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

ExxonMobil

January 28, 2011

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, Fourth Quarter 2010,*** dated January 28, 2011, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details groundwater monitoring and sampling 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, Fourth Quarter 2010,*** dated January 28, 2011
cc: w/ attachment
Mr. Shay Wideman, Valero Companies, Environmental Liability Management

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

Cardno ERI
Shaping the Future

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January 28, 2011
Cardno ERI 247613.Q104

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

SUBJECT **Groundwater Monitoring Report, Fourth Quarter 2010**
Former Exxon Service Station 70234
3450 35th Avenue, Oakland, California

Alameda County RO#2515

INTRODUCTION

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI performed fourth quarter 2010 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:		11/01/10
Wells gauged and sampled:		MW4 through MW9
Presence of NAPL:		Not observed
Concurrently Sampled:		ConocoPhillips, 3420 35th Avenue
Data Provided by:		TRC, Inc., Irvine, California
Laboratory:		Calscience Environmental Laboratories, Inc. Garden Grove, California
Analyses performed:	EPA 8015B	TPHg
	EPA 8021B	BTEX
	EPA 8260B	MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE
Waste disposal:		48 gallons of purge and decon water delivered to Instrat, Inc., of Rio Vista, California, on 11/08/10

CONCLUSIONS

Groundwater monitoring and sampling data are consistent with previous data collected from the site. The monitoring and sampling frequency at the adjacent ConocoPhillips site (3420 35th Avenue) has been reduced to semi-annual, occurring during second and fourth quarters. Cardno ERI conducted concurrent sampling during fourth quarter 2010. Groundwater flow is towards the southwest.

DOCUMENT DISTRIBUTION

Cardno 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
P.O. Box 696000
San Antonio, Texas 78269

LIMITATIONS

For any documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno 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 documents.

This document 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, Cardno ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.

Sincerely,

SCANNED IMAGE

SCANNED IMAGE

PROFESSIONAL GEOLOGIST
HEIDI L. DIEFFENBACH-CARLE
No. 6793
EXP. 03/31/2012
STATE OF CALIFORNIA

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Enclosures:

Acronym List

Plate 1	Site Vicinity Map
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
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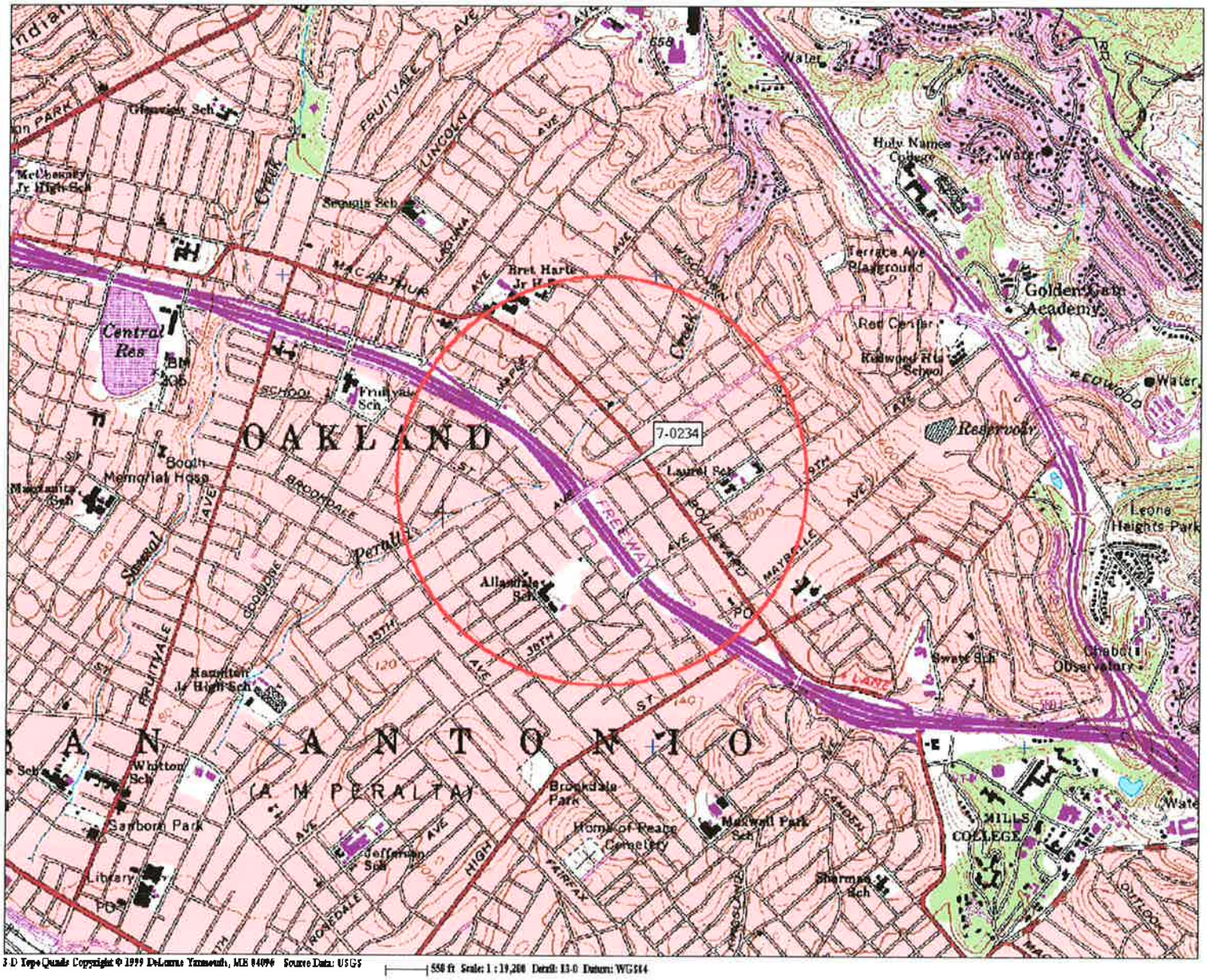
Appendix B	Groundwater Monitoring Data, ConocoPhillips, 3420 35th Avenue (TRC, Inc., November 1, 2010)
Appendix C	Laboratory Analytical Report and Chain-of-Custody Record
Appendix D	Waste Disposal Documentation
Appendix E	Field Data Sheets

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



3-D Topo Quads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1 : 19,200 Detail: 13-0 Datum: WGS84

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

J:\EXXONMOBIL\ExxonMobil Projects\022476 (70234) Oakland\2476 AutoCad\2476Topo.Dwg, 1/25/2011 11:08:03 AM, mkiones

Analyte Concentrations in ug/L
Sampled November 1, 2010

Total Petroleum Hydrocarbons as gasoline

Benzene

Methyl Tertiary Butyl Ether

< Less Than the Stated Laboratory Reporting Limit

ug/L Micrograms per Liter

b Hydrocarbon pattern does not match the requested fuel.

