No	<50	---	<0.5	<0.5	<0.5	<0.5	4	---
MW1	06/06/94	192.00	31.77	160.23	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW1	08/18/94	192.00	33.76	158.24	No	<50	---	<0.5	<0.5	<0.5	<0.5	130	---
MW1	11/15/94	192.00	34.08	157.92	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW1	02/06/95	192.00	28.50	163.50	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW1	05/10/95	192.00	29.30	162.70	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW1	09/20/99	192.00	33.30	158.70	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<50
MW1	Well destroyed in June 2000.												
MW2	07/15/92	---	Well installed.										
MW2	07/17/92	194.85	34.65	160.20	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	10/22/92	194.85	35.64	159.21	No	<50	---	<0.5	<0.5	<0.5	<0.5	--	---
MW2	02/04/93	194.85	31.13	163.72	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	05/03/93	194.85	31.08	163.77	No	<50	---	<0.5	<0.5	<0.5	<0.5	3	---
MW2	07/30/93	194.85	34.34	160.51	No	<50	---	<0.5	<0.5	<0.5	<0.5	14	---
MW2	10/19/93	194.85	36.00	158.85	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	02/23/94	194.85	33.92	160.93	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	06/06/94	194.85	33.50	161.35	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW2	08/18/94	194.85	35.38	159.47	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	---
MW2	11/15/94	194.85	35.93	158.92	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW2	02/06/95	194.85	30.38	164.47	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW2	05/10/95	194.85	30.77	164.08	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW2	09/20/99	194.85	35.15	159.70	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<75	<0.5
MW2	Well destroyed in June 2000.												
MW3	07/15/92	---	Well installed.										
MW3	07/17/92	196.90	37.24	159.66	No	<50	---	<0.5	<0.5	<0.5	<0.5	50	---
MW3	10/22/92	196.90	35.95	160.95	No	<50	---	<0.5	<0.5	<0.5	<0.5	9	---
MW3	02/04/93	196.90	29.85	167.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW3	05/03/93	196.90	29.87	167.03	No	<50	---	<0.5	<0.5	<0.5	<0.5	3	---
MW3	07/30/93	196.90	33.85	163.05	No	<50	---	<0.5	<0.5	<0.5	<0.5	22	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	Total Pb (µg/L)	Organic Pb (mg/L)
MW3	10/19/93	196.90	35.89	161.01	No	<50	---	<0.5	<0.5	<0.5	<0.5	12	---
MW3	02/23/94	196.90	32.88	164.02	No	<50	---	<0.5	<0.5	<0.5	<0.5	25	---
MW3	06/06/94	196.90	32.40	164.50	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3	---
MW3	08/18/94	196.90	35.07	161.83	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	---
MW3	11/15/94	196.90	35.97	160.93	No	<50	---	<0.5	<0.5	<0.5	<0.5	<3.0	<100
MW3	02/06/95	196.90	28.39	168.51	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW3	05/10/95	196.90	28.90	168.00	No	<50	---	<0.5	<0.5	<0.5	<0.5	---	---
MW3	09/20/99	196.90	34.68	162.22	No	75.0	1.87	<0.5	11.5	1.8	18.0	<75	<0.5
MW3	Well destroyed in June 2000.												
MW4	**03/02/09**	**---**	**Well installed.**										
MW4	**03/30/09**	**197.62**	**30.94**	**166.68**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**	**---**
MW4	**04/02/09**	**197.62**	**Well surveyed.**										
MW5	**03/06/09**	**---**	**Well installed.**										
MW5	**03/30/09**	**196.35**	**30.05**	**166.30**	**No**	**4,200**	**1,900**	**540**	**140**	**<12**	**310**	**---**	**---**
MW5	**04/02/09**	**169.35**	**Well surveyed.**										
MW6	**03/09/09**	**---**	**Well installed.**										
MW6	**03/30/09**	**192.41**	**26.94**	**165.47**	**No**	**2,800**	**4,800**	**0.91**	**<0.50**	**<0.50**	**<0.50**	**---**	**---**
MW6	**04/02/09**	**192.41**	**Well surveyed.**										
MW7	**03/09/09**	**---**	**Well installed.**										
MW7	**03/30/09**	**194.34**	**29.15**	**165.19**	**No**	**55**	**66**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**	**---**
MW7	**04/02/09**	**194.34**	**Well surveyed.**										
MW8	**03/04/09**	**---**	**Well installed.**										
MW8	**03/30/09**	**192.96**	**27.35**	**165.61**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**	**---**
MW8	**04/02/09**	**192.96**	**Well surveyed.**										
MW9	**03/05/09**	**---**	**Well installed.**										
MW9	**03/30/09**	**195.16**	**28.31**	**166.85**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**	**---**
MW9	**04/02/09**	**195.16**	**Well surveyed.**										

