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**Environmental Services Company**  
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Oakland, California 94611  
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**Jennifer C. Sedlachek**  
Project Manager

**ExxonMobil**

November 20, 2012

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

**RECEIVED**  
7:53 am, Dec 05, 2012  
Alameda County  
Environmental Health

**RE: Former Exxon RAS #73006/720 High 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, Fourth Quarter 2012*, dated November 20, 2012, 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, Fourth Quarter 2012*, dated November 20, 2012

cc: w/ attachment  
Mr. Mansour Sepehr, Ph.D., P.E., SOMA Environmental Engineering, Incorporated  
Mr. Mo Mashoon, Mash Petroleum, Inc.  
Mr. Victor Chu

w/o attachment  
Ms. Rebekah A. Westrup, Cardno ERI



Shaping the Future

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November 20, 2012  
Cardno ERI 2010C.Q124

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

**SUBJECT**      **Semi-Annual Groundwater Monitoring Report, Fourth Quarter 2012**  
Former Exxon Service Station 73006  
720 High Street, Oakland, California

Alameda County RO #491

**INTRODUCTION**

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI prepared this report detailing fourth quarter 2012 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 service station.

**GROUNDWATER MONITORING AND SAMPLING SUMMARY**

<b>Gauging and sampling date:</b>	10/04/12
<b>Wells gauged and sampled:</b>	MW2, MW3, MW6, MW14, MW16A, MW16B, MW17A, MW17B, MW18A, MW18B, MW19A
<b>Well gauged only:</b>	MW19B
<b>Presence of NAPL:</b>	0.19 foot of NAPL in well MW3
<b>Laboratory:</b>	Calscience Environmental Laboratories, Inc. Garden Grove, California
<b>Analyses performed:</b>	EPA Method 8015B      TPHd, TPHg EPA Method 8015B(M)      TPH Carbon Range EPA Method 8021B      BTEX EPA Method 8260B      MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE, Ethanol
<b>Waste disposal:</b>	205 gallons of purge and decon water delivered to InStrat, Inc., of Rio Vista, California, on 10/12/12

November 20, 2012  
Cardno ERI 2010C.Q124 Former Exxon Service Station 73006, Oakland, California

## REMEDIAL SYSTEM SUMMARY

EMES remedial efforts at the site have included excavation, product bailing, groundwater extraction, vapor extraction, air sparging, and biosparging.

In 1989, approximately 27 gallons of NAPL were removed from on-site wells. In 1993, petrotraps were installed in wells MW2, MW4, and MW6; 6.3 gallons of NAPL were removed. A GWPTS operated from January 1995 to December 1998, an AS/SVE system operated from August 1996 to July 1999, and a bio-sparge system operated from July 2001 to June 2003. Approximately 10 pounds of TPHg and 3 pounds of benzene were removed by the GWPTS. Approximately 5,144 pounds of TPHg and 61 pounds of benzene were removed by the AS/SVE system.

## DISCUSSION

On October 4, 2012, approximately 0.19 foot of NAPL was observed in well MW3. TPHg was reported in well MW3 at a concentration of 5,400,000 µg/L. This is three orders of magnitude greater than historical data prior to April 2012. A sample of the NAPL was submitted to Calscience Environmental Laboratories for carbon range analysis (Table 1C). The carbon range analysis shows that maximum concentrations are reported from approximately C9 through C22. The current results are consistent with weathered diesel. Previous carbon range analysis suggests that there may be multiple sources of NAPL at the site. Hydrocarbon concentrations have increased since the second quarter with TPHg and TPHd being the maximum reported concentration during the monitoring program.

The dissolved-phase concentrations reported from the remaining wells are consistent with recent site data.

The groundwater flow direction in the shallow zone was towards the west-southwest; the groundwater flow direction in the deep zone was towards the northwest.

## CONCLUSIONS

Elevated concentrations of TPHg (5,400,000 µg/L) were reported in well MW3, which is not consistent with historical data. NAPL collected from well MW3 spans from approximately C9 to C22. Concentrations of BTEX compounds have not been reported above the laboratory reporting limit in well MW3 since 2009.

The groundwater flow and dissolved-phase hydrocarbon concentrations reported from the remaining wells are consistent with recent site data.

## RECOMMENDATIONS

Cardno ERI recommends installation of a passive skimmer in well MW3 to collect NAPL, continued semi-annual monitoring and sampling, and performance of continued analysis of NAPL from well MW3, if present, to identify the hydrocarbon mixture in the well.

## 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

November 20, 2012  
Cardno ERI 2010C.Q124 Former Exxon Service Station 73006, Oakland, California

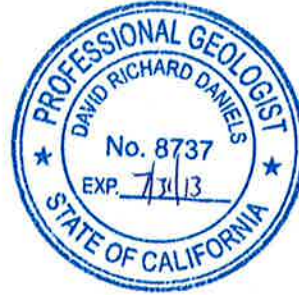
data points.

Please contact Ms. Rebekah A. Westrup, Cardno ERI's project manager for this site, at [rebekah.westrup@cardno.com](mailto:rebekah.westrup@cardno.com) or at (707) 766-2000 with any questions regarding this report.

Sincerely,

*Jennifer L. Lacy*  
SCANNED IMAGE

*David R. Daniels*  
SCANNED IMAGE



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for Cardno ERI  
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David R. Daniels  
P.G. 8737  
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707 766 2000  
Email: [david.daniels@cardno.com](mailto:david.daniels@cardno.com)

- cc: Ms. Barbara Jakub, P.G., Alameda County Health Care Services Agency, Department of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577
- Mr. Mo Mashoon, Mash Petroleum, 428 13th Street, 10th Floor, Oakland, California, 94612
- Mr. Mansour Sepehr, Ph.D., P.E., SOMA Environmental Engineering, Incorporated, 6620 Owens Drive, Suite A, Pleasanton, California, 94588
- Mr. Victor Chu, Property Owner, 3915 Forest Hill Avenue, Oakland, California, 94602

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Enclosures:

Acronym List

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Plate 2	Select Analytical Results
Plate 3	Groundwater Elevation Map, Shallow water-Bearing Zone
Plate 4	Groundwater Elevation Map, Deep Water-Bearing Zone
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Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data
Table 1C	Additional Cumulative Groundwater Monitoring and Sampling Data – Carbon Range
Table 2	Well Construction Details
Appendix A	Groundwater Sampling Protocol
Appendix B	Laboratory Analytical Report and Chain-of-Custody Record
Appendix C	Waste Disposal Documentation
Appendix D	Field Data Sheets

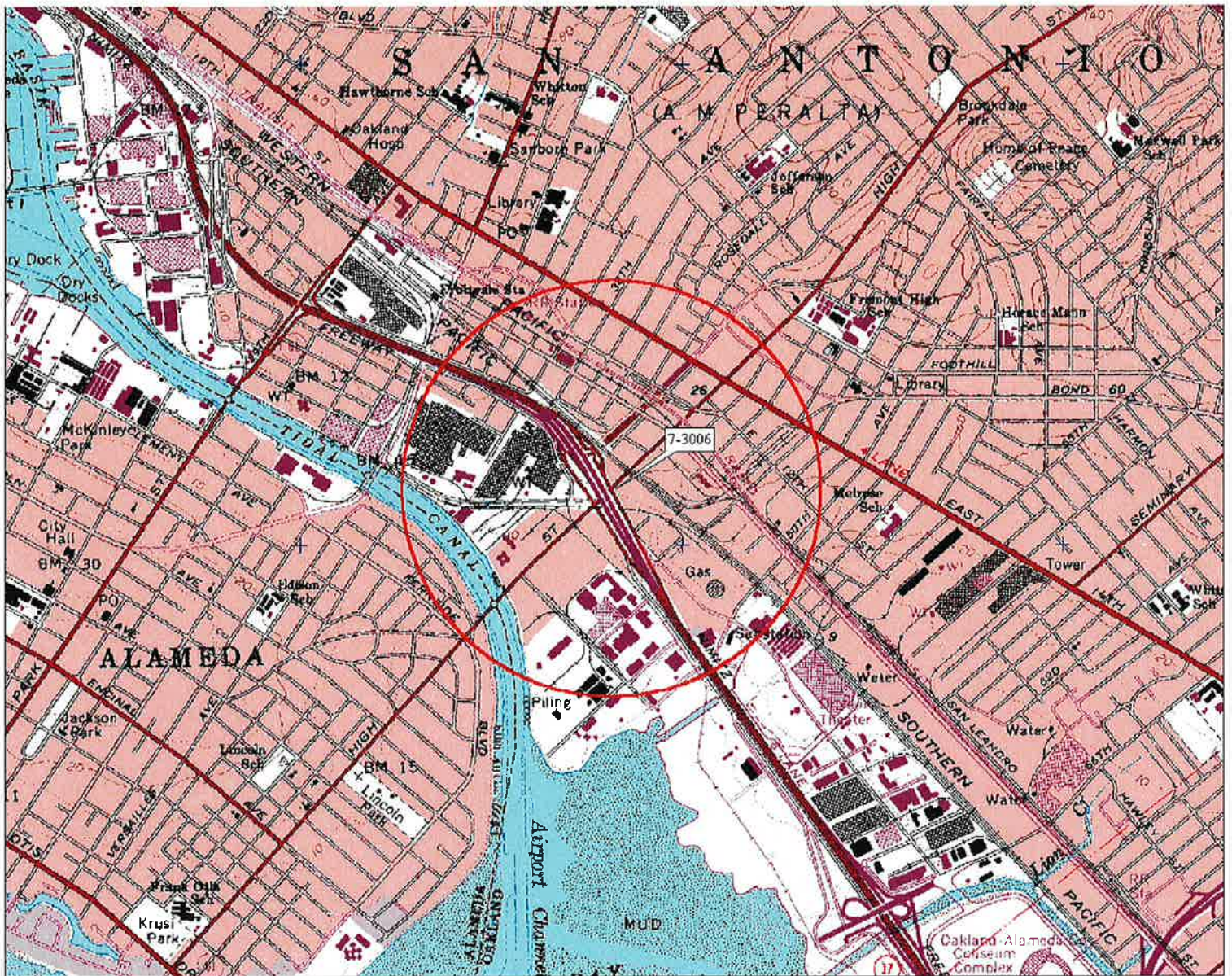
November 20, 2012

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**ACRONYM LIST**

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

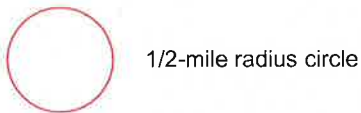




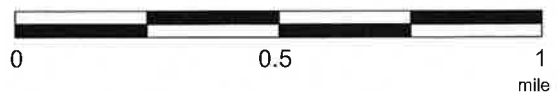
3-D Topo Quad Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1:19,200 Detail: 13.0 Datum: WGS84

FN 2010

**EXPLANATION**



**APPROXIMATE SCALE**



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



**SITE VICINITY MAP**  
FORMER EXXON SERVICE STATION 73006  
720 High Street  
Oakland, California

**PROJECT NO.**  
2010  
**PLATE**  
1



Analyte Concentrations in ug/L  
 Sampled October 4, 2012

Total Petroleum Hydrocarbons  
 as diesel  
 Total Petroleum Hydrocarbons  
 as gasoline  
 Benzene  
 Methyl Tertiary Butyl Ether

