ExxonMobil
Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611
510 547 8196 Telephone
510 547 8706 Facsimile

Jennifer C. Sedlachek
Project Manager

ExxonMobil

October 12, 2011

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

RE: Former Exxon RAS #70238/2200 East 12th Street, Oakland California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled ***Semi-Annual Groundwater Monitoring Report, Third Quarter 2011,*** dated October 12, 2011, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at 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: Cardno ERI's ***Semi-Annual Groundwater Monitoring Report, Third Quarter 2011,*** dated October 12, 2011

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

w/o attachment
Ms. Janice A. Jacobson, Cardno ERI

Cardno ERI
Shaping the Future

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October 12, 2011
Cardno ERI 229313.Q113

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

SUBJECT **Semi-Annual Groundwater Monitoring Report, Third Quarter 2011**
Former Exxon Service Station 70238
2200 East 12th Street, Oakland, California

Alameda County Environmental Health Department Case No. RO#390

INTRODUCTION

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI performed third quarter 2011 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 operates as a Valero-branded service station.

GROUNDWATER MONITORING AND SAMPLING SUMMARY

Gauging and sampling dates:		07/28/11
Wells gauged and sampled:		MW9A through MW9D, MW9I
Presence of NAPL:		Not observed
Laboratory:		Calscience Environmental Laboratories, Inc. Garden Grove, California
Analyses performed:	EPA Method 8015B	TPHg
	EPA Method 8260B	BTEX, MTBE, ETBE, DIPE, TAME, 1,2-DCA, EDB, TBA, Ethanol, Full Scan (MW9C only)
	EPA Method 8082	PCBs (MW9C only)
	EPA Method 6010	CAM 17 Metals (MW9C only)
	EPA Method 8270	SVOCs (MW9C only)
Waste disposal:		71 gallons of purge and decon water delivered to InStrat, Inc., of Rio Vista, California, on 08/04/11

REMEDIATION SYSTEM SUMMARY

The remediation system at the site is currently shut down for post-remedial monitoring of site conditions.

Dual-Phase Extraction System

Environmental Resolutions, Inc. (ERI) operated a DPE system at the site from January 2004 to July 2008. The DPE system removed approximately 976.3 pounds of TPHg, 8.6 pounds of benzene, and 38.3 pounds of MTBE during its operational period. Details of the DPE system operation and performance are included in ERI's report, *Groundwater Monitoring and Remediation Status Report, Third Quarter 2008*, dated October 24, 2008.

DISCUSSION

In an electronic correspondence dated May 10, 2011, the Alameda County Department of Health requested that samples from well MW9C be analyzed for VOCs, PCBs, and metals. The samples collected from well MW9C were analyzed for these analytes in addition to the typical analytical suite.

Nickel was reported at 34.9 µg/L from well MW9C. Barium was reported at 62.2 µg/L from well MW9C. Other metals were not reported well MW9C. With the exception of MTBE (45 µg/L), VOCs, SVOCs, and PCBs were not reported from well MW9C.

CONCLUSIONS

Groundwater elevations, groundwater flow direction, and dissolved-phase petroleum hydrocarbon concentrations are consistent with the historical data for the site. With the exception of MTBE, fuel hydrocarbons were not reported from the sample collected during the third quarter event.

Off-site monitoring wells MW9F, MW9G, and MW9H are located in the City of Oakland right-of-way and are currently inaccessible. Cardno ERI will continue to pursue access to wells MW9F, MW9G, and MW9H with the City of Oakland.

RECOMMENDATIONS

Cardno ERI recommends that the site be evaluated for closure.

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. Janice A. Jacobson, Cardno ERI's project manager for this site, at janice.jacobson@cardno.com or at (707) 766-2000 with any questions regarding this report.

Sincerely,

SCANNED IMAGE

SCANNED IMAGE

PROFESSIONAL GEOLOGIST
DAVID RICHARD DANIELS
No. 8737
EXP. 7-31-13
STATE OF CALIFORNIA

Jennifer L. Lacy
Senior Staff Scientist
for Cardno ERI
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P.G. 8737
for Cardno ERI
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Email: david.daniels@cardno.com

Enclosures:

Acronym List

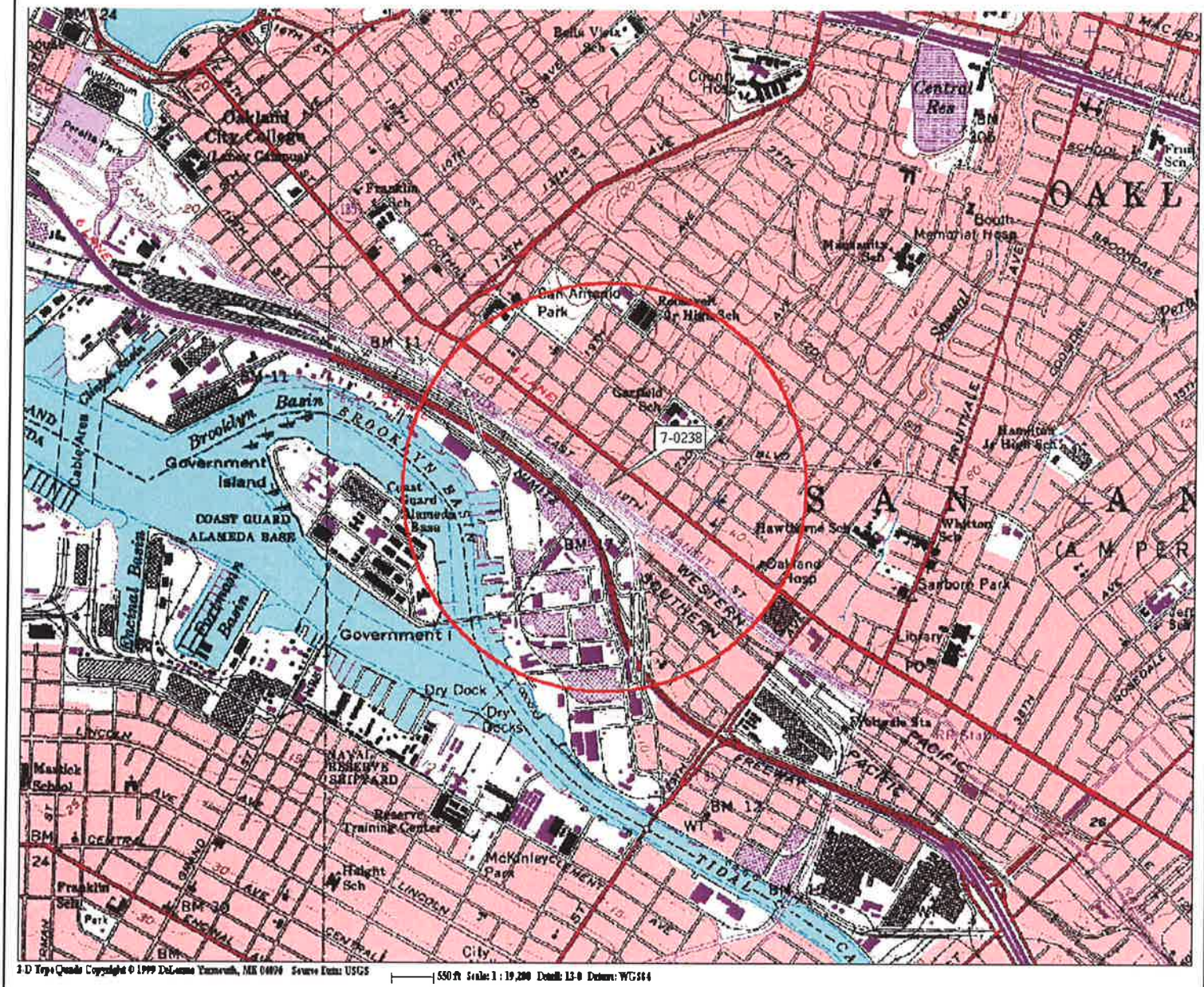
Plate 1	Site Vicinity Map
Plate 2	Select Analytical Results
Plate 3	Groundwater Elevation Map
Table 1A	Cumulative Groundwater Monitoring and Sampling Data
Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data
Table 1C	Additional Cumulative Groundwater Monitoring and Sampling Data -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

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

Mr. Shay Wideman, The Valero Companies, Environmental Liability Management, P.O. Box 696000, San Antonio, Texas 78269

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

FN 2293TOPO

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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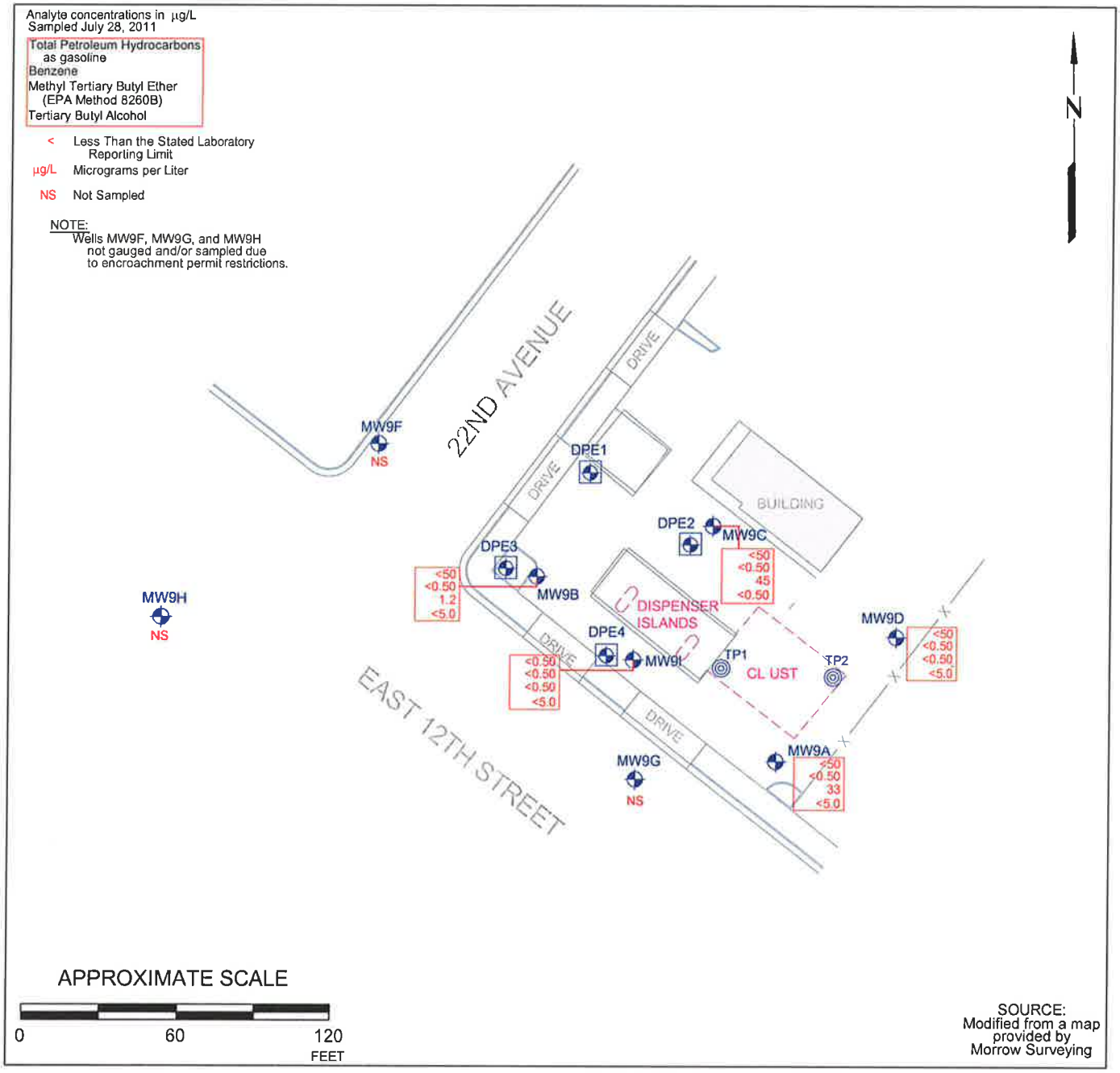
SITE VICINITY MAP

FORMER EXXON SERVICE STATION 70238
2200 East 12th Street
Oakland, California

PROJECT NO.
2293

PLATE
1



FN: 2293 11 3QTR_QM

EXPLANATION

MW9I
Groundwater Monitoring Well

DPE4
Dual-Phase Extraction Well

TP2
Tank Pit Well

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SELECT ANALYTICAL RESULTS
July 28, 2011

FORMER EXXON SERVICE STATION 70238
2200 East 12th Street
Oakland, California

PROJECT NO.
2293

PLATE
2

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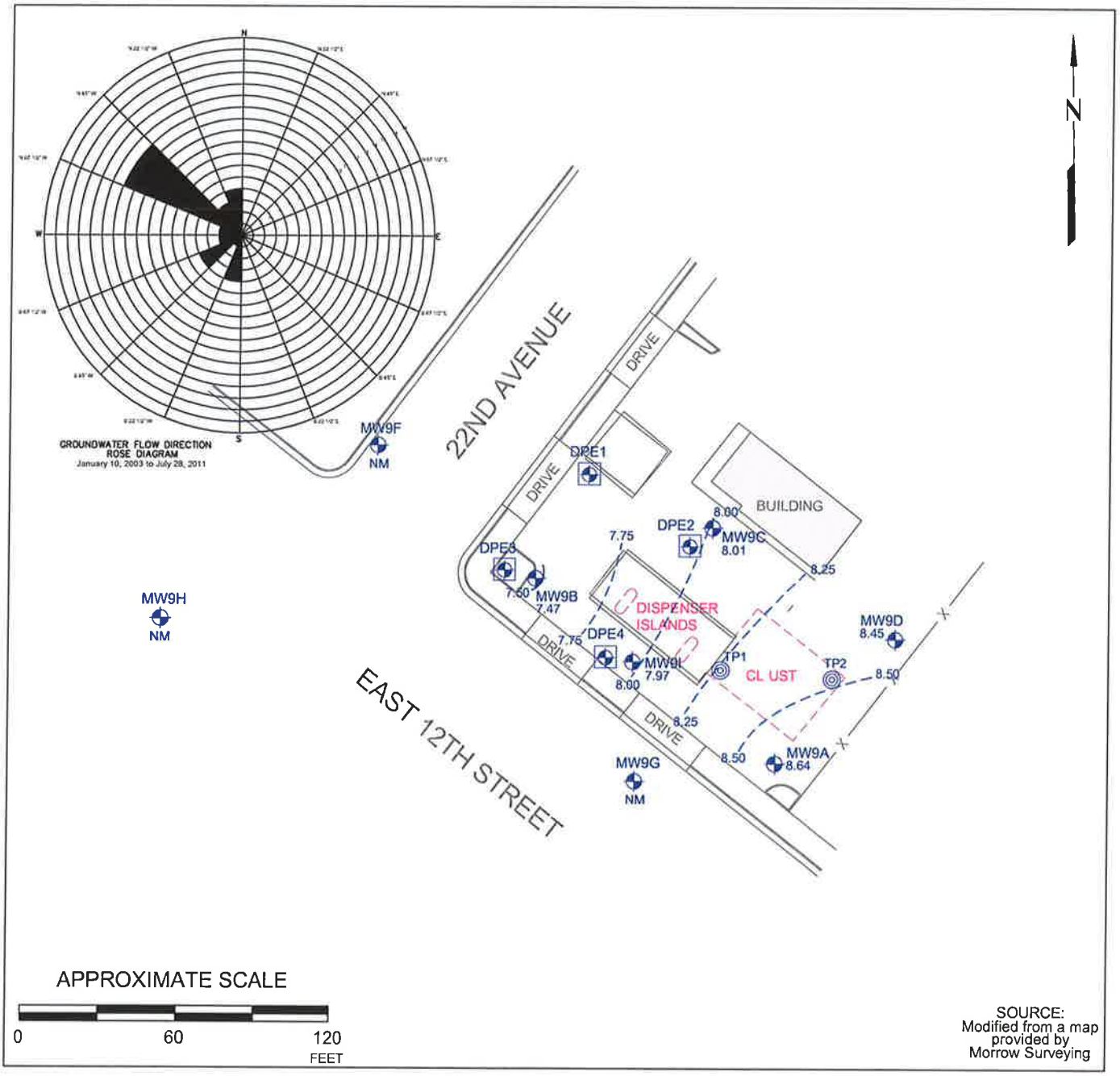

FN: 2293 11 3QTR_QM

EXPLANATION

MW9I
Groundwater Monitoring Well

7.97 Groundwater elevation in feet; datum is mean sea level

DPE4
Dual-Phase Extraction Well

TP2
Tank Pit Well

8.50 — — — Line of Equal Groundwater Elevation; datum is mean sea level

NM Not Measured

NOTE:
Wells MW9F, MW9G, and MW9H not gauged and/or sampled due to encroachment permit restrictions.