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Notes:		Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports.
TOC Elev.	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020.
Total Pb	=	Total lead analyzed using EPA Method 6010.
Organic Pb	=	Organic lead analyzed using CA DHS LUFT method.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not analyzed/Not measured/Not sampled.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Sampling Date	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)
MW1	07/17/92 - 09/20/99	Not analyzed for these analytes.					
MW1	Well destroyed in June 2000.						
MW2	07/17/92 - 09/20/99	Not analyzed for these analytes.					
MW2	Well destroyed in June 2000.						
MW3	07/17/92 - 09/20/99	Not analyzed for these analytes.					
MW3	Well destroyed in June 2000.						
MW4	**03/30/09**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**
MW5	**03/30/09**	**<12**	**17**	**<12**	**450**	**<12**	**<12**
MW6	**03/30/09**	**<0.50**	**<0.50**	**1.3**	**410**	**<0.50**	**0.82**
MW7	**03/30/09**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**
MW8	**03/30/09**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**
MW9	**03/30/09**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Notes:		Data prior to 1999 provided by EA Environmental Science and Engineering in previously submitted reports.
TOC Elev.	=	Top of well casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020.
Total Pb	=	Total lead analyzed using EPA Method 6010.
Organic Pb	=	Organic lead analyzed using CA DHS LUFT method.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not analyzed/Not measured/Not sampled.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 70234
3450 35th Avenue
Oakland, California

Well ID	Well Installation Date	Well Destruction Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
MW1	07/15/92	Jun-00	192.00	11	45	45	4	Schedule 40 PVC	25-45	0.010	23-45	2/12 Lonestar Sand
MW2	07/15/92	Jun-00	194.85	11	45	45	4	Schedule 40 PVC	25-45	0.010	23-45	2/12 Lonestar Sand
MW3	07/15/92	Jun-00	196.90	11	45	45	4	Schedule 40 PVC	25-45	0.010	23-45	2/12 Lonestar Sand
MW4	03/02/09	---	197.62	8	45	45	2	PVC	35-45	0.2	33-45	#3 Sand
MW5	03/06/09	---	196.35	8	40	40	2	PVC	30-40	0.2	28-40	#3 Sand
MW6	03/09/09	---	192.41	8	40	39	2	PVC	29-39	0.2	27-39	#3 Sand
MW7	03/09/09	---	194.34	8	40	40	2	PVC	30-40	0.2	28-40	#3 Sand
MW8	03/04/09	---	192.96	8	40	40	2	PVC	30-40	0.2	28-40	#3 Sand
MW9	03/05/09	---	195.16	8	40	40	2	PVC	30-40	0.2	28-40	#3 Sand

Notes:
TOC = Top of well casing elevation; datum is mean sea level.
PVC = Polyvinyl chloride.
feet bgs = feet below ground surface.

APPENDIX A

GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples." The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

r	=	radius of the well casing in feet
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples." Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials, 1,000-ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the Chain-of-Custody record.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain-of-Custody record, to a California state-certified laboratory.

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

Calscience
Environmental
Laboratories, Inc.

April 13, 2009

RECEIVED
APR 15 2009
BY:----------

Paula Sime
Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Subject: **Calscience Work Order No.: 09-04-0026**
Client Reference: ExxonMobil 70234

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/1/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Cecile L deGuia

Calscience Environmental
Laboratories, Inc.
Cecile deGuia
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 04/01/09
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 70234

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW4	**09-04-0026-2-E**	**03/30/09 13:55**	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09 15:25**	**090406B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	107	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW5	**09-04-0026-3-E**	**03/30/09 14:17**	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09 14:45**	**090406B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	4200	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	120	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW6	**09-04-0026-4-E**	**03/30/09 14:45**	**Aqueous**	**GC 18**	**04/06/09**	**04/07/09 00:17**	**090406B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2800	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	112	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW7	**09-04-0026-5-E**	**03/30/09 14:07**	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09 17:38**	**090406B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	55	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	106	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 04/01/09
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 70234

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW8	**09-04-0026-6-E**	**03/30/09 15:10**	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09 18:11**	**090406B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	109	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW9	**09-04-0026-7-E**	**03/30/09 15:25**	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09 18:45**	**090406B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	108	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-3,091**	**N/A**	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09 11:48**	**090406B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	103	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 04/01/09
Work Order No: 09-04-0026
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70234