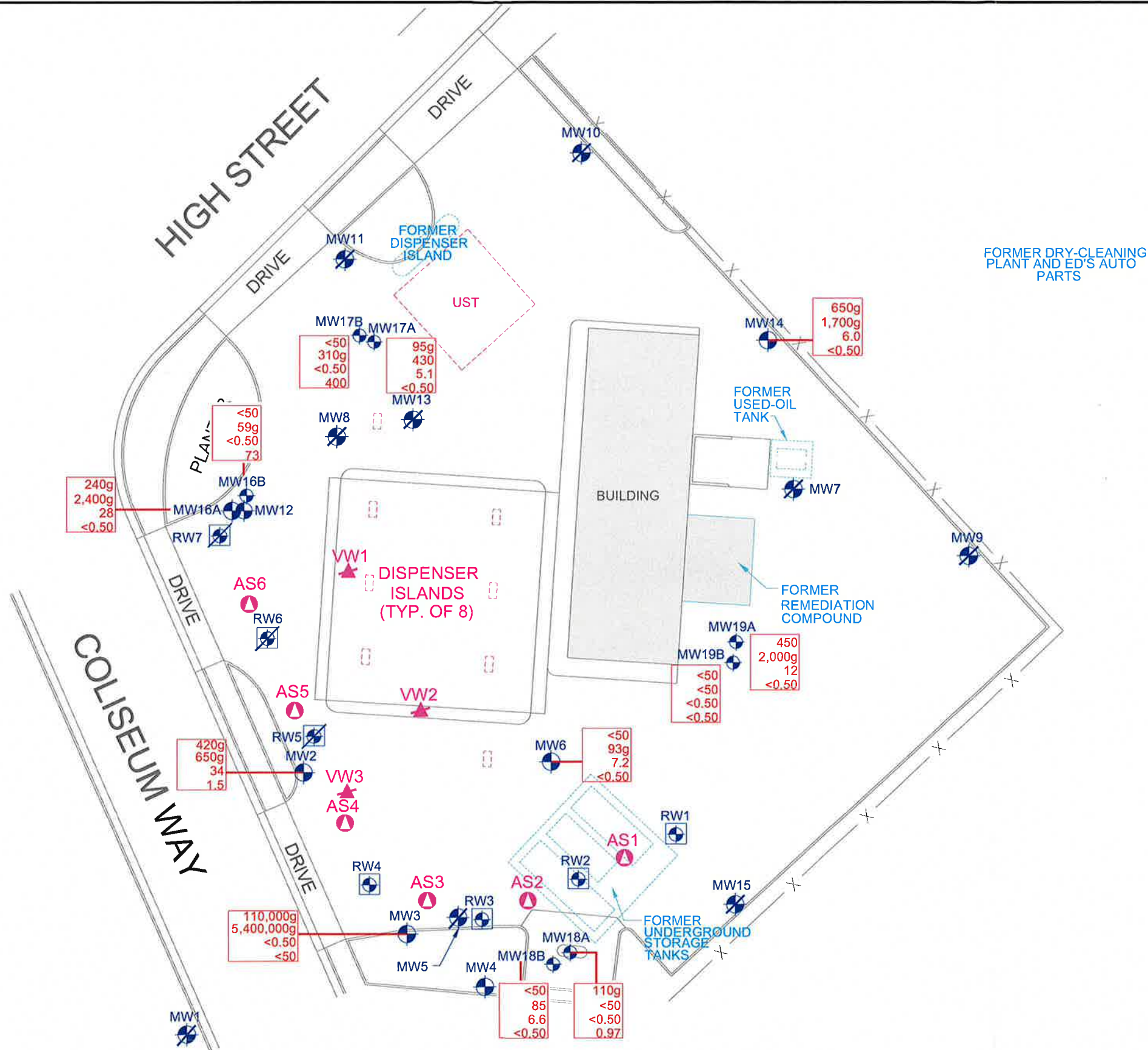
< Less Than the Stated Laboratory  
 Reporting Limit

ug/L Micrograms per Liter

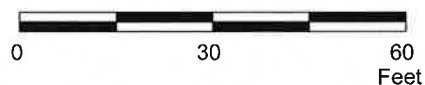
g Hydrocarbon pattern is not consistent  
 with that of the specified standard.

NOTE:

Wells MW4 and MW12 were covered  
 by asphalt in March 2001.



APPROXIMATE SCALE



FN 2010 12 4QTR\_QM

SOURCE: Modified  
 from a map provided  
 by Morrow Surveying

**SELECT ANALYTICAL RESULTS**

**October 4, 2012**

FORMER  
 EXXON SERVICE STATION 73006  
 720 High Street  
 Oakland, California

**EXPLANATION**

- MW19B Groundwater Monitoring Well
- RW4 Recovery Well
- AS6 Air Sparge Well

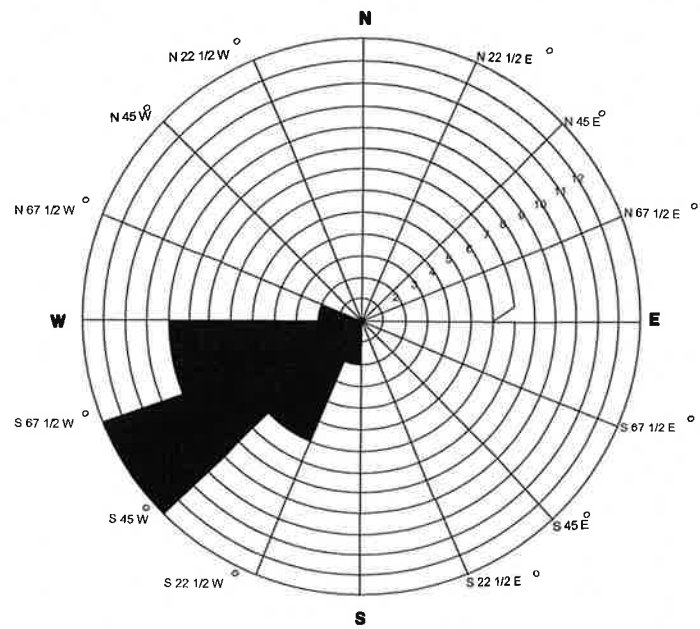
- VW3 Destroyed Soil Vapor Extraction Well
- RW7 Destroyed Recovery Well
- MW15 Destroyed Groundwater Monitoring Well

**PROJECT NO.**  
 2010

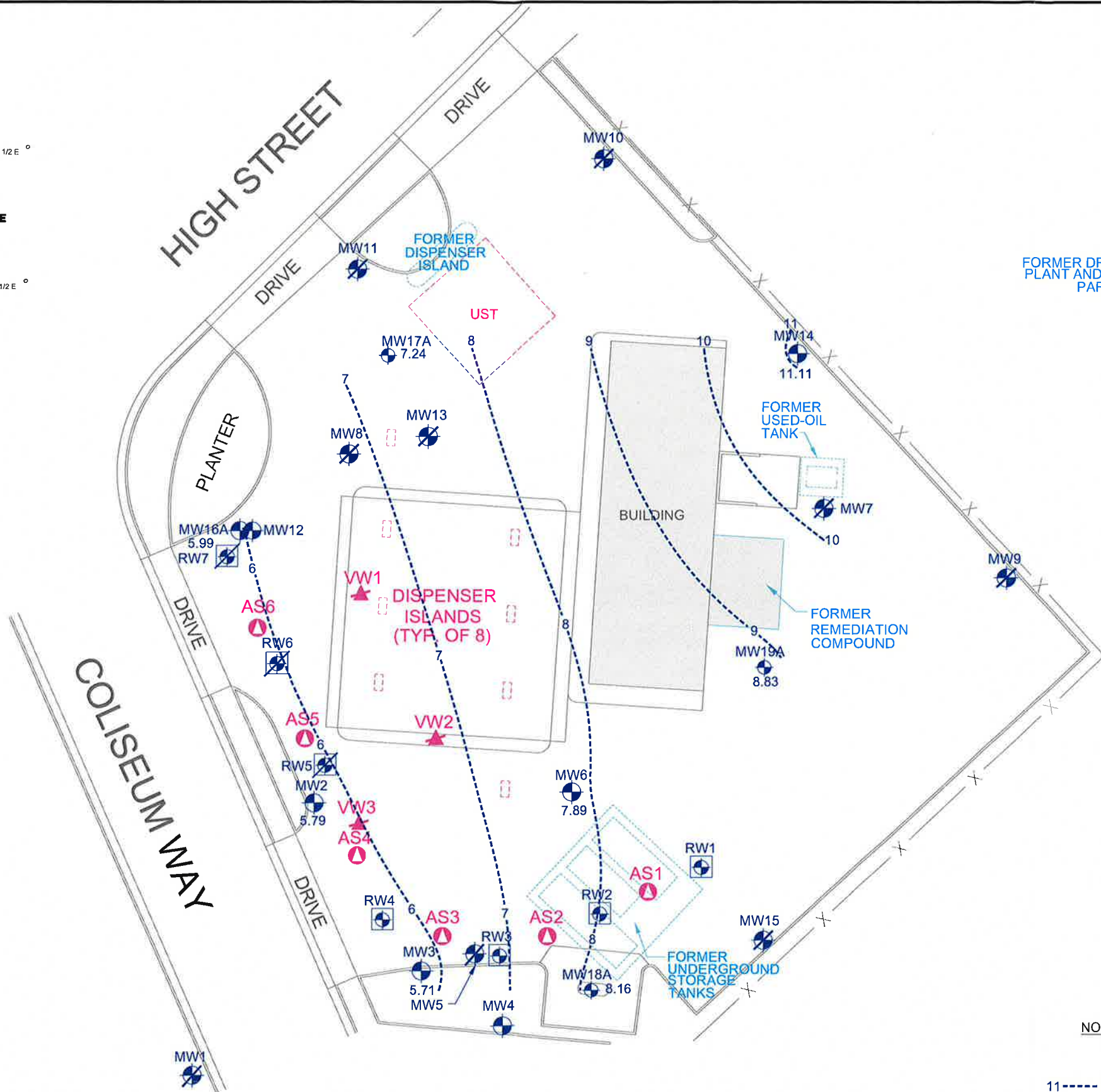
**PLATE**  
 2







**GROUNDWATER FLOW DIRECTION ROSE DIAGRAM**  
March 11, 2003 through October 4, 2012



FORMER DRY-CLEANING PLANT AND ED'S AUTO PARTS

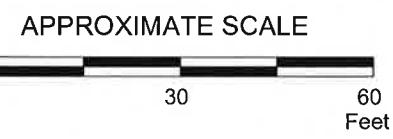
FORMER USED-OIL TANK

FORMER REMEDIATION COMPOUND

FORMER UNDERGROUND STORAGE TANKS

FORMER DISPENSER ISLAND

DISPENSER ISLANDS (TYP. OF 8)



NOTE: Wells MW4 and MW12 were covered by asphalt in March 2001.

11----- Line of Equal Groundwater elevation; datum is mean sea level

SOURCE: Modified from a map provided by Morrow Surveying

FN 2010 12 4QTR\_QM

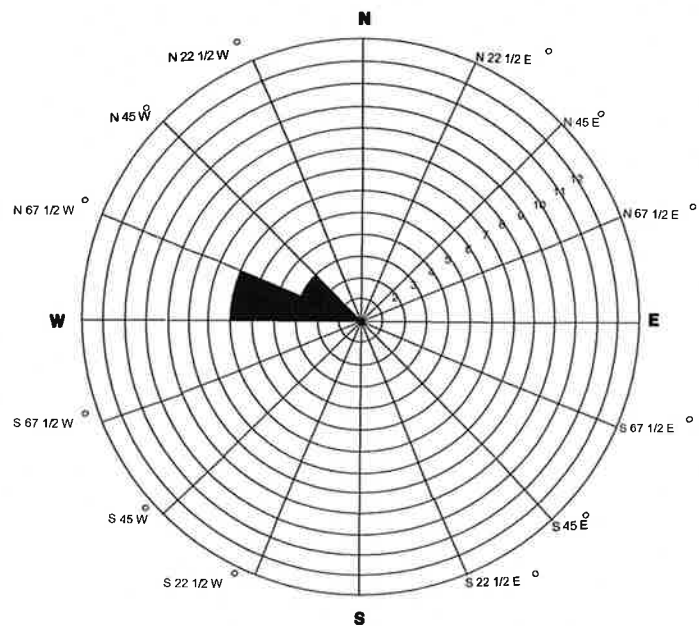


**GROUNDWATER ELEVATION MAP  
SHALLOW WATER-BEARING ZONE**  
October 4, 2012  
FORMER  
EXXON SERVICE STATION 73006  
720 High Street  
Oakland, California