APPROXIMATE SCALE

0 40 80 Feet

FN 2476 10 4QTR QM

SOURCE: Modified from maps provided by MORROW SURVEING AND TRC

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SELECT ANALYTICAL RESULTS
November 1, 2010

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

EXPLANATION

MW9 Groundwater Monitoring Well

MW1 Destroyed Groundwater Monitoring Well

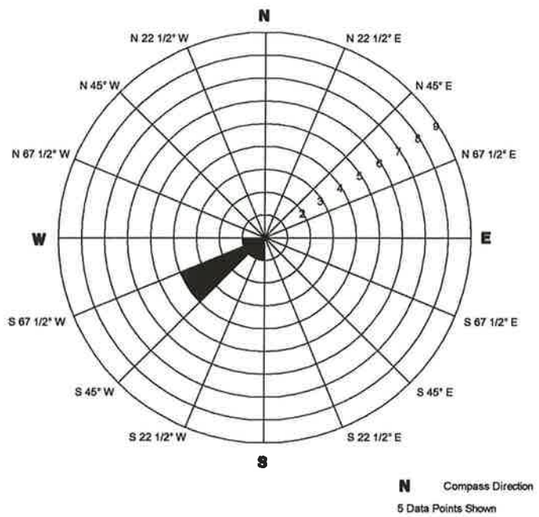
MW3 Groundwater Monitoring Well By Others

Excavated Area

PROJECT NO. 2476

PLATE 2

I:\EXXONMOBIL\ExxonMobil Projects\022476 (70234) Oakland\2476 AutoCad\QM\2010\10 4QTR QM.dwg, 1/25/2011 11:10:44 AM, mkiones



Rose diagram developed by evaluating the groundwater 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. March 30, 2009 to November 1, 2010.

GROUNDWATER FLOW DIRECTION ROSE DIAGRAM

APPROXIMATE SCALE

0 40 80 Feet

FN 2476 10 4QTR QM

SOURCE: Modified from maps provided by MORROW SURVEING AND TRC

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GROUNDWATER ELEVATION MAP
November 1, 2010

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

EXPLANATION

- MW9 — Groundwater Monitoring Well
- 162.71 — Groundwater elevation in feet; datum is mean sea level
- MW1 — Destroyed Groundwater Monitoring Well
- MW3 — Groundwater Monitoring Well By Others
- 162.5 – – – – Line of Equal Groundwater Elevation; datum is mean sea level
- Excavated Area

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	Depth (feet)	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)
Monitoring Well Samples														
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	---

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

Well ID	Sampling Date	Depth (feet)	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	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	---
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.										
MW4	05/28/09	---	197.62	32.00	165.62	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	08/31/09	---	197.62	35.43	162.19	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW4	12/11/09	---	197.62	35.01	162.61	No	<50	<0.50	<0.50	0.83	<0.50	1.1	---	---
MW4	05/07/10	---	197.62	29.11	168.51	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW4	**11/01/10**	**---**	**197.62**	**34.95**	**162.67**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
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	---	196.35	Well surveyed.										
MW5	05/28/09	---	196.35	31.45	164.90	No	5,300	3,600	890	150	<25	140	---	---
MW5	08/31/09	---	196.35	34.70	161.65	No	5,800	3,500	550	<100	<100	<100	---	---
MW5	12/11/09	---	196.35	34.52	161.83	No	4,000b	3,800	230	<100	<100	<100	---	---
MW5	05/07/10	---	196.35	30.84	165.51	No	2,700b	1,700	73	5.3	3.6	6.5	---	---
MW5	**11/01/10**	**---**	**196.35**	**33.93**	**162.42**	**No**	**2,400b**	**3,400**	**320**	**71**	**21**	**40**	**---**	**---**
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.										
MW6	05/28/09	---	192.41	28.04	164.37	No	2,800	6,000	<100	<100	<100	<100	---	---
MW6	08/31/09	---	192.41	30.57	161.84	No	4,900	6,600	<100	<100	<100	<100	---	---
MW6	12/11/09	---	192.41	30.78	161.63	No	4,900b	6,200	<100	<100	<100	<100	---	---