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW4	**09-04-0026-2-A**	**03/30/09 13:55**	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09 19:22**	**090402L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	110	73-145			1,4-Bromofluorobenzene	81	74-110		
Dibromofluoromethane	115	81-135			Toluene-d8	95	83-119		

MW5	**09-04-0026-3-B**	**03/30/09 14:17**	**Aqueous**	**GC/MS BB**	**04/09/09**	**04/10/09 04:45**	**090409L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	540	12	25		Diisopropyl Ether (DIPE)	ND	12	25	
Toluene	140	12	25		Ethyl-t-Butyl Ether (ETBE)	ND	12	25	
Ethylbenzene	ND	12	25		Tert-Amyl-Methyl Ether (TAME)	ND	12	25	
Xylenes (total)	310	12	25		1,2-Dibromoethane	ND	12	25	
Methyl-t-Butyl Ether (MTBE)	1900	100	200		1,2-Dichloroethane	17	12	25	
Tert-Butyl Alcohol (TBA)	450	120	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	110	73-145			1,4-Bromofluorobenzene	95	74-110		
Dibromofluoromethane	110	81-135			Toluene-d8	101	83-119		

MW6	**09-04-0026-4-A**	**03/30/09 14:45**	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09 20:17**	**090402L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.91	0.50	1		Diisopropyl Ether (DIPE)	0.82	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	1.3	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	4800	100	200		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	410	250	50						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	95	73-145			1,4-Bromofluorobenzene	90	74-110		
Dibromofluoromethane	101	81-135			Toluene-d8	98	83-119		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	04/01/09
601 North McDowell Blvd.	Work Order No:	09-04-0026
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 70234

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW7	**09-04-0026-5-A**	**03/30/09 14:07**	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09 20:45**	**090402L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	66	2.0	4		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	94	73-145		1,4-Bromofluorobenzene	85	74-110	
Dibromofluoromethane	98	81-135		Toluene-d8	90	83-119	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW8	**09-04-0026-6-A**	**03/30/09 15:10**	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09 21:12**	**090402L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	105	73-145		1,4-Bromofluorobenzene	81	74-110	
Dibromofluoromethane	115	81-135		Toluene-d8	94	83-119	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW9	**09-04-0026-7-A**	**03/30/09 15:25**	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09 21:39**	**090402L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,2-Dichloroethane-d4	97	73-145		1,4-Bromofluorobenzene	80	74-110	
Dibromofluoromethane	103	81-135		Toluene-d8	94	83-119	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 04/01/09
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B
	Units: ug/L
Project: ExxonMobil 70234	Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-89**	**N/A**	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09 13:54**	**090402L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	104	73-145			1,4-Bromofluorobenzene	80	74-110		
Dibromofluoromethane	109	81-135			Toluene-d8	99	83-119		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-92**	**N/A**	**Aqueous**	**GC/MS L**	**04/03/09**	**04/03/09 17:51**	**090403L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-145			1,4-Bromofluorobenzene	78	74-110		
Dibromofluoromethane	109	81-135			Toluene-d8	96	83-119		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-96**	**N/A**	**Aqueous**	**GC/MS L**	**04/06/09**	**04/06/09 10:23**	**090406L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	124	73-145			1,4-Bromofluorobenzene	76	74-110		
Dibromofluoromethane	113	81-135			Toluene-d8	97	83-119		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	04/01/09
601 North McDowell Blvd.	Work Order No:	09-04-0026
Petaluma, CA 94954-2312	Preparation:	EPA 5030B
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 70234		Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-99**	**N/A**	**Aqueous**	**GC/MS BB**	**04/09/09**	**04/10/09 00:51**	**090409L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-145			1,4-Bromofluorobenzene	94	74-110		
Dibromofluoromethane	105	81-135			Toluene-d8	99	83-119		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-100**	**N/A**	**Aqueous**	**GC/MS BB**	**04/10/09**	**04/10/09 12:51**	**090410L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Toluene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		1,2-Dibromoethane	ND	0.50	1	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1		1,2-Dichloroethane	ND	0.50	1	
Tert-Butyl Alcohol (TBA)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-145			1,4-Bromofluorobenzene	94	74-110		
Dibromofluoromethane	105	81-135			Toluene-d8	92	83-119		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 04/01/09
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0349-5	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09**	**090406S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	92	86	68-122	7	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 04/01/09
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B