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GROUNDWATER ELEVATION MAP
July 28, 2011

FORMER EXXON SERVICE STATION 70238
2200 East 12th Street
Oakland, California

PROJECT NO.
2293

PLATE
3

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TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
Monitoring Well Samples												
MW9A	06/13/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9A	10/24/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9A	10/13/89	100.07 l	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9A	10/19/90	100.07 l	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	02/05/92	100.07 l	6.93	93.14	---	<50	---	---	1.1	1.8	0.6	1.3
MW9A	05/05/92	100.07 l	6.95	93.12	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	09/14/92	100.07 l	7.65	92.42	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	11/16/92	100.07 l	7.35	92.72	---	<50	---	---	1.1	<0.5	<0.5	<0.5
MW9A	02/03/93	100.07 l	7.85	92.22	---	140	---	---	17	19	1.6	20
MW9A	05/18/93	100.07 l	6.95	93.12	---	<50	---	---	0.8	<0.5	1.3	7
MW9A	08/26/93	100.07 l	7.14	92.93	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	11/04/93	100.07 l	7.23	92.84	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	02/04/94	100.07 l	6.70	93.37	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	05/31/94	100.07 l	6.74	93.33	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/26/94	11.46	7.06	4.40	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9A	05/15/95	11.46	6.32	5.14	---	<50	---	---	0.52	0.67	<0.5	<0.5
MW9A	11/02/95	11.46	7.16	4.30	No	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9A	04/26/96	11.46	6.33	5.13	No	---	---	---	---	---	---	---
MW9A	08/22/96	11.46	7.02	4.44	No	---	---	---	---	---	---	---
MW9A	02/24/97	11.46	---	---	---	---	---	---	---	---	---	---
MW9A	03/16/98	11.46	6.14	5.32	No	<200	40,000	---	7.9	<2.0	<2.0	<2.0
MW9A	04/21/98	11.46	6.29	5.17	No	<50	53,000	---	3.8	<0.5	<0.5	<0.5
MW9A	07/22/98	14.53	6.58	7.95	No	<250	18,000	---	<2.5	<2.5	<2.5	<2.5
MW9A	12/22/98	14.53	6.47	8.06	No	<50	5,200	---	<0.5	<0.5	<0.5	<0.5
MW9A	02/26/99	14.53	6.38	8.15	No	<100	10,000	---	<1.0	<1.0	<1.0	<1.0
MW9A	05/27/99 a	14.53	6.56	7.97	No	<5,000	15,300	---	<50	<50	<50	<50
MW9A	08/03/99	14.53	9.39	5.14	No	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9A	12/03/99	14.53	6.52	8.01	No	<50	1,400	---	<0.5	<0.5	<0.5	0.67b
MW9A	02/29/00	14.53	5.31	9.22	No	<50	20,000	---	1.2	<0.5	<0.5	<0.5
MW9A	05/18/00	14.53	6.31	8.22	No	<50	14,000	11,000	<0.5	<0.5	<0.5	<0.5
MW9A	07/24/00	14.53	6.54	7.99	No	<50	7,400	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/09/00	14.53	6.00	8.53	No	<50	2,300	---	<0.5	<0.5	<0.5	<0.5
MW9A	01/10/01	14.53	6.34	8.19	No	<50	3,700	---	<0.5	<0.5	<0.5	<0.5
MW9A	04/10/01	14.53	9.31	5.22	No	<50	11,000	---	<0.5	<0.5	<0.5	<0.5
MW9A	07/12/01	14.53	---	---	No	<50	3,600	---	<0.5	<0.5	<0.5	<0.5
MW9A	08/17/01 c	14.53	6.61	7.92	---	---	---	---	---	---	---	---
MW9A	10/11/01	14.53	7.03	7.50	No	<50	1,700	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/11/01	14.51	Well surveyed in compliance with AB2886 requirements.									
MW9A	01/11/02	14.51	5.93	8.58	No	2,090e	31,000e	---	18.6e	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9A	04/12/02	14.51	6.41	8.10	No	34,300	32,200	---	<5.00	<5.00	<5.00	<5.00
MW9A	07/12/02	14.51	6.64	7.87	No	6,760	8,070	---	<0.5	<0.5	<0.5	<0.5
MW9A	10/11/02	14.51	6.76	7.75	No	2,420	2,860	3,040	<0.5	<0.5	<0.5	<0.5
MW9A	01/10/03	14.51	5.90	8.61	No	38,800	51,900	---	103	15.0	<5.0	13.0
MW9A	04/09/03	14.51	6.38	8.13	No	34,200	38,600	---	14.0	<5.0	<5.0	<5.0
MW9A	07/22/03	14.51	6.56	7.95	No	20,200	19,500	---	0.50	<0.5	<0.5	<0.5
MW9A	10/01/03	14.51	6.72	7.79	No	9,460	---	7,620	0.70	<0.5	<0.5	<0.5
MW9A	01/06/04	14.51	5.89	8.62	No	8,540	11,600	---	<0.50	<0.5	<0.5	<0.5
MW9A	06/07/04	14.51	6.80	7.71	No	3,470	---	5,600	<0.50	<0.5	<0.5	<0.5
MW9A	08/30/04	14.51	Well inaccessible.									
MW9A	12/13/04	14.51	5.99	8.52	No	1,130	---	1,360	<0.50	<0.5	<0.5	<0.5
MW9A	03/14/05	14.51	6.03	8.48	No	2,150	---	2,560	0.80	<0.5	<0.5	<0.5
MW9A	06/08/05	14.51	14.33	0.18	No	1,610	---	2,040	<0.50	<0.5	<0.5	<0.5
MW9A	09/01/05	14.51	6.50	8.01	No	1,020	---	1,320	<0.50	<0.50	<0.50	<0.50
MW9A	12/09/05 i	14.51	16.50	-1.99	No	1,140	---	801	1.16	<0.50	<0.50	<0.50
MW9A	12/30/05	14.51	5.21	9.30	No	---	---	---	---	---	---	---
MW9A	03/07/06	14.51	16.01	-1.50	No	400	---	560	<2.5	<2.5	<2.5	<2.5
MW9A	06/26/06	14.51	6.10	8.41	No	390	---	430	<2.5	<2.5	<2.5	<2.5
MW9A	09/25/06	14.51	6.54	7.97	No	150	---	172	<0.50	<0.50	<0.50	<0.50
MW9A	12/15/06	14.51	16.21	-1.70	No	250k	---	190	<2.5	<2.5	<2.5	<2.5
MW9A	03/29/07	14.51	7.95	6.56	No	173	---	144	<0.50	<0.50	<0.50	0.54
MW9A	06/12/07	14.51	6.49	8.02	No	69k	---	77	<0.50	<0.50	<0.50	<0.50
MW9A	08/23/07	14.51	6.48	8.03	No	<50	---	46	<0.50	<0.50	<0.50	<0.50
MW9A	11/27/07	14.51	6.61	7.90	No	<50	---	36	<0.50	<0.50	<0.50	<0.50
MW9A	02/01/08	14.51	5.56	8.95	No	<50	---	14	<0.50	<0.50	<0.50	<0.50
MW9A	05/19/08	14.51	6.59	7.92	No	<50	---	43	<0.50	<0.50	<0.50	<0.50
MW9A	08/01/08	14.51	6.57	7.94	No	<50	---	41	<0.50	<0.50	<0.50	<0.50
MW9A	10/07/08	14.51	6.32	8.19	No	<50	---	19	<0.50	<0.50	<0.50	<0.50
MW9A	01/30/09	14.51	5.96	8.55	No	<50	---	37	<0.50	<0.50	<0.50	<0.50
MW9A	04/01/09	14.51	5.95	8.56	No	68	---	91	<0.50	<0.50	<0.50	<0.50
MW9A	07/02/09	14.51	6.11	8.40	No	<50	---	40	<0.50	<0.50	<0.50	<0.50
MW9A	01/11/10	14.51	Well inaccessible.									
MW9A	03/02/10	14.51	5.31	9.20	No	<50	---	40	<0.50	<0.50	<0.50	<0.50
MW9A	07/01/10	14.51	6.13	8.38	No	53m	---	59	<0.50	<0.50	<0.50	<1.0
MW9A	03/10/11	14.51	5.44	9.07	No	<50	---	31	<0.50	<0.50	<0.50	<1.0
MW9A	**07/28/11**	**14.51**	**5.87**	**8.64**	**No**	**<50**	**---**	**33**	**<0.50**	**<0.50**	**<0.50**	**<1.0**
MW9B	06/13/88	---	---	---	---	---	---	---	350	7.8	66	160
MW9B	10/24/88	---	---	---	---	---	---	---	84	<1.0	3.1	3.2
MW9B	10/13/89	98.41 I	---	---	---	---	---	---	4.1	<0.5	<0.5	<3.0
MW9B	10/19/90	98.41 I	---	---	---	62	---	---	27	<0.5	2.3	<0.5
MW9B	02/05/92	98.41 I	5.95	92.46	---	60	---	---	14	<0.5	2.9	2.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9B	05/05/92	98.41 l	5.92	92.49	---	620	---	---	180	2.4	8.4	2.2
MW9B	09/14/92	98.41 l	6.60	91.81	---	110	---	---	9.6	<0.5	<0.5	<0.5
MW9B	11/16/92	98.41 l	6.35	92.06	---	200	---	---	33	<0.5	4.2	1.4
MW9B	02/03/93	98.41 l	6.50	91.91	---	12,000	---	---	320	13	35	110
MW9B	05/18/93	98.41 l	6.42	91.99	---	180	---	---	1.1	<0.5	2.6	5.9
MW9B	08/26/93	98.41 l	6.28	92.13	---	180	---	---	36	<0.5	3	1.7
MW9B	11/04/93	98.41 l	6.23	92.18	---	98	---	---	13	<0.5	1.4	<0.5
MW9B	02/04/94	98.41 l	5.92	92.49	---	790	---	---	170	1.3	12	0.8
MW9B	05/31/94	98.41 l	9.22	89.19	---	1,000	---	---	150	2.5	8.0	2.1
MW9B	10/26/94	9.80	6.04	3.76	---	84	---	---	2.8	0.72	<0.5	<0.5
MW9B	05/15/95	9.80	5.34	4.46	---	2,800	---	---	420	25	27	6.7
MW9B	11/02/95	9.80	6.14	3.66	No	130	<10	---	3.3	<0.5	<0.5	<0.5
MW9B	04/26/96	9.80	5.66	4.14	No	270	70	---	130	2.8	6.7	<3
MW9B	08/22/96	9.80	6.16	3.64	No	210	31	---	5.7	6.8	1.1	9.2
MW9B	02/24/97	9.80	5.58	4.22	No	1,400	1,300	---	76	1.4	4.1	1.2
MW9B	03/16/98	12.83	5.32	7.51	No	860	1,500	---	140	2.0	1.1	<2.0
MW9B	04/21/98	12.83	5.49	7.34	No	1,800	18,000	---	300	<5.0	7.9	<5.0
MW9B	07/22/98	12.83	5.79	7.04	No	<500	26,000	---	13	<5.0	<5.0	<5.0
MW9B	12/22/98	12.83	5.69	7.14	No	700	21,000	---	110	3.1	9.1	14
MW9B	02/26/99	12.83	5.10	7.73	No	8,800	8,000	---	2,000	<25	52	38
MW9B	05/18/99	12.83	5.65	7.18	No	<10,000	42,100	---	158	<100	<100	<100
MW9B	08/03/99	12.83	6.24	6.59	No	960	24,900	---	<5.0	<5.0	<5.0	<5.0
MW9B	12/03/99	12.83	5.66	7.17	No	<50	1,000	---	<0.5	<0.5	<0.5	<0.5
MW9B	02/29/00	12.83	4.61	8.22	No	3,100	25,000	---	900	7	23	7.1
MW9B	05/18/00	12.83	5.54	7.29	No	780	34,000	26,000	150	<2.5	4.5	<2.5
MW9B	07/24/00	12.83	8.75	4.08	No	<250	39,000	---	8	<2.5	<2.5	<2.5
MW9B	10/09/00	12.83	4.84	7.99	No	<1,200	30,000	---	1.7	<0.5	<0.5	<0.5
MW9B	01/10/01	12.83	5.56	7.27	No	<250	32,000	---	5.3	<0.5	<0.5	<0.5
MW9B	04/10/01	12.83	5.40	7.43	No	360	27,000	---	69.0	<2.5	22.0	29.8
MW9B	07/12/01	12.83	---	---	No	<250	41,000	---	<2.5	<2.5	<2.5	<2.5
MW9B	08/17/01 c	12.83	5.83	7.00	---	---	---	---	---	---	---	---
MW9B	10/11/01	12.83	8.70	4.13	No	<250	24,000	---	<2.5	<2.5	<2.5	<2.5
MW9B	11/01/01	12.84	Well surveyed in compliance with AB2886 requirements.									
MW9B	01/11/02	12.84	5.16	7.68	No	9,170e	14,600e	---	66.0e	<10.0	54.0	<10.0
MW9B	04/12/02	12.84	5.57	7.27	No	29,600	28,600	---	12.0	<5.00	<5.00	<5.00
MW9B	07/12/02	12.84	5.81	7.03	No	20,200	27,700	---	<10.0	14.0	<10.0	16.0
MW9B	10/11/02 f	12.84	5.91	6.93	No	18,900	24,300	28,200	2.3	<0.5	<0.5	<0.5
MW9B	01/10/03	12.84	5.09	7.75	No	14,900	18,600	---	118	1.0	6.5	3.6
MW9B	04/09/03	12.84	5.51	7.33	No	21,800	24,900	---	51.0	<5.0	<5.0	<5.0
MW9B	07/22/03	12.84	6.09	6.75	No	33,500	36,900	---	<0.50	<0.5	<0.5	<0.5
MW9B	10/01/03	12.84	6.16	6.68	No	25,500	---	19,100	1.10	<0.5	<0.5	<0.5
MW9B	01/06/04	12.84	5.14	7.70	No	10,400	---	15,700	16.9	1.8	18.6	1.7

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9B	06/07/04	12.84	9.47	3.37	No	3,910	---	1,960	<0.50	<0.5	<0.5	<0.5
MW9B	08/30/04	12.84	h	h	h	954h	---	925h	<0.50h	<0.5h	<0.5	<0.5h
MW9B	12/13/04	12.84	4.96	7.88	No	233	---	140	0.90	<0.5	<0.5	<0.5
MW9B	03/14/05	12.84	5.52	7.32	No	523	---	504	<0.50	<0.5	<0.5	<0.5
MW9B	06/08/05	12.84	6.70	6.14	No	114	---	130	<0.50	<0.5	<0.5	<0.5
MW9B	09/01/05	12.84	5.92	6.92	No	90.5	---	82.6	0.55	<0.50	<0.50	<0.50
MW9B	12/09/05	12.84	8.46	4.38	No	207	---	149	<0.50	<0.50	<0.50	<0.50
MW9B	12/30/05	12.84	4.59	8.25	No	---	---	---	---	---	---	---
MW9B	03/07/06	12.84	6.41	6.43	No	98	---	64	<0.50	<0.50	<0.50	<0.50
MW9B	06/26/06	12.84	5.71	7.13	No	130	---	39	0.63	<0.50	0.53	0.53
MW9B	09/25/06	12.84	6.35	6.49	No	<50.0	---	7.40	<0.50	<0.50	<0.50	<0.50
MW9B	12/15/06	12.84	6.77	6.07	No	<50	---	11	<0.50	<0.50	<0.50	<0.50
MW9B	03/29/07	12.84	6.40	6.44	No	197	---	225	<0.50	<0.50	<0.50	0.59
MW9B	06/12/07	12.84	6.05	6.79	No	53k	---	52	<0.50	<0.50	<0.50	<0.50
MW9B	08/23/07	12.84	7.17	5.67	No	140k	---	230	<0.50	<0.50	<0.50	<0.50
MW9B	11/27/07	12.84	6.63	6.21	No	<50	---	36	<0.50	<0.50	<0.50	<0.50
MW9B	02/01/08	12.84	5.31	7.53	No	<50	---	15	<0.50	<0.50	<0.50	<0.50
MW9B	05/19/08	12.84	6.65	6.19	No	51k	---	73	<0.50	<0.50	<0.50	<0.50
MW9B	08/01/08	12.84	6.15	6.69	No	<50	---	63	<0.50	<0.50	<0.50	<0.50
MW9B	10/07/08	12.84	5.76	7.08	No	<50	---	6.3	<0.50	<0.50	<0.50	<0.50
MW9B	01/30/09	12.84	5.62	7.22	No	<50	---	4.5	<0.50	<0.50	<0.50	<0.50
MW9B	04/01/09	12.84	5.36	7.48	No	<50	---	2.8	<0.50	<0.50	<0.50	<0.50
MW9B	07/02/09	12.84	5.65	7.19	No	<50	---	1.4	<0.50	<0.50	<0.50	<0.50
MW9B	01/11/10	12.84	5.66	7.18	No	<50	---	2.6	<0.50	<0.50	<0.50	<0.50
MW9B	07/01/10	12.84	5.58	7.26	No	<50	---	1.1	<0.50	<0.50	<0.50	<1.0
MW9B	03/10/11	12.84	4.94	7.90	No	<50	---	2.5	<0.50	<0.50	<0.50	<1.0
MW9B	**07/28/11**	**12.84**	**5.37**	**7.47**	**No**	**<50**	**---**	**1.2**	**<0.50**	**<0.50**	**<0.50**	**<1.0**
MW9C	06/13/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9C	10/24/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9C	10/13/89	99.73 I	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9C	10/19/90	99.73 I	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	02/05/92	99.73 I	6.44	93.29	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/05/92	99.73 I	6.50	93.23	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	09/14/92	99.73 I	7.00	92.73	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	11/16/92	99.73 I	6.72	93.01	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	02/03/93	99.73 I	5.75	93.98	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/18/93	99.73 I	6.72	93.01	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	08/26/93	99.73 I	6.84	92.89	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	11/04/93	99.73 I	6.90	92.83	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	02/04/94	99.73 I	6.28	93.45	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/31/94	99.73 I	6.42	93.31	---	---	---	---	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9C	10/26/94	11.14	6.80	4.34	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	05/15/95	11.14	5.72	5.42	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	11/02/95	11.14	6.88	4.26	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	04/26/96	11.14	6.28	4.86	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	08/22/96	11.14	6.65	4.49	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9C	03/16/98	11.14	5.51	5.63	No	<500	150,000	---	24	<5.0	<5.0	<5.0
MW9C	04/21/98	11.14	5.83	5.31	No	150	130,000	150,000	<0.5	<0.5	<0.5	<0.5
MW9C	07/22/98	14.19	6.43	7.76	No	<500	95,000	---	<5.0	<5.0	<5.0	<5.0
MW9C	12/22/98	14.19	6.16	8.03	No	<500	84,000	---	<5.0	<5.0	<5.0	<5.0
MW9C	02/26/99	14.19	5.46	8.73	No	<250	55,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/99	14.19	6.27	7.92	No	<25,000	68,900	---	<250	<250	<250	<250
MW9C	08/03/99	14.19	7.13	7.06	No	210	69,200	---	<1.0	1.3	<1.0	<1.0
MW9C	12/03/99	14.19	6.17	8.02	No	290	50,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	02/29/00	14.19	4.49	9.70	No	<250	40,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	05/18/00	14.19	5.96	8.23	No	<250	46,000	33,000	<2.5	<2.5	<2.5	<2.5
MW9C	07/24/00	14.19	6.47	7.72	No	<250	44,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	10/09/00	14.19	6.57	7.62	No	<250	39,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	01/10/01	14.19	6.09	8.10	No	<250	42,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	04/10/01	14.19	7.88	6.31	No	<250	35,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	07/12/01	14.19	---	---	No	<250	32,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	08/17/01 c	14.19	6.60	7.59	---	---	---	---	---	---	---	---
MW9C	10/11/01	14.19	6.67	7.52	No	<250	53,000	---	<2.5	<2.5	<2.5	<2.5
MW9C	11/01/01	14.16	Well surveyed in compliance with AB2886 requirements.									
MW9C	01/11/02	14.16	5.29	8.87	No	2,470e	90,000e	---	0.90e	<0.50	<0.50	<0.50
MW9C	04/12/02	14.16	6.14	8.02	No	70,400	66,800	---	<5.00	<5.00	<5.00	<5.00
MW9C	07/12/02	14.16	6.54	7.62	No	50,900	58,300	---	<500	<500	<500	<500
MW9C	10/11/02	14.16	6.73	7.43	No	52,100	58,800	76,000	<10.0	<10.0	<10.0	<10.0
MW9C	01/10/03	14.16	5.21	8.95	No	40,600	55,500	---	<0.5	<0.5	<0.5	<0.5
MW9C	04/09/03	14.16	6.08	8.08	No	24,700	29,600	---	<5.00	<5.0	<5.0	<5.0
MW9C	07/22/03	14.16	6.47	7.69	No	13,800	13,100	---	1.40	<0.5	<0.5	<0.5
MW9C	10/01/03	14.16	6.62	7.54	No	9,100	---	38,400	0.70	<0.5	<0.5	<0.5
MW9C	01/06/04	14.16	4.86	9.30	No	4,160	---	5,020	0.70	<0.5	<0.5	<0.5
MW9C	06/07/04	14.16	7.35	6.81	No	4,480	---	3,420	<0.50	<0.5	<0.5	<0.5
MW9C	08/30/04	14.16	h	h	h	1,950h	---	1,950h	<0.50h	<0.5h	<0.5h	<0.5h
MW9C	12/13/04	14.16	5.03	9.13	No	610	---	705	<0.50	<0.5	<0.5	<0.5
MW9C	03/14/05	14.16	5.63	8.53	No	906	---	1,110	<0.50	<0.5	<0.5	<0.5
MW9C	06/08/05	14.16	12.75	1.41	No	854	---	1,100	<0.50	<0.5	<0.5	<0.5
MW9C	09/01/05	14.16	6.95	7.21	No	361	---	409	<0.50	<0.50	<0.50	<0.50
MW9C	12/09/05	14.16	7.54	6.62	No	217	---	171	<0.50	<0.50	<0.50	<0.50
MW9C	12/30/05	14.16	4.21	9.95	No	---	---	---	---	---	---	---
MW9C	03/07/06	14.16	12.48	1.68	No	320	---	480	<2.0	<2.0	<2.0	<2.0
MW9C	06/26/06	14.16	6.36	7.80	No	350	---	300	<2.0	<2.0	<2.0	<2.0