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

Well ID	Sampling Date	Depth (feet)	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)
MW6	05/07/10	---	192.41	25.42	166.99	No	2,900b	3,700	2.7	<0.50	0.74c	<1.0	---	---
MW6	**11/01/10**	**---**	**192.41**	**30.68**	**161.73**	**No**	**850b**	**6,100**	**2.1**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
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.										
MW7	05/28/09	---	194.34	30.16	164.18	No	50	67	<1.0	<1.0	<1.0	<1.0	---	---
MW7	08/31/09	---	194.34	33.31	161.03	No	<50	12	<0.50	0.60	<0.50	<0.50	---	---
MW7	12/11/09	---	194.34	32.71	161.63	No	<50	31	0.78	1.7	0.62	2.4	---	---
MW7	05/07/10	---	194.34	27.54	166.80	No	510b	700	<0.50	<0.50	<0.50	<1.0	---	---
MW7	**11/01/10**	**---**	**194.34**	**32.82**	**161.52**	**No**	**68b**	**140**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
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.										
MW8	05/28/09	---	192.96	28.72	164.24	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	08/31/09	---	192.96	31.93	161.03	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW8	12/11/09	---	192.96	31.24	161.72	No	<50	<0.50	0.74	1.6	0.59	2.3	---	---
MW8	05/07/10	---	192.96	25.68	167.28	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW8	**11/01/10**	**---**	**192.96**	**31.18**	**161.78**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
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.										
MW9	05/28/09	---	195.16	29.69	165.47	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	08/31/09	---	195.16	33.20	161.96	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
MW9	12/11/09	---	195.16	32.62	162.54	No	<50	<0.50	0.73	1.7	0.54	2.2	---	---
MW9	05/07/10	---	195.16	26.59	168.57	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---
MW9	**11/01/10**	**---**	**195.16**	**32.45**	**162.71**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**
Grab Groundwater Samples														
Pit Water	06/14/02	11.5a	---	---	---	---	5,600	12,000	140	840	100	530	---	---
UST Pit	06/19/02	13.5a	---	---	---	---	680	640	2.7	36	18	130	---	---
W-38-B11	11/14/07	38	---	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---
W-15-B12	11/13/07	15	---	---	---	---	8,400	78	67	<5.0	140	150	---	---
W-40-B13	11/12/07	40	---	---	---	---	<50	0.53	<0.50	<0.50	<0.50	<0.50	---	---

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

Well ID	Sampling Date	Depth (feet)	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)
W-15-B14	11/13/07	15	---	---	---	---	2,500	16	1.7	3.0	26	13	---	---
W-38-B15	11/15/07	38	---	---	---	---	18,000	12,000	3,400	2,500	330	2,000	---	---
W-40-B16	11/15/07	40	---	---	---	---	<50	7.7	<0.50	<0.50	<0.50	<0.50	---	---
W-37-B17	11/13/07	37	---	---	---	---	630	2,200	1.8	<0.50	4.1	1.4	---	---
W-38-B18	11/12/07	38	---	---	---	---	4,300	1,400	52	<12	56	96	---	---
W-35-B19	03/03/09	35	---	---	---	---	4,400	7,100	<0.50	<0.50	<0.50	<1.0	---	---
W-35-B20	03/03/09	35	---	---	---	---	640	440	<0.50	<0.50	<0.50	<1.0	---	---
W-35-B21	03/03/09	35	---	---	---	---	<50	1.4	<0.50	<0.50	<0.50	<1.0	---	---

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 8260.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; prior to March 2009, analyzed using EPA Method 8020/8021B.
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-dicloroethane 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 ehter analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed/Not measured/Not applicable.
a	=	Approximate depth to groundwater surface at time of sampling.
b	=	Hydrocarbon pattern does not match the requested fuel.
c	=	Analyte presence was not confirmed by second column or GC/MS analysis.

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

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
Monitoring Well Samples									
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	---
MW4	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW4	**11/01/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW5	03/30/09	---	<12	17	<12	450	<12	<12	---
MW5	05/28/09	---	<25	<25	<25	530	<25	<25	---
MW5	08/31/09	---	<100	<100	<100	<1,000	<100	<100	---
MW5	12/11/09	---	<100	<100	<100	2,000	<100	<100	---
MW5	05/07/10	---	<25	<25	<25	400	<25	<25	---
MW5	**11/01/10**	**---**	**<50**	**<50**	**<50**	**1,500**	**<50**	**<50**	**---**
MW6	03/30/09	---	<0.50	<0.50	1.3	410	<0.50	0.82	---
MW6	05/28/09	---	<100	<100	<100	<1,000	<100	<100	---
MW6	08/31/09	---	<100	<100	<100	1,100	<100	<100	---
MW6	12/11/09	---	<100	<100	<100	2,600	<100	<100	---
MW6	05/07/10	---	<100	<100	<100	<1,000	<100	<100	---
MW6	**11/01/10**	**---**	**<50**	**<50**	**<50**	**2,400**	**<50**	**<50**	**---**
MW7	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW7	05/28/09	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---
MW7	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW7	12/11/09	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	---

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

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW7	05/07/10	---	<0.50	<0.50	<0.50	130	<0.50	<0.50	---
MW7	**11/01/10**	**---**	**<2.5**	**<2.5**	**<2.5**	**27**	**<2.5**	**<2.5**	**---**
MW8	03/30/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW8	**11/01/10**	**---**	**<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	---
MW9	05/28/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	08/31/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	12/11/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	05/07/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW9	**11/01/10**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
Grab Groundwater Samples									
Pit Water	06/14/02	11.5a	---	---	---	---	---	---	---
UST Pit	06/19/02	13.5a	---	---	---	---	---	---	---
W-38-B11	11/14/07	38	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50
W-15-B12	11/13/07	15	<5.0	<5.0	<5.0	<100	<5.0	<5.0	<500
W-40-B13	11/12/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<50
W-15-B14	11/13/07	15	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<100
W-38-B15	11/15/07	38	<25	<25	<25	1,900	<25	<25	<2,500
W-40-B16	11/15/07	40	<0.50	<0.50	<0.50	<10	<0.50	<0.50	85
W-37-B17	11/13/07	37	<0.50	<0.50	<0.50	58	<0.50	<0.50	<50
W-38-B18	11/12/07	38	<12	<12	<12	<250	<12	<12	<1,200
W-35-B19	03/03/09	35	<50	<50	<50	<500	<50	<50	<5,000
W-35-B20	03/03/09	35	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50
W-35-B21	03/03/09	35	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<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 8260.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B; prior to March 2009, analyzed using EPA Method 8020/8021B.
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-dicloroethane 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 ehter analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled/Not analyzed/Not measured/Not applicable.
a	=	Approximate depth to groundwater surface at time of sampling.
b	=	Hydrocarbon pattern does not match the requested fuel.
c	=	Analyte presence was not confirmed by second column or GC/MS analysis.