Project ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-03-2295-14	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09**	**090402S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	100	86-122	1	0-8	
Toluene	98	100	85-127	2	0-12	
Ethylbenzene	107	104	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	83	88	64-136	7	0-28	
Tert-Butyl Alcohol (TBA)	76	77	27-183	2	0-60	
Diisopropyl Ether (DIPE)	79	81	78-126	3	0-16	
Ethyl-t-Butyl Ether (ETBE)	73	76	67-133	4	0-21	
Tert-Amyl-Methyl Ether (TAME)	84	88	63-141	4	0-21	
Ethanol	59	70	11-167	17	0-64	
1,1-Dichloroethene	94	96	52-142	3	0-23	
1,2-Dibromoethane	98	98	70-130	1	0-30	
1,2-Dichlorobenzene	91	93	89-119	2	0-10	
Carbon Tetrachloride	103	103	78-138	0	0-9	
Chlorobenzene	106	104	90-120	2	0-9	
Trichloroethene	93	94	78-126	1	0-10	
Vinyl Chloride	94	97	56-140	4	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 04/01/09
Work Order No: 09-04-0026
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0125-7	**Aqueous**	**GC/MS L**	**04/03/09**	**04/03/09**	**090403S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	98	86-122	2	0-8	
Toluene	96	102	85-127	6	0-12	
Ethylbenzene	99	111	70-130	11	0-30	
Methyl-t-Butyl Ether (MTBE)	88	87	64-136	2	0-28	
Tert-Butyl Alcohol (TBA)	75	73	27-183	2	0-60	
Diisopropyl Ether (DIPE)	94	93	78-126	1	0-16	
Ethyl-t-Butyl Ether (ETBE)	90	90	67-133	0	0-21	
Tert-Amyl-Methyl Ether (TAME)	92	97	63-141	6	0-21	
Ethanol	59	35	11-167	52	0-64	
1,1-Dichloroethene	92	92	52-142	0	0-23	
1,2-Dibromoethane	90	94	70-130	4	0-30	
1,2-Dichlorobenzene	98	99	89-119	1	0-10	
Carbon Tetrachloride	98	98	78-138	0	0-9	
Chlorobenzene	90	96	90-120	6	0-9	
Trichloroethene	93	91	78-126	3	0-10	
Vinyl Chloride	101	101	56-140	0	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 04/01/09
Work Order No: 09-04-0026
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0268-5	**Aqueous**	**GC/MS L**	**04/06/09**	**04/06/09**	**090406S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	98	86-122	4	0-8	
Carbon Tetrachloride	105	101	78-138	3	0-9	
Chlorobenzene	102	100	90-120	1	0-9	
1,2-Dibromoethane	99	99	70-130	0	0-30	
1,2-Dichlorobenzene	100	101	89-119	1	0-10	
1,1-Dichloroethene	87	91	52-142	4	0-23	
Ethylbenzene	115	113	70-130	2	0-30	
Toluene	106	101	85-127	5	0-12	
Trichloroethene	91	96	78-126	5	0-10	
Vinyl Chloride	103	107	56-140	3	0-21	
Methyl-t-Butyl Ether (MTBE)	86	95	64-136	9	0-28	
Tert-Butyl Alcohol (TBA)	75	77	27-183	3	0-60	
Diisopropyl Ether (DIPE)	85	97	78-126	13	0-16	
Ethyl-t-Butyl Ether (ETBE)	92	95	67-133	3	0-21	
Tert-Amyl-Methyl Ether (TAME)	101	97	63-141	4	0-21	
Ethanol	80	72	11-167	11	0-64	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 04/01/09
Work Order No: 09-04-0026
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0260-1	**Aqueous**	**GC/MS BB**	**04/09/09**	**04/10/09**	**090409S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	107	86-122	1	0-8	
Toluene	97	99	85-127	3	0-12	
Ethylbenzene	99	100	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	98	99	64-136	1	0-28	
Tert-Butyl Alcohol (TBA)	101	97	27-183	4	0-60	
Diisopropyl Ether (DIPE)	102	104	78-126	2	0-16	
Ethyl-t-Butyl Ether (ETBE)	96	98	67-133	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	88	90	63-141	2	0-21	
Ethanol	106	110	11-167	3	0-64	
1,1-Dichloroethene	105	109	52-142	3	0-23	
1,2-Dibromoethane	97	98	70-130	1	0-30	
1,2-Dichlorobenzene	101	103	89-119	1	0-10	
Carbon Tetrachloride	106	107	78-138	1	0-9	
Chlorobenzene	102	103	90-120	1	0-9	
Trichloroethene	101	102	78-126	1	0-10	
Vinyl Chloride	105	110	56-140	5	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 04/01/09
Work Order No: 09-04-0026
Preparation: EPA 5030B
Method: EPA 8260B