**EXPLANATION**  
MW19A  
Groundwater Monitoring Well  
8.83 Groundwater elevation in feet; datum is mean sea level  
RW4  
Recovery Well  
AS6  
Air Sparge Well

VW3  
Destroyed Soil Vapor Extraction Well  
RW7  
Destroyed Recovery Well  
MW15  
Destroyed Groundwater Monitoring Well

**PROJECT NO.**  
2010  
**PLATE**  
3

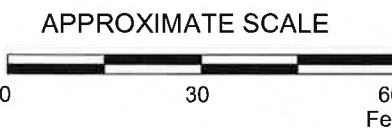
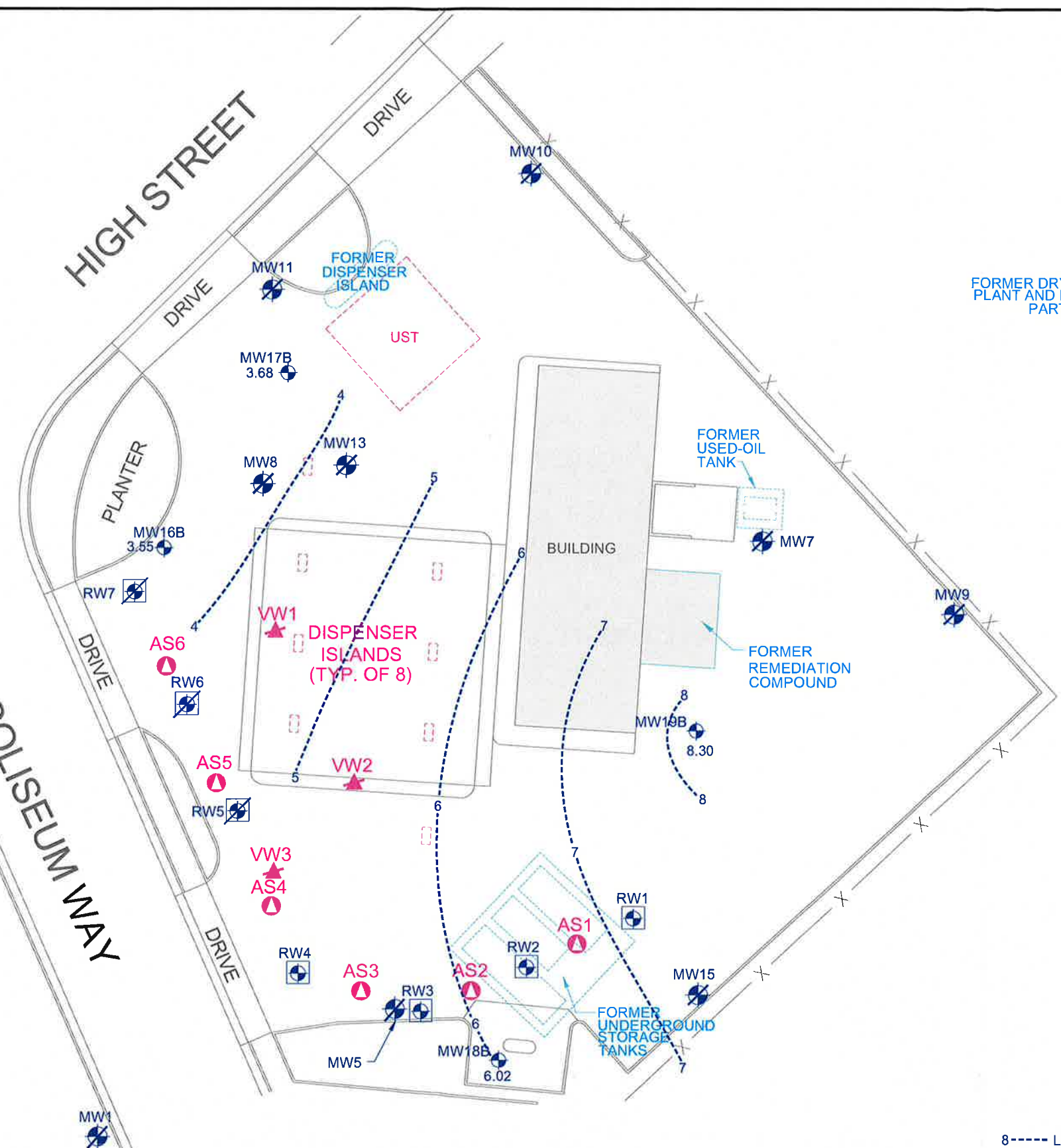


**GROUNDWATER FLOW DIRECTION ROSE DIAGRAM**

October 1, 2009 through October 4, 2012

**NOTE:**

Groundwater flow direction measured upgradient from well MW16B.



FN 2010 12 4QTR\_QM

8----- Line of Equal Groundwater elevation; datum is mean sea level

SOURCE: Modified from a map provided by Morrow Surveying

**GROUNDWATER ELEVATION MAP  
DEEP WATER BEARING ZONE  
October 4, 2012**  
FORMER  
EXXON SERVICE STATION 73006  
720 High Street  
Oakland, California



**EXPLANATION**

- MW19B  
8.30 Groundwater Monitoring Well  
Groundwater elevation in feet; datum is mean sea level
- RW4  
Recovery Well
- AS6  
Air Sparge Well

- VW3  
Destroyed Soil Vapor Extraction Well
- RW7  
Destroyed Recovery Well
- MW15  
Destroyed Groundwater Monitoring Well

<b>PROJECT NO.</b>	2010
<b>PLATE</b>	4

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
<b>Monitoring Well Samples</b>																
MW1	Prior to 04/25/89	---	Well installed.													
MW1	May 1988	---	12.87	---	---	---	---	25	---	---	---	240	90	5	25	
MW1	04/25/89	---	12.87	7.55	5.32	No	---	---	---	---	---	---	---	---	---	
MW1	04/27/89	---	12.87	10.16	2.71	Sheen	---	---	---	---	---	---	---	---	---	
MW1	09/06/89	---	12.87	10.88	1.99	Sheen	---	---	---	---	---	---	---	---	---	
MW1	09/22/89	---	12.87	11.06	1.81	No	---	---	---	---	---	---	---	---	---	
MW1	11/01/89	---	12.87	10.82	2.05	No	---	---	---	---	---	---	---	---	---	
MW1	11/15/89	---	12.87	11.07	1.80	No	---	---	---	---	---	---	---	---	---	
MW1	12/06/89	---	12.87	10.33	2.54	No	240	630	---	---	---	12	5.6	3.7	25	
MW1	02/20/90	---	12.87	8.81	4.06	No	---	---	---	---	---	---	---	---	---	
MW1	04/19/90	---	12.87	9.33	3.54	No	<100	<20	---	---	---	<0.5	<0.5	<0.5	<0.5	
MW1	07/03/90	---	12.87	8.44	4.43	No	160	130	---	---	---	6	<0.5	<0.5	<0.5	
MW1	07/26/90	---	12.87	8.99	3.88	No	---	---	---	---	---	---	---	---	---	
MW1	08/20/90	---	12.87	9.50	3.37	No	---	---	---	---	---	---	---	---	---	
MW1	09/19/90	---	12.87	9.99	2.88	No	---	---	---	---	---	---	---	---	---	
MW1	11/27/90	---	12.87	10.62	2.25	No	<100	<50	---	---	---	0.7	<0.5	<0.5	<0.5	
MW1	01/17/91	---	12.87	10.31	2.56	No	---	---	---	---	---	---	---	---	---	
MW1	03/26/91	---	12.87	7.79	5.08	No	<100	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	
MW1	05/02/91	---	12.87	8.88	3.99	No	---	---	---	---	---	---	---	---	---	
MW1	06/20/91	---	12.87	9.62	3.25	No	<100	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	
MW1	08/07/91	---	12.87	10.20	2.67	No	---	---	---	---	---	---	---	---	---	
MW1	09/17/91	---	12.87	10.40	2.47	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	
MW1	11/13/91	---	12.87	10.20	2.67	No	---	---	---	---	---	---	---	---	---	
MW1	12/10/91	---	12.87	10.23	2.64	No	<50	<50	---	---	---	1.5	<0.5	<0.5	<0.5	
MW1	01/21/92	---	12.87	9.32	3.55	No	---	---	---	---	---	---	---	---	---	
MW1	03/25/92	---	12.87	9.30	3.57	No	<50	---	---	---	---	1.5	<0.5	<0.5	<0.5	
MW1	06/22/92	---	12.87	8.46	4.41	No	75	110	---	---	---	4.9	7.9	3.7	21	
MW1	09/24/92	---	12.87	9.61	3.26	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	
MW1	10/14/92	---	12.87	9.85	3.02	No	---	---	---	---	---	---	---	---	---	
MW1	11/16/92	---	12.87	9.65	3.22	No	---	---	---	---	---	---	---	---	---	
MW1	12/08/92	---	12.87	9.30	3.57	No	51	170	---	---	---	10	<0.5	<0.5	0.6	
MW1	01/27/93	---	12.87	6.13	6.74	No	---	---	---	---	---	---	---	---	---	
MW1	02/18/93	---	12.87	6.07	6.80	No	---	---	---	---	---	---	---	---	---	
MW1	03/10/93	---	12.87	6.12	6.75	No	140	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	
MW1	04/06/93	---	12.87	5.84	7.03	No	---	---	---	---	---	---	---	---	---	
MW1	05/28/93	---	12.87	7.27	5.60	No	---	---	---	---	---	---	---	---	---	
MW1	06/10/93	---	12.87	7.40	5.47	No	<100	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	
MW1	07/17/93	---	12.87	8.08	4.79	No	---	---	---	---	---	---	---	---	---	
MW1	08/11/93	---	12.87	8.54	4.33	No	<50p	<50	---	---	---	<0.5/<50	<0.5/<50	<0.5/<50	<0.5/<50	