TABLE 1A
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Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9C	09/25/06	14.16	6.71	7.45	No	136	---	234	<0.50	<0.50	<0.50	<0.50
MW9C	12/15/06	14.16	12.21	1.95	No	190k	---	260	<1.0	<1.0	<1.0	<1.0
MW9C	03/29/07	14.16	12.30	1.86	No	483	---	396	<0.50	<0.50	<0.50	<0.50
MW9C	06/12/07	14.16	6.97	7.19	No	200k	---	250	<1.0	<1.0	<1.0	<1.0
MW9C	08/23/07	14.16	6.84	7.32	No	55k	---	51	<0.50	<0.50	<0.50	<0.50
MW9C	11/27/07	14.16	11.73	2.43	No	170k	---	230	<1.0	<1.0	<1.0	<1.0
MW9C	02/01/08	14.16	11.22	2.94	No	77k	---	130	<0.50	<0.50	<0.50	0.77
MW9C	05/19/08	14.16	10.70	3.46	No	75k	---	110	<0.50	<0.50	<0.50	<0.50
MW9C	08/01/08	14.16	7.24	6.92	No	61k	---	89	<0.50	<0.50	<0.50	<0.50
MW9C	10/07/08	14.16	6.67	7.49	No	120	---	150	<5.0	<5.0	<5.0	<5.0
MW9C	01/30/09	14.16	6.08	8.08	No	80	---	130	<0.50	<0.50	<0.50	<0.50
MW9C	04/01/09	14.16	5.98	8.18	No	91	---	12	<0.50	<0.50	<0.50	<0.50
MW9C	07/02/09	14.16	6.45	7.71	No	<50	---	69	<2.0	<2.0	<2.0	<2.0
MW9C	01/11/10	14.16	6.17	7.99	No	100	---	110	<0.50	<0.50	<0.50	<0.50
MW9C	07/01/10	14.16	6.27	7.89	No	72m	---	85	<0.50	<0.50	<0.50	<1.0
MW9C	03/10/11 n	14.16	5.10	9.06	No	<50	---	61	<0.50	<0.50	<0.50	<1.0
MW9C	**07/28/11**	**14.16**	**6.15**	**8.01**	**No**	**<50**	**---**	**45**	**<0.50**	**<0.50**	**<0.50**	**<1.0**
MW9D	10/24/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9D	10/13/89	101.46 l	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9D	10/19/90	101.46 l	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/05/92	101.46 l	7.78	93.68	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/05/92	101.46 l	7.90	93.56	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	09/14/92	101.46 l	8.45	93.01	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/16/92	101.46 l	8.10	93.36	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/03/93	101.46 l	7.07	94.39	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/93	101.46 l	7.85	93.61	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	08/26/93	101.46 l	8.30	93.16	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/04/93	101.46 l	8.33	93.13	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/04/94	101.46 l	7.66	93.80	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/31/94	101.46 l	6.80	94.66	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	10/26/94	12.90	8.34	4.56	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/15/95	12.90	7.22	5.68	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/02/95	12.90	8.31	4.59	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	04/26/96	12.90	7.58	5.32	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	08/22/96	12.90	8.12	4.78	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9D	03/16/98	12.90	6.94	5.96	No	<50	10	---	<0.5	<0.5	<0.5	<0.5
MW9D	04/21/98	12.90	7.22	5.68	No	<50	12	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/22/98	15.98	7.85	8.13	No	<50	13	---	<0.5	<0.5	<0.5	<0.5
MW9D	12/22/98	15.98	7.58	8.40	No	<50	12	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/26/99	15.98	6.42	9.56	No	<50	310	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/99	15.98	6.55	9.43	No	<2,500	13,500	---	<25	<25	<25	<25

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9D	08/03/99	15.98	8.34	7.64	No	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9D	12/03/99	15.98	7.56	8.42	No	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9D	02/29/00	15.98	4.82	11.16	No	<50	2.5	---	<0.5	<0.5	<0.5	<0.5
MW9D	05/18/00	15.98	7.40	8.58	No	<50	6.2	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/24/00	15.98	7.91	8.07	No	<50	14	---	<0.5	<0.5	0.85	0.74
MW9D	10/09/00	15.98	8.02	7.96	No	<50	14	---	<0.5	<0.5	<0.5	<0.5
MW9D	01/10/01	15.98	7.26	8.72	No	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9D	04/10/01	15.98	7.32	8.66	No	<50	14	---	<0.5	<0.5	<0.5	<0.5
MW9D	07/12/01	15.98	---	---	No	<50	22	---	<0.5	<0.5	<0.5	<0.5
MW9D	08/17/01	15.98	Well inaccessible.									
MW9D	10/11/01	15.98	8.16	7.82	No	<50	24	---	<0.5	<0.5	<0.5	<0.5
MW9D	11/01/01	15.97	Well surveyed in compliance with AB2886 requirements.									
MW9D	01/11/02	15.97	6.64	9.33	No	352e	2.0e	---	<0.50	<0.50	<0.50	<0.50
MW9D	04/12/02	15.97	7.58	8.39	No	191	192	---	<0.50	<0.50	<0.50	<0.50
MW9D	07/12/02	15.97	8.01	7.96	No	108	124	---	<0.5	<0.5	<0.5	<0.5
MW9D	10/11/02	15.97	8.13	7.84	No	187	243	---	<0.5	<0.5	<0.5	<0.5
MW9D	01/10/03	15.97	5.98	9.99	No	386	132	---	4.1	<0.5	<0.5	<0.5
MW9D	04/09/03	15.97	7.53	8.44	No	468	292	---	3.80	<0.5	<0.5	<0.5
MW9D	07/22/03	15.97	7.87	8.10	No	446	339	---	0.70	<0.5	<0.5	<0.5
MW9D	10/01/03	15.97	8.04	7.93	No	402	---	362	<0.50	<0.5	<0.5	<0.5
MW9D	01/06/04	15.97	6.31	9.66	No	72.2	---	80.9	<0.50	<0.5	<0.5	<0.5
MW9D	06/07/04	15.97	8.17	7.80	No	237	---	353	<0.50	<0.5	<0.5	<0.5
MW9D	08/30/04	15.97	Well inaccessible.									
MW9D	12/13/04	15.97	5.39	10.58	No	379	---	353	4.80	0.7	<0.5	0.9
MW9D	03/14/05	15.97	6.93	9.04	No	<50.0	---	13.8	<0.50	<0.5	<0.5	<0.5
MW9D	06/08/05	15.97	8.83	7.14	No	<50.0	---	57.2	<0.50	<0.5	<0.5	<0.5
MW9D	09/01/05	15.97	7.99	7.98	No	64.3	---	51.8	<0.50	<0.50	<0.50	<0.50
MW9D	12/09/05	15.97	7.96	8.01	No	56.3	---	33.0	<0.50	<0.50	<0.50	<0.50
MW9D	12/30/05	15.97	Well inaccessible.									
MW9D	03/07/06	15.97	6.19	9.78	No	<50	---	9.3	<0.50	<0.50	<0.50	<0.50
MW9D	06/26/06	15.97	7.68	8.29	No	<50	---	9.7	<0.50	<0.50	<0.50	<0.50
MW9D	09/25/06	15.97	8.00	7.97	No	<50.0	---	13.8	<0.50	<0.50	<0.50	<0.50
MW9D	12/15/06	15.97	6.91	9.06	No	<50	---	11	<0.50	<0.50	<0.50	<0.50
MW9D	03/29/07	15.97	8.53	7.44	No	<50	---	6.91	<0.50	<0.50	<0.50	<0.50
MW9D	06/12/07	15.97	8.21	7.76	No	<50	---	9.8	<0.50	<0.50	<0.50	<0.50
MW9D	08/23/07	15.97	8.27	7.70	No	<50	---	15	<0.50	<0.50	<0.50	<0.50
MW9D	11/27/07	15.97	8.67	7.30	No	<50	---	21	<0.50	<0.50	<0.50	<0.50
MW9D	02/01/08	15.97	6.24	9.73	No	<50	---	4.7	<0.50	<0.50	<0.50	<0.50
MW9D	05/19/08	15.97	8.64	7.33	No	<50	---	9.2	<0.50	<0.50	<0.50	<0.50
MW9D	08/01/08	15.97	8.45	7.52	No	<50	---	13	<0.50	<0.50	<0.50	<0.50
MW9D	10/07/08	15.97	8.00	7.97	No	<50	---	14	<0.50	<0.50	<0.50	<0.50
MW9D	01/30/09	15.97	7.42	8.55	No	<50	---	7.3	<0.50	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9D	04/01/09	15.97	7.34	8.63	No	<50	---	2.2	<0.50	<0.50	<0.50	<0.50
MW9D	07/02/09	15.97	7.71	8.26	No	<50	---	2.4	<0.50	<0.50	<0.50	<0.50
MW9D	01/11/10	15.97	7.13	8.84	No	<50	---	2.6	<0.50	<0.50	<0.50	<0.50
MW9D	07/01/10	15.97	7.62	8.35	No	<50	---	0.92	<0.50	<0.50	<0.50	<1.0
MW9D	03/10/11	15.97	6.51	9.46	No	<50	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW9D	**07/28/11**	**15.97**	**7.52**	**8.45**	**No**	**<50**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**
MW9E	10/24/88	---	---	---	---	---	---	---	1.3	<1.0	<2.0	<1.0
MW9E	10/13/89	---	---	---	---	---	---	---	15	<0.5	2.1	<3.0
MW9E	10/19/90	---	---	---	---	<50	---	---	4.0	<0.5	0.9	<0.5
MW9E	Oct-90	Well destroyed.										
MW9F	12/06/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9F	10/13/89	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9F	10/19/90	---	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/05/92	96.96 I	5.81	91.15	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/05/92	96.96 I	5.86	91.10	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	09/14/92	96.96 I	---	---	---	---	---	---	---	---	---	---
MW9F	11/16/92	96.96 I	5.82	91.14	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/03/93	96.96 I	5.55	91.41	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/18/93	96.96 I	5.86	91.10	---	---	---	---	---	---	---	---
MW9F	05/19/93	96.96 I	---	---	---	<50	---	---	<0.5	---	1.2	6.8
MW9F	08/26/93	96.96 I	5.86	91.10	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	11/04/93	96.96 I	5.96	91.00	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/04/94	96.96 I	5.68	91.28	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/31/94	96.96 I	5.76	91.20	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	10/26/94	8.37	5.96	2.41	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/15/95	8.37	5.52	2.85	---	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9F	11/02/95	8.37	6.60	1.77	---	---	---	---	---	---	---	---
MW9F	04/26/96	8.37	6.50	1.87	No	<50	57	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/22/96	8.37	5.74	2.63	No	<50	5.8	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/24/97	8.37	---	---	No	<50	<30	---	<0.5	<0.5	<0.5	<0.5
MW9F	03/16/98	8.37	---	---	No	---	---	---	---	---	---	---
MW9F	04/21/98	8.37	---	---	---	---	---	---	---	---	---	---
MW9F	07/22/98	11.38	---	---	---	---	---	---	---	---	---	---
MW9F	12/22/98	11.38	5.47	5.91	No	<50	81	---	<0.5	<0.5	<0.5	<0.5
MW9F	02/26/99	11.38	5.35	6.03	No	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/18/99	11.38	5.62	5.76	No	<50	61.6	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/03/99	11.38	6.32	5.06	No	<50	3.10	---	<0.5	<0.5	<0.5	<0.5
MW9F	12/03/99	11.38	5.59	5.79	No	<50	<2	---	<0.5	<0.5	0.71	<0.5
MW9F	02/29/00	11.38	4.70	6.68	No	<50	52	---	<0.5	<0.5	<0.5	<0.5
MW9F	05/18/00	11.38	5.37	6.01	No	<50	65	---	<0.5	<0.5	<0.5	<0.5

TABLE 1A
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Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9F	07/24/00	11.38	5.65	5.73	No	<50	170	---	<0.5	<0.5	<0.5	<0.5
MW9F	10/09/00	11.38	5.71	5.67	No	<50	170	---	<0.5	<0.5	<0.5	<0.5
MW9F	01/10/01	11.38	4.30	7.08	No	<50	140	---	<0.5	<0.5	<0.5	<0.5
MW9F	04/10/01	11.38	5.20	6.18	No	<50	50	---	<0.5	<0.5	<0.5	<0.5
MW9F	07/12/01	11.38	---	---	No	<50	190	---	<0.5	<0.5	<0.5	<0.5
MW9F	08/17/01	11.38	Well inaccessible.									
MW9F	10/11/01	11.38	5.82	5.56	No	<50	260	---	<0.5	<0.5	<0.5	<0.5
MW9F	11/01/01	11.38	Well surveyed in compliance with AB2886 requirements.									
MW9F	01/11/02	11.38	5.12	6.26	No	<100	67.0e	---	<1.00	<1.00	<1.00	<1.00
MW9F	04/12/02	11.38	5.50	5.88	No	55.9	58.6	---	<0.50	<0.50	<0.50	<0.50
MW9F	07/12/02	11.38	5.65	5.73	No	102	121	---	<0.5	<0.5	<0.5	<0.5
MW9F	10/11/02	11.38	5.67	5.71	No	99.9	128	138	<0.5	<0.5	<0.5	<0.5
MW9F	01/10/03	11.38	5.09	6.29	No	<50.0	45.5	---	<0.5	<0.5	<0.5	<0.5
MW9F	04/09/03	11.38	5.39	5.99	No	<50.0	50.8	---	<0.50	<0.5	<0.5	<0.5
MW9F	07/22/03	11.38	5.52	5.86	No	82.3	64.0	---	<0.50	<0.5	<0.5	<0.5
MW9F	10/01/03	11.38	5.59	5.79	No	67.0	--	56.4	<0.50	<0.5	<0.5	<0.5
MW9F	01/06/04	11.38	5.21	6.17	No	<50.0	--	36.7	<0.50	<0.5	<0.5	<0.5
MW9F	06/07/04	11.38	6.03	5.35	No	<50.0	--	20.5	<0.50	<0.5	<0.5	<0.5
MW9F	08/30/04	11.38	h	h	h	<50.0h	--	14.0h	<0.50h	<0.5h	<0.5h	<0.5h
MW9F	12/13/04	11.38	4.80	6.58	No	<50.0	--	13.4	<0.50	<0.5	<0.5	<0.5
MW9F	03/14/05	11.38	5.10	6.28	No	<50.0	--	4.20	<0.50	<0.5	<0.5	<0.5
MW9F	06/08/05	11.38	5.38	6.00	No	<50.0	--	8.70	<0.50	<0.5	<0.5	<0.5
MW9F	09/01/05	11.38	5.53	5.85	No	<50.0	---	19.6	<0.50	<0.50	<0.50	<0.50
MW9F	12/09/05	11.38	Well not gauged and/or sampled due to encroachment permit restrictions.									
MW9F	12/30/05	11.38	4.81	6.57	No	<50.0	---	7.01	<0.50	<0.50	<0.50	<0.50
MW9F	03/07/06	11.38	Well not gauged and/or sampled due to encroachment permit restrictions.									
MW9F	06/26/06	11.38	Well not gauged and/or sampled due to encroachment permit restrictions.									
MW9F	09/25/06	11.38	5.56	5.82	No	<50.0	---	6.52	<0.50	<0.50	<0.50	<0.50
MW9F	12/15/06	11.38	5.10	6.28	No	<50	---	7.2	<0.50	<0.50	<0.50	<0.50
MW9F	03/29/07- Present	Well not gauged and/or sampled due to encroachment permit restrictions.										
MW9G	12/06/88	---	---	---	---	---	---	---	0.8	<1.0	<2.0	<1.0
MW9G	10/13/89	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9G	10/19/90	---	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/05/92	98.51 I	5.59	92.92	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/05/92	98.51 I	5.60	92.91	---	<50	---	---	1.5	3.8	1	4.7
MW9G	09/14/92	98.51 I	---	---	---	---	---	---	---	---	---	---
MW9G	11/16/92	98.51 I	5.78	92.73	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/03/93	98.51 I	5.05	93.46	---	64	---	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/18/93	98.51 I	5.62	92.89	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9G	08/26/93	98.51 I	5.86	92.65	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9G	11/04/93	98.51 I	5.96	92.55	---	<50	---	---	<0.5	<0.5	<0.5	<0.5