Project ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-04-0519-1	**Aqueous**	**GC/MS BB**	**04/10/09**	**04/10/09**	**090410S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	107	86-122	0	0-8	
Carbon Tetrachloride	108	109	78-138	1	0-9	
Chlorobenzene	104	104	90-120	0	0-9	
1,2-Dibromoethane	95	101	70-130	5	0-30	
1,2-Dichlorobenzene	102	104	89-119	2	0-10	
1,1-Dichloroethene	110	111	52-142	1	0-23	
Ethylbenzene	101	101	70-130	0	0-30	
Toluene	98	103	85-127	6	0-12	
Trichloroethene	102	103	78-126	1	0-10	
Vinyl Chloride	105	109	56-140	3	0-21	
Methyl-t-Butyl Ether (MTBE)	96	106	64-136	10	0-28	
Tert-Butyl Alcohol (TBA)	104	99	27-183	6	0-60	
Diisopropyl Ether (DIPE)	101	107	78-126	6	0-16	
Ethyl-t-Butyl Ether (ETBE)	95	103	67-133	8	0-21	
Tert-Amyl-Methyl Ether (TAME)	87	95	63-141	9	0-21	
Ethanol	126	105	11-167	19	0-64	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8015B (M)

Project: ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-3,091	**Aqueous**	**GC 18**	**04/06/09**	**04/06/09**	**090406B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	90	93	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-04-0026
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-89	**Aqueous**	**GC/MS L**	**04/02/09**	**04/02/09**	**090402L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	97	87-117	82-122	2	0-7	
Toluene	92	96	85-127	78-134	4	0-7	
Ethylbenzene	93	100	80-120	73-127	8	0-20	
Methyl-t-Butyl Ether (MTBE)	91	87	67-133	56-144	4	0-16	
Tert-Butyl Alcohol (TBA)	79	85	34-154	14-174	7	0-19	
Diisopropyl Ether (DIPE)	81	80	80-122	73-129	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	80	76	73-127	64-136	4	0-11	
Tert-Amyl-Methyl Ether (TAME)	91	87	69-135	58-146	4	0-12	
Ethanol	36	50	34-124	19-139	33	0-44	
1,1-Dichloroethene	93	92	71-131	61-141	1	0-14	
1,2-Dibromoethane	97	97	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	93	93	88-118	83-123	1	0-8	
Carbon Tetrachloride	100	100	78-132	69-141	0	0-8	
Chlorobenzene	96	100	88-118	83-123	4	0-8	
Trichloroethene	96	94	85-121	79-127	2	0-11	
Vinyl Chloride	92	94	64-136	52-148	2	0-10	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

Environmental Resolutions, Inc.		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	09-04-0026
Petaluma, CA 94954-2312		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-12-884-92	Aqueous	GC/MS L	04/03/09	03APR009.rr	090403L01

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	ME CL	Qualifiers
Benzene	10.0	9.87	99	87-117	82-122	
Toluene	10.0	9.43	94	85-127	78-134	
Ethylbenzene	10.0	9.87	99	80-120	73-127	
Methyl-t-Butyl Ether (MTBE)	10.0	9.52	95	67-133	56-144	
Tert-Butyl Alcohol (TBA)	50.0	36.3	73	34-154	14-174	
Diisopropyl Ether (DIPE)	10.0	9.50	95	80-122	73-129	
Ethyl-t-Butyl Ether (ETBE)	10.0	9.14	91	73-127	64-136	
Tert-Amyl-Methyl Ether (TAME)	10.0	9.42	94	69-135	58-146	
Ethanol	100	44.5	44	34-124	19-139	
1,1-Dichloroethene	10.0	9.88	99	71-131	61-141	
1,2-Dibromoethane	10.0	9.80	98	80-120	73-127	
1,2-Dichlorobenzene	10.0	9.94	99	88-118	83-123	
Carbon Tetrachloride	10.0	9.92	99	78-132	69-141	
Chlorobenzene	10.0	8.99	90	88-118	83-123	
Trichloroethene	10.0	9.53	95	85-121	79-127	
Vinyl Chloride	10.0	10.1	101	64-136	52-148	

Total number of LCS compounds : 16
Total number of ME compounds: 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B

Project: ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-96	**Aqueous**	**GC/MS L**	**04/06/09**	**04/06/09**	**090406L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	102	87-117	82-122	4	0-7	
Toluene	97	103	85-127	78-134	6	0-7	
Ethylbenzene	111	110	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	85	91	67-133	56-144	7	0-16	
Tert-Butyl Alcohol (TBA)	75	76	34-154	14-174	1	0-19	
Diisopropyl Ether (DIPE)	95	95	80-122	73-129	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	90	91	73-127	64-136	1	0-11	
Tert-Amyl-Methyl Ether (TAME)	93	102	69-135	58-146	9	0-12	
Ethanol	63	41	34-124	19-139	42	0-44	
1,1-Dichloroethene	91	87	71-131	61-141	4	0-14	
1,2-Dibromoethane	95	95	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	101	101	88-118	83-123	0	0-8	
Carbon Tetrachloride	99	99	78-132	69-141	0	0-8	
Chlorobenzene	98	97	88-118	83-123	1	0-8	
Trichloroethene	96	94	85-121	79-127	1	0-11	
Vinyl Chloride	104	101	64-136	52-148	3	0-10	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: N/A
Work Order No: 09-04-0026
Preparation: EPA 5030B
Method: EPA 8260B