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

GROUNDWATER MONITORING DATA
CONOCOPHILLIPS, 3420 35TH AVENUE
(TRC, INC., NOVEMBER 1, 2010)

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1, 2010

76 Station 6129

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 25-45)**											
11/1/2010	190.79	30.18	0.00	160.61	-4.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	92	
MW-2			**(Screen Interval in feet: 25-45)**											
11/1/2010	190.80	29.90	0.00	160.90	-4.79	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	730	
MW-3			**(Screen Interval in feet: 25-45)**											
11/1/2010	188.58	29.29	0.00	159.29	-3.57	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	490	

APPENDIX C

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORD

Calscience
Environmental
Laboratories, Inc.

November 16, 2010

RECEIVED
BY:

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

Subject: **Calscience Work Order No.: 10-11-0096**
Client Reference: ExxonMobil 70234 / 022476

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/2/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. 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:	11/02/10
601 North McDowell Blvd.		Work Order No:	10-11-0096
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 70234 / 022476

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-35-MW4	**10-11-0096-2-G**	**11/01/10 09:11**	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10 05:18**	**101104B03**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-34-MW5	**10-11-0096-3-G**	**11/01/10 09:35**	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10 07:28**	**101104B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2400	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-31-MW6	**10-11-0096-4-E**	**11/01/10 09:46**	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10 08:01**	**101104B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	850	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-34-MW7	**10-11-0096-5-E**	**11/01/10 09:24**	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10 08:34**	**101104B03**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	68	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/02/10
601 North McDowell Blvd.		Work Order No:	10-11-0096
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 70234 / 022476

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-32-MW8	**10-11-0096-6-E**	**11/01/10 09:10**	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10 09:06**	**101104B03**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-33-MW9	**10-11-0096-7-D**	**11/01/10 08:55**	**Aqueous**	**GC 5**	**11/08/10**	**11/08/10 21:27**	**101108B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,468**	**N/A**	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10 03:40**	**101104B03**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-5,469**	**N/A**	**Aqueous**	**GC 5**	**11/08/10**	**11/08/10 13:07**	**101108B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.		Date Received:	11/02/10
601 North McDowell Blvd.		Work Order No:	10-11-0096
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
		Units:	ug/L
Project: ExxonMobil 70234 / 022476			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-35-MW4	**10-11-0096-2-F**	**11/01/10 09:11**	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10 17:07**	**101103B01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	105	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-34-MW5	**10-11-0096-3-D**	**11/01/10 09:35**	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10 17:37**	**101103B01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	320	0.50	1		Ethylbenzene	21	0.50	1	
Toluene	71	0.50	1		Xylenes (total)	40	1.0	1	
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	114	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-31-MW6	**10-11-0096-4-D**	**11/01/10 09:46**	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10 18:08**	**101103B01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.1	0.50	1		Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	105	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-34-MW7	**10-11-0096-5-D**	**11/01/10 09:24**	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10 18:39**	**101103B01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	103	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-32-MW8	**10-11-0096-6-D**	**11/01/10 09:10**	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10 19:10**	**101103B01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	98	70-130							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 11/02/10
601 North McDowell Blvd.	Work Order No: 10-11-0096
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8021B
	Units: ug/L

Project: ExxonMobil 70234 / 022476

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-33-MW9	**10-11-0096-7-D**	**11/01/10 08:55**	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10 19:41**	**101103B01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-667-961**	**N/A**	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10 13:29**	**101103B01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	106	70-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received:	11/02/10
601 North McDowell Blvd.	Work Order No:	10-11-0096
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 70234 / 022476

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-35-MW4	**10-11-0096-2-A**	**11/01/10 09:11**	**Aqueous**	**GC/MS BB**	**11/06/10**	**11/07/10 00:50**	**101106L02**

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

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	80-120		Dibromofluoromethane	106	80-127	
1,4-Bromofluorobenzene	101	68-120		1,2-Dichloroethane-d4	104	80-128	

W-34-MW5	**10-11-0096-3-B**	**11/01/10 09:35**	**Aqueous**	**GC/MS BB**	**11/09/10**	**11/09/10 19:35**	**101109L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	3400	50	100		Tert-Amyl-Methyl Ether (TAME)	ND	50	100	U
Tert-Butyl Alcohol (TBA)	1500	500	100		1,2-Dibromoethane	ND	50	100	U
Diisopropyl Ether (DIPE)	ND	50	100	U	1,2-Dichloroethane	ND	50	100	U
Ethyl-t-Butyl Ether (ETBE)	ND	50	100	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	80-127		Toluene-d8	98	80-120	
1,4-Bromofluorobenzene	99	68-120		1,2-Dichloroethane-d4	99	80-128	

W-31-MW6	**10-11-0096-4-B**	**11/01/10 09:46**	**Aqueous**	**GC/MS BB**	**11/09/10**	**11/09/10 20:04**	**101109L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	6100	100	200		Tert-Amyl-Methyl Ether (TAME)	ND	50	100	U
Tert-Butyl Alcohol (TBA)	2400	500	100		1,2-Dibromoethane	ND	50	100	U
Diisopropyl Ether (DIPE)	ND	50	100	U	1,2-Dichloroethane	ND	50	100	U
Ethyl-t-Butyl Ether (ETBE)	ND	50	100	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	68-120		Toluene-d8	98	80-120	
1,2-Dichloroethane-d4	101	80-128		Dibromofluoromethane	106	80-127	

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: 11/02/10
Work Order No: 10-11-0096
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70234 / 022476

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-34-MW7	**10-11-0096-5-B**	**11/01/10 09:24**	**Aqueous**	**GC/MS BB**	**11/09/10**	**11/09/10 20:33**	**101109L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	140	2.5	5		Tert-Amyl-Methyl Ether (TAME)	ND	2.5	5	U
Tert-Butyl Alcohol (TBA)	27	25	5		1,2-Dibromoethane	ND	2.5	5	U
Diisopropyl Ether (DIPE)	ND	2.5	5	U	1,2-Dichloroethane	ND	2.5	5	U
Ethyl-t-Butyl Ether (ETBE)	ND	2.5	5	U					
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	101	80-128			1,4-Bromofluorobenzene	99	68-120		
Dibromofluoromethane	104	80-127			Toluene-d8	98	80-120		