TABLE 1A
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Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9G	02/04/94	98.51 I	5.48	93.03	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/31/94	98.51 I	5.50	93.01	---	---	---	---	---	---	---	---
MW9G	10/26/94	9.95	5.76	4.19	---	---	---	---	---	---	---	---
MW9G	05/15/95	9.95	4.88	5.07	---	---	---	---	---	---	---	---
MW9G	11/02/95	9.95	5.92	4.03	No	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/26/96	9.95	5.28	4.67	No	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9G	08/22/96	9.95	5.57	4.38	No	<50	18	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/24/97	9.95	5.30	4.65	No	<50	240	---	<0.5	0.57	<0.5	0.62
MW9G	03/16/98	9.95	---	---	---	---	---	---	---	---	---	---
MW9G	04/21/98	9.95	---	---	---	---	---	---	---	---	---	---
MW9G	07/22/98	12.99	---	---	---	---	---	---	---	---	---	---
MW9G	12/22/98	12.99	5.28	7.71	No	<50	1,100	---	<0.5	<0.5	<0.5	<0.5
MW9G	02/26/99	12.99	5.31	7.68	No	<50	50	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/18/99	12.99	5.18	7.81	No	<1,000	3,990	---	<10	<10	<10	<10
MW9G	08/03/99	12.99	6.00	6.99	No	<50	1,340	---	<0.5	<0.5	<0.5	<0.5
MW9G	12/03/99	12.99	5.27	7.72	No	<50	<2	---	<0.5	<0.5	<0.5	0.55b
MW9G	02/29/00	12.99	4.60	8.39	No	<50	7,900	---	<0.5	<0.5	<0.5	<0.5
MW9G	05/18/00	12.99	5.16	7.83	No	<50	2,400	---	<0.5	<0.5	<0.5	<0.5
MW9G	07/24/00	12.99	5.20	7.79	No	<50	1,000	---	<0.5	<0.5	<0.5	<0.5
MW9G	10/09/00	12.99	5.26	7.73	No	<50	180	---	<0.5	<0.5	<0.5	<0.5
MW9G	01/10/01	12.99	5.18	7.81	No	<50	1,200	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/10/01	12.99	5.08	7.91	No	<50	9,100	---	<0.5	<0.5	<0.5	<0.5
MW9G	07/12/01	12.99	---	---	No	<50	3,000	---	<0.5	<0.5	<0.5	<0.5
MW9G	08/17/01	12.99	Well inaccessible.									
MW9G	10/11/01	12.99	5.48	7.51	No	<50	1,600	---	<0.5	<0.5	<0.5	<0.5
MW9G	11/01/01	12.98	Well surveyed in compliance with AB2886 requirements.									
MW9G	01/11/02	12.98	4.97	8.01	No	419e	945e	---	<0.50	<0.50	<0.50	<0.50
MW9G	04/12/02	12.98	5.12	7.86	No	10,700	11,000	---	<0.50	<0.50	<0.50	<0.50
MW9G	07/12/02	12.98	5.31	7.67	No	2,310	3,140	---	<0.5	<0.5	<0.5	<0.5
MW9G	10/11/02	12.98	5.39	7.59	No	1,630	2,040	2,090	<0.5	<0.5	<0.5	<0.5
MW9G	01/10/03	12.98	4.90	8.08	No	367	566	---	<0.5	<0.5	<0.5	<0.5
MW9G	04/09/03	12.98	5.15	7.83	No	3,730	3,990	---	<0.50	<0.5	<0.5	<0.5
MW9G	07/22/03	12.98	5.30	7.68	No	1,070	968	---	<0.50	<0.5	<0.5	<0.5
MW9G	10/01/03	12.98	5.41	7.57	No	1,300	---	1,570	<0.50	<0.5	<0.5	<0.5
MW9G	01/06/04	12.98	4.92	8.06	No	568	---	918	<0.50	<0.5	<0.5	<0.5
MW9G	06/07/04	12.98	5.49	7.49	No	457	---	324	<0.50	<0.5	<0.5	<0.5
MW9G	08/30/04	12.98	h	h	h	428h	---	369h	<0.50h	<0.5h	<0.5h	<0.5h
MW9G	12/13/04	12.98	5.01	7.97	No	1,030	---	1,030	<0.50	<0.5	<0.5	<0.5
MW9G	03/14/05	12.98	4.98	8.00	No	395	---	451	<0.50	<0.5	<0.5	<0.5
MW9G	06/08/05	12.98	5.54	7.44	No	333	---	404	<0.50	<0.5	<0.5	<0.5
MW9G	09/01/05	12.98	6.35	6.63	No	218	---	308	<0.50	<0.50	<0.50	0.63
MW9G	12/09/05	12.98	Well not gauged and/or sampled due to encroachment permit restrictions.									

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9G	12/30/05	12.98	4.83	8.15	No	75.3	---	69.9	<0.50	<0.50	<0.50	<0.50
MW9G	03/07/06	12.98	Well not gauged and/or sampled due to encroachment permit restrictions.									
MW9G	06/26/06	12.98	Well not gauged and/or sampled due to encroachment permit restrictions.									
MW9G	09/25/06	12.98	8.41	4.57	No	94.5	---	180	<0.50	<0.50	<0.50	<0.50
MW9G	12/15/06	12.98	5.30	7.68	No	50k	---	52	<0.50	<0.50	<0.50	<0.50
MW9G	03/29/07- Present	Well not gauged and/or sampled due to encroachment permit restrictions.										
MW9H	12/06/88	---	---	---	---	---	---	---	<0.5	<1.0	<2.0	<1.0
MW9H	10/13/89	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<3.0
MW9H	10/19/90	---	---	---	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	02/05/92	97.14 I	7.70	89.44	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/05/92	97.14 I	8.12	89.02	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	09/14/92	97.14 I	---	---	---	---	---	---	---	---	---	---
MW9H	11/16/92	97.14 I	---	---	---	---	---	---	---	---	---	---
MW9H	02/03/93	97.14 I	7.72	89.42	---	280	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/18/93	97.14 I	8.12	89.02	---	<50	---	---	<0.5	<0.5	1.1	6.4
MW9H	08/26/93	97.14 I	8.14	89.00	---	<50	---	---	0.8	<0.5	<0.5	<0.5
MW9H	11/04/93	97.14 I	8.15	88.99	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	02/04/94	97.14 I	7.98	89.16	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/31/94	97.14 I	8.80	88.34	---	<50	---	---	0.92	1.1	<0.5	0.86
MW9H	10/26/94	8.58	8.12	0.46	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/15/95	8.58	7.88	0.70	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9H	11/02/95	8.58	8.40	0.18	No	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9H	04/26/96	8.58	8.05	0.53	No	---	---	---	---	---	---	---
MW9H	08/22/96	8.58	8.17	0.41	No	---	---	---	---	---	---	---
MW9H	02/24/97	8.58	---	---	---	---	---	---	---	---	---	---
MW9H	03/16/98	8.58	---	---	---	---	---	---	---	---	---	---
MW9H	04/21/98	8.58	---	---	---	---	---	---	---	---	---	---
MW9H	07/22/98	11.61	---	---	---	---	---	---	---	---	---	---
MW9H	12/22/98	11.61	7.81	3.80	No	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9H	02/26/99	11.61	7.61	4.00	No	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/18/99	11.61	8.00	3.61	No	<50	3.98	---	<0.5	<0.5	<0.5	<0.5
MW9H	08/03/99	11.61	6.05	5.56	No	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5
MW9H	12/03/99	11.61	5.32	6.29	No	<50	<2	---	<0.5	<0.5	<0.5	0.57b
MW9H	02/29/00	11.61	7.10	4.51	No	<50	<2	---	<0.5	<0.5	<0.5	<0.5
MW9H	05/18/00	11.61	7.84	3.77	No	<50	9.7	---	<0.5	<0.5	<0.5	<0.5
MW9H	07/24/00	11.61	7.94	3.67	No	<50	17	---	<0.5	<0.5	<0.5	<0.5
MW9H	10/09/00	11.61	8.09	3.52	No	<50	13	---	<0.5	<0.5	<0.5	1.1
MW9H	01/10/01	11.61	7.89	3.72	No	<50	11	---	<0.5	<0.5	<0.5	0.5
MW9H	04/10/01	11.61	8.71	2.90	No	<50	44	---	<0.5	0.78	0.52	2.36
MW9H	07/12/01	11.61	---	---	No	<50	28	---	<0.5	<0.5	<0.5	<0.5
MW9H	08/17/01	11.61	Well inaccessible.									

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9H	10/11/01	11.61	8.15	3.46	No	<50	30	---	<0.5	<0.5	<0.5	<0.5
MW9H	11/01/01	11.59	Well surveyed in compliance with AB2886 requirements.									
MW9H	01/11/02	11.59	7.48	4.11	No	<50.0	20.5e	---	<0.50	<0.50	<0.50	<0.50
MW9H	04/12/02	11.59	7.68	3.91	No	<50.0	32.8	---	<0.50	<0.50	<0.50	<0.50
MW9H	07/12/02	11.59	8.06	3.53	No	<50.0	34.6	---	<0.5	<0.5	<0.5	<0.5
MW9H	10/11/02	11.59	7.83	3.76	No	<50.0	33.1	28.7	<0.5	<0.5	<0.5	<0.5
MW9H	01/10/03	11.59	7.39	4.20	No	<50.0	16.0	---	0.5	0.8	0.6	1.8
MW9H	04/09/03	11.59	7.69	3.90	No	<50.0	26.8	---	<0.50	<0.5	<0.5	<0.5
MW9H	07/22/03	11.59	7.94	3.65	No	55.3	34.7	---	<0.50	<0.5	<0.5	<0.5
MW9H	10/01/03	11.59	7.93	3.66	No	<50.0	---	32.3	<0.50	<0.5	<0.5	0.9
MW9H	01/06/04	11.59	7.27	4.32	No	<50.0	---	10	<0.50	<0.5	<0.5	<0.5
MW9H	06/07/04	11.59	7.99	3.60	No	50.6	---	71.7	<0.50	<0.5	<0.5	<0.5
MW9H	08/30/04	11.59	h	h	h	64.2h	---	51.0h	<0.50h	<0.5h	<0.50h	<0.5h
MW9H	12/13/04	11.59	7.22	4.37	No	<50.0	---	14.0	<0.50	<0.5	0.5	1.2
MW9H	03/14/05	11.59	6.96	4.63	No	<50.0	---	27.4	<0.50	<0.5	<0.5	<0.5
MW9H	06/08/05	11.59	7.53	4.06	No	52.6	---	68.8	<0.50	<0.5	<0.5	<0.5
MW9H	09/01/05	11.59	7.82	3.77	No	140	---	71.6	<0.50	<0.50	<0.50	<0.50
MW9H	12/09/05	---		---	---	---	---	---	---	---	---	---
MW9H	12/30/05	11.59	7.27	4.32	No	<50.0	---	13.7	<0.50	<0.50	<0.50	<0.50
MW9H	03/07/06	11.59	Well not gauged and/or sampled due to encroachment permit restrictions.									
MW9H	06/26/06	11.59	Well not gauged and/or sampled due to encroachment permit restrictions.									
MW9H	09/25/06	11.59	7.96	3.63	No	59.5	---	71.0	<0.50	<0.50	<0.50	<0.50
MW9H	12/15/06	11.59	7.42	4.17	No	57	---	21	<0.50	<0.50	<0.50	<0.50
MW9H	03/29/07- Present	Well not gauged and/or sampled due to encroachment permit restrictions.										
MW9I	11/15/90	---	---	---	---	55	---	---	4.0	1.1	1.2	2.2
MW9I	02/05/92	98.66 I	5.56	93.10	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	05/05/92	98.66 I	5.60	93.06	---	<50	---	---	0.9	<0.5	<0.5	0.7
MW9I	09/14/92	98.66 I	6.12	92.54	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	11/16/92	98.66 I	5.82	92.84	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	02/03/93	98.66 I	4.92	93.74	---	240	---	---	46	1.1	2.3	2.1
MW9I	05/18/93	98.66 I	5.60	93.06	---	79	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/26/93	98.66 I	5.91	92.75	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	11/04/93	98.66 I	6.03	92.63	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	02/04/94	98.66 I	5.37	93.29	---	<50	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	05/31/94	98.66 I	5.46	93.20	---	240	---	---	0.66	0.63	<0.5	1.4
MW9I	10/26/94	10.11	5.88	4.23	---	150	---	---	<0.5	<0.5	<0.5	<0.5
MW9I	05/15/95	10.11	4.94	5.17	---	56	---	---	<0.5	0.82	<0.5	<0.5
MW9I	11/02/95	10.11	6.04	4.07	No	<50	<10	---	<0.5	<0.5	<0.5	<0.5
MW9I	04/26/96	10.11	5.27	4.84	No	<50	99	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/22/96	10.11	5.66	4.45	No	<50	170	---	<0.5	<0.5	<0.5	<0.5
MW9I	02/24/97	10.11	5.24	4.87	No	120	9,100	---	<0.5	<0.5	<0.5	<0.5

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Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9I	03/16/98	10.11	4.91	5.20	No	<200	59,000	---	13	<2.0	<2.0	<2.0
MW9I	04/21/98	10.11	5.08	5.03	No	<500	59,000	---	<5.0	<5.0	<5.0	<5.0
MW9I	07/22/98	13.14	5.44	7.70	No	<500	62,000	---	<5.0	<5.0	<5.0	<5.0
MW9I	12/22/98	13.14	5.32	7.82	No	200	51,000	---	1.7	<0.5	<0.5	<0.5
MW9I	02/26/99	13.14	4.71	8.43	No	<500	9,700	---	<5.0	<5.0	<5.0	<5.0
MW9I	05/18/99	13.14	5.30	7.84	No	<1,000	3,730	---	<10	<10	<10	<10
MW9I	08/03/99	13.14	5.98	7.16	No	<50	21,900	---	<0.5	0.650	<0.5	<0.5
MW9I	12/03/99	13.14	5.31	7.83	No	<250	2,000	---	3.9	2.9	<2.5	14
MW9I	02/29/00	13.14	4.20	8.94	No	50	16,000	---	0.74	<0.5	<0.5	<0.5
MW9I	05/18/00	13.14	5.12	8.02	No	<50	2,900	---	<0.5	<0.5	<0.5	<0.5
MW9I	07/24/00	13.14	5.41	7.73	No	<250	43,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	10/09/00	13.14	5.41	7.73	No	<2,500	54,000	---	1.6	<0.5	<0.5	<0.5
MW9I	01/10/01	13.14	5.24	7.90	No	<250	36,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	04/10/01	13.14	4.84	8.30	No	<50	4,800	---	<0.5	<0.5	<0.5	<0.5
MW9I	07/12/01	13.14	---	---	No	<50	8,400	---	<0.5	<0.5	<0.5	<0.5
MW9I	08/17/01	13.14	6.49	6.65	---	---	---	---	---	---	---	---
MW9I	10/11/01	13.14	5.64	7.50	No	<250	38,000	---	<2.5	<2.5	<2.5	<2.5
MW9I	11/01/01	13.13	Well surveyed in compliance with AB2886 requirements.									
MW9I	01/11/02	13.13	4.80	8.33	No	1,330e	5,400e	---	4.80e	<0.50	<0.50	<0.50
MW9I	04/12/02	13.13	5.22	7.91	No	1,460	1,480	---	<0.50	<0.50	<0.50	<0.50
MW9I	07/12/02	13.13	5.50	7.63	No	4,460	6,490	---	<0.5	<0.5	<0.5	<0.5
MW9I	10/11/02	13.13	5.35	7.78	No	31,300	37,700	51,000	<5.0	<5.0	<5.0	<5.0
MW9I	01/10/03	13.13	4.75	8.38	No	4,820	6,180	---	9.4	0.7	1.1	1.3
MW9I	04/09/03	13.13	5.15	7.98	No	2,130	1,510	---	22.3	1.9	1.5	1.5
MW9I	07/22/03	13.13	5.50	7.63	No	2,330	2,540	---	1.60	<0.5	<0.5	<0.5
MW9I	10/01/03	13.13	5.65	7.48	No	6,080	---	4,610	1.00	<0.5	<0.5	<0.5
MW9I	01/06/04	13.13	4.50	8.63	No	175	---	61.3	0.90	<0.5	0.5	<0.5
MW9I	06/07/04	13.13	6.87	6.26	No	4,620	---	3,410	<0.50	<0.5	<0.5	<0.5
MW9I	08/30/04	13.13	h	h	h	817h	---	847h	<0.50h	<0.5h	<0.5h	<0.5h
MW9I	12/13/04	13.13	4.47	8.66	No	<50.0	---	14.4	<0.50	<0.5	<0.5	<0.5
MW9I	03/14/05	13.13	5.05	8.08	No	96.7	---	44.9	<0.50	<0.5	<0.5	<0.5
MW9I	06/08/05	13.13	6.47	6.66	No	1,230	---	321	<0.50	<0.5	<0.5	0.8
MW9I	09/01/05	13.13	5.60	7.53	No	170	---	62.3	1.22	0.77	<0.50	<0.50
MW9I	12/09/05	13.13	6.82	6.31	No	78.3	---	81.0	<0.50	0.58	<0.50	<0.50
MW9I	12/30/05	13.13	4.23	8.90	No	---	---	---	---	---	---	---
MW9I	03/07/06	13.13	5.08	8.05	No	<50	---	0.96	<0.50	<0.50	<0.50	<0.50
MW9I	06/26/06	13.13	5.30	7.83	No	<50	---	3.7	<0.50	<0.50	<0.50	<0.50
MW9I	09/25/06	13.13	6.17	6.96	No	50.9	---	24.0	<0.50	<0.50	<0.50	<0.50
MW9I	12/15/06	13.13	5.45	7.68	No	<50	---	0.59	<0.50	<0.50	<0.50	<0.50
MW9I	03/29/07	13.13	6.35	6.78	No	<50	---	1.15	<0.50	<0.50	<0.50	0.62
MW9I	06/12/07	13.13	5.87	7.26	No	<50	---	0.53	<0.50	<0.50	<0.50	<0.50
MW9I	08/23/07	13.13	6.14	6.99	No	<50	---	0.86	<0.50	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9I	11/27/07	13.13	6.48	6.65	No	<50	---	0.69	<0.50	<0.50	<0.50	<0.50
MW9I	02/01/08	13.13	4.28	8.85	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	05/19/08	13.13	6.29	6.84	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	08/01/08	13.13	6.01	7.12	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	10/07/08	13.13	5.59	7.54	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	01/30/09	13.13	5.05	8.08	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	04/01/09	13.13	4.99	8.14	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	07/02/09	13.13	5.42	7.71	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	01/11/10	13.13	5.18	7.95	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	07/01/10	13.13	5.36	7.77	No	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW9I	03/10/11	13.13	4.36	8.77	No	<50	---	0.70	<0.50	<0.50	<0.50	<1.0
MW9I	**07/28/11**	**13.13**	**5.16**	**7.97**	**No**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**
Grab Groundwater Samples												
WS-02	09/20/88	---	---	---	---	25,000j	---	---	12,000d	<73d	<80d	<80d
MW-9A	09/20/88	---	---	---	---	<76j	---	---	<76d	<73d	<80d	<80d
WS-10	09/20/88	---	---	---	---	<76j	---	---	<76d	<73d	<80d	<80d
W-Comp	10/26/00	---	---	---	---	---	---	---	---	---	---	---
W-13-DP1	08/31/07	---	---	---	---	<50	---	9.5	<0.50	<0.50	<0.50	<0.50
W-15-DP2	08/27/07	---	---	---	---	<50	---	7.0	<0.50	<0.50	<0.50	<0.50
W-10-DP3	08/28/07	---	---	---	---	<50	---	16	<0.50	<0.50	<0.50	<0.50
W-15-DP3	08/28/07	---	---	---	---	160	---	270	<0.50	<0.50	<0.50	<0.50
W-19-DP6	08/31/07	---	---	---	---	1,300	---	4,800	<50	<50	<50	<50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Notes:

TOC	=	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 liquids.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
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.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
SVOCs	=	Semi-volatile organic comounds analyzed using EPA Method 8270C.
PCBs	=	Polychlorinated biphenyls analyzed using EPA Method 8082.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above the stated laboratory detection limit.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 05/27/99.
b	=	Analyte detected in the trip blank and/or bailer blank.
c	=	Due to measurement error during initial sampling event, DTW was re-measured on 08/17/01. Samples were not taken.
d	=	Analyzed using EPA Method 602.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	Insufficient sample volume to perform analysis.
h	=	Groundwater elevation data invalidated; analytical results suspect.
i	=	Well sampled using no-purge method.
j	=	Analyzed using DHS Method-LUFT Field Manual.
k	=	Hydrocarbon result partly due to individual peak(s) in quantitation range.
l	=	Elevation relative to temporary benchmark with an arbitrary elevation of 100.0 feet.
m	=	Hydrocarbon pattern does not resemble the pattern of the specified standard.
n	=	TPHd and HEM: Oil and Grease detected in groundwater samples at concentrations of 85 µg/L (m) and 1.5 mg/L, respectively.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
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)	Ethanol (µg/L)	SVOCs (µg/L)	PCBs (µg/L)
Monitoring Well Samples										
MW9A	06/13/88 - 07/12/02	Not analyzed for these analytes.								
MW9A	10/11/02	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9A	01/10/03	---	---	---	---	---	---	---	---	---
MW9A	04/09/03	---	---	---	---	---	---	---	---	---
MW9A	07/22/03	---	---	---	---	---	---	---	---	---
MW9A	10/01/03	<0.50	<0.50	2.80	1,100	<0.50	<0.50	---	---	---
MW9A	01/06/04	<0.50	<0.50	4.90	11,900	<0.50	<0.50	---	---	---
MW9A	06/07/04	---	---	---	---	---	---	---	---	---
MW9A	08/30/04	Well inaccessible.						<2,500	---	---
MW9A	12/13/04	---	---	---	---	---	---	---	---	---
MW9A	03/14/05	<0.50	<0.50	1.00	14,400	<0.50	<0.50	<50.0	---	---
MW9A	06/08/05	<0.50	<0.50	<0.50	22,400	<0.50	<0.50	<100	---	---
MW9A	09/01/05	---	---	---	---	---	---	---	---	---
MW9A	12/09/05	---	---	---	---	---	---	---	---	---
MW9A	12/30/05	---	---	---	---	---	---	---	---	---
MW9A	03/07/06	<5.0	<5.0	<5.0	5,600	<5.0	<5.0	<1,000	---	---
MW9A	06/26/06	---	---	---	---	---	---	<1,000	---	---
MW9A	09/25/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	---	---
MW9A	12/15/06	<5.0	<5.0	<5.0	1,200	<5.0	<5.0	<1,000	---	---
MW9A	03/29/07	<0.500	<0.500	<0.500	297	<0.500	<0.500	<50.0	---	---
MW9A	06/12/07	<0.50	<0.50	<0.50	160	<0.50	<0.50	<100	---	---
MW9A	08/23/07	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW9A	11/27/07	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW9A	02/01/08	<0.50	<0.50	<0.50	5.0	<0.50	<0.50	<100	---	---
MW9A	05/19/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW9A	08/01/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW9A	10/07/08	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9A	01/30/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9A	04/01/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	63	---	---
MW9A	07/02/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9A	01/11/10	Well inaccessible.								
MW9A	03/02/10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9A	07/01/10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9A	03/10/11	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9A	**07/28/11**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**	**---**	**---**
MW9B	06/13/88 - 07/12/02	Not analyzed for these analytes.								

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
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)	Ethanol (µg/L)	SVOCs (µg/L)	PCBs (µg/L)
MW9B	10/11/02 f	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9B	01/10/03	---	---	---	---	---	---	---	---	---
MW9B	04/09/03	---	---	---	---	---	---	---	---	---
MW9B	07/22/03	---	---	---	---	---	---	---	---	---
MW9B	10/01/03	<0.50	<0.50	9.70	2,430	<0.50	<0.50	---	---	---
MW9B	01/06/04	<0.50	<0.50	9.00	11,500	0.80	<0.50	---	---	---
MW9B	06/07/04	---	---	---	---	---	---	<50.0	---	---
MW9B	08/30/04	---	---	---	---	---	---	<50.0	---	---
MW9B	12/13/04	---	---	---	---	---	---	---	---	---
MW9B	03/14/05	<0.50	<0.50	<0.50	4,800	<0.50	<0.50	<50.0	---	---
MW9B	06/08/05	<0.50	<0.50	<0.50	2,320	<0.50	<0.50	<100	---	---
MW9B	09/01/05	---	---	---	---	---	---	---	---	---
MW9B	12/09/05	---	---	---	---	---	---	---	---	---
MW9B	12/30/05	---	---	---	---	---	---	---	---	---
MW9B	03/07/06	<0.50	<0.50	<0.50	1,200	<0.50	<0.50	---	---	---
MW9B	06/26/06	---	---	---	---	---	---	---	---	---
MW9B	09/25/06	<0.500	<0.500	<0.500	70.1	<0.500	<0.500	---	---	---
MW9B	12/15/06	<0.50	<0.50	<0.50	56	<0.50	<0.50	---	---	---
MW9B	03/29/07	<0.500	<0.500	<0.500	734	<0.500	<0.500	---	---	---
MW9B	06/12/07	<0.50	<0.50	<0.50	270	<0.50	<0.50	---	---	---
MW9B	08/23/07	<5.0	<5.0	<5.0	520	<5.0	<5.0	---	---	---
MW9B	11/27/07	<0.50	<0.50	<0.50	51	<0.50	<0.50	---	---	---
MW9B	02/01/08	<0.50	<0.50	<0.50	29	<0.50	<0.50	<100	---	---
MW9B	05/19/08	<0.50	<0.50	<0.50	23	<0.50	<0.50	---	---	---
MW9B	08/01/08	<0.50	<0.50	<0.50	16	<0.50	<0.50	---	---	---
MW9B	10/07/08	<0.50	<0.50	<0.50	9.4	<0.50	<0.50	<50	---	---
MW9B	01/30/09	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50	---	---
MW9B	04/01/09	<0.50	<0.50	<0.50	10	<0.50	<0.50	---	---	---
MW9B	07/02/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9B	01/11/10	<0.50	<0.50	<0.50	5.1	<0.50	<0.50	---	---	---
MW9B	07/01/10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9B	03/10/11	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9B	**07/28/11**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**	---	---
MW9C	06/13/88 - 07/12/02 Not analyzed for these analytes.									
MW9C	10/11/02	<0.50	<0.50	34.3	<10.0	<0.50	<0.50	---	---	---
MW9C	01/10/03	---	---	---	---	---	---	---	---	---
MW9C	04/09/03	---	---	---	---	---	---	---	---	---
MW9C	07/22/03	---	---	---	---	---	---	---	---	---
MW9C	10/01/03	<0.50	<0.50	2.70	38,400	<0.50	<0.50	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
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)	Ethanol (µg/L)	SVOCs (µg/L)	PCBs (µg/L)
MW9C	01/06/04	<0.50	<0.50	2.50	90,700	0.80	<0.50	---	---	---
MW9C	06/07/04	---	---	---	---	---	---	<50.0	---	---
MW9C	08/30/04	---	---	---	---	---	---	<50.0	---	---
MW9C	12/13/04	---	---	---	---	---	---	---	---	---
MW9C	03/14/05	<0.50	<0.50	<0.50	674	<0.50	<0.50	<50.0	---	---
MW9C	06/08/05	<0.50	<0.50	<0.50	817	<0.50	<0.50	<100	---	---
MW9C	09/01/05	---	---	---	---	---	---	---	---	---
MW9C	12/09/05	---	---	---	---	---	---	---	---	---
MW9C	12/30/05	---	---	---	---	---	---	---	---	---
MW9C	03/07/06	<2.5	<2.5	<2.5	160	<2.5	<2.5	---	---	---
MW9C	06/26/06	---	---	---	---	---	---	---	---	---
MW9C	09/25/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW9C	12/15/06	<2.5	<2.5	<2.5	<60	<2.5	<2.5	---	---	---
MW9C	03/29/07	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW9C	06/12/07	<2.5	<2.5	<2.5	<100	<2.5	<2.5	---	---	---
MW9C	08/23/07	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW9C	11/27/07	<1.0	<1.0	<1.0	<20	<1.0	<1.0	---	---	---
MW9C	02/01/08	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---	---	---
MW9C	05/19/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW9C	08/01/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW9C	10/07/08	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---
MW9C	01/30/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9C	04/01/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9C	07/02/09	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---
MW9C	01/11/10	<0.50	<0.50	<0.50	6.4	<0.50	<0.50	---	---	---
MW9C	07/01/10	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---	---	---
MW9C	03/10/11	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---	---	---
MW9C	**07/28/11**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**	**ND**	**ND**
MW9D	10/24/88 - 07/12/02	Not analyzed for these analytes.								
MW9D	10/11/02 g	---	---	---	---	---	---	---	---	---
MW9D	01/10/03	---	---	---	---	---	---	---	---	---
MW9D	04/09/03	---	---	---	---	---	---	---	---	---
MW9D	07/22/03	---	---	---	---	---	---	---	---	---
MW9D	10/01/03	<0.50	<0.50	<0.50	235	<0.50	<0.50	---	---	---
MW9D	01/06/04	<0.50	<0.50	<0.50	51.8	<0.50	<0.50	---	---	---
MW9D	06/07/04	---	---	---	---	---	---	<50.0	---	---
MW9D	08/30/04 h	---	---	---	---	---	---	---	---	---
MW9D	12/13/04	---	---	---	---	---	---	---	---	---
MW9D	03/14/05	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
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)	Ethanol (µg/L)	SVOCs (µg/L)	PCBs (µg/L)
MW9D	06/08/05	<0.50	<0.50	<0.50	57.8	<0.50	<0.50	<100	---	---
MW9D	09/01/05	---	---	---	---	---	---	---	---	---
MW9D	12/09/05	---	---	---	---	---	---	---	---	---
MW9D	12/30/05	Well inaccessible.								
MW9D	03/07/06	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9D	06/26/06	---	---	---	---	---	---	---	---	---
MW9D	09/25/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW9D	12/15/06	<0.50	<0.50	<0.50	<12	<0.50	<0.50	---	---	---
MW9D	03/29/07	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW9D	06/12/07	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---	---	---
MW9D	08/23/07	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW9D	11/27/07	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW9D	02/01/08	<0.50	<0.50	<0.50	5.1	<0.50	<0.50	---	---	---
MW9D	05/19/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW9D	08/01/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---
MW9D	10/07/08	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9D	01/30/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9D	04/01/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9D	07/02/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9D	01/11/10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9D	07/01/10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9D	03/10/11	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9D	**07/28/11**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**	**---**	**---**
MW9E	10/24/88 - 10/19/90	Not analyzed for these analytes.								
MW9E	Oct-90	Well destroyed.								
MW9F	12/06/88 - 07/12/02	Not analyzed for these analytes.								
MW9F	10/11/02	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9F	01/10/03	---	---	---	---	---	---	---	---	---
MW9F	04/09/03	---	---	---	---	---	---	---	---	---
MW9F	07/22/03	---	---	---	---	---	---	---	---	---
MW9F	10/01/03	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9F	01/06/04	<0.50	<0.50	<0.50	13.7	<0.50	<0.50	---	---	---
MW9F	06/07/04	---	---	---	---	---	---	<50.0	---	---
MW9F	08/30/04	---	---	---	---	---	---	<50.0	---	---
MW9F	12/13/04	---	---	---	---	---	---	---	---	---
MW9F	03/14/05	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0	---	---
MW9F	06/08/05	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW9F	09/01/05	---	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
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)	Ethanol (µg/L)	SVOCs (µg/L)	PCBs (µg/L)
MW9F	12/09/05	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9F	12/30/05	---	---	---	---	---	---	---	---	---
MW9F	03/07/06	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9F	06/26/06	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9F	09/25/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW9F	12/15/06	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---	---	---
MW9F	03/29/07 - Present	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9G	12/06/88 - 07/12/02	Not analyzed for these analytes.								
MW9G	10/11/02	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9G	01/10/03	---	---	---	---	---	---	---	---	---
MW9G	04/09/03	---	---	---	---	---	---	---	---	---
MW9G	07/22/03	---	---	---	---	---	---	---	---	---
MW9G	10/01/03	<0.50	<0.50	<0.50	17.1	<0.50	<0.50	---	---	---
MW9G	01/06/04	<0.50	<0.50	<0.50	367	<0.50	<0.50	---	---	---
MW9G	06/07/04	---	---	---	---	---	---	<50.0	---	---
MW9G	08/30/04	---	---	---	---	---	---	<50.0	---	---
MW9G	12/13/04	---	---	---	---	---	---	---	---	---
MW9G	03/14/05	<0.50	<0.50	<0.50	569	<0.50	<0.50	<50.0	---	---
MW9G	06/08/05	<0.50	<0.50	<0.50	150	<0.50	<0.50	<100	---	---
MW9G	09/01/05	---	---	---	---	---	---	---	---	---
MW9G	12/09/05	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9G	12/30/05	---	---	---	---	---	---	---	---	---
MW9G	03/07/06	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9G	06/26/06	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9G	09/25/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW9G	12/15/06	<0.50	<0.50	<0.50	<12	<0.50	<0.50	---	---	---
MW9G	03/29/07 - Present	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9H	12/06/88 - 10/19/90	Not analyzed for these analytes.								
MW9H	11/02/95	<50	<10	---	---	---	<0.5	<0.5	---	---
MW9H	04/26/96 - 07/12/02	Not analyzed for these analytes.								
MW9H	10/11/02	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9H	01/10/03	---	---	---	---	---	---	---	---	---
MW9H	04/09/03	---	---	---	---	---	---	---	---	---
MW9H	07/22/03	---	---	---	---	---	---	---	---	---
MW9H	10/01/03	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9H	01/06/04	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---
MW9H	06/07/04	---	---	---	---	---	---	<50.0	---	---
MW9H	08/30/04	---	---	---	---	---	---	<50.0	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
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)	Ethanol (µg/L)	SVOCs (µg/L)	PCBs (µg/L)
MW9H	12/13/04	---	---	---	---	---	---	---	---	---
MW9H	03/14/05	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0	---	---
MW9H	06/08/05	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---
MW9H	09/01/05	---	---	---	---	---	---	---	---	---
MW9H	12/09/05	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9H	12/30/05	---	---	---	---	---	---	---	---	---
MW9H	03/07/06	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9H	06/26/06	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9H	09/25/06	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---
MW9H	12/15/06	<0.50	<0.50	<0.50	<12	<0.50	<0.50	---	---	---
MW9H	03/29/07 - Present	Well not gauged and/or sampled due to encroachment permit restrictions.								
MW9I	11/15/90 - 07/12/02	Not analyzed for these analytes.								
MW9I	10/11/02	<0.50	<0.50	24.1	<10.0	<0.50	<0.50	---	---	---
MW9I	01/10/03	---	---	---	---	---	---	---	---	---
MW9I	04/09/03	---	---	---	---	---	---	---	---	---
MW9I	07/22/03	---	---	---	---	---	---	---	---	---
MW9I	10/01/03	<0.50	<0.50	1.50	30,300	<0.50	<0.50	---	---	---
MW9I	01/06/04	<0.50	<0.50	<0.50	377	<0.50	<0.50	---	---	---
MW9I	06/07/04	---	---	---	---	---	---	<50.0	---	---
MW9I	08/30/04	---	---	---	---	---	---	<50.0	---	---
MW9I	12/13/04	---	---	---	---	---	---	---	---	---
MW9I	03/14/05	<0.50	<0.50	<0.50	1,640	<0.50	<0.50	<50.0	---	---
MW9I	06/08/05	<0.50	<0.50	<0.50	47,000	<0.50	<0.50	<100	---	---
MW9I	09/01/05	---	---	---	---	---	---	---	---	---
MW9I	12/09/05	---	---	---	---	---	---	---	---	---
MW9I	12/30/05	---	---	---	---	---	---	---	---	---
MW9I	03/07/06	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---
MW9I	06/26/06	---	---	---	---	---	---	<100	---	---
MW9I	09/25/06	<0.500	<0.500	<0.500	10,300	<0.500	<0.500	<50.0	---	---
MW9I	12/15/06	<0.50	<0.50	<0.50	730	<0.50	<0.50	<100	---	---
MW9I	03/29/07	<0.500	<0.500	<0.500	632	<0.500	<0.500	<50.0	---	---
MW9I	06/12/07	<0.50	<0.50	<0.50	140	<0.50	<0.50	---	---	---
MW9I	08/23/07	<0.50	<0.50	<0.50	90	<0.50	<0.50	<100	---	---
MW9I	11/27/07	<0.50	<0.50	<0.50	15	<0.50	<0.50	<100	---	---
MW9I	02/01/08	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---
MW9I	05/19/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW9I	08/01/08	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---
MW9I	10/07/08	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9I	01/30/09	<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 70238
2200 East 12th Street
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)	Ethanol (µg/L)	SVOCs (µg/L)	PCBs (µg/L)
MW9I	04/01/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9I	07/02/09	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9I	01/11/10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---
MW9I	07/01/10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---
MW9I	03/10/11	<0.50	<0.50	<0.50	23	<0.50	<0.50	---	---	---
MW9I	**07/28/11**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**	**---**	**---**
Grab Groundwater Samples										
WS-02	09/20/88	---	---	---	---	---	---	---	---	---
MW-9A	09/20/88	---	---	---	---	---	---	---	---	---
WS-10	09/20/88	---	---	---	---	---	---	---	---	---
W-Comp	10/26/00	---	---	---	---	---	---	---	---	---
W-13-DP1	08/31/07	ND	ND	ND	<10	ND	ND	---	---	---
W-15-DP2	08/27/07	ND	ND	ND	<10	ND	ND	---	---	---
W-10-DP3	08/28/07	ND	ND	ND	<10	ND	ND	---	---	---
W-15-DP3	08/28/07	ND	ND	ND	67	ND	ND	---	---	---
W-19-DP6	08/31/07	ND	ND	ND	2,900	ND	ND	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Notes:

TOC	=	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 liquids.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
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.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
SVOCs	=	Semi-volatile organic comounds analyzed using EPA Method 8270C.
PCBs	=	Polychlorinated biphenyls analyzed using EPA Method 8082.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above the stated laboratory detection limit.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 05/27/99.
b	=	Analyte detected in the trip blank and/or bailer blank.
c	=	Due to measurement error during initial sampling event, DTW was re-measured on 08/17/01. Samples were not taken.
d	=	Analyzed using EPA Method 602.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	Insufficient sample volume to perform analysis.
h	=	Groundwater elevation data invalidated; analytical results suspect.
i	=	Well sampled using no-purge method.
j	=	Analyzed using DHS Method-LUFT Field Manual.
k	=	Hydrocarbon result partly due to individual peak(s) in quantitation range.
l	=	Elevation relative to temporary benchmark with an arbitrary elevation of 100.0 feet.
m	=	Hydrocarbon pattern does not resemble the pattern of the specified standard.
n	=	TPHd and HEM: Oil and Grease detected in groundwater samples at concentrations of 85 µg/L (m) and 1.5 mg/L, respectively.