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	09/01/93	---	12.87	8.80	4.07	No	---	---	---	---	---	---	---	---	---
MW1	10/26/93	---	12.87	9.41	3.46	No	<50	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	11/12/93	---	12.87	9.48	3.39	No	---	---	---	---	---	---	---	---	---
MW1	12/27/93	---	12.87	8.62	4.25	No	---	---	---	---	---	---	---	---	---
MW1	01/20/94	---	12.87	9.25	3.62	No	---	---	---	---	---	---	---	---	---
MW1	02/02/94 - 02/03/94	---	12.87	8.60	4.27	No	70	<50	---	---	<0.5	<0.5	<0.5	<0.5	0.7
MW1	03/10/94	---	12.87	8.31	4.56	No	---	---	---	---	---	---	---	---	---
MW1	04/22/94	---	12.87	7.95	4.92	No	---	---	---	---	---	---	---	---	---
MW1	05/10/94 - 05/11/94	---	12.87	7.48	5.39	No	100	<50	---	---	<0.5	<0.5	<0.5	<0.5	1.6
MW1	06/27/94	---	12.87	7.65	5.22	No	---	---	---	---	---	---	---	---	---
MW1	08/31/94	---	12.87	9.39	3.48	No	---	---	---	---	---	---	---	---	---
MW1	09/29/94	---	12.87	9.83	3.04	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	10/25/94	---	12.87	10.19	2.68	No	---	<50	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	11/30/94	---	12.87	8.97	3.90	No	---	---	---	---	---	---	---	---	---
MW1	12/27/94	---	12.87	7.44	5.43	No	---	---	---	---	---	---	---	---	---
MW1	02/06/95	---	12.87	5.71	7.16	No	---	<50	100	---	0.52	<0.5	<0.5	<0.5	<0.5
MW1	06/07/95	---	12.87	7.62	5.25	No	81	<50	3.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/18/95	---	12.87	10.02	2.85	No	82	<50	6	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	11/01/95	---	12.87	10.74	2.13	No	160	<50	8.9	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	02/14/96	---	12.87	7.81	5.06	No	100	<50	7.8	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	06/19/96	---	12.87	7.47	5.40	No	93	<50	7.1	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/24/96	---	12.87	10.42	2.45	No	83	<50	9.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	12/11/96	---	12.87	8.50	4.37	No	81	<50	7.2	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/19/97	---	12.87	9.14	3.73	No	78	<50	6.4	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	06/04/97	---	12.87	9.82	3.05	No	58	<50	6.0	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/02/97	---	12.87	10.26	2.61	No	150	<50	5.4	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	12/02/97	---	12.87	9.32	3.55	No	88	<50	5.1	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/24/98	---	12.87	6.44	6.43	No	58	<50	5.6	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	06/23/98	---	12.87	9.23	3.64	No	84	<50	3.8	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/29/98	---	12.87	9.91	2.96	No	61	<50	2.6	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	12/30/98	---	12.87	9.21	3.66	No	80	<50	4.1	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/24/99	---	12.87	5.53	7.34	No	64.3	<50	4.95	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	06/22/99	---	12.87	7.39	5.48	No	83.5	<50	3.70	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/29/99	---	12.87	8.90	3.97	No	52.9	<50	4.81	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	12/21/99	---	12.87	8.94	3.93	No	60	<50	10	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/21/00	---	12.87	5.34	7.53	No	---	<50	4.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/30/01	---	12.87	5.29	7.58	No	79	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	11/01/01	---	12.79	Well surveyed in compliance with AB 2886 requirements.											
MW1	03/11/02 k	---	12.79	5.39	7.40	No	<50.0	116	110	160	1.10	<0.50	<0.50	<0.50	<0.50
MW1	03/11/03	---	12.79	6.63	6.16	No	<50	153	188	179	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/26/04	---	12.79	6.18	6.61	No	74g	<50.0	---	171	<0.50	0.5	<0.5	<0.5	<0.5
MW1	11/02/04	---	12.79	6.44	6.35	No	75g	145	---	137	0.50	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	02/04/05	---	12.79	5.01	7.78	No		158g	132	---	120	<0.50	<0.5	<0.5	<0.5
MW1	05/02/05	---	12.79	4.66	8.13	No		386g	131	---	138	<0.50	<0.5	<0.5	<0.5
MW1	08/01/05	---	12.79	5.51	7.28	No		129g	89.8	---	98.4	0.70	<0.5	<0.5	<0.5
MW1	10/25/05	---	12.79	5.54	7.25	No		<50.0	67.2	---	84.1	<0.50	<0.50	<0.50	<0.50
MW1	01/24/06	---	12.79	4.07	8.72	No		<50	71	---	91	<0.50	<0.50	<0.50	<0.50
MW1	04/28/06	---	12.79	4.01	8.78	No		<47	80 l	---	92n	<0.50n	<0.50	<0.50	<0.50
MW1	08/04/06	---	12.79	4.78	8.01	No		159	70.9	---	71.0	<0.50	<0.50	<0.50	<0.50
MW1	10/06/06	---	12.79	7.02	5.77	No		<47	70 l	---	98	<0.50	<0.50	<0.50	<0.50
MW1	01/12/07	---	12.79	Well inaccessible.											
MW1	03/26/07	---	Well destroyed.												
MW2	09/10/87	---	Well installed.												
MW2	Sept 1987	---	12.98	---	---	---			1,445	---	---	233	810	56	209
MW2	May 1988	---	12.98	---	---	LPH			---	---	---	---	---	---	---
MW2	04/25/89	---	12.98	9.27	5.44	2.16			---	---	---	---	---	---	---
MW2	07/19/89	---	12.98	10.81	3.42	1.56			---	---	---	---	---	---	---
MW2	07/27/89	---	12.98	10.18	2.90	0.13			---	---	---	---	---	---	---
MW2	09/06/89	---	12.98	10.89	2.16	0.09			---	---	---	---	---	---	---
MW2	09/22/89	---	12.98	11.56	1.87	0.56			---	---	---	---	---	---	---
MW2	11/01/89	---	12.98	10.85	2.20	0.09			---	---	---	---	---	---	---
MW2	11/15/89	---	12.98	11.05	1.99	0.07			---	---	---	---	---	---	---
MW2	12/06/89	---	12.98	10.23	2.85	0.13			---	---	---	---	---	---	---
MW2	02/20/90	---	12.98	8.86	4.35	0.29			---	---	---	---	---	---	---
MW2	04/19/90	---	12.98	9.09	3.97	0.10			---	---	---	---	---	---	---
MW2	07/03/90	---	12.98	8.75	4.27	0.05			---	---	---	---	---	---	---
MW2	07/26/90	---	12.98	8.71	4.35	0.10			---	---	---	---	---	---	---
MW2	08/20/90	---	12.98	9.25	3.75	0.02			---	---	---	---	---	---	---
MW2	09/19/90	---	12.98	9.79	3.21	0.02			---	---	---	---	---	---	---
MW2	11/27/90	---	12.98	10.40	2.64	0.07			---	---	---	---	---	---	---
MW2	01/17/91	---	12.98	10.03	2.99	0.05			---	---	---	---	---	---	---
MW2	03/26/91	---	12.98	8.98	4.06	0.08			---	---	---	---	---	---	---
MW2	05/02/91	---	12.98	8.73	4.27	0.02			---	---	---	---	---	---	---
MW2	06/20/91	---	12.98	9.11	3.89	0.02			---	---	---	---	---	---	---
MW2	08/07/91	---	12.98	10.00	3.01	0.04			---	---	---	---	---	---	---
MW2	09/17/91	---	12.98	10.11	2.89	0.02			---	---	---	---	---	---	---
MW2	11/13/91	---	12.98	9.88	3.12	0.02			---	---	---	---	---	---	---
MW2	12/10/91	---	12.98	9.02	3.98	0.03			---	---	---	---	---	---	---
MW2	01/21/92	---	12.98	9.08	3.92	0.03			---	---	---	---	---	---	---
MW2	03/25/92	---	12.98	6.00	7.00	0.03			---	---	---	---	---	---	---
MW2	06/22/92	---	12.98	8.46	4.53	0.01[1/2 c.]			---	---	---	---	---	---	---
MW2	09/24/92	---	12.98	9.08	3.90	Sheen			---	---	---	---	---	---	---
MW2	10/14/92	---	12.98	9.34	3.66	0.02[1/2 c.]			---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW2	11/16/92	---	12.98	9.16	3.84	0.02 [1/2 c.]	---	---	---	---	---	---	---	---	---
MW2	12/08/92	---	12.98	8.93	4.07	0.02[1/2 c.]	---	---	---	---	---	---	---	---	---
MW2	01/27/93	---	12.98	5.76	7.22	Sheen	---	---	---	---	---	---	---	---	---
MW2	02/18/93	---	12.98	4.21	8.78	0.01	---	---	---	---	---	---	---	---	---
MW2	03/10/93	---	12.98	6.75	6.23	Sheen	---	---	---	---	---	---	---	---	---
MW2	04/06/93	---	12.98	5.37	7.61	Sheen	---	---	---	---	---	---	---	---	---
MW2	05/28/93	---	12.98	---	---	[2 c.]	---	---	---	---	---	---	---	---	---
MW2	06/10/93	---	12.98	---	---	[1/2 c.]	---	---	---	---	---	---	---	---	---
MW2	07/17/93	---	12.98	---	---	[2 c.]	---	---	---	---	---	---	---	---	---
MW2	08/11/93	---	12.98	---	---	[1/2 c.]	---	---	---	---	---	---	---	---	---
MW2	09/01/93	---	12.98	---	---	[1/2 c.]	---	---	---	---	---	---	---	---	---
MW2	10/26/93	---	12.98	---	---	Sheen	---	---	---	---	---	---	---	---	---
MW2	11/12/93	---	12.98	---	---	---	---	---	---	---	---	---	---	---	---
MW2	12/27/93	---	12.98	---	---	---	---	---	---	---	---	---	---	---	---
MW2	01/20/94	---	12.98	---	---	---	---	---	---	---	---	---	---	---	---
MW2	02/02/94 - 02/03/94	---	12.98	---	---	---	---	---	---	---	---	---	---	---	---
MW2	03/10/94	---	12.98	6.96	6.29	[8 c.]	---	---	---	---	---	---	---	---	---
MW2	04/22/94	---	12.98	---	---	[10 c.]	---	---	---	---	---	---	---	---	---
MW2	05/10/94 - 05/11/94	---	12.98	---	---	[5 c.]	---	---	---	---	---	---	---	---	---
MW2	06/27/94	---	12.98	7.10	5.88	Sheen	---	---	---	---	---	---	---	---	---
MW2	08/31/94	---	12.98	8.58	4.40	Sheen	---	---	---	---	---	---	---	---	---
MW2	09/29/94	---	12.98	9.11	3.87	Sheen	---	---	---	---	---	---	---	---	---
MW2	10/25/94	---	12.98	7.76	5.22	Sheen	---	---	---	---	---	---	---	---	---
MW2	11/30/94	---	12.98	7.33	5.65	---	---	---	---	---	---	---	---	---	---
MW2	12/27/94	---	12.98	6.77	6.21	Sheen	---	---	---	---	---	---	---	---	---
MW2	02/06/95	---	12.98	5.00	7.98	Sheen	---	---	---	---	---	---	---	---	---
MW2	06/07/95	---	12.98	7.14	5.84	Sheen	---	---	---	---	---	---	---	---	---
MW2	09/18/95	---	12.98	10.82	2.16	Sheen	---	---	---	---	---	---	---	---	---
MW2	11/01/95	---	12.98	11.65	1.33	Sheen	---	---	---	---	---	---	---	---	---
MW2	02/14/96	---	12.98	8.39	4.59	Sheen	---	---	---	---	---	---	---	---	---
MW2	06/19/96	---	12.98	6.55	6.43	Sheen	---	---	---	---	---	---	---	---	---
MW2	09/24/96	---	12.98	11.56	1.42	Sheen	---	---	---	---	---	---	---	---	---
MW2	12/11/96	---	12.98	8.02	4.96	Sheen	---	---	---	---	---	---	---	---	---
MW2	03/19/97	---	12.98	8.63	4.35	Sheen	---	---	---	---	---	---	---	---	---
MW2	06/04/97	---	12.98	10.57	2.41	Sheen	---	---	---	---	---	---	---	---	---
MW2	09/02/97	---	12.98	11.51	1.47	Sheen	---	---	---	---	---	---	---	---	---
MW2	12/02/97	---	12.98	11.24	1.74	No	820	1,400	57	---	15	2.8	8.6	<2.5	
MW2	03/27/98	---	12.98	6.06	6.92	No	2,000	7,400	<50	---	1,400	350	490	1,500	
MW2	06/23/98	---	12.98	11.06	1.92	Sheen	2,900	180	9.5	---	3.2	0.55	0.92	1.3	
MW2	09/29/98	---	12.98	10.51	2.47	No	180	290	9.3	---	<0.50	0.65	1.5	1.5	
MW2	12/30/98	---	12.98	9.83	3.15	No	700	520	16	---	17	0.96	2.6	3.5	
MW2	03/24/99	---	12.98	4.47	8.51	No	1,440	14,000	<40	---	1,300	336	786	3,420	