W-32-MW8	**10-11-0096-6-C**	**11/01/10 09:10**	**Aqueous**	**GC/MS BB**	**11/10/10**	**11/11/10 06:50**	**101110L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	1,2-Dibromoethane	ND	0.50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U					
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,4-Bromofluorobenzene	99	68-120			1,2-Dichloroethane-d4	97	80-128		
Dibromofluoromethane	90	80-127			Toluene-d8	98	80-120		

W-33-MW9	**10-11-0096-7-C**	**11/01/10 08:55**	**Aqueous**	**GC/MS BB**	**11/10/10**	**11/11/10 07:19**	**101110L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	1,2-Dibromoethane	ND	0.50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U					
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Toluene-d8	97	80-120			Dibromofluoromethane	89	80-127		
1,4-Bromofluorobenzene	98	68-120			1,2-Dichloroethane-d4	99	80-128		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Environmental Resolutions, Inc.	Date Received: 11/02/10
601 North McDowell Blvd.	Work Order No: 10-11-0096
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8260B
	Units: ug/L

Project: ExxonMobil 70234 / 022476

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-465**	**N/A**	**Aqueous**	**GC/MS BB**	**11/06/10**	**11/07/10 00:21**	**101106L02**

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

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	80-120		Dibromofluoromethane	104	80-127	
1,4-Bromofluorobenzene	99	68-120		1,2-Dichloroethane-d4	105	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-470**	**N/A**	**Aqueous**	**GC/MS BB**	**11/09/10**	**11/09/10 15:39**	**101109L01**

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

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	99	80-120		Dibromofluoromethane	101	80-127	
1,4-Bromofluorobenzene	99	68-120		1,2-Dichloroethane-d4	97	80-128	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-474**	**N/A**	**Aqueous**	**GC/MS BB**	**11/10/10**	**11/11/10 01:36**	**101110L02**

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

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	98	80-120		Dibromofluoromethane	96	80-127	
1,4-Bromofluorobenzene	104	68-120		1,2-Dichloroethane-d4	100	80-128	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 11/02/10
601 North McDowell Blvd.	Work Order No: 10-11-0096
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8015B (M)

Project ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-35-MW4	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10**	**101104S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	95	80	68-122	17	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 11/02/10
601 North McDowell Blvd.	Work Order No: 10-11-0096
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8015B (M)

Project ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0403-2	**Aqueous**	**GC 5**	**11/08/10**	**11/08/10**	**101108S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	77	94	68-122	17	0-18	

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: 11/02/10
Work Order No: 10-11-0096
Preparation: EPA 5030C
Method: EPA 8021B

Project ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-10-2457-13	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10**	**101103S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	110	57-129	1	0-23	
Toluene	102	73	50-134	33	0-26	4
Ethylbenzene	102	103	58-130	1	0-26	
Xylenes (total)	101	102	57-123	0	0-26	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.		Date Received:	11/02/10
601 North McDowell Blvd.		Work Order No:	10-11-0096
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0111-2	**Aqueous**	**GC/MS BB**	**11/06/10**	**11/07/10**	**101106S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	109	76-124	0	0-20	
Toluene	105	105	80-120	0	0-20	
Ethylbenzene	106	106	78-126	0	0-20	
Methyl-t-Butyl Ether (MTBE)	107	105	67-121	2	0-49	
Tert-Butyl Alcohol (TBA)	92	93	36-162	1	0-30	
Diisopropyl Ether (DIPE)	113	111	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	108	106	69-123	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	97	65-120	0	0-20	
Ethanol	99	97	30-180	2	0-72	
1,2-Dibromoethane	102	102	80-120	0	0-20	
1,2-Dichloroethane	106	107	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Environmental Resolutions, Inc.	Date Received: 11/02/10
601 North McDowell Blvd.	Work Order No: 10-11-0096
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8260B

Project ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0638-1	**Aqueous**	**GC/MS BB**	**11/09/10**	**11/09/10**	**101109S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	101	76-124	6	0-20	
Toluene	107	101	80-120	6	0-20	
Ethylbenzene	109	103	78-126	5	0-20	
Methyl-t-Butyl Ether (MTBE)	101	95	67-121	6	0-49	
Tert-Butyl Alcohol (TBA)	114	112	36-162	2	0-30	
Diisopropyl Ether (DIPE)	106	100	60-138	5	0-45	
Ethyl-t-Butyl Ether (ETBE)	103	98	69-123	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	103	98	65-120	5	0-20	
Ethanol	143	139	30-180	3	0-72	
1,2-Dibromoethane	105	101	80-120	4	0-20	
1,2-Dichloroethane	106	100	80-120	6	0-20	

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: 11/02/10
Work Order No: 10-11-0096
Preparation: EPA 5030C
Method: EPA 8260B

Project ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-11-0636-1	**Aqueous**	**GC/MS BB**	**11/10/10**	**11/11/10**	**101110S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	106	76-124	0	0-20	
Toluene	103	105	80-120	2	0-20	
Ethylbenzene	107	108	78-126	1	0-20	
Methyl-t-Butyl Ether (MTBE)	109	108	67-121	1	0-49	
Tert-Butyl Alcohol (TBA)	114	115	36-162	1	0-30	
Diisopropyl Ether (DIPE)	103	101	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	100	100	69-123	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	101	103	65-120	1	0-20	
Ethanol	112	109	30-180	2	0-72	
1,2-Dibromoethane	110	110	80-120	0	0-20	
1,2-Dichloroethane	106	106	80-120	0	0-20	

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:	10-11-0096
Preparation:	EPA 5030C
Method:	EPA 8015B (M)

Project: ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-5,468	**Aqueous**	**GC 5**	**11/04/10**	**11/05/10**	**101104B03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	102	105	78-120	3	0-10	

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:	10-11-0096
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-12-436-5,469	**Aqueous**	**GC 5**	**11/08/10**	**10110804**	**101108B02**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
TPH as Gasoline	2000	1855	93	78-120	