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA – METALS
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Well ID	Sampling Date	Arsenic (µg/L)	Lead (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Copper (µg/L)	Iron (µg/L)	Nickel (µg/L)	Silver (µg/L)	Zinc (µg/L)
Monitoring Well Samples										
Not analyzed for these analytes.										
Monitoring Well Samples										
MW9C	07/28/11	<10.0	<10.0	<10.0	<10.0	<10.0	---	34.9	<5.00	<10.0
Monitoring Well Samples										
Not analyzed for these analytes.										
Grab Groundwater Samples										
WS-02	09/20/88	---	---	---	---	---	---	---	---	---
MW-9A	09/20/88	---	---	---	---	---	---	---	---	---
WS-10	09/20/88	---	---	---	---	---	---	---	---	---
W-Comp	10/26/00	11.5	<5	<5	<10	<10	825	27.5	<10	28.5
W-13-DP1	08/31/07	---	---	---	---	---	---	---	---	---
W-15-DP2	08/27/07	---	---	---	---	---	---	---	---	---
W-10-DP3	08/28/07	---	---	---	---	---	---	---	---	---
W-15-DP3	08/28/07	---	---	---	---	---	---	---	---	---
W-19-DP6	08/31/07	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA – METALS
Former Exxon Service Station 70238
2200 East 12th Street
Oakland, California

Notes:

TOC	=	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 liquids.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
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.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
SVOCs	=	Semi-volatile organic comounds analyzed using EPA Method 8270C.
PCBs	=	Polychlorinated biphenyls analyzed using EPA Method 8082.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above the stated laboratory detection limit.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 05/27/99.
b	=	Analyte detected in the trip blank and/or bailer blank.
c	=	Due to measurement error during initial sampling event, DTW was re-measured on 08/17/01. Samples were not taken.
d	=	Analyzed using EPA Method 602.
e	=	Samples collected after fourth quarter 2001 analyzed by TestAmerica, Incorporated. Reported concentrations may be affected by differing laboratory quantitation methods.
f	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
g	=	Insufficient sample volume to perform analysis.
h	=	Groundwater elevation data invalidated; analytical results suspect.
i	=	Well sampled using no-purge method.
j	=	Analyzed using DHS Method-LUFT Field Manual.
k	=	Hydrocarbon result partly due to individual peak(s) in quantitation range.
l	=	Elevation relative to temporary benchmark with an arbitrary elevation of 100.0 feet.
m	=	Hydrocarbon pattern does not resemble the pattern of the specified standard.
n	=	TPHd and HEM: Oil and Grease detected in groundwater samples at concentrations of 85 µg/L (m) and 1.5 mg/L, respectively.

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 REPORT AND CHAIN-OF-CUSTODY RECORD

Calscience
Environmental & Marine Chemistry Laboratories

CALSCIENCE
WORK ORDER NUMBER: 11-07-1963

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED
AUG 15 2011
BY:----------

Analytical Report For
Client: Cardno ERI
Client Project Name: ExxonMobil 70238 / 022293
Attention: Janice Jacobson
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Cecile deGuia

Approved for release on 08/11/2011 by:
Cecile deGuia
Project Manager

ResultLink ▸
Email your PM ▸

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 analyses, 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.

Calscience
Environmental & Marine Chemistry Laboratories

Contents

Client Project Name: ExxonMobil 70238 / 022293
Work Order Number: 11-07-1963

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9A	**11-07-1963-2-C**	**07/28/11 14:05**	**Aqueous**	**GC 29**	**08/02/11**	**08/02/11 22:36**	**110802B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9B	**11-07-1963-3-C**	**07/28/11 13:55**	**Aqueous**	**GC 29**	**08/02/11**	**08/02/11 23:10**	**110802B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW9C	**11-07-1963-4-C**	**07/28/11 14:20**	**Aqueous**	**GC 29**	**08/02/11**	**08/02/11 23:45**	**110802B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW9D	**11-07-1963-5-C**	**07/28/11 13:45**	**Aqueous**	**GC 29**	**08/02/11**	**08/03/11 00:20**	**110802B01**

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	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI	Date Received: 07/30/11
601 North McDowell Blvd.	Work Order No: 11-07-1963
Petaluma, CA 94954-2312	Preparation: EPA 5030C
	Method: EPA 8015B (M)

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9I	**11-07-1963-6-C**	**07/28/11 13:30**	**Aqueous**	**GC 29**	**08/02/11**	**08/03/11 00:54**	**110802B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-6,461**	**N/A**	**Aqueous**	**GC 29**	**08/02/11**	**08/02/11 19:42**	**110802B01**

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI	Date Received:	07/30/11
601 North McDowell Blvd.	Work Order No:	11-07-1963
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8021B
	Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9A	**11-07-1963-2-F**	**07/28/11 14:05**	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11 17:52**	**110802B02**

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	102	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9B	**11-07-1963-3-F**	**07/28/11 13:55**	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11 19:35**	**110802B02**

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	102	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW9C	**11-07-1963-4-F**	**07/28/11 14:20**	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11 20:09**	**110802B02**

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	104	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW9D	**11-07-1963-5-F**	**07/28/11 13:45**	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11 20:44**	**110802B02**

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	101	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9I	**11-07-1963-6-F**	**07/28/11 13:30**	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11 21:18**	**110802B02**

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							

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

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Analytical Report

Cardno ERI	Date Received:	07/30/11
601 North McDowell Blvd.	Work Order No:	11-07-1963
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8021B
	Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-667-1,211**	**N/A**	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11 16:09**	**110802B02**

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	104	70-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8082
		Units:	ug/L

Project: ExxonMobil 70238 / 022293 — Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW9C	**11-07-1963-4-I**	**07/28/11 14:20**	**Aqueous**	**GC 58**	**08/01/11**	**08/03/11 01:56**	**110801L09**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	1.0	1	U	Aroclor-1248	ND	1.0	1	U
Aroclor-1221	ND	1.0	1	U	Aroclor-1254	ND	1.0	1	U
Aroclor-1232	ND	1.0	1	U	Aroclor-1260	ND	1.0	1	U
Aroclor-1242	ND	1.0	1	U	Aroclor-1262	ND	1.0	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Decachlorobiphenyl	90	50-135			2,4,5,6-Tetrachloro-m-Xylene	70	50-135		

Method Blank	099-12-533-562	N/A	Aqueous	GC 58	08/01/11	08/03/11 01:20	110801L09

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	1.0	1	U	Aroclor-1248	ND	1.0	1	U
Aroclor-1221	ND	1.0	1	U	Aroclor-1254	ND	1.0	1	U
Aroclor-1232	ND	1.0	1	U	Aroclor-1260	ND	1.0	1	U
Aroclor-1242	ND	1.0	1	U	Aroclor-1262	ND	1.0	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Decachlorobiphenyl	91	50-135			2,4,5,6-Tetrachloro-m-Xylene	59	50-135		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW9C	**11-07-1963-4-H**	**07/28/11 14:20**	**Aqueous**	**GC/MS SS**	**08/01/11**	**08/02/11 18:48**	**110801L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1	U	2,4-Dimethylphenol	ND	10	1	U
Acenaphthylene	ND	10	1	U	4,6-Dinitro-2-Methylphenol	ND	50	1	U
Aniline	ND	10	1	U	2,4-Dinitrophenol	ND	50	1	U
Anthracene	ND	10	1	U	2,4-Dinitrotoluene	ND	10	1	U
Azobenzene	ND	10	1	U	2,6-Dinitrotoluene	ND	10	1	U
Benzidine	ND	50	1	U	Fluoranthene	ND	10	1	U
Benzo (a) Anthracene	ND	10	1	U	Fluorene	ND	10	1	U
Benzo (a) Pyrene	ND	10	1	U	Hexachloro-1,3-Butadiene	ND	10	1	U
Benzo (b) Fluoranthene	ND	10	1	U	Hexachlorobenzene	ND	10	1	U
Benzo (g,h,i) Perylene	ND	10	1	U	Hexachlorocyclopentadiene	ND	25	1	U
Benzo (k) Fluoranthene	ND	10	1	U	Hexachloroethane	ND	10	1	U
Benzoic Acid	ND	50	1	U	Indeno (1,2,3-c,d) Pyrene	ND	10	1	U
Benzyl Alcohol	ND	10	1	U	Isophorone	ND	10	1	U
Bis(2-Chloroethoxy) Methane	ND	10	1	U	2-Methylnaphthalene	ND	10	1	U
Bis(2-Chloroethyl) Ether	ND	25	1	U	1-Methylnaphthalene	ND	10	1	U
Bis(2-Chloroisopropyl) Ether	ND	10	1	U	2-Methylphenol	ND	10	1	U
Bis(2-Ethylhexyl) Phthalate	ND	10	1	U	3/4-Methylphenol	ND	10	1	U
4-Bromophenyl-Phenyl Ether	ND	10	1	U	N-Nitroso-di-n-propylamine	ND	10	1	U
Butyl Benzyl Phthalate	ND	10	1	U	N-Nitrosodimethylamine	ND	10	1	U
4-Chloro-3-Methylphenol	ND	10	1	U	N-Nitrosodiphenylamine	ND	10	1	U
4-Chloroaniline	ND	10	1	U	Naphthalene	ND	10	1	U
2-Chloronaphthalene	ND	10	1	U	4-Nitroaniline	ND	10	1	U
2-Chlorophenol	ND	10	1	U	3-Nitroaniline	ND	10	1	U
4-Chlorophenyl-Phenyl Ether	ND	10	1	U	2-Nitroaniline	ND	10	1	U
Chrysene	ND	10	1	U	Nitrobenzene	ND	25	1	U
Di-n-Butyl Phthalate	ND	10	1	U	4-Nitrophenol	ND	10	1	U
Di-n-Octyl Phthalate	ND	10	1	U	2-Nitrophenol	ND	10	1	U
Dibenz (a,h) Anthracene	ND	10	1	U	Pentachlorophenol	ND	10	1	U
Dibenzofuran	ND	10	1	U	Phenanthrene	ND	10	1	U
1,2-Dichlorobenzene	ND	10	1	U	Phenol	ND	10	1	U
1,3-Dichlorobenzene	ND	10	1	U	Pyrene	ND	10	1	U
1,4-Dichlorobenzene	ND	10	1	U	Pyridine	ND	10	1	U
3,3'-Dichlorobenzidine	ND	25	1	U	1,2,4-Trichlorobenzene	ND	10	1	U
2,4-Dichlorophenol	ND	10	1	U	2,4,6-Trichlorophenol	ND	10	1	U
Diethyl Phthalate	ND	10	1	U	2,4,5-Trichlorophenol	ND	10	1	U
Dimethyl Phthalate	ND	10	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	70	42-138		2-Fluorophenol	58	7-121	
Nitrobenzene-d5	81	50-146		p-Terphenyl-d14	108	47-173	
Phenol-d6	38	1-127		2,4,6-Tribromophenol	88	41-137	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8270C
		Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-003-3,187**	**N/A**	**Aqueous**	**GC/MS SS**	**08/01/11**	**08/03/11 13:12**	**110801L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1	U	2,4-Dimethylphenol	ND	10	1	U
Acenaphthylene	ND	10	1	U	4,6-Dinitro-2-Methylphenol	ND	50	1	U
Aniline	ND	10	1	U	2,4-Dinitrophenol	ND	50	1	U
Anthracene	ND	10	1	U	2,4-Dinitrotoluene	ND	10	1	U
Azobenzene	ND	10	1	U	2,6-Dinitrotoluene	ND	10	1	U
Benzidine	ND	50	1	U	Fluoranthene	ND	10	1	U
Benzo (a) Anthracene	ND	10	1	U	Fluorene	ND	10	1	U
Benzo (a) Pyrene	ND	10	1	U	Hexachloro-1,3-Butadiene	ND	10	1	U
Benzo (b) Fluoranthene	ND	10	1	U	Hexachlorobenzene	ND	10	1	U
Benzo (g,h,i) Perylene	ND	10	1	U	Hexachlorocyclopentadiene	ND	25	1	U
Benzo (k) Fluoranthene	ND	10	1	U	Hexachloroethane	ND	10	1	U
Benzoic Acid	ND	50	1	U	Indeno (1,2,3-c,d) Pyrene	ND	10	1	U
Benzyl Alcohol	ND	10	1	U	Isophorone	ND	10	1	U
Bis(2-Chloroethoxy) Methane	ND	10	1	U	2-Methylnaphthalene	ND	10	1	U
Bis(2-Chloroethyl) Ether	ND	25	1	U	1-Methylnaphthalene	ND	10	1	U
Bis(2-Chloroisopropyl) Ether	ND	10	1	U	2-Methylphenol	ND	10	1	U
Bis(2-Ethylhexyl) Phthalate	ND	10	1	U	3/4-Methylphenol	ND	10	1	U
4-Bromophenyl-Phenyl Ether	ND	10	1	U	N-Nitroso-di-n-propylamine	ND	10	1	U
Butyl Benzyl Phthalate	ND	10	1	U	N-Nitrosodimethylamine	ND	10	1	U
4-Chloro-3-Methylphenol	ND	10	1	U	N-Nitrosodiphenylamine	ND	10	1	U
4-Chloroaniline	ND	10	1	U	Naphthalene	ND	10	1	U
2-Chloronaphthalene	ND	10	1	U	4-Nitroaniline	ND	10	1	U
2-Chlorophenol	ND	10	1	U	3-Nitroaniline	ND	10	1	U
4-Chlorophenyl-Phenyl Ether	ND	10	1	U	2-Nitroaniline	ND	10	1	U
Chrysene	ND	10	1	U	Nitrobenzene	ND	25	1	U
Di-n-Butyl Phthalate	ND	10	1	U	4-Nitrophenol	ND	10	1	U
Di-n-Octyl Phthalate	ND	10	1	U	2-Nitrophenol	ND	10	1	U
Dibenz (a,h) Anthracene	ND	10	1	U	Pentachlorophenol	ND	10	1	U
Dibenzofuran	ND	10	1	U	Phenanthrene	ND	10	1	U
1,2-Dichlorobenzene	ND	10	1	U	Phenol	ND	10	1	U
1,3-Dichlorobenzene	ND	10	1	U	Pyrene	ND	10	1	U
1,4-Dichlorobenzene	ND	10	1	U	Pyridine	ND	10	1	U
3,3'-Dichlorobenzidine	ND	25	1	U	1,2,4-Trichlorobenzene	ND	10	1	U
2,4-Dichlorophenol	ND	10	1	U	2,4,6-Trichlorophenol	ND	10	1	U
Diethyl Phthalate	ND	10	1	U	2,4,5-Trichlorophenol	ND	10	1	U
Dimethyl Phthalate	ND	10	1	U					

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	66	42-138		2-Fluorophenol	63	7-121	
Nitrobenzene-d5	87	50-146		p-Terphenyl-d14	92	47-173	
Phenol-d6	43	1-127		2,4,6-Tribromophenol	85	41-137	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9A	**11-07-1963-2-B**	**07/28/11 14:05**	**Aqueous**	**GC/MS L**	**08/02/11**	**08/02/11 16:00**	**110802L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	33	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,4-Bromofluorobenzene	95	68-120			Dibromofluoromethane	112	80-127		
1,2-Dichloroethane-d4	99	80-128			Toluene-d8	104	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9B	**11-07-1963-3-A**	**07/28/11 13:55**	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11 23:30**	**110801L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	1.2	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,4-Bromofluorobenzene	91	68-120			Dibromofluoromethane	105	80-127		
1,2-Dichloroethane-d4	106	80-128			Toluene-d8	105	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW9D	**11-07-1963-5-A**	**07/28/11 13:45**	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11 20:44**	**110801L01**

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	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,4-Bromofluorobenzene	96	68-120			Dibromofluoromethane	106	80-127		
1,2-Dichloroethane-d4	99	80-128			Toluene-d8	108	80-120		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 70238 / 022293			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-6-MW9I	**11-07-1963-6-A**	**07/28/11 13:30**	**Aqueous**	**GC/MS L**	**08/01/11**	**08/02/11 00:25**	**110801L01**

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	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,4-Bromofluorobenzene	95	68-120			Dibromofluoromethane	104	80-127		
1,2-Dichloroethane-d4	103	80-128			Toluene-d8	104	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-655**	**N/A**	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11 20:17**	**110801L01**

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	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,4-Bromofluorobenzene	97	68-120			Dibromofluoromethane	104	80-127		
1,2-Dichloroethane-d4	105	80-128			Toluene-d8	99	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-657**	**N/A**	**Aqueous**	**GC/MS L**	**08/02/11**	**08/02/11 13:42**	**110802L02**