**TABLE 1A**  
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Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW2	06/22/99	---	12.98	6.42	6.56	No		2,310	1,080	25.2	---	54.3	14.9	38.8	107
MW2	09/29/99	---	12.98	8.00	4.98	No		2,720e	517	15.4	---	37.5	7.48	12.9	15.2
MW2	12/21/99	---	12.98	8.10	4.88	No		6,300	3,200	<2	---	360	5.5	120	106
MW2	03/21/00	---	12.98	Well inaccessible.											
MW2	03/30/01	---	12.98	3.09	9.89	No		510	200	---	110	7.2	<0.5	2.4	2.1
MW2	11/01/01	---	13.06	Well surveyed in compliance with AB 2886 requirements.											
MW2	03/11/02 k	---	13.06	3.78	9.28	No		293	<1,000	62.0	30	<10.0	<10.0	<10.0	<10.0
MW2	03/11/03	---	13.06	5.49	7.57	No		422	1,490	325	428	279	3.0	9.8	18.9
MW2	03/27/04	---	13.06	4.65	8.41	No		184g	254	---	131	6.80	0.5	<0.5	1.2
MW2	11/02/04	---	13.06	4.43	8.63	No		96	52.0	---	8.00	1.40	<0.5	<0.5	<0.5
MW2	02/04/05	---	13.06	3.32	9.74	No		372g	66.0	---	8.30	<0.50	<0.5	<0.5	<0.5
MW2	05/02/05	---	13.06	2.74	10.32	No		195g	84.2	---	5.30	<0.50	<0.5	<0.5	<0.5
MW2	08/01/05	---	13.06	2.99	10.07	No		344g	<50.0	---	1.70	0.60	<0.5	<0.5	<0.5
MW2	10/25/05	---	13.06	2.08	10.98	No		55.3g	<50.0	---	1.22	<0.50	<0.50	<0.50	<0.50
MW2	01/24/06	---	13.06	2.77	10.29	No		170g	<50	---	1.6	<0.50	<0.50	<0.50	<0.50
MW2	04/28/06	---	13.06	1.46	11.60	No		6,900m	<50	---	1.4n	0.99n	<0.50	<0.50	<0.50
MW2	08/04/06	---	13.06	1.52	11.54	No		145	<50.0	---	0.820	<0.50	<0.50	<0.50	<0.50
MW2	10/06/06	---	13.06	5.55	7.51	No		90g	<50	---	2.1	0.78	<0.50	<0.50	<0.50
MW2	01/12/07	---	13.06	5.50	7.56	No		180g	95	---	7.0	7.6	<0.50	<0.50	<0.50
MW2	04/09/07	---	13.06	5.68	7.38	No		230g	115	---	8.99	1.36j	<0.50	<0.50	0.62
MW2	08/06/07	---	13.06	6.15	6.91	No		160g	83	---	7.4	0.65	<0.50	<0.50	<0.50
MW2	11/15/07	---	13.06	6.71	6.35	No		120g	140	---	13	22	<0.50	<0.50	<0.50
MW2	01/02/08	---	13.06	6.20	6.86	No		430j	890	---	25	330	<5.0	<5.0	6.6
MW2	04/03/08	---	13.06	5.10	7.96	No		230g	170	---	13	<0.50	1.0	<0.50	1.9
MW2	07/09/08	---	13.06	6.23	6.83	No		350g	86	---	6.4	<0.50	<0.50	<0.50	<0.50
MW2	10/01/08	---	13.06	Well covered by asphalt.											
MW2	01/07/09	---	13.06	Well covered by asphalt.											
MW2	01/16/09	---	13.06	6.99	6.07	No		1,100	1,000	---	14	290	3.6	1.2	11
MW2	04/24/09	---	13.06	5.76	7.30	No		310	570	---	6.1	<0.50	<0.50	<0.50	<1.0
MW2	07/01/09	---	13.06	6.37	6.69	No		290	68	---	11	<0.50	<0.50	<0.50	<1.0
MW2	10/01/09	---	13.06	6.61	6.45	No		---	---	---	---	---	---	---	---
MW2	03/04/10	---	13.06	3.84	9.22	No		---	---	---	---	---	---	---	---
MW2	05/06/10	---	13.06	4.10	8.96	No		680	230g	---	1.8	<0.50	<0.50	<0.50	<1.0
MW2	08/06/10	---	13.06	6.10	6.96	No		---	---	---	---	---	---	---	---
MW2	11/02/10	---	13.06	6.83	6.23	No		290	240g	---	4.4	15	<0.50	<0.50	<1.0
MW2	04/21/11	---	13.06	7.10	5.96	No		230	120g	---	1.2	<0.50	<0.50	<0.50	<1.0
MW2	10/18/11	---	13.06	7.51	5.55	No		270	100g	---	2.7	4.3	1.2	0.71t	3.0
MW2	04/25/12	---	13.06	4.77	8.29	No		200	140	---	<0.50	<0.50	<0.50	<0.50	<1.0
<b>MW2</b>	<b>10/04/12</b>	---	<b>13.06</b>	<b>7.27</b>	<b>5.79</b>	<b>No</b>		<b>420g</b>	<b>650g</b>	---	<b>1.5</b>	<b>34</b>	<b>3.8</b>	<b>&lt;0.50</b>	<b>2.8</b>
MW3	09/10/87	---	Well installed.												
MW3	Sept 1987	---	12.92	---	---	---		660	2,101	---	---	360	1,062	68	298

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	May 1988	---	12.92	---	---	---	---	---	8,700	---	---	3,980	280	240	600
MW3	04/25/89	---	12.92	7.57	5.43	0.08	---	---	---	---	---	---	---	---	---
MW3	07/19/89	---	12.92	10.33	3.14	0.66	---	---	---	---	---	---	---	---	---
MW3	07/27/89	---	12.92	Well inaccessible.		---	---	---	---	---	---	---	---	---	---
MW3	09/06/89	---	12.92	11.22	1.78	0.07	---	---	---	---	---	---	---	---	---
MW3	09/22/89	---	12.92	11.38	1.78	0.28	---	---	---	---	---	---	---	---	---
MW3	11/01/89	---	12.92	10.90	2.05	0.01	---	---	---	---	---	---	---	---	---
MW3	11/15/89	---	12.92	11.18	1.85	0.11	---	---	---	---	---	---	---	---	---
MW3	12/06/89	---	12.92	10.29	2.65	Sheen	---	---	---	---	---	---	---	---	---
MW3	02/20/90	---	12.92	8.73	4.24	0.04	---	---	---	---	---	---	---	---	---
MW3	04/19/90	---	12.92	9.20	3.81	0.09	---	---	---	---	---	---	---	---	---
MW3	07/03/90	---	12.92	8.50	4.46	0.03	---	---	---	---	---	---	---	---	---
MW3	07/26/90	---	12.92	8.58	4.39	0.04	---	---	---	---	---	---	---	---	---
MW3	08/20/90	---	12.92	9.21	3.74	0.01	---	---	---	---	---	---	---	---	---
MW3	09/19/90	---	12.92	10.02	3.20	0.35	---	---	---	---	---	---	---	---	---
MW3	11/27/90	---	12.92	10.72	2.56	0.42	---	---	---	---	---	---	---	---	---
MW3	01/17/91	---	12.92	10.05	2.97	0.10	---	---	---	---	---	---	---	---	---
MW3	03/26/91	---	12.92	7.65	5.37	0.10	---	---	---	---	---	---	---	---	---
MW3	05/02/91	---	12.92	8.54	4.42	0.03	---	---	---	---	---	---	---	---	---
MW3	06/20/91	---	12.92	8.89	4.07	0.03	---	---	---	---	---	---	---	---	---
MW3	08/07/91	---	12.92	9.99	2.97	0.03	---	---	---	---	---	---	---	---	---
MW3	09/17/91	---	12.92	10.32	2.80	0.22	---	---	---	---	---	---	---	---	---
MW3	11/13/91	---	12.92	10.14	2.99	0.24	---	---	---	---	---	---	---	---	---
MW3	12/10/91	---	12.92	10.10	2.93	0.11	---	---	---	---	---	---	---	---	---
MW3	01/21/92	---	12.92	9.07	3.92	0.06	---	---	---	---	---	---	---	---	---
MW3	03/25/92	---	12.92	5.96	7.01	0.04	---	---	---	---	---	---	---	---	---
MW3	06/22/92	---	12.92	8.07	4.89	0.02[1/2 c.]	---	---	---	---	---	---	---	---	---
MW3	09/24/92	---	12.92	9.29	3.65	Sheen	---	---	---	---	---	---	---	---	---
MW3	10/14/92	---	12.92	9.49	3.47	0.02[1/2 c.]	---	---	---	---	---	---	---	---	---
MW3	11/16/92	---	12.92	9.29	3.67	0.02[1/2 c.]	---	---	---	---	---	---	---	---	---
MW3	12/08/92	---	12.92	9.08	3.88	0.02[1/2 c.]	---	---	---	---	---	---	---	---	---
MW3	01/27/93	---	12.92	5.65	7.29	Sheen	---	---	---	---	---	---	---	---	---
MW3	02/18/93	---	12.92	4.63	8.31	Sheen	---	---	---	---	---	---	---	---	---
MW3	03/10/93	---	12.92	5.53	7.41	Sheen	---	---	---	---	---	---	---	---	---
MW3	04/06/93	---	12.92	5.10	7.84	Sheen	---	---	---	---	---	---	---	---	---
MW3	05/28/93	---	12.92	6.50	6.44	Sheen	---	---	---	---	---	---	---	---	---
MW3	06/10/93	---	12.92	6.65	6.29	Sheen	---	---	---	---	---	---	---	---	---
MW3	07/17/93	---	12.92	7.03	5.91	Sheen	---	---	---	---	---	---	---	---	---
MW3	08/11/93	---	12.92	7.56	5.38	Sheen	3,200/140q	5,100	---	---	1,300/2,000o	12/<2.5o	87/160o	47/60o	
MW3	09/01/93	---	12.92	8.20	4.75	0.01	---	---	---	---	---	---	---	---	---
MW3	10/26/93	---	12.92	8.88	4.06	Sheen	---	---	---	---	---	---	---	---	---
MW3	11/12/93	---	12.92	8.96	3.98	Sheen	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	12/27/93	---	12.92	9.03	3.91	Sheen	---	---	---	---	---	---	---	---	---
MW3	01/20/94	---	12.92	8.24	4.70	Sheen	---	---	---	---	---	---	---	---	---
MW3	02/02/94 - 02/03/94	---	12.92	7.68	5.26	Sheen	---	---	---	---	---	---	---	---	---
MW3	03/10/94	---	12.92	7.24	5.68	Sheen	---	---	---	---	---	---	---	---	---
MW3	04/22/94	---	12.92	6.79	6.13	Sheen	---	---	---	---	---	---	---	---	---
MW3	05/10/94 - 05/11/94	---	12.92	6.43	6.49	Sheen	---	---	---	---	---	---	---	---	---
MW3	06/27/94	---	12.92	6.97	5.95	0.01	---	---	---	---	---	---	---	---	---
MW3	08/31/94	---	12.92	8.41	4.51	Sheen	---	---	---	---	---	---	---	---	---
MW3	09/29/94	---	12.92	8.97	3.95	Sheen	---	---	---	---	---	---	---	---	---
MW3	10/25/94	---	12.92	9.43	3.49	Sheen	---	---	---	---	---	---	---	---	---
MW3	11/28/94	---	12.92	7.19	5.73	---	---	---	---	---	---	---	---	---	---
MW3	12/27/94	---	12.92	6.64	6.28	Sheen	---	---	---	---	---	---	---	---	---
MW3	02/06/95	---	12.92	4.87	8.05	Sheen	---	---	---	---	---	---	---	---	---
MW3	06/07/95	---	12.92	7.05	5.87	Sheen	---	---	---	---	---	---	---	---	---
MW3	09/18/95	---	12.92	10.61	2.31	Sheen	---	---	---	---	---	---	---	---	---
MW3	11/01/95	---	12.92	11.58	1.34	Sheen	---	---	---	---	---	---	---	---	---
MW3	02/14/96	---	12.92	8.34	4.58	Sheen	---	---	---	---	---	---	---	---	---
MW3	06/19/96	---	12.92	6.35	6.57	Sheen	---	---	---	---	---	---	---	---	---
MW3	09/24/96	---	12.92	11.45	1.47	Sheen	---	---	---	---	---	---	---	---	---
MW3	12/11/96	---	12.92	7.89	5.03	No	17,000	4,800	30	---	340	<5.0	8.2	20	20
MW3	03/19/97	---	12.92	9.83	3.09	No	3,000	1,900	80	---	160	11	5.6	10	10
MW3	06/04/97	---	12.92	10.43	2.49	No	8,000	920	11	---	15	2.8	2.4	<2.0	<2.0
MW3	09/02/97	---	12.92	12.45	0.47	Sheen	---	---	---	---	---	---	---	---	---
MW3	12/02/97	---	12.92	11.21	1.71	No	6,700	920	21	---	10	2.1	<1.0	2.7	2.7
MW3	03/24/98	---	12.92	5.93	6.99	No	4,600	1,500	25	---	5,500	<5.0	<5.0	<5.0	<5.0
MW3	06/23/98	---	12.92	11.13	1.79	No	39,000	1,300	9.4	---	53	<1.0	<1.0	<1.0	<1.0
MW3	09/29/98	---	12.92	10.46	2.46	Sheen	2,600	540	<5.0	---	6.8	1.9	1.4	2.3	2.3
MW3	12/30/98	---	12.92	9.72	3.20	No	11,000	4,000	<50	---	74	<10	<10	<10	<10
MW3	03/24/99	---	12.92	4.36	8.56	Sheen	3,850	2,330	<20	---	<5.0	<5.0	<5.0	<5.0	<5.0
MW3	06/22/99	---	12.92	6.22	6.70	No	6,860	1,470	<10	---	492	<2.5	<2.5	<2.5	<2.5
MW3	09/29/99	---	12.92	8.10	4.82	No	2,290e	315	<5.0	---	11.5	3.07	<1.0	2.54	2.54
MW3	12/21/99	---	12.92	7.99	4.93	No	37,000	6,600	4	---	22	5	5.1	31.4	31.4
MW3	01/26/00	---	12.92	5.48	7.44	No	2,600g	---	---	---	---	---	---	---	---
MW3	03/21/00	---	12.92	Well inaccessible.											
MW3	03/30/01	---	12.92	4.02	8.90	No	2,000	880	---	300	130	<0.5	1.2	2.4	2.4
MW3	11/01/01	---	13.71	Well surveyed in compliance with AB 2886 requirements.											
MW3	03/11/02 k	---	13.71	4.72	8.99	No	19,100	<2,500	130	175	165	<25.0	<25.0	<25.0	<25.0
MW3	03/11/03	---	13.71	6.23	7.48	No	1,190	887	122	119	71.9	0.8	1.1	2.0	2.0
MW3	03/26/04	---	13.71	5.47	8.24	No	16,500g	1,350	---	98.4	30.8	1.6	<0.5	3.8	3.8
MW3	11/02/04	---	13.71	5.30	8.41	No	3,620g	466	---	30.8	32.4	<0.5	<0.5	4.7	4.7
MW3	02/04/05	---	13.71	4.14	9.57	No	2,850g	531	---	22.7	19.3	<0.5	0.6	1.6	1.6
MW3	05/02/05	---	13.71	3.41	10.30	No	3,940g	586	---	29.5	36.3	3.1	0.8	4.3	4.3