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:	10-11-0096
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B

Project: ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-667-961	**Aqueous**	**GC 8**	**11/03/10**	**11/03/10**	**101103B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	111	111	70-118	0	0-9	
Toluene	105	106	66-114	1	0-9	
Ethylbenzene	104	105	72-114	1	0-9	
Xylenes (total)	105	106	72-114	1	0-9	

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: 10-11-0096
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8260B

Project: ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-465	**Aqueous**	**GC/MS BB**	**11/06/10**	**11/06/10**	**101106L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	103	102	80-120	73-127	1	0-20	
Toluene	101	101	80-120	73-127	0	0-20	
Ethylbenzene	103	103	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	101	103	69-123	60-132	3	0-20	
Tert-Butyl Alcohol (TBA)	103	100	63-123	53-133	3	0-20	
Diisopropyl Ether (DIPE)	102	104	59-137	46-150	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	101	103	69-123	60-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	101	70-120	62-128	0	0-20	
Ethanol	105	109	28-160	6-182	3	0-57	
1,2-Dibromoethane	101	104	79-121	72-128	2	0-20	
1,2-Dichloroethane	103	102	80-120	73-127	1	0-20	

Total number of LCS compounds : 11
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:	10-11-0096
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-470	**Aqueous**	**GC/MS BB**	**11/09/10**	**11/09/10**	**101109L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	102	103	80-120	73-127	1	0-20	
Toluene	102	102	80-120	73-127	0	0-20	
Ethylbenzene	103	104	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	100	100	69-123	60-132	0	0-20	
Tert-Butyl Alcohol (TBA)	108	107	63-123	53-133	1	0-20	
Diisopropyl Ether (DIPE)	102	102	59-137	46-150	0	0-37	
Ethyl-t-Butyl Ether (ETBE)	102	101	69-123	60-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	100	70-120	62-128	1	0-20	
Ethanol	129	128	28-160	6-182	1	0-57	
1,2-Dibromoethane	102	101	79-121	72-128	0	0-20	
1,2-Dichloroethane	100	101	80-120	73-127	0	0-20	

Total number of LCS compounds : 11
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: 10-11-0096
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8260B

Project: ExxonMobil 70234 / 022476

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-474	**Aqueous**	**GC/MS BB**	**11/10/10**	**11/11/10**	**101110L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	107	104	80-120	73-127	3	0-20	
Toluene	106	104	80-120	73-127	2	0-20	
Ethylbenzene	106	106	80-120	73-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	107	100	69-123	60-132	7	0-20	
Tert-Butyl Alcohol (TBA)	104	106	63-123	53-133	2	0-20	
Diisopropyl Ether (DIPE)	106	103	59-137	46-150	3	0-37	
Ethyl-t-Butyl Ether (ETBE)	106	100	69-123	60-132	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	106	100	70-120	62-128	6	0-20	
Ethanol	108	111	28-160	6-182	2	0-57	
1,2-Dibromoethane	107	102	79-121	72-128	5	0-20	
1,2-Dichloroethane	108	103	80-120	73-127	5	0-20	

Total number of LCS compounds : 11
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: 10-11-0096

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 or PES/PESD 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 without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
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.
ME	LCS recovery percentage is within LCS ME control limit range.
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.
U	Undetected at detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Sandy Tat

From: David R. Daniels [david.daniels@cardno.com]
Sent: Friday, November 05, 2010 3:24 PM
To: Sandy Tat
Subject: RE: ExxonMobil 70234 / 022476 (10-11-0096)

Yes, that is correct. Thank You

David R. Daniels, PG 8737
Senior Staff Geologist
Cardno ERI
Phone: 707 766 2000
Direct: 707 766 2024
Mobile: 707 338 6997
Fax: 707 789 0414

From: Sandy Tat [mailto:STat@calscience.com]
Sent: Friday, November 05, 2010 3:17 PM
To: David R. Daniels
Subject: RE: ExxonMobil 70234 / 022476 (10-11-0096)

Hi David,

Okay, I'll change it to the following:

W-34-MW5 @ 09:35
W-34-MW7 @ 09:24

Is this correct?

Thanks,

Sandy Tat
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x220
Fax: 714-894-7501
STat@calscience.com

From: David R. Daniels [mailto:david.daniels@cardno.com]
Sent: Friday, November 05, 2010 3:10 PM
To: Sandy Tat
Subject: RE: ExxonMobil 70234 / 022476 (10-11-0096)

The labels for samples W-34-MW5 and W-34-MW7 must have been switched. The sample collected at 924 should be W-34-MW7. The sample collected at 935 (or 938) should be W-34-MW5. The technicians field notes and COC both say 935, but apparently the label said 938; possibly this is a case of sloppy handwriting. Let me know if I need to do anything additional.

David R. Daniels, PG 8737
Senior Staff Geologist
Cardno ERI
Phone: 707 766 2000
Direct: 707 766 2024
Mobile: 707 338 6997
Fax: 707 789 0414

From: Sandy Tat [mailto:STat@calscience.com]
Sent: Tuesday, November 02, 2010 5:00 PM
To: David R. Daniels
Subject: ExxonMobil 70234 / 022476 (10-11-0096)

Hi David,

Please verify the sampling time for sample (W-34-MW5 & W-34-MW7). Please see attached Sample Anomaly Form.

Thanks,

Sandy Tat
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x220
Fax: 714-894-7501
STat@calscience.com

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REPORT SECURITY NOTICE:
The client or recipient of any attached analytical report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience Environmental Laboratories, Inc. is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience Environmental Laboratories, Inc. for any defense to any litigation which arises.