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	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,4-Bromofluorobenzene	98	68-120			Dibromofluoromethane	113	80-127		
1,2-Dichloroethane-d4	101	80-128			Toluene-d8	108	80-120		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW9C	**11-07-1963-4-B**	**07/28/11 14:20**	**Aqueous**	**GC/MS L**	**08/02/11**	**08/02/11 16:28**	**110802L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	45	2.0	4		4-Chlorotoluene	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	4-Methyl-2-Pentanone	ND	5.0	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	Acetone	ND	10	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	Bromobenzene	ND	0.50	1	U
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U	Bromochloromethane	ND	1.0	1	U
Ethanol	ND	50	1	U	Bromoform	ND	0.50	1	U
1,1,1,2-Tetrachloroethane	ND	0.50	1	U	Bromomethane	ND	1.0	1	U
1,1,1-Trichloroethane	ND	0.50	1	U	Carbon Disulfide	ND	1.0	1	U
1,1,2,2-Tetrachloroethane	ND	0.50	1	U	Carbon Tetrachloride	ND	0.50	1	U
1,1,2-Trichloroethane	ND	0.50	1	U	Chlorobenzene	ND	0.50	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1	U	Dibromochloromethane	ND	0.50	1	U
1,1-Dichloroethane	ND	0.50	1	U	Chloroethane	ND	0.50	1	U
1,1-Dichloroethene	ND	0.50	1	U	Chloroform	ND	0.50	1	U
1,1-Dichloropropene	ND	0.50	1	U	Chloromethane	ND	0.50	1	U
1,2,3-Trichlorobenzene	ND	0.50	1	U	Dibromomethane	ND	0.50	1	U
1,2,3-Trichloropropane	ND	1.0	1	U	Bromodichloromethane	ND	0.50	1	U
1,2,4-Trichlorobenzene	ND	0.50	1	U	Dichlorodifluoromethane	ND	1.0	1	U
1,2,4-Trimethylbenzene	ND	0.50	1	U	Hexachloro-1,3-Butadiene	ND	2.0	1	U
1,3,5-Trimethylbenzene	ND	0.50	1	U	Isopropylbenzene	ND	0.50	1	U
c-1,2-Dichloroethene	ND	0.50	1	U	2-Butanone	ND	5.0	1	U
1,2-Dibromo-3-Chloropropane	ND	5.0	1	U	Methylene Chloride	ND	1.0	1	U
1,2-Dibromoethane	ND	0.50	1	U	2-Hexanone	ND	10	1	U
1,2-Dichlorobenzene	ND	0.50	1	U	Naphthalene	ND	1.0	1	U
1,2-Dichloroethane	ND	0.50	1	U	n-Butylbenzene	ND	0.50	1	U
1,2-Dichloropropane	ND	0.50	1	U	n-Propylbenzene	ND	0.50	1	U
t-1,2-Dichloroethene	ND	0.50	1	U	p-Isopropyltoluene	ND	0.50	1	U
c-1,3-Dichloropropene	ND	0.50	1	U	sec-Butylbenzene	ND	0.50	1	U
1,3-Dichlorobenzene	ND	0.50	1	U	Styrene	ND	0.50	1	U
1,3-Dichloropropane	ND	1.0	1	U	tert-Butylbenzene	ND	0.50	1	U
t-1,3-Dichloropropene	ND	0.50	1	U	Tetrachloroethene	ND	0.50	1	U
1,4-Dichlorobenzene	ND	0.50	1	U	Trichloroethene	ND	0.50	1	U
2,2-Dichloropropane	ND	1.0	1	U	Trichlorofluoromethane	ND	0.50	1	U
2-Chlorotoluene	ND	0.50	1	U	Vinyl Chloride	ND	0.50	1	U
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	68-120			Dibromofluoromethane	108	80-127		
1,2-Dichloroethane-d4	105	80-128			Toluene-d8	113	80-120		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI	Date Received:	07/30/11
601 North McDowell Blvd.	Work Order No:	11-07-1963
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-677**	**N/A**	**Aqueous**	**GC/MS L**	**08/02/11**	**08/02/11 13:42**	**110802L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	4-Chlorotoluene	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	4-Methyl-2-Pentanone	ND	5.0	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	Acetone	ND	10	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	Bromobenzene	ND	0.50	1	U
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U	Bromochloromethane	ND	1.0	1	U
Ethanol	ND	50	1	U	Bromoform	ND	0.50	1	U
1,1,1,2-Tetrachloroethane	ND	0.50	1	U	Bromomethane	ND	1.0	1	U
1,1,1-Trichloroethane	ND	0.50	1	U	Carbon Disulfide	ND	1.0	1	U
1,1,2,2-Tetrachloroethane	ND	0.50	1	U	Carbon Tetrachloride	ND	0.50	1	U
1,1,2-Trichloroethane	ND	0.50	1	U	Chlorobenzene	ND	0.50	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1	U	Dibromochloromethane	ND	0.50	1	U
1,1-Dichloroethane	ND	0.50	1	U	Chloroethane	ND	0.50	1	U
1,1-Dichloroethene	ND	0.50	1	U	Chloroform	ND	0.50	1	U
1,1-Dichloropropene	ND	0.50	1	U	Chloromethane	ND	0.50	1	U
1,2,3-Trichlorobenzene	ND	0.50	1	U	Dibromomethane	ND	0.50	1	U
1,2,3-Trichloropropane	ND	1.0	1	U	Bromodichloromethane	ND	0.50	1	U
1,2,4-Trichlorobenzene	ND	0.50	1	U	Dichlorodifluoromethane	ND	1.0	1	U
1,2,4-Trimethylbenzene	ND	0.50	1	U	Hexachloro-1,3-Butadiene	ND	2.0	1	U
1,3,5-Trimethylbenzene	ND	0.50	1	U	Isopropylbenzene	ND	0.50	1	U
c-1,2-Dichloroethene	ND	0.50	1	U	2-Butanone	ND	5.0	1	U
1,2-Dibromo-3-Chloropropane	ND	5.0	1	U	Methylene Chloride	ND	1.0	1	U
1,2-Dibromoethane	ND	0.50	1	U	2-Hexanone	ND	10	1	U
1,2-Dichlorobenzene	ND	0.50	1	U	Naphthalene	ND	1.0	1	U
1,2-Dichloroethane	ND	0.50	1	U	n-Butylbenzene	ND	0.50	1	U
1,2-Dichloropropane	ND	0.50	1	U	n-Propylbenzene	ND	0.50	1	U
t-1,2-Dichloroethene	ND	0.50	1	U	p-Isopropyltoluene	ND	0.50	1	U
c-1,3-Dichloropropene	ND	0.50	1	U	sec-Butylbenzene	ND	0.50	1	U
1,3-Dichlorobenzene	ND	0.50	1	U	Styrene	ND	0.50	1	U
1,3-Dichloropropane	ND	1.0	1	U	tert-Butylbenzene	ND	0.50	1	U
t-1,3-Dichloropropene	ND	0.50	1	U	Tetrachloroethene	ND	0.50	1	U
1,4-Dichlorobenzene	ND	0.50	1	U	Trichloroethene	ND	0.50	1	U
2,2-Dichloropropane	ND	1.0	1	U	Trichlorofluoromethane	ND	0.50	1	U
2-Chlorotoluene	ND	0.50	1	U	Vinyl Chloride	ND	0.50	1	U

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	68-120		Dibromofluoromethane	113	80-127	
1,2-Dichloroethane-d4	101	80-128		Toluene-d8	108	80-120	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI	Date Received:	07/30/11
601 North McDowell Blvd.	Work Order No:	11-07-1963
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-678**	**N/A**	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11 20:17**	**110801L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	4-Chlorotoluene	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	4-Methyl-2-Pentanone	ND	5.0	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	Acetone	ND	10	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	Bromobenzene	ND	0.50	1	U
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U	Bromochloromethane	ND	1.0	1	U
Ethanol	ND	50	1	U	Bromoform	ND	0.50	1	U
1,1,1,2-Tetrachloroethane	ND	0.50	1	U	Bromomethane	ND	1.0	1	U
1,1,1-Trichloroethane	ND	0.50	1	U	Carbon Disulfide	ND	1.0	1	U
1,1,2,2-Tetrachloroethane	ND	0.50	1	U	Carbon Tetrachloride	ND	0.50	1	U
1,1,2-Trichloroethane	ND	0.50	1	U	Chlorobenzene	ND	0.50	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1	U	Dibromochloromethane	ND	0.50	1	U
1,1-Dichloroethane	ND	0.50	1	U	Chloroethane	ND	0.50	1	U
1,1-Dichloroethene	ND	0.50	1	U	Chloroform	ND	0.50	1	U
1,1-Dichloropropene	ND	0.50	1	U	Chloromethane	ND	0.50	1	U
1,2,3-Trichlorobenzene	ND	0.50	1	U	Dibromomethane	ND	0.50	1	U
1,2,3-Trichloropropane	ND	1.0	1	U	Bromodichloromethane	ND	0.50	1	U
1,2,4-Trichlorobenzene	ND	0.50	1	U	Dichlorodifluoromethane	ND	1.0	1	U
1,2,4-Trimethylbenzene	ND	0.50	1	U	Hexachloro-1,3-Butadiene	ND	2.0	1	U
1,3,5-Trimethylbenzene	ND	0.50	1	U	Isopropylbenzene	ND	0.50	1	U
c-1,2-Dichloroethene	ND	0.50	1	U	2-Butanone	ND	5.0	1	U
1,2-Dibromo-3-Chloropropane	ND	5.0	1	U	Methylene Chloride	ND	1.0	1	U
1,2-Dibromoethane	ND	0.50	1	U	2-Hexanone	ND	10	1	U
1,2-Dichlorobenzene	ND	0.50	1	U	Naphthalene	ND	1.0	1	U
1,2-Dichloroethane	ND	0.50	1	U	n-Butylbenzene	ND	0.50	1	U
1,2-Dichloropropane	ND	0.50	1	U	n-Propylbenzene	ND	0.50	1	U
t-1,2-Dichloroethene	ND	0.50	1	U	p-Isopropyltoluene	ND	0.50	1	U
c-1,3-Dichloropropene	ND	0.50	1	U	sec-Butylbenzene	ND	0.50	1	U
1,3-Dichlorobenzene	ND	0.50	1	U	Styrene	ND	0.50	1	U
1,3-Dichloropropane	ND	1.0	1	U	tert-Butylbenzene	ND	0.50	1	U
t-1,3-Dichloropropene	ND	0.50	1	U	Tetrachloroethene	ND	0.50	1	U
1,4-Dichlorobenzene	ND	0.50	1	U	Trichloroethene	ND	0.50	1	U
2,2-Dichloropropane	ND	1.0	1	U	Trichlorofluoromethane	ND	0.50	1	U
2-Chlorotoluene	ND	0.50	1	U	Vinyl Chloride	ND	0.50	1	U

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	68-120		Dibromofluoromethane	104	80-127	
1,2-Dichloroethane-d4	105	80-128		Toluene-d8	99	80-120	

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

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Calscience Environmental Laboratories, Inc.

Analytical Report

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3010A Total / EPA 7470A Total
		Method:	EPA 6010B / EPA 7470A
		Units:	mg/L

Project: ExxonMobil 70238 / 022293

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW9C	**11-07-1963-4-G**	**07/28/11 14:20**	**Aqueous**	**ICP 5300**	**08/01/11**	**08/02/11 17:10**	**110801LA4**

Comment(s): -Mercury analysis was performed on 08/01/11 17:16 with batch 110801L01.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1	U	Molybdenum	ND	0.0100	1	U
Arsenic	ND	0.0100	1	U	Nickel	0.0349	0.0100	1	
Barium	0.0622	0.0100	1		Selenium	ND	0.0150	1	U
Beryllium	ND	0.0100	1	U	Silver	ND	0.00500	1	U
Cadmium	ND	0.0100	1	U	Thallium	ND	0.0150	1	U
Chromium	ND	0.0100	1	U	Vanadium	ND	0.0100	1	U
Cobalt	ND	0.0100	1	U	Mercury	ND	0.000500	1	U
Copper	ND	0.0100	1	U	Zinc	ND	0.0100	1	U
Lead	ND	0.0100	1	U					

Method Blank	099-04-008-5,490	N/A	Aqueous	Mercury	08/01/11	08/01/11 11:58	110801L01

Comment(s): -Preparation/analysis for Mercury was performed by EPA 7470A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.000500	1	U

Method Blank	097-01-003-11,854	N/A	Aqueous	ICP 5300	08/01/11	08/02/11 13:18	110801LA4

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1	U	Lead	ND	0.0100	1	U
Arsenic	ND	0.0100	1	U	Molybdenum	ND	0.0100	1	U
Barium	ND	0.0100	1	U	Nickel	ND	0.0100	1	U
Beryllium	ND	0.0100	1	U	Selenium	ND	0.0150	1	U
Cadmium	ND	0.0100	1	U	Silver	ND	0.00500	1	U
Chromium	ND	0.0100	1	U	Thallium	ND	0.0150	1	U
Cobalt	ND	0.0100	1	U	Vanadium	ND	0.0100	1	U
Copper	ND	0.0100	1	U	Zinc	ND	0.0100	1	U

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3005A Total
		Method:	EPA 6010B

Project ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-07-1889-1	**Aqueous**	**ICP 5300**	**08/01/11**	**08/02/11**	**110801SA4**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	104	103	72-132	1	0-10	
Arsenic	104	104	80-140	0	0-11	
Barium	101	101	87-123	0	0-6	
Beryllium	103	103	89-119	0	0-8	
Cadmium	102	102	82-124	0	0-7	
Chromium	103	103	86-122	0	0-8	
Cobalt	104	104	83-125	0	0-7	
Copper	102	102	78-126	0	0-7	
Lead	102	102	84-120	0	0-7	
Molybdenum	100	103	78-126	3	0-7	
Nickel	101	100	84-120	1	0-7	
Selenium	97	105	79-127	8	0-9	
Silver	102	102	86-128	0	0-7	
Thallium	104	102	79-121	2	0-8	
Vanadium	105	105	88-118	0	0-7	
Zinc	101	100	89-131	2	0-8	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - PDS / PDSD

Cardno ERI		Date Received	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3005A Total
		Method:	EPA 6010B

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
11-07-1889-1	**Aqueous**	**ICP 5300**	**08/01/11**	**08/02/11**	**110801SA4**

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	54	67	75-125	20	0-10	GE
Arsenic	89	92	75-125	3	0-11	
Barium	96	98	75-125	1	0-6	
Beryllium	100	101	75-125	1	0-8	
Cadmium	99	100	75-125	1	0-7	
Chromium	100	101	75-125	1	0-8	
Cobalt	100	101	75-125	1	0-7	
Copper	100	99	75-125	1	0-7	
Lead	99	100	75-125	1	0-7	
Molybdenum	97	99	75-125	2	0-7	
Nickel	98	99	75-125	1	0-7	
Selenium	99	103	75-125	4	0-9	
Silver	99	99	75-125	0	0-7	
Thallium	103	106	75-125	3	0-8	
Vanadium	102	103	75-125	0	0-7	
Zinc	97	98	75-125	1	0-8	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI	Date Received:	07/30/11
601 North McDowell Blvd.	Work Order No:	11-07-1963
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)

Project ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-07-1880-1	**Aqueous**	**GC 29**	**08/02/11**	**08/02/11**	**110802S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	108	110	68-122	2	0-18	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B

Project ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-6-MW9A	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11**	**110802S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	110	57-129	1	0-23	
Toluene	105	106	50-134	0	0-26	
Ethylbenzene	106	105	58-130	1	0-26	
Xylenes (total)	107	105	58-130	1	0-28	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 7470A Filt.
		Method:	EPA 7470A

Project ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-07-1950-4	**Aqueous**	**Mercury**	**08/01/11**	**08/01/11**	**110801S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	94	94	66-126	0	0-7	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-8-MW9D	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11**	**110801S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	100	76-124	3	0-20	
Toluene	115	102	80-120	11	0-20	
Ethylbenzene	101	102	78-126	1	0-20	
Methyl-t-Butyl Ether (MTBE)	104	105	67-121	1	0-49	
Tert-Butyl Alcohol (TBA)	114	105	36-162	8	0-30	
Diisopropyl Ether (DIPE)	96	104	60-138	8	0-45	
Ethyl-t-Butyl Ether (ETBE)	97	103	69-123	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	99	99	65-120	0	0-20	
Ethanol	110	107	30-180	3	0-72	
1,1-Dichloroethene	107	103	73-127	4	0-20	
1,2-Dibromoethane	99	104	80-120	5	0-20	
1,2-Dichlorobenzene	100	106	80-120	6	0-20	
1,2-Dichloroethane	97	100	80-120	3	0-20	
Carbon Tetrachloride	97	98	74-134	2	0-20	
Chlorobenzene	98	99	80-120	0	0-20	
Trichloroethene	110	101	77-120	9	0-20	
Vinyl Chloride	100	92	72-126	8	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-07-1899-2	**Aqueous**	**GC/MS L**	**08/02/11**	**08/02/11**	**110802S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	96	76-124	3	0-20	
Toluene	116	112	80-120	4	0-20	
Ethylbenzene	102	114	78-126	11	0-20	
Methyl-t-Butyl Ether (MTBE)	114	127	67-121	11	0-49	HX
Tert-Butyl Alcohol (TBA)	109	106	36-162	3	0-30	
Diisopropyl Ether (DIPE)	125	114	60-138	10	0-45	
Ethyl-t-Butyl Ether (ETBE)	98	114	69-123	15	0-30	
Tert-Amyl-Methyl Ether (TAME)	99	100	65-120	0	0-20	
Ethanol	94	102	30-180	8	0-72	
1,1-Dichloroethene	122	127	73-127	4	0-20	
1,2-Dibromoethane	105	105	80-120	0	0-20	
1,2-Dichlorobenzene	102	98	80-120	3	0-20	
1,2-Dichloroethane	102	101	80-120	1	0-20	
Carbon Tetrachloride	106	102	74-134	4	0-20	
Chlorobenzene	99	98	80-120	1	0-20	
Trichloroethene	108	104	77-120	4	0-20	
Vinyl Chloride	117	112	72-126	5	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/11
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-8-MW9D	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11**	**110801S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	100	76-124	3	0-20	
Toluene	115	102	80-120	11	0-20	
Ethylbenzene	101	102	78-126	1	0-20	
Methyl-t-Butyl Ether (MTBE)	104	105	67-121	1	0-49	
Tert-Butyl Alcohol (TBA)	114	105	36-162	8	0-30	
Diisopropyl Ether (DIPE)	96	104	60-138	8	0-45	
Ethyl-t-Butyl Ether (ETBE)	97	103	69-123	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	99	99	65-120	0	0-20	
Ethanol	110	107	30-180	3	0-72	
1,2-Dibromoethane	99	104	80-120	5	0-20	
1,2-Dichloroethane	97	100	80-120	3	0-20	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-11,854	Aqueous	ICP 5300	08/01/11	08/02/11	110801LA4

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Antimony	100	101	80-120	73-127	1	0-20	
Arsenic	100	102	80-120	73-127	2	0-20	
Barium	103	103	80-120	73-127	0	0-20	
Beryllium	99	99	80-120	73-127	0	0-20	
Cadmium	106	106	80-120	73-127	1	0-20	
Chromium	104	103	80-120	73-127	1	0-20	
Cobalt	112	111	80-120	73-127	0	0-20	
Copper	105	104	80-120	73-127	1	0-20	
Lead	107	109	80-120	73-127	2	0-20	
Molybdenum	104	107	80-120	73-127	3	0-20	
Nickel	110	109	80-120	73-127	1	0-20	
Selenium	90	98	80-120	73-127	8	0-20	
Silver	100	99	80-120	73-127	1	0-20	
Thallium	109	112	80-120	73-127	2	0-20	
Vanadium	103	102	80-120	73-127	1	0-20	
Zinc	99	98	80-120	73-127	1	0-20	

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

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-6,461	**Aqueous**	**GC 29**	**08/02/11**	**08/02/11**	**110802B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	113	116	78-120	3	0-10	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-667-1,211	**Aqueous**	**GC 21**	**08/02/11**	**08/02/11**	**110802B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	70-118	4	0-9	
Toluene	97	93	66-114	4	0-9	
Ethylbenzene	96	91	72-114	5	0-9	
Xylenes (total)	98	93	74-116	6	0-9	

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 7470A Total
		Method:	EPA 7470A

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-5,490	**Aqueous**	**Mercury**	**08/01/11**	**08/01/11**	**110801L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	102	85-121	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8270C

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-3,187	**Aqueous**	**GC/MS SS**	**08/01/11**	**08/03/11**	**110801L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	80	81	55-139	41-153	1	0-17	
Acenaphthylene	80	81	33-145	14-164	0	0-20	
Butyl Benzyl Phthalate	95	96	0-152	0-177	1	0-20	
4-Chloro-3-Methylphenol	92	92	55-121	44-132	1	0-18	
2-Chlorophenol	96	97	53-113	43-123	1	0-17	
1,4-Dichlorobenzene	73	74	50-122	38-134	1	0-19	
Dimethyl Phthalate	87	87	0-112	0-131	1	0-20	
2,4-Dinitrotoluene	94	93	41-161	21-181	1	0-22	
Fluorene	83	84	59-121	49-131	1	0-20	
N-Nitroso-di-n-propylamine	91	91	56-146	41-161	0	0-22	
Naphthalene	77	78	21-133	2-152	1	0-20	
4-Nitrophenol	53	53	1-145	0-169	1	0-29	
Pentachlorophenol	98	98	34-130	18-146	0	0-23	
Phenol	54	53	4-142	0-165	1	0-24	
Pyrene	84	84	38-170	16-192	0	0-27	
1,2,4-Trichlorobenzene	80	80	49-121	37-133	0	0-19	