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	08/01/05	---	13.71	3.88	9.83	No	1,550	815	---	18.1	36.6	0.6	1.1	2.4	
MW3	10/25/05	---	13.71	3.11	10.60	No	4,010g	379	---	3.47	<0.50	<0.50	<0.50	1.01	
MW3	01/24/06	---	13.71	2.69	11.02	No	2,200g	510	---	13	35	<1.0	2.1	<1.0	
MW3	04/28/06	---	13.71	2.44	11.27	No	100g	330	---	13n	3.8n	<1.0	<1.0	<1.0	
MW3	08/04/06	---	13.71	2.51	11.20	No	3,890	441	---	10.1	14.7	0.57	1.44	4.23	
MW3	10/06/06	---	13.71	6.33	7.38	No	5,300j	360	---	9.7	3.8	<1.0	<1.0	<1.0	
MW3	01/12/07	---	13.71	6.20	7.51	No	4,700	300	---	9.0	3.9	<2.5	<2.5	<2.5	
MW3	04/09/07	---	13.71	6.47	7.24	No	1,600	428	---	11.8	3.33j	<0.50	0.74	4.11	
MW3	08/06/07	---	13.71	6.91	6.80	No	5,200	390	---	8.1	5.3	<0.50	<0.50	<0.50	
MW3	11/15/07	---	13.71	7.47	6.24	No	7,000	290	---	6.2	3.0	<0.50	<0.50	<0.50	
MW3	01/02/08	---	13.71	6.87	6.84	No	19,000j	390	---	9.9	6.4	<1.0	<1.0	<1.0	
MW3	04/03/08	---	13.71	5.96	7.75	No	1,200	330	---	10	4.7	2.5	<0.50	2.9	
MW3	07/09/08	---	13.71	7.00	6.71	No	2,500	640	---	11	10	3.2	<0.50	1.6	
MW3	10/01/08	---	13.71	7.56	6.15	No	590	730	---	6.0	1.4	<0.50	<0.50	<1.0	
MW3	01/07/09	---	13.71	7.61	6.10	No	6,900	760	---	5.9	<0.50	<0.50	1.5	3.0	
MW3	01/16/09	---	13.71	7.74	5.97	No	---	---	---	---	---	---	---	---	
MW3	04/24/09	---	13.71	6.47	7.24	No	6,700	2,200	---	12	<0.50	<0.50	1.5	3.3	
MW3	07/01/09	---	13.71	7.05	6.66	No	1,700	390	---	4.3	<0.50	<0.50	<0.50	2.8	
MW3	10/01/09	---	13.71	7.36	6.35	No	---	---	---	---	---	---	---	---	
MW3	03/04/10	---	13.71	4.64	9.07	No	---	---	---	---	---	---	---	---	
MW3	05/06/10	---	13.71	4.83	8.88	No	2,700	1,300	---	8.9	<0.50	<0.50	<0.50	<1.0	
MW3	08/06/10	---	13.71	8.52	5.19	No	---	---	---	---	---	---	---	---	
MW3	11/02/10	---	13.71	7.37	6.34	No	1,300	1,100g	---	10	<0.50	<0.50	<0.50	<1.0	
MW3	04/21/11	---	13.71	7.67	6.04	0.04	---	---	---	---	---	---	---	---	
MW3	04/22/11	---	13.71	---	---	---	26,000	1,900g	---	5.4	<0.50	<0.50	<0.50	<1.0	
MW3	05/02/11	---	13.71	7.62	6.09	0.05	---	---	---	---	---	---	---	---	
MW3	10/18/11	---	13.71	8.45	5.26	0.13	---	---	---	---	---	---	---	---	
MW3	04/25/12	---	13.71	5.63	8.08	Sheen	9,100	3,200,000g	---	4.5v	<0.50	<0.50	<0.50	<1.0	
<b>MW3</b>	<b>10/04/12</b>	---	<b>13.71</b>	<b>8.00</b>	<b>5.71</b>	<b>0.19</b>	<b>110,000g</b>	<b>5,400,000g</b>	---	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	
MW4	09/10/87	---	Well installed.			---	---	---	---	---	---	---	---	---	
MW4	Sept 1987	---	12.77	---	---	---	740	92,500	---	---	70	7	10	16	
MW4	May 1988	---	12.77	---	---	LPH	---	---	---	---	---	---	---	---	
MW4	04/25/89	---	12.77	7.26	5.64	0.16	---	---	---	---	---	---	---	---	
MW4	07/19/89	---	12.77	10.32	3.03	0.72	---	---	---	---	---	---	---	---	
MW4	07/27/89	---	12.77	Well inaccessible.			---	---	---	---	---	---	---	---	
MW4	09/06/89	---	12.77	11.40	1.43	0.07	---	---	---	---	---	---	---	---	
MW4	09/22/89	---	12.77	11.64	1.28	0.19	---	---	---	---	---	---	---	---	
MW4	11/01/89	---	12.77	11.00	1.77	Sheen	---	---	---	---	---	---	---	---	
MW4	11/15/89	---	12.77	11.18	1.67	0.10	---	---	---	---	---	---	---	---	
MW4	12/06/89	---	12.77	10.25	2.52	Sheen	---	---	---	---	---	---	---	---	
MW4	02/20/90	---	12.77	8.40	4.37	No	---	---	---	---	---	---	---	---	