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

0096

ExxonMobil

Consultant Name: Cardno ERI
Consultant Address: 601 N. McDowell Boulevard
Consultant City/State/Zip: Petaluma, California, 94954
ExxonMobil Project Mgr: Jennifer Sedlachek
Consultant Project Mgr: Paula Sime
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414
Sampler Name (Print): Denny West
Sampler Signature:

Account #: NA **PO#:** 4512312717
Invoice To: Jennifer Sedlachek
Report To: Paula Sime
Project Name: 02247613X
ExxonMobil Site #: 70234 **Major Project (AFE #):**
Site Address: 3450 35th Avenue
Site City, State, Zip: Oakland, California
Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B					RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	BB		11/1	950	2V						x														x	H	O	L	D						X	
2	W-35 -MW4	MW4		911	6V						x								x							x	x	x							X	
3	W-34 -MW5	MW5		924	6V						x								x							x	x	x							X	
4	W-31 -MW6	MW6		946	6V						x								x							x	x	x							X	
5	W-34 -MW7	MW7		935	6V						x								x							x	x	x							X	
6	W-32 -MW8	MW8		910	6V						x								x							x	x	x							X	
7	W-33 -MW9	MW9		855	6V						x								x							x	x	x							X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com; ERI-EIMLABS@eri-us.com
GLOBAL ID # T0601975161

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

Relinquished by:		Date	Time	Received by:	Date	Time
		11/1	1135	Tom Malley CEC	11/1/10	1305
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
to	(FED)	11-1-10	1730		11/2/10	1030

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

5096

GSO

WebShip >>>>>

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CRA

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515268357

NPS

ORC

D

GARDEN GROVE

D92843A

85964011

Print Date : 11/01/10 15:18 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-0096

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ERI DATE: 11/02/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.4 °C + 0.5 °C (CF) = 2.9 °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 Initial: JP

CUSTODY SEALS INTACT:

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

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

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.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
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 ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** WB

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** LDC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** _____

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-11-0096

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s)/Container(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s)/Container(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☑ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

Collection time per label:
(-3) 9:38
(-5) 9:24

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: WS 11/02/10

SOP T100_090 (09/17/10)

APPENDIX D

WASTE DISPOSAL DOCUMENTATION

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. EMI-70234

2. Page 1 of 1

3. Generator's Name and Mailing Address
EMI - 70234
3450 34th 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) 746-2024

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
1105 c Airport Rd
Rio Vista, CA

10. US EPA ID Number
CAD000150599

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	48	Gals
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
Colors - Brown
odors - ~~0~~
Solids - ~~0~~

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

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
Danny West		11	8	10

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		11	8	10

APPENDIX E

FIELD DATA SHEETS

Daily Field Report

Cardno ERI

Cardno ERI
Shaping the Future

Project ID #: 70234 | **Cardno ERI Job # 022476201**

Subject: GW SAMPLING | **Date: 11/1/2010**

Equipment Used: SOLINST/HYDAC/PUMPS/BATTS'S/SAMPLING EQUIPMENT/ETC. | **Sheet: 1**

Name(s): WEST, DANIEL

Time Arrived On Site: 7:15 | **Time Departed Site: 10:0**

07:15	-ARRIVED ON SITE
	-VACANT PROPERTY
	-SET UP EXCLUSION ZONE AND CHOCKED THE WHEELS ON VEHICLE
	-REVIEWED APPLICABLE JSA'S
	-PERFORMED SPSA FOR: BROKEN GLASS
	-STARTED PAPERWORK FOR SITE AND LABELS
	-SET UP DECON/WORK AREA AND DECON'D EQUIPMENT
07:15	-HELD H&S MEETING/REVIEWED HOSPITAL ROUTE /FINISHED AT 07:30
07:30	-OPENED WELLS AND ALLOWED WELLS TO CHARGE
07:45	-STARTED MEASURING /FINISHED AT 08:00
08:00	-STARTED PURGING /FINISHED AT 09:00
09:00	-STARTED SAMPLING /FINISHED AT 09:45
	-DECON'D EQUIPMENT/CLEANED UP DECON STATION/LOADED TRUCK
	-BROKE DOWN EXCLUSION ZONE/LOADED TRUCK
10:00	-ERI CARDNO OFF SITE

*M/P/S 4 WELLS	*M/S 0 WELLS	M/S LOW FLOW 0 WELLS
*MO 0 WELLS	*O/P 0 WELLS	*POTABLE 0 WELLS

TOTAL PURGED GALLONS: 21 DECON WATER GALLONS: 15

*0 T/C SET UPS

DAILY FIELD REPORT

Cardno ERI

PROJECT: 70234 JOB # + ACTIVITY: 247613

SUBJECT: QM DATE: 11/1

EQUIPMENT USED: SHEET: 1 OF 1

NAME: Danny West PROJECT MNGR: Paula

Onsite 715 Sunny

Safety Meeting

Open Wells

DTW Wells

Purged & Sampled MW-4, 5, 6, 7

Decon 15

Purge 21

total 36a gal plus W.Q.

Offsite 1000

601 N. McDowell Boulevard, Petaluma, California 94954 707 766 2000 (Fax 707 789 0414)

WATER SAMPLING SITE STATUS

Date: 11/1/10

Inspected by: JW

ERI Job Number: 2476 Station No.: 70234 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	
4	ok	ok	ok	ok	ok	ok	N	ok	ok						
5	ok	ok	ok	ok	ok	ok	N	ok	ok						
6	ok	ok	ok	ok	ok	ok	N	ok	ok						
7	ok	ok	ok	ok	ok	ok	Y	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).