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

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8082

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-533-562	**Aqueous**	**GC 58**	**08/01/11**	**08/03/11**	**110801L09**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	116	114	50-135	2	0-25	
Aroclor-1260	117	119	50-135	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-678	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11**	**110801L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	104	80-120	73-127	5	0-20	
Toluene	99	105	80-120	73-127	6	0-20	
Ethylbenzene	103	103	80-120	73-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	98	108	69-123	60-132	10	0-20	
Tert-Butyl Alcohol (TBA)	102	104	63-123	53-133	2	0-20	
Diisopropyl Ether (DIPE)	99	108	59-137	46-150	9	0-37	
Ethyl-t-Butyl Ether (ETBE)	102	110	69-123	60-132	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	107	70-120	62-128	4	0-20	
Ethanol	80	101	28-160	6-182	24	0-57	
1,1-Dichloroethene	94	100	78-126	70-134	6	0-28	
1,2-Dibromoethane	110	108	79-121	72-128	2	0-20	
1,2-Dichlorobenzene	100	102	80-120	73-127	1	0-20	
1,2-Dichloroethane	98	102	80-120	73-127	3	0-20	
Carbon Tetrachloride	96	99	74-134	64-144	4	0-20	
Chlorobenzene	101	101	80-120	73-127	0	0-20	
Trichloroethene	101	107	79-127	71-135	6	0-20	
Vinyl Chloride	89	98	72-132	62-142	10	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-677	**Aqueous**	**GC/MS L**	**08/02/11**	**08/02/11**	**110802L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	101	94	80-120	73-127	7	0-20	
Toluene	101	110	80-120	73-127	9	0-20	
Ethylbenzene	99	94	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	103	113	69-123	60-132	10	0-20	
Tert-Butyl Alcohol (TBA)	102	101	63-123	53-133	1	0-20	
Diisopropyl Ether (DIPE)	105	110	59-137	46-150	5	0-37	
Ethyl-t-Butyl Ether (ETBE)	104	107	69-123	60-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	96	70-120	62-128	3	0-20	
Ethanol	106	106	28-160	6-182	1	0-57	
1,1-Dichloroethene	113	124	78-126	70-134	9	0-28	
1,2-Dibromoethane	101	106	79-121	72-128	5	0-20	
1,2-Dichlorobenzene	101	99	80-120	73-127	2	0-20	
1,2-Dichloroethane	100	96	80-120	73-127	4	0-20	
Carbon Tetrachloride	101	102	74-134	64-144	1	0-20	
Chlorobenzene	98	94	80-120	73-127	4	0-20	
Trichloroethene	95	103	79-127	71-135	8	0-20	
Vinyl Chloride	108	120	72-132	62-142	10	0-20	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-655	**Aqueous**	**GC/MS L**	**08/01/11**	**08/01/11**	**110801L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	104	80-120	73-127	5	0-20	
Toluene	99	105	80-120	73-127	6	0-20	
Ethylbenzene	103	103	80-120	73-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	98	108	69-123	60-132	10	0-20	
Tert-Butyl Alcohol (TBA)	102	104	63-123	53-133	2	0-20	
Diisopropyl Ether (DIPE)	99	108	59-137	46-150	9	0-37	
Ethyl-t-Butyl Ether (ETBE)	102	110	69-123	60-132	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	107	70-120	62-128	4	0-20	
Ethanol	80	101	28-160	6-182	24	0-57	
1,2-Dibromoethane	110	108	79-121	72-128	2	0-20	
1,2-Dichloroethane	98	102	80-120	73-127	3	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

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Cardno ERI		Date Received:	N/A
601 North McDowell Blvd.		Work Order No:	11-07-1963
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B

Project: ExxonMobil 70238 / 022293

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-657	**Aqueous**	**GC/MS L**	**08/02/11**	**08/02/11**	**110802L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	101	94	80-120	73-127	7	0-20	
Toluene	101	110	80-120	73-127	9	0-20	
Ethylbenzene	99	94	80-120	73-127	5	0-20	
Methyl-t-Butyl Ether (MTBE)	103	113	69-123	60-132	10	0-20	
Tert-Butyl Alcohol (TBA)	102	101	63-123	53-133	1	0-20	
Diisopropyl Ether (DIPE)	105	110	59-137	46-150	5	0-37	
Ethyl-t-Butyl Ether (ETBE)	104	107	69-123	60-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	96	70-120	62-128	3	0-20	
Ethanol	106	106	28-160	6-182	1	0-57	
1,2-Dibromoethane	101	106	79-121	72-128	5	0-20	
1,2-Dichloroethane	100	96	80-120	73-127	4	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

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RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-07-1963

Qualifier	Definition
AZ	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.
B	Analyte was present in the associated method blank.
BA	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.
BB	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.
BU	Sample analyzed after holding time expired.
CJ	Concentration exceeds the calibration range.
DF	Reporting limits elevated due to matrix interferences.
ET	Sample was extracted past end of recommended max. holding time.
GE	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.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HT	Analytical value calculated using results from associated tests.
HX	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.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
RV	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
SN	See applicable analysis comment.
U	Undetected at detection limit.

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

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Cecile de Guia

From: David R. Daniels [david.daniels@cardno.com]
Sent: Thursday, August 11, 2011 1:07 PM
To: Cecile de Guia
Cc: Janice Jacobson
Subject: RE: ExxonMobil 70238; 11-07-1963

We would like BTEX only reported from 8021B to be consistent with previous site data.

Thank You,

David R. Daniels, PG 8737
Senior Staff Geologist
Cardno ERI
601 North McDowell Blvd., Petaluma, CA 94954
Phone: 707 766 2000 **Direct:** 707 766 2024 **Mobile:** 707 338 6997 **Fax:** 707 789 0414

From: Cecile de Guia [mailto:CdeGuia@calscience.com]
Sent: Thursday, August 11, 2011 1:04 PM
To: David R. Daniels
Cc: Janice Jacobson
Subject: FW: ExxonMobil 70238; 11-07-1963
Importance: High

Good afternoon,

Upon review of the report for the above project, I noticed that BTEX was requested by EPA 8021B for sample W-7-MW9C and at the same time 8260b Full Scan. Do you want to see BTEX reported on both methods or just in EPA 8021B? Please advice.

Thank you.

Cecile de Guia
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x221
Fax: 714-894-7501
CdeGuia@calscience.com

From: David R. Daniels [mailto:david.daniels@cardno.com]
Sent: Monday, August 01, 2011 3:14 PM
To: Cecile de Guia; Janice Jacobson
Cc: Jake Prowse
Subject: RE: ExxonMobil 70238; 11-07-1963

Cecile,

I attached the revised COC.

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From: Cecile de Guia [mailto:CdeGuia@calscience.com]
Sent: Monday, August 01, 2011 3:08 PM
To: Janice Jacobson; David R. Daniels
Subject: ExxonMobil 70238; 11-07-1963

Please refer to the attached anomaly form and let us know the correct sample IDs to be reported. Please revise the COC and email back with your initials.

Thank you.

Cecile de Guia
Project Manager
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x221
Fax: 714-894-7501
CdeGuia@calscience.com

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

1963 ExxonMobil

Consultant Name: Cardno ERI | Account #: NA | PO#: 4512314357
Consultant Address: 601 N. McDowell Boulevard | Invoice To: Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 | Report To: Janice Jacobson
ExxonMobil Project Mgr: Jennifer Sedlachek | Project Name: 02 2293 13X
Consultant Project Mgr: Janice Jacobson | ExxonMobil Site #: 70238 | Major Project (AFE #):
Consultant Telephone Number: 707-766-2000 | Fax No.: 707-789-0414 | Site Address: 2200 East 12th Street
Sampler Name (Print): Steven Church | Site City, State, Zip: Oakland, California
Sampler Signature: | 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	Na2S2O3	H2SO4 Plastic	H2SO4 Glass	HNO3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015	BTEX 8021	8260*	PCBs 8082	CAM 17 Metals 6010	SVOCs 8270	8260 FULL Scan		(RUSH TAT (Pre-Schedule))	5-day TAT	Standard 10-day TAT	Due Date of Report
1	BB DD		7-28-11	[illegible]	2						2														x	H	O	L	D							X	
2	W- 6 -MW9A	MW9A	↓	1405	6						6								x							x	x	x								X	
3	W- 6 -MW9B	MW9B		1355	6						6								x							x	x	x								X	
4	W- 7 -MW9C	MW9C		1420	6						6	2			1				x							x	x	x	x	x	x	X				X	
5	W- 8 -MW9D	MW9D		1345	6						6								x							x	x	x								X	
6	W- 6 -MW9I	MW9I	↓	1330	9						6								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 # T0600101343

Use silica gel cleanup on all TPHd analyses
8260*s= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE, ethanol.
Set TBA detection limit at or below 12 ug/L

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

Relinquished by:	Date	Time	Received by:	Date	Time
Steven Church	7/29/11	1015	Tamally CEL	7/29/11	1015
Fedex to GSO	7/29/11	1730	Received by (Lab personnel): CEL	7/30/11	0930

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

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

1963 ExxonMobil

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** 4512314357
Consultant Address: 601 N. McDowell Boulevard | **Invoice To:** Jennifer Sedlachek
Consultant City/State/Zip: Petaluma, California, 94954 | **Report To:** Janice Jacobson
ExxonMobil Project Mgr: Jennifer Sedlachek | **Project Name:** 02 2293 13X
Consultant Project Mgr: Janice Jacobson | **ExxonMobil Site #:** 70238 | **Major Project (AFE #):**
Consultant Telephone Number: 707-766-2000 | **Fax No.:** 707-789-0414 | **Site Address:** 2200 East 12th Street
Sampler Name (Print): Steven Church | **Site City, State, Zip:** Oakland, California
Sampler Signature: | **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	Na2S2O3	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 8015	BTEX 8021	8260*	PCBs 8082	CAM 17 Metals 6010	SVOCs 8270	8260 FULL Scan		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1	BB		7-28-11	1446	2						2														x	H	O	L	D							X	
2	W- -MW9A	MW9A		1405	6						6								x							X	X	X								X	
3	W- -MW9B	MW9B		1355	6						6								x							X	X	X								X	
4	W- -MW9C	MW9C		1420	6						6	2			1				x							X	X	X	X	X	X	X				X	
5	W- -MW9D	MW9D		1345	6						6								x							X	X	X								X	
6	W- -MW9I	MW9I	↓	1330	9						6								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 # T0600101343

Use silica gel cleanup on all TPHd analyses
8260*s= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE, ethanol.
Set TBA detection limit at or below 12 ug/L

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

		Date	Time		Date	Time
Relinquished by: Steven Church		7/29/11	1015	Received by: Tamalley CEC	7/29/11	1015
Relinquished by: to GSO		7/29/11	1730	Received by (Lab personnel): CEC	7/30/11	0930

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1963

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:
ICS, CARDNO ERI, EKI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 517095722

SDS

ORC

D

GARDEN GROVE

D92843A

93075528

Print Date : 07/29/11 16:31 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.

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-07-1963

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Carlno ERI DATE: 07/30/11

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

Temperature 1.6 °C + 0.5 °C (CF) = 2.1 °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: YC

CUSTODY SEALS INTACT:

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

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 / Res. Chlorine / Diss. Sulfide / Diss. Oxygen 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$_n$ ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

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

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

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:** WTS

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-07-1963

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:

labeled as
(-2) W-6-MW9A 07/28/11@14:05
(-3) W-6-MW9B 07/28/11@13:55
(-4) W-7-MW9C " 14:20
(-5) W-8-MW9D " 13:45
(-6) W-6-MW9E " 13:30

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: 07/30/11

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APPENDIX C

FIELD DATA SHEETS

DAILY FIELD REPORT

Cardno ERI

PROJECT: 70238 JOB # + ACTIVITY:

SUBJECT: QM DATE: 7-28-11

EQUIPMENT USED: SHEET: 1 OF 1

NAME: Steven Church PROJECT MNGR: Janice

Onsite 900 Partly Sunny

Safety meeting

Open wells

DTW Well

Purge & Sampled MW 9A, 9B, 9C, 9D, 9I

Decon 20 gal

Purge 51 gal

Total 71 gal

Offsite 1500

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

Depth to Water Data **3rd** **2011**
ERI # 2283 Address: 2200 E 12th st Oakland
Site # 70238
PM: Janice Jacobson
Date: 7/28/2011
Tech:

Calc Case Volume for purge
2" WELL x 0.163
4" WELL x 0.652
6" WELL x 1.467
r (squared) x 0.163

DTW Time		Recharge formula:			
Start:	8:30	Step 1▶	Calc 80% in feet▶	**TD - PreDTW x .80 (ft)**	=
Finish:	9:00	Step 2▶	Calc PostDTW (ft)▶	**TD - PostDTW (ft)**	=

WELL ID	**TD**	**PreDTW**	**CASE D**	**CASE V**	**PostDTW**	**Rechrg 80%**	**Sample Time**	**DTP**	**Prd Thick**
MW 9 B	17.58	5.37	2	1.99023		143.98	1355		
MW 9 I	13.68	5.16	4	5.55504		160.56	1330		
MW 9 A	17.52	5.87	2	1.89895		150.39	1405		
MW 9 D	14.76	7.52	4	4.72048		203.87	1345		
MW 9 C	16.00	6.15	2	1.60555		162.44	1420		
				0		#DIV/0!			
				0		#DIV/0!			
				0		#DIV/0!			
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GROUNDWATER MONITORING - FIELD LOG						
ERI #	2513			QRT	3rd	2011
CLIENT NAME: Exxon Mobil				DATE:	7/1/2011	
SITE LOCATION:70238				TECH	S C	
ADDRESS: 2200 E. 12th St Oakland				PM:	janice	
ALL WELLS				Total Purge Volume		51

WELL #	TIME	CASE VOL	PRG VOL	°C TEMP	uS COND	pH
MW 9 B	10:25		2			
	10:27		2	22.9	146.6	6.94
	10:29		4	23.5	115.7	6.91
	10:31		6	23.0	107.1	6.90
Total Purge			6			
COMMENTS:						

WELL #	TIME	CASE VOL	PRG VOL	TEMP	COND	pH
MW 9 A	10:49		2			
	10:51		2	22.9	93.4	6.94
	10:53		4	23.1	89.8	6.06
	10:55		6	22.2	90.1	6.97
Total Purge			6			
COMMENTS:						

WELL #	TIME	CASE VOL	PRG VOL	TEMP	COND	pH
MW 9 I	11:11		6			
	11:16		6	26.6	119.2	7.04
	11:22		12	27.0	126.8	7.07
	11:27		18	27.0	127.9	7.09
Total Purge			18			
COMMENTS:						

WELL #	TIME	CASE VOL	PRG VOL	TEMP	COND	pH
MW 9 D	11:36		5			
	11:40		5	21.6	85.9	7.07
	11:45		10	21.1	78.1	7.08

GROUNDWATER MONITORING - FIELD LOG

ERI #	2513			QRT	3rd	2011
CLIENT NAME: Exxon Mobil				DATE:	7/1/2011	
SITE LOCATION:70238				TECH	S C	
ADDRESS: 2200 E. 12th St Oakland				PM:	janice	
ALL WELLS				Total Purge Volume		51

		CASE	PRG	°C	uS	
WELL #	TIME	VOL	VOL	TEMP	COND	pH
	11:48		15	20.8	76.8	7.06
Total Purge			15			
COMMENTS:						

		CASE	PRG			
WELL #	TIME	VOL	VOL	TEMP	COND	pH
MW 9 C	12:01		2			
	12:03		2	22.9	95.3	7.01
	12:05		4	23.1	97.0	7.02
	12:07		6	22.8	98.5	7.03
Total Purge			6			
COMMENTS:						

		CASE	PRG			
WELL #	TIME	VOL	VOL	TEMP	COND	pH
Total Purge						
COMMENTS:						

		CASE	PRG			
WELL #	TIME	VOL	VOL	TEMP	COND	pH
Total Purge						
COMMENTS:						

		CASE	PRG			
WELL #	TIME	VOL	VOL	TEMP	COND	pH

GROUNDWATER SAMPLING FIELD LOG

Client Name: _____ ERI Job #: _____ Date: _____ Page ____ of ____

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

Field Crew: _____ 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
3	mw9B	1025		2				5.41							
		1027		2	22.9	146.6	6.94								
		1029		4	23.5	115.7	6.91								
		1031		6	23.0	107.1	6.90								
4	mw9A	1049		2				5.41							
		1051		2	22.9	93.4	6.94								
		1053		4	23.1	89.5	6.96								
		1055		6	22.2	90.1	6.97								
1	mw9I	1111		6				5.37							
		1116		6	26.6	119.2	7.04								
		1122		12	27.0	126.8	7.07								
		1127		18	27.0	127.9	7.09								
2	mw9D	1136		5				7.78							
		~~1140~~	1140	5	21.6	85.9	7.07								
		1145		10	21.1	78.1	7.08								
		1148		15	20.8	76.8	7.06								
5	mw9C	1201		2				6.34							
		1203		2	22.9	95.3	7.01								Per Pump
		1205		4	23.1	97.0	7.02								
		1207		6	22.8	98.5	7.03								

WATER SAMPLING SITE STATUS

Date: 7-28-11

Inspected by: S. Church

ERI Job Number: 229313X Station No.: 70238 Site Address: 2200 E 12th St 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	
MW9B	OK	OK	OK	OK	OK	OK	Y	N	OK					OK	two Broken tabs
MW9I	OK	OK	OK	↓	↓	↓	OK	N	↓					↑	One broken tab
MW9A	↓	↓	↓	↓	↓	↓	OK		↓					↓	
MW9D	↓	↓	↓	↓	↓	↓	OK		↓					↓	
MW9C	↓	↓	↓	↓	↓	↓	Y	N	↓					↓	Stripped Tabs

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).

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. ERI 11-2293

2. Page 1 of 1

3. Generator's Name and Mailing Address
Exxon-Mobil #70238
2200 E. 12th St.
Oakland

Cardno ERI

4. Generator's Phone ( )

5. Transporter 1 Company Name
Cardno - ERI

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

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 Inc
1105 G Airport Rd
Rio Vista CA

10. US EPA ID Number

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 HAZARDOUS MONITORING WELL WATER	1	POLY	71	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

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: Steven Church | Signature | Date: Month 8 Day 4 Year 11

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.

IDI

Printed/Typed Name: Kellen McLoughlin | Signature: Kellen McLoughlin | Date: Month 8 Day 4 Year 11

NON-HAZARDOUS WASTE

GENERATOR