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	04/19/90	---	12.77	9.04	3.75	0.03	---	---	---	---	---	---	---	---
MW4	07/03/90	---	12.77	8.00	4.77	Sheen	---	---	---	---	---	---	---	---
MW4	07/26/90	---	12.77	8.57	4.23	0.04	---	---	---	---	---	---	---	---
MW4	08/20/90	---	12.77	9.08	3.70	0.01	---	---	---	---	---	---	---	---
MW4	09/19/90	---	12.77	9.76	3.03	0.03	---	---	---	---	---	---	---	---
MW4	11/27/90	---	12.77	10.83	2.01	0.09	---	---	---	---	---	---	---	---
MW4	01/17/91	---	12.77	9.96	2.97	0.20	---	---	---	---	---	---	---	---
MW4	03/26/91	---	12.77	6.20	6.64	0.09	---	---	---	---	---	---	---	---
MW4	05/02/91	---	12.77	7.50	5.30	0.04	---	---	---	---	---	---	---	---
MW4	06/20/91	---	12.77	7.79	5.01	0.04	---	---	---	---	---	---	---	---
MW4	08/07/91	---	12.77	9.81	3.00	0.05	---	---	---	---	---	---	---	---
MW4	09/17/91	---	12.77	10.02	2.83	0.10	---	---	---	---	---	---	---	---
MW4	11/13/91	---	12.77	9.90	2.97	0.12	---	---	---	---	---	---	---	---
MW4	12/10/91	---	12.77	9.92	2.93	0.10	---	---	---	---	---	---	---	---
MW4	01/21/92	---	12.77	9.50	3.33	0.08	---	---	---	---	---	---	---	---
MW4	03/25/92	---	12.77	5.01	7.78	0.03	---	---	---	---	---	---	---	---
MW4	06/22/92	---	12.77	7.34	5.45	0.02[1/2 c.]	---	---	---	---	---	---	---	---
MW4	09/24/92	---	12.77	9.03	3.74	Sheen	---	---	---	---	---	---	---	---
MW4	10/14/92	---	12.77	9.27	3.52	0.02[1/2 c.]	---	---	---	---	---	---	---	---
MW4	11/16/92	---	12.77	9.09	3.70	0.02[1/2 c.]	---	---	---	---	---	---	---	---
MW4	12/08/92	---	12.77	10.24	2.55	0.02[1/2 c.]	---	---	---	---	---	---	---	---
MW4	01/27/93	---	12.77	4.95	7.85	0.04	---	---	---	---	---	---	---	---
MW4	02/18/93	---	12.77	4.89	7.89	0.01	---	---	---	---	---	---	---	---
MW4	03/10/93	---	12.77	6.40	6.37	Sheen	---	---	---	---	---	---	---	---
MW4	04/06/93	---	12.77	4.36	8.41	Sheen	---	---	---	---	---	---	---	---
MW4	05/28/93	---	12.77	---	---	[2 c.]	---	---	---	---	---	---	---	---
MW4	06/10/93	---	12.77	---	---	[2 c.]	---	---	---	---	---	---	---	---
MW4	07/17/93	---	12.77	---	---	2/5 gal.	---	---	---	---	---	---	---	---
MW4	08/11/93	---	12.77	---	---	1/4 gal.	---	---	---	---	---	---	---	---
MW4	09/01/93	---	12.77	---	---	1/4 gal.	---	---	---	---	---	---	---	---
MW4	10/26/93	---	12.77	---	---	---	---	---	---	---	---	---	---	---
MW4	11/12/93	---	12.77	---	---	---	---	---	---	---	---	---	---	---
MW4	12/27/93	---	12.77	---	---	---	---	---	---	---	---	---	---	---
MW4	01/20/94	---	12.77	---	---	---	---	---	---	---	---	---	---	---
MW4	02/02/94 - 02/03/94	---	12.77	---	---	[1 c.]	---	---	---	---	---	---	---	---
MW4	03/10/94	---	12.77	7.12	5.65	[8 c.]	---	---	---	---	---	---	---	---
MW4	04/22/94	---	12.77	---	---	[10 c.]	---	---	---	---	---	---	---	---
MW4	05/10/94 - 05/11/94	---	12.77	---	---	[5 c.]	---	---	---	---	---	---	---	---
MW4	06/27/94	---	12.77	6.5	6.27	0.01	---	---	---	---	---	---	---	---
MW4	08/31/94	---	12.77	7.84	4.93	0.02	---	---	---	---	---	---	---	---
MW4	09/29/94	---	12.77	8.43	4.34	0.03	---	---	---	---	---	---	---	---
MW4	10/25/94	---	12.77	9.24	3.53	Sheen	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	11/30/94	---	12.77	6.77	6.00	---	---	---	---	---	---	---	---	---	---
MW4	12/27/94	---	12.77	6.14	6.63	Sheen	---	---	---	---	---	---	---	---	---
MW4	02/06/95	---	12.77	4.87	7.90	Sheen	---	---	---	---	---	---	---	---	---
MW4	06/07/95	---	12.77	6.91	5.86	Sheen	---	---	---	---	---	---	---	---	---
MW4	09/18/95	---	12.77	9.59	3.18	Sheen	---	---	---	---	---	---	---	---	---
MW4	11/01/95	---	12.77	11.52	1.25	Sheen	---	---	---	---	---	---	---	---	---
MW4	02/14/96	---	12.77	8.56	4.21	Sheen	---	---	---	---	---	---	---	---	---
MW4	06/19/96	---	12.77	6.09	6.68	Sheen	---	---	---	---	---	---	---	---	---
MW4	09/24/96	---	12.77	10.20	2.57	Sheen	---	---	---	---	---	---	---	---	---
MW4	12/11/96	---	12.77	7.78	4.99	Sheen	---	---	---	---	---	---	---	---	---
MW4	03/19/97	---	12.77	8.56	4.21	Sheen	---	---	---	---	---	---	---	---	---
MW4	06/04/97	---	12.77	9.31	3.46	Sheen	---	---	---	---	---	---	---	---	---
MW4	09/02/97	---	12.77	10.00	2.77	Sheen	---	---	---	---	---	---	---	---	---
MW4	12/02/97	---	12.77	8.72	4.05	No	15,000	1,500	50	---	<2.5	9.7	3.0	10	---
MW4	03/24/98	---	12.77	5.79	6.98	No	6,400	540	38	---	<0.5	4.4	1.6	5.4	---
MW4	06/23/98	---	12.77	8.50	4.27	Sheen	7,500	1,000	25	---	3.3	<2.0	<2.0	<2.0	---
MW4	09/29/98	---	12.77	9.77	3.00	Sheen	65,000	7,300	<50	---	<10	<10	<10	<10	---
MW4	12/30/98	---	12.77	8.54	4.23	Sheen	12,000	1,000	170	---	3.8	5.1	<2.5	4.1	---
MW4	03/24/99	---	12.77	4.41	8.36	Sheen	20,500	1,300	4.40	---	2.64	<1.0	<1.0	<1.0	---
MW4	06/22/99	---	12.77	5.71	7.06	No	9,760	1,470	<10	---	404	<2.5	<2.5	<2.5	---
MW4	09/29/99	---	12.77	7.32	5.45	No	2,470f	589c	8.12	---	12.6	<1.0	<1.0	<1.0	---
MW4	12/21/99	---	12.77	7.58	5.19	No	230,000	2,000	<2	---	<0.5	0.56	1.9	18.6	---
MW4	01/26/00	---	12.77	5.85	6.92	No	3,200g	---	---	---	---	---	---	---	---
MW4	03/21/00	---	12.77	3.58	9.19	No	5,900	270	13	---	6.8	0.83	<0.5	3.6	---
MW4	03/30/01	---	12.77	Well covered by asphalt.											
MW5	Prior to September 1987	---	Well installed.												
MW5	Sept 1987	---	8.38	---	---	---	37,220	26,600	---	---	---	560	1,710	1,580	7,150
MW5	May 1988	---	8.38	---	---	LPH	---	---	---	---	---	---	---	---	---
MW5	04/25/89	---	8.38	8.06	0.32	No	---	---	---	---	---	---	---	---	---
MW5	07/18/89	---	Well destroyed.												
MW6	09/10/87	---	Well installed.												
MW6	May 1988	---	14.27	---	---	---	---	29,300	---	---	---	12,820	550	1,440	5,500
MW6	04/25/89	---	14.27	8.02	6.25	No	---	---	---	---	---	---	---	---	---
MW6	09/06/89	---	14.27	13.64	0.69	0.08	---	---	---	---	---	---	---	---	---
MW6	09/22/89	---	14.27	13.79	0.54	0.07	---	---	---	---	---	---	---	---	---
MW6	11/01/89	---	14.27	12.78	1.49	Sheen	---	---	---	---	---	---	---	---	---
MW6	11/15/89	---	14.27	12.91	1.36	Sheen	---	---	---	---	---	---	---	---	---
MW6	12/06/89	---	14.27	11.84	2.43	No	4,800	9,000	---	---	370	13	2.6	430	---
MW6	02/20/90	---	14.27	9.08	5.19	No	---	---	---	---	---	---	---	---	---
MW6	04/19/90	---	14.27	9.72	4.55	No	26,000	27,000	---	---	3,000	120	490	2,100	---



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	07/03/90	---	14.27	8.00	6.27	No	13,000	30,000	---	---	5,500	1,400	1,200	3,100
MW6	07/26/90	---	14.27	8.70	5.57	No	---	---	---	---	---	---	---	---
MW6	08/20/90	---	14.27	9.62	4.65	No	---	---	---	---	---	---	---	---
MW6	09/19/90	---	14.27	10.25	4.02	Sheen	---	---	---	---	---	---	---	---
MW6	11/27/90	---	14.27	10.82	3.45	Sheen	7,600	15,000	---	---	4,400	120	800	2,300
MW6	01/17/91	---	14.27	9.93	4.34	No	---	---	---	---	---	---	---	---
MW6	03/26/91	---	14.27	8.45	5.82	No	<100	55,000	---	---	10,000	380	1,600	6,900
MW6	05/02/91	---	14.27	8.90	5.37	No	---	---	---	---	---	---	---	---
MW6	06/20/91	---	14.27	9.47	4.80	Sheen	---	---	---	---	---	---	---	---
MW6	08/07/91	---	14.27	10.10	4.17	Sheen	---	---	---	---	---	---	---	---
MW6	09/17/91	---	14.27	10.21	4.06	Sheen	---	17,000	---	---	4,500	160	890	3,100
MW6	11/13/91	---	14.27	9.62	4.65	Sheen	---	---	---	---	---	---	---	---
MW6	12/10/91	---	14.27	9.59	4.68	Sheen	1,200	32,000	---	---	6,000	290	1,400	4,700
MW6	01/21/92	---	14.27	9.25	5.02	Sheen	---	---	---	---	---	---	---	---
MW6	03/25/92	---	14.27	6.88	7.39	No	2,700	21,000	---	---	8,000	250	1,700	5,000
MW6	06/22/92	---	14.27	7.38	6.89	No	1,700	43,000	---	---	11,000	150	2,100	5,000
MW6	09/24/92	---	14.27	8.70	5.57	No	2,000	45,000	---	---	9,800	270	1,700	3,600
MW6	10/14/92	---	14.27	8.91	5.36	Sheen	---	---	---	---	---	---	---	---
MW6	11/16/92	---	14.27	8.75	5.52	No	---	---	---	---	---	---	---	---
MW6	12/08/92	---	14.27	8.51	5.76	Sheen	---	---	---	---	---	---	---	---
MW6	01/27/93	---	14.27	5.69	8.58	No	---	---	---	---	---	---	---	---
MW6	02/18/93	---	14.27	4.90	9.45	0.10 [1/2 c.]	---	---	---	---	---	---	---	---
MW6	03/10/93	---	14.27	6.07	8.24	0.05 [1/4 c.]	---	---	---	---	---	---	---	---
MW6	04/06/93	---	14.27	4.98	9.29	Sheen	---	---	---	---	---	---	---	---
MW6	05/28/93	---	14.27	---	---	[3 c.]	---	---	---	---	---	---	---	---
MW6	06/10/93	---	14.27	---	---	[3 c.]	38,000	130,000	---	---	9,800	650	5,100	12,000
MW6	07/17/93	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	08/11/93	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	09/01/93	---	14.27	---	---	[1/2 c.]	---	---	---	---	---	---	---	---
MW6	10/26/93	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	11/12/93	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	12/27/93	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	01/20/94	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	02/02/94 - 02/03/94	---	14.27	---	---	---	---	---	---	---	---	---	---	---
MW6	03/10/94	---	14.27	7.82	6.45	[1/4 c.]	---	---	---	---	---	---	---	---
MW6	04/22/94	---	14.27	---	---	[10 c.]	---	---	---	---	---	---	---	---
MW6	05/10/94 - 05/11/94	---	14.27	---	---	[3 c.]	---	---	---	---	---	---	---	---
MW6	06/27/94	---	14.27	7.77	6.50	Sheen	---	---	---	---	---	---	---	---
MW6	08/31/94	---	14.27	9.02	5.25	Sheen	---	---	---	---	---	---	---	---
MW6	09/29/94	---	14.27	9.51	4.76	Sheen	---	---	---	---	---	---	---	---
MW6	10/25/94	---	14.27	9.93	4.34	Sheen	---	---	---	---	---	---	---	---
MW6	11/30/94	---	14.27	8.05	6.22	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	12/27/94	---	14.27	7.54	7.54	6.73	---	---	---	---	---	---	---	---	---
MW6	02/06/95	---	14.27	5.86	8.41	8.41	Sheen	---	---	---	---	---	---	---	---
MW6	06/07/95	---	14.27	8.07	6.20	6.20	Sheen	---	---	---	---	---	---	---	---
MW6	09/18/95	---	14.27	10.54	3.73	3.73	Sheen	---	---	---	---	---	---	---	---
MW6	11/01/95	---	14.27	11.41	2.86	2.86	Sheen	---	---	---	---	---	---	---	---
MW6	02/14/96	---	14.27	9.17	5.10	5.10	Sheen	---	---	---	---	---	---	---	---
MW6	06/19/96	---	14.27	7.13	7.14	7.14	Sheen	---	---	---	---	---	---	---	---
MW6	09/24/96	---	14.27	11.24	3.03	3.03	Sheen	---	---	---	---	---	---	---	---
MW6	12/11/96	---	14.27	9.20	5.07	5.07	No	2,900	9,100	<100	---	2,100	22	160	260
MW6	03/19/97	---	14.27	10.14	4.13	4.13	No	3,800	24,000	250	---	5,800	91	1,300	1,900
MW6	06/04/97	---	14.27	10.58	3.69	3.69	No	3,300	20,000	270	---	4,400	<50	540	480
MW6	09/02/97	---	14.27	11.02	3.25	3.25	No	2,100	8,100	<25	---	1,800	<25	140	170
MW6	12/02/97	---	14.27	10.45	3.82	3.82	No	2,300	6,800	<100	---	1,100	<20	77	74
MW6	03/24/98	---	14.27	7.09	7.18	7.18	No	3,800	20,000	<250	---	4,300	<50	2,200	1,500
MW6	06/23/98	---	14.27	9.79	4.48	4.48	Sheen	4,100	19,000	<500	---	3,400	<100	1,800	1,100
MW6	09/29/98	---	14.27	10.56	3.71	3.71	No	2,300	8,600	<100	---	2,100	25	300	260
MW6	12/30/98	---	14.27	9.97	4.30	4.30	No	2,700	6,800	<125	---	1,600	<25	84	200
MW6	03/24/99	---	14.27	5.02	9.25	9.25	Sheen	2,670	12,600	<20	---	3,380	16.5	221	190
MW6	06/22/99	---	14.27	6.91	7.36	7.36	No	5,670	6,720	<40	---	2,400	<10	767	14.4
MW6	09/29/99	---	14.27	8.66	5.61	5.61	No	1,370f	6,310d	<250	---	<25	<25	133	<25
MW6	12/21/99	---	14.27	8.57	5.70	5.70	No	2,300	3,800	12	---	890	3.3	94	95
MW6	03/21/00	---	14.27	Well inaccessible.											
MW6	03/30/01	---	14.27	3.66	10.61	10.61	No	2,000	9,200	---	<5	3,100	9.1	130	31
MW6	11/01/01	---	14.23	Well surveyed in compliance with AB 2886 requirements.											
MW6	03/11/02 k	---	14.23	4.55	9.68	9.68	No	1,460	7,660	45.0	<5.0	2,200	25.0 j	410	285
MW6	03/11/03	---	14.23	5.79	8.44	8.44	No	1,100	5,120	15.7	1.80	920	3.2	36	19.4
MW6	03/26/04	---	14.23	5.22	9.01	9.01	No	596g	5,090	---	0.70	1,130	14.7	164	62.9
MW6	11/02/04	---	14.23	4.84	9.39	9.39	No	1,000g	4,320	---	<0.50	793	3.6	178	53.0
MW6	02/04/05	---	14.23	3.83	10.40	10.40	No	1,410g	3,950	---	<0.50	1,210	9.4	110	22.6
MW6	05/02/05	---	14.23	3.18	11.05	11.05	No	852g	4,900	---	<0.50	755	6.6	189	20.9
MW6	08/01/05	---	14.23	3.92	10.31	10.31	No	1,290g	3,320	---	1.20	597	5.1	64.7	47.5
MW6	10/25/05	---	14.23	3.93	10.30	10.30	No	861g	2,870	---	1.48	496	4.24	63.5	35.9
MW6	01/24/06	---	14.23	2.81	11.42	11.42	No	570g	4,000	---	<5.0	590	<25	51	<25
MW6	04/28/06	---	14.23	2.68	11.55	11.55	No	400g	3,600	---	2.3n	600n	<12	60	<12
MW6	08/04/06	---	14.23	3.07	11.16	11.16	No	899	4,070	---	0.920	294	4.42	74.1	19.9
MW6	10/06/06	---	14.23	5.64	8.59	8.59	No	430g,j	1,900	---	<0.50	140	<12	24	<12
MW6	01/12/07	---	14.23	5.82	8.41	8.41	No	300g	1,700	---	<0.50	98	<5.0	16	<5.0
MW6	04/09/07	---	14.23	6.03	8.20	8.20	No	230g	2,150	---	<0.500	116j	1.66	12.3	6.39
MW6	08/06/07	---	14.23	6.40	7.83	7.83	No	190g	<500	---	<0.50	85	<5.0	<5.0	<5.0
MW6	11/15/07	---	14.23	6.93	7.30	7.30	No	390g	410	---	<0.50	57	<2.5	<2.5	<2.5
MW6	01/02/08	---	14.23	6.40	7.83	7.83	No	170g,j	670	---	<0.50	63	<2.5	<2.5	<2.5
MW6	04/03/08	---	14.23	5.47	8.76	8.76	No	340g	460	---	<0.50	13	1.9	2.3	2.9