Project: ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-99	**Aqueous**	**GC/MS BB**	**04/09/09**	**04/09/09**	**090409L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	113	106	87-117	82-122	6	0-7	
Toluene	103	97	85-127	78-134	6	0-7	
Ethylbenzene	106	100	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	108	100	67-133	56-144	8	0-16	
Tert-Butyl Alcohol (TBA)	97	93	34-154	14-174	4	0-19	
Diisopropyl Ether (DIPE)	113	106	80-122	73-129	6	0-8	
Ethyl-t-Butyl Ether (ETBE)	107	99	73-127	64-136	7	0-11	
Tert-Amyl-Methyl Ether (TAME)	99	90	69-135	58-146	9	0-12	
Ethanol	114	108	34-124	19-139	5	0-44	
1,1-Dichloroethene	116	109	71-131	61-141	6	0-14	
1,2-Dibromoethane	102	96	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	109	103	88-118	83-123	6	0-8	
Carbon Tetrachloride	115	109	78-132	69-141	6	0-8	
Chlorobenzene	109	104	88-118	83-123	5	0-8	
Trichloroethene	115	107	85-121	79-127	7	0-11	
Vinyl Chloride	123	113	64-136	52-148	9	0-10	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Environmental Resolutions, Inc.	Date Received: N/A
601 North McDowell Blvd.	Work Order No: 09-04-0026
Petaluma, CA 94954-2312	Preparation: EPA 5030B
	Method: EPA 8260B

Project: ExxonMobil 70234

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-100	**Aqueous**	**GC/MS BB**	**04/10/09**	**04/10/09**	**090410L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	105	104	87-117	82-122	1	0-7	
Toluene	102	102	85-127	78-134	0	0-7	
Ethylbenzene	101	97	80-120	73-127	3	0-20	
Methyl-t-Butyl Ether (MTBE)	93	96	67-133	56-144	3	0-16	
Tert-Butyl Alcohol (TBA)	99	100	34-154	14-174	1	0-19	
Diisopropyl Ether (DIPE)	100	102	80-122	73-129	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	93	96	73-127	64-136	4	0-11	
Tert-Amyl-Methyl Ether (TAME)	86	89	69-135	58-146	3	0-12	
Ethanol	116	118	34-124	19-139	2	0-44	
1,1-Dichloroethene	107	105	71-131	61-141	2	0-14	
1,2-Dibromoethane	93	94	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	100	100	88-118	83-123	1	0-8	
Carbon Tetrachloride	103	102	78-132	69-141	1	0-8	
Chlorobenzene	102	101	88-118	83-123	1	0-8	
Trichloroethene	103	101	85-121	79-127	2	0-11	
Vinyl Chloride	114	114	64-136	52-148	0	0-10	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-04-0026

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
I	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CHAIN OF CUSTODY RECORD

0026

Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
TEL: (714) 895-5494
FAX: (714) 894-7501

ExxonMobil

Shipping Method: ☑ Lab Courier ☐ Hand Deliver ☐ Commercial Express ☐ Other:

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Boulevard
City/State/Zip: Petaluma, California 94954
Project Manager: Paula Sime
Telephone Number: (707) 766-2000
ERI Job Number: 247613X
Sampler Name: (Print) Jose Salgado
Sampler Signature:

ExxonMobil Engineer: Jennifer C. Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4510813934
Facility ID #: 70234
Global ID#: T06019757161
Site Address: 3450 35th Avenue
City, State Zip: Oakland, California

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L.

	Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHg 8015B	BTEX 8260B	MTBE 8260B	Oxygenates 8260B
1	QCBB	3-30	1757			HCl	2 VOAs	X			H	O	L	D
2	MW4		1355			HCl	6 VOAs	X			X	X	X	X
3	MW5		1417			HCl	6 VOAs	X			X	X	X	X
4	MW6		1445			HCl	6 VOAs	X			X	X	X	X
5	MW7		1407			HCl	6 VOAs	X			X	X	X	X
6	MW8		1510			HCl	6 VOAs	X			X	X	X	X
7	MW9		1525			HCl	6 VOAs	X			X	X	X	X

Relinquished by: ISAAC INMAN Date 3/30/09 Time 1757 Received by: Tara Malley CEL Time 1112 3/31/09

Relinquished by: Date 3-31-09 Time 1730 Received by: Time 4/1/09 1030

6505115663 91

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-04-0[0][2][6]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI

DATE: 4/1/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.2 °C - 0.2 °C (CF) = 2.0 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only Initial: WS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: WS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: AM

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____ **Sludge/Other:** ☐_____ Checked/Labeled by: AM

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) Reviewed by: AM

Preservative: h: HCL n: HNO3 na_2:$Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH Scanned by: AM

APPENDIX C

WASTE DISPOSAL DOCUMENTATION

Q091

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. EM-70234

2. Page 1 of 1

3. Generator's Name and Mailing Address EM-70234
3450 35th Ave.
Oakland, CA.

ERI # 2476

4. Generator's Phone ( )

5. Transporter 1 Company Name: ERI.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone (707) 766-2024

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Instrat
1109 C Airport Rd.
Rio Vista, CA

10. US EPA ID Number
CAD009150599.

E. State Facility's ID

F. Facility's Phone (707) 374-3834

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Haz purge water.	1	Poly.	72	GAL.
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Colors - Brown
Odors - ~~E~~
Solids - ~~S~~

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Jose Salgado		4	1	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Instrat.

Printed/Typed Name	Signature	Date Month	Day	Year
Matt. Belcher		4	1	09

NON-HAZARDOUS WASTE

APPENDIX D

FIELD DATA SHEETS

ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER MONITORING AND SAMPLING FIELD WORK REQUEST

Site #:	70234	ERI Project # :	247613X
Address:	3450 35th Avenue	Date:	3/30/2009
City:	Oakland	Project Manager:	Paula

WORK REQUESTED

The site is a closed station. There is no water or electricity available at the site. BEWARE of very soft gravel backfill where the USTs were removed. Avoid driving and/or walking in the soft gravel as much as possible.

Perform groundwater monitoring and sampling at the above-referenced site in accordance with ERI and ExxonMobil procedures. The applicable wells for this event, the sampling order, and the necessary container types are listed below. Collect a bailer blank and hold analyses. Purge water needs to be transported to Instrat. The gate combination is 3832. Wells MW8 and MW9 are located on the adjacent property. MW8 is in the lawn and MW9 is in the driveway. Please be aware of parking restrictions along Quigley.

During the March 30th sampling event, please pump the water out of the 10 drums lined up immediately in front of the station building, containing decon and purge water. Please consolidate remaining sediments into drums as needed. Please relabel the drums and make a note of how many drums are left empty and how many have remaning silt and soil.

Sampling Order:

Well	DTW	Sample	Containers
MW4	Y	Y	6 VOAs with HCl
MW7	Y	Y	6 VOAs with HCl
MW8	Y	Y	6 VOAs with HCl
MW9	Y	Y	6 VOAs with HCl
MW5	Y	Y	6 VOAs with HCl
MW6	Y	Y	6 VOAs with HCl

SEE ELECTRONIC FWR FOR BILLING INFORMATION

73 Digital Drive, Suite 100, Novato, California 94949 415.382.9105 FAX 415.382.1856
Irvine - Novato - Seattle

DAILY FIELD REPORT

ENVIRONMENTAL RESOLUTIONS, INC.

PROJECT: 70234 JOB # + ACTIVITY: 2476 BX

SUBJECT: QM DATE: 3/30/09

EQUIPMENT USED: SHEET: 1 OF 1

NAME: ISAAC WORAM PROJECT MNGR: PAULA

ONSITE 1145 SAFETY SUNNY, WARM

OPENED WELLS MW8, MW9, MW6

DTW MW8, MW9, MW6

PURGED + SAMPLED WELLS MW8, MW9, MW6

OFFSITE 1627

PURGED 18 GAL

DECON 15 GAL

TOTAL 33 GAL

DAILY FIELD REPORT

Environmental Resolutions, Inc.

PROJECT: 70234 JOB # + ACTIVITY: 2476 13X

SUBJECT: 1m. DATE: 3-30-09

EQUIPMENT USED: SHEET: 1 OF 1

NAME: Jose S. PROJECT MNGR: Paula

Onsite 1130 Safety Sunny

Open AM wells MW4, MW7, MW5

OTH AM wells

purge & Sampled

THEN Open 10 drums & pumped Out H20
Put All Sludge in One drum. (30 gal of sludge)
purge 34
Decon 15
Total 49

400 gal From drums.