Depth to Water Data		QRT	4th	YEAR	2010		Calc Case Volume for purge	
ERI #	2476						2" WELL x 0.163	
Site #	7-0234	Address:	3450 35th Ave. Oakland, CA				4" WELL x 0.652	
PM:	Paula						6" WELL x 1.467	
Date:	11/1/2010						r (squared) x 0.163	
Tech:	DW			Recharge formula:				
DTW Time				Step 1►	Calc 80% in feet►		TD - PreDTW x .80 (ft)	=
Start:				Step 2►	Calc PostDTW (ft)►		TD - PostDTW (ft)	=
Finish:				Take ratio of result from Step 2 and Step 1 to find % recharge				

WELL ID	TD	PreDTW	CASE D	CASE V	PostDTW	Rechrg 80%	Sample Time	DTP	Prd Thick
MW 4	44.73	34.95	2	1.59414	35.49	94.48	9:11		
MW 5	39.74	33.93	2	0.94703	34.54	89.50	9:24		
MW 6	38.25	30.68	2	1.23391	31.1	94.45	9:46		
MW 7	39.60	32.82	2	1.10514	33.52	89.68	9:35		
MW 8	39.63		2	6.45969					
MW 9	40.58		2	6.61454					

GROUNDWATER MONITORING - FIELD LOG					
ERI #	2476		QRT	4th	2010
Client:	ExxonMobil		DATE:	11/1/10	
Site ID:	7-0234		TECH	DW	
ADDRESS: 3450 35th Ave.			PM:	Paula	
Oakland, CA			Total Purge Volume		
		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
BB					
COMMENTS:					
		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
MW 4	7:54	2	°C	uS	
	7:58	2	18.80	571.00	6.81
	8:03	4	18.90	608.00	6.77
	8:07	6	19.00	574.00	6.80
TOTAL PURGE		6			
COMMENTS:					
		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
MW 7	8:14	2	°C	uS	
	8:18	2	19.30	675.00	6.79
	8:21	4	19.40	694.00	6.73
	8:24	6	19.40	650.00	6.74
TOTAL PURGE		6			
COMMENTS:					
		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
MW 5	8:32	1	°C	uS	
	8:34	1	17.20	873.00	6.41
	8:37	2	18.00	869.00	6.44
	8:39	3	18.10	891.00	6.42
TOTAL PURGE		3			
COMMENTS:					
		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
MW 6	8:46	2	°C	uS	
	8:50	2	18.40	989.00	6.83
	8:53	4	18.50	1035.00	6.68
	8:56	6	18.50	1084.00	6.65
TOTAL PURGE		6			
COMMENTS:					

Daily Field Report

Cardno ERI

Cardno ERI
Shaping the Future

Project ID #: 70234 — **Cardno ERI Job # 022476201**

Subject: GW SAMPLING — **Date: 11/1/2010**

Equipment Used: SOLINST/HYDAC/PUMPS/BATTS'S/SAMPLING EQUIPMENT/ETC. — **Sheet: 1**

Name(s): PACULBA, WYNN

Time Arrived On Site: 7:0 — **Time Departed Site: 9:30**

07:00	-ARRIVED ON SITE
	-VACANT PROPERTY
	-SET UP EXCLUSION ZONE AND CHOCKED THE WHEELS ON VEHICLE
	-REVIEWED APPLICABLE JSA'S
	-PERFORMED SPSA FOR:
	-STARTED PAPERWORK FOR SITE AND LABELS
07:15	-HELD H&S MEETING/REVIEWED HOSPITAL ROUTE /FINISHED AT 07:30
07:30	-OPENED WELLS AND ALLOWED WELLS TO CHARGE
07:45	-STARTED MEASURING /FINISHED AT 08:00
08:00	-STARTED PURGING /FINISHED AT 08:45
08:45	-STARTED SAMPLING /FINISHED AT 09:15
	-DECON'D EQUIPMENT/CLEANED UP DECON STATION/LOADED TRUCK
	-BROKE DOWN EXCLUSION ZONE/LOADED TRUCK
09:30	-ERI CARDNO OFF SITE

*M/P/S 2 WELLS	*M/S 0 WELLS	M/S LOW FLOW 0 WELLS
*MO 0 WELLS	*O/P 0 WELLS	*POTABLE 0 WELLS

TOTAL PURGED GALLONS: 12

DECON WATER GALLONS: 0

*0 T/C SET UPS

DAILY FIELD REPORT

Cardno ERI

PROJECT: 70234 JOB # + ACTIVITY: 2476-13

SUBJECT: H&S ON SITE DATE: 11-1-10

EQUIPMENT USED: SHEET: 1 OF 1

NAME: W. J. PARKER PROJECT MNGR: PAULA

ONSITE - 7:00 SUNNY

SAFETY MTG

OPEN WELLS

DTW WELLS

PURGED & SAMPLED MW8 & MW9

DECON - 0 GALLONS

PURGE - 12 GALLONS

TOTAL - 12 GALLONS PWS D.WEST

OFFSITE - 9:30

W. J. PARKER

11.1.10

FIELDRP.DWG REV 9/27/10

601 N. McDowell Boulevard, Petaluma, California 94954 707 766 2000 (Fax 707 789 0414)

WATER SAMPLING SITE STATUS

Date: 11.1.10

Inspected by: W.J. FINNIGAN

ERI Job Number: 2476 Station No.: 70234 Site Address: 3450 35TH AVE, OAKLAND, CA.

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
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MW4	ok	ok	ok	ok	ok	ok	N	ok	ok						
MW9	↓	↓	↓	↓	↓	↓	Y	↓	↓						

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MW 7	39.60	32.82	2	1.10514	33.52	89.68	9:35		
MW 8	39.63	31.18	2	1.37735	31.61	94.91	9:10		
MW 9	40.58	32.45	2	1.32519	32.87	94.83	8:55		

GROUNDWATER MONITORING - FIELD LOG					
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Client:	ExxonMobil		DATE:	11/1/10	
Site ID:	7-0234		TECH	WP	
ADDRESS: 3450 35th Ave.			PM:	Paula	
Oakland, CA			Total Purge Volume		

		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
BB					
COMMENTS:					

		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
MW8	8:27	2	°C	uS	
	8:31	2	17.70	393.00	2.72
	8:34	4	17.70	474.00	2.66
	8:38	6	17.80	547.00	2.62
TOTAL PURGE		6			
COMMENTS:					

		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
MW9	8:01	2	°C	uS	
	8:08	2	17.90	567.00	2.98
	8:15	4	18.00	578.00	2.86
	8:20	6	18.10	577.00	2.83
TOTAL PURGE		6			
COMMENTS:					

		PRG			
WELL #	TIME	VOL	TEMP	COND	pH
			°C	uS	
TOTAL PURGE					
COMMENTS:					