OFFSite 430pm

WATER SAMPLING SITE STATUS

Date: 3/30/09

Inspected by: I - INGRAM

ERI Job Number 2976 Station No. 7023Y Site Address: 3450 35th AVE OAKLAND

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
~~MW6~~	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW8	ok	ok	ok	ok	ok	ok	N	ok	ok						
MW9	ok	ok	ok	ok	ok	ok	N	ok	ok						
MW10	ok	ok	ok	ok	ok	ok	N	ok	ok						

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffitti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

WATER SAMPLING SITE STATUS

Date: 3-30-05

Inspected by: Jose S.

ERI Job Number 2476 Station No. 7023Y Site Address: 3450 35th Ave Oakland.

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW4	ok	ok	ok	ok	ok	ok	N	ok	ok						
MW5	ok	ok	ok	ok	ok	ok	Y	ok	ok						
MW7	ok	ok	ok	ok	ok	ok	N	ok	ok						

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffitti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

Case Formula
$r^2 \times 0.163$

Case Conversion Factors
2" x 0.163 6" x 1.457
4" x 0.652

Project # 247613 | Location# 70234 | Date: 3/30/09 | Sampler I. INGRAM

Well ID	Case Diameter	Odor/Shee	Total Depth	Pre-Purge DTW	DTP	Product Thickness	TOC	Elevation	Notes
MW6	2		38.24	26.94					2.00 GAL
MW8	2		39.63	27.35					2.00 GAL
MW9	2	Sheen	39.58	28.31					2.00 GAL

Case Formula
$r^2 \times 0.163$

Case Conversion Factors
2" x 0.163 6" x 1.457
4" x 0.652

Project # 2476 Location# 70234 Date: 3-20-09 Sampler Jose S.

Well ID	Case Diameter	Odor/Shee	Total Depth	Pre-Purge DTW	DTP	Product Thickness	TOC	Elevation	Notes
MW4	2.		44.72	30.94					3.
MW5	2.		39.72	30.09					2.
MW7	2.		39.57	29.15					2.

GROUNDWATER SAMPLING FIELD LOG

Client Name: Exxon Mobil
Location: 70234
Field Crew: Jose S.

ERI Job #: 2476
Field Cleaning Performed: _____
Analysis: _____

Date: 2-26-09 Page 1 of 1

Case Volume = (TD - DTW) x F where F =
0.163 for 2" inside-diameter well casing
0.652 for 4" inside-diamter well casing
1.457 for 6" inside-diamter well casing

Well ID	Time	Case Volume	Purge Volume	Temp	Cond	pH	Post-Purge DTW	80% Recharge	BB	40mil	Amber	DO	ORP	Comments Well Box Condition
					US									
MW4	1240	3					31.56	YES			1355			
	1243		3	18.9	583	7.35	1251	12	19.1	606	7.22			
	1245		6	19.2	674	7.21								
	1248		9	19.3	608	7.19								
MW7	1303	2					30.38	YES			1407			
	1305		2	19.6	662	7.13	1310	8	20.1	704	7.00			
	1306		4	20.1	749	7.14	1311	10	20.0	697	7.10			DRY @ 12.
	1308		6	20.1	802	7.18	1314	12	20.5	710	7.16			
MW5	1331	2					31.42	YES			1417			
	1333		2	18.3	977	6.69	1339	8	18.5	931	6.67			
	1335		4	18.5	1083	6.76	1341	10	18.4	895	6.74			DRY @ 10.
	1337		6	18.5	1136	6.76								

GROUNDWATER SAMPLING FIELD LOG

Client Name: Exxon Mobil ERI Job #: 247613 Date: 3/30/09 Page 1 of 1

Location: 70234 Field Cleaning Performed: Case Volume = (TD - DTW) x F where F =

Field Crew: ISAAC INGRAM Analysis:

0.163 for 2" inside-diameter well casing
0.652 for 4" inside-diamter well casing
1.457 for 6" inside-diamter well casing

Well ID	Time	Case Volume	Purge Volume	Temp	Cond	pH	Post-Purge DTW	80% Recharge	BB	40mil	Amber	DO	ORP	Comments Well Box Condition
MW8	1318	2					27.50	Y			1510			
	1321		2	17.8	387	6.79								
	1323		4	17.8	402	6.83								
	1324		6	18.0	416	6.85								
MW9	1341	2					28.54	Y			1525			
	1343		2	18.0	547	6.87								
	1345		4	17.9	569	6.86								
	1348		6	18.1	571	6.88								
MW6	1412						27.35	Y			1445			
	1414		2	19.0	610	6.93								
	1416		4	19.0	624	6.93								
	1418		6	19.1	628	6.91								