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	07/09/08	---	14.23	6.50	7.73	No	290g	1,200	---	<0.50	86	<5.0	<5.0	<5.0
MW6	10/01/08	---	14.23	Well covered by asphalt.										
MW6	01/07/09	---	14.23	Well covered by asphalt.										
MW6	01/16/09	---	14.23	7.25	6.98	No	110	200	---	<0.50	1.9	<0.50	<0.50	<1.0
MW6	04/24/09	---	14.23	5.91	8.32	No	160	450	---	<0.50	54	<0.50	0.57o	<1.0
MW6	07/01/09	---	14.23	6.47	7.76	No	<50	150	---	<0.50	30	<0.50	<0.50	<1.0
MW6	10/01/09	---	14.23	6.70	7.53	No	---	---	---	---	---	---	---	---
MW6	03/04/10	---	14.23	4.21	10.02	No	---	---	---	---	---	---	---	---
MW6	05/06/10	---	14.23	4.46	9.77	No	74g	480g	---	<0.50	38	0.57t	0.56t	<1.0
MW6	08/06/10	---	14.23	6.07	8.16	No	---	---	---	---	---	---	---	---
MW6	11/02/10	---	14.23	6.92	7.31	No	84g	200g	---	<0.50	14	<0.50	<0.50	<1.0
MW6	04/21/11	---	14.23	6.22	8.01	No	110g	420g	---	<0.50	42	<0.50	<0.50	<1.0
MW6	10/18/11	---	14.23	6.64	7.59	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW6	04/25/12	---	14.23	4.35	9.88	No	<50	200	---	<0.50	9.4	<0.50	<0.50	4.9
<b>MW6</b>	<b>10/04/12</b>	---	<b>14.23</b>	<b>6.34</b>	<b>7.89</b>	<b>No</b>	<b>&lt;50</b>	<b>93g</b>	---	<b>&lt;0.50</b>	<b>7.2</b>	<b>2.0</b>	<b>&lt;0.50</b>	<b>1.5t</b>
MW7	Prior to September 1987---	Well installed.												
MW7	Sept 1987	---	14.84	---	---	---	1,531	2,790	---	---	258	2	<2	42
MW7	May 1988	---	14.84	---	---	---	---	19	---	---	300o	<10o	<10o	<10o
MW7	04/25/89	---	14.84	8.66	6.18	No	---	---	---	---	---	---	---	---
MW7	09/06/89	---	14.84	11.72	3.12	Sheen	---	---	---	---	---	---	---	---
MW7	09/22/89	---	14.84	11.89	2.95	No	---	---	---	---	---	---	---	---
MW7	12/06/89	---	14.84	10.46	4.38	No	2,500	1,700	---	---	220	5.3	5	8.6
MW7	02/20/90	---	14.84	8.44	6.40	No	---	---	---	---	---	---	---	---
MW7	04/19/90	---	14.84	9.54	5.30	No	3,500	2,700	---	---	220	8.6	7	20
MW7	07/03/90	---	14.84	7.54	7.39	No	910	2,500	---	---	380	13	16	35
MW7	07/26/90	---	14.84	8.08	6.76	No	---	---	---	---	---	---	---	---
MW7	08/20/90	---	14.84	8.82	6.02	No	---	---	---	---	---	---	---	---
MW7	09/19/90	---	14.84	9.01	5.83	No	---	---	---	---	---	---	---	---
MW7	11/27/90	---	14.84	9.54	5.30	No	1,300	2,300	---	---	630	16	32	29
MW7	01/17/91	---	14.84	8.50	6.34	No	---	---	---	---	---	---	---	---
MW7	03/26/91	---	14.84	5.92	8.92	No	<100	<3,500	---	---	420	18	17	27
MW7	05/02/91	---	14.84	7.72	7.12	No	---	---	---	---	---	---	---	---
MW7	06/20/91	---	14.84	8.19	6.65	No	<100	3,100	---	---	270	8.8	33	19
MW7	08/07/91	---	14.84	8.70	6.14	No	---	---	---	---	---	---	---	---
MW7	09/17/91	---	14.84	8.77	6.07	No	---	2,400	---	---	390	10	15	18
MW7	11/13/91	---	14.84	8.51	6.33	No	---	---	---	---	---	---	---	---
MW7	12/10/91	---	14.84	8.58	6.26	No	530	1,700	---	---	290	5.3	7.1	<0.5
MW7	01/21/92	---	14.84	8.32	6.52	No	---	---	---	---	---	---	---	---
MW7	03/25/92	---	14.84	9.27	5.57	No	760	1,500	---	---	320	7.2	16	19
MW7	06/22/92	---	14.84	6.97	7.87	No	830	3,100	---	---	260	5.8	21	27
MW7	09/24/92	---	14.84	8.00	6.84	No	660	3,900	---	---	160	4.6	3.7	13

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW7	10/14/92	---	14.84	8.15	6.69	No	---	---	---	---	---	---	---	---	---
MW7	11/16/92	---	14.84	7.92	6.92	No	---	---	---	---	---	---	---	---	---
MW7	12/08/92	---	14.84	7.75	7.09	No	540	17,000	---	---	---	1,100	35	77	46
MW7	01/27/93	---	14.84	5.09	9.75	No	---	---	---	---	---	---	---	---	---
MW7	02/18/93	---	14.84	4.51	10.33	No	---	---	---	---	---	---	---	---	---
MW7	03/10/93	---	14.84	4.78	10.06	No	640	3,500	---	---	---	160	6.2	22	19
MW7	04/06/93	---	14.84	4.48	10.36	No	---	---	---	---	---	---	---	---	---
MW7	05/28/93	---	14.84	5.44	9.40	No	---	---	---	---	---	---	---	---	---
MW7	06/10/93	---	14.84	5.60	9.24	No	570	1,600	---	---	---	140	6.5	22	61
MW7	07/17/93	---	14.84	6.33	8.51	No	---	---	---	---	---	---	---	---	---
MW7	08/11/93	---	14.84	6.87	7.97	No	370/2,000q	2,700	---	---	---	130/140o	1.3/5o	13/12o	12/10o
MW7	09/01/93	---	14.84	7.12	7.72	No	---	---	---	---	---	---	---	---	---
MW7	10/26/93	---	14.84	7.67	7.17	No	1,000	2,500	---	---	---	90	4.7	6.6	15
MW7	11/12/93	---	14.84	7.69	7.15	No	---	---	---	---	---	---	---	---	---
MW7	12/27/93	---	14.84	7.42	7.42	No	---	---	---	---	---	---	---	---	---
MW7	01/20/94	---	14.84	8.67	6.17	No	---	---	---	---	---	---	---	---	---
MW7	02/02/94 - 02/03/94	---	14.84	8.47	6.37	No	1,300	2,900	---	---	---	79	5.0	8.2	21
MW7	03/10/94	---	14.84	8.24	6.37	No	---	---	---	---	---	---	---	---	---
MW7	04/22/94	---	14.84	7.95	6.89	No	---	---	---	---	---	---	---	---	---
MW7	05/10/94 - 05/11/94	---	14.84	7.53	7.31	No	1,300	2,400	---	---	---	88	5.6	5.2	15
MW7	06/27/94	---	14.84	8.01	6.83	No	---	---	---	---	---	---	---	---	---
MW7	08/31/94	---	14.84	9.19	5.65	No	---	---	---	---	---	---	---	---	---
MW7	09/29/94	---	14.84	9.65	5.19	No	56	1,900	---	---	---	71	3.1	3.5	7.8
MW7	10/25/94	---	14.84	9.96	4.88	No	89	1,400	---	---	---	51	1.5	24	6.8
MW7	11/30/94	---	14.84	7.78	7.06	---	---	---	---	---	---	---	---	---	---
MW7	12/27/94	---	14.84	7.51	7.33	---	---	---	---	---	---	---	---	---	---
MW7	02/06/95	---	14.84	5.79	9.05	No	1,300	2,500	---	---	---	130	<10	<10	<10
MW7	06/07/95	---	14.84	7.73	7.11	No	1,200	2,400	39	---	---	91	5	7.6	14
MW7	06/22/95	---	14.84	6.97	7.87	No	660	3,900	---	---	---	260	5.8	21	27
MW7	09/18/95	---	14.84	9.81	5.03	No	1,100	1,800	<25	---	---	17	<5.0	<5.0	<5.0
MW7	11/01/95	---	14.84	10.56	4.28	No	1,700	3,000	<13	---	---	2.7	11	25	<2.5
MW7	02/14/96	---	14.84	8.04	6.80	No	1,200	1,900	<25	---	---	59	<5.0	<5.0	<5.0
MW7	06/19/96	---	14.84	7.33	7.51	No	1,400	2,000	<25	---	---	96	<5.0	<5.0	5.6
MW7	09/24/96	---	14.84	10.10	4.74	No	1,100	950	<25	---	---	6.8	<5.0	<5.0	<5.0
MW7	12/11/96	---	14.84	8.50	6.34	No	1,600	2,500	<10	---	---	50	<2.0	6.4	30
MW7	03/19/97	---	14.84	8.88	5.96	No	840	2,700	<25	---	---	61	8.0	21	68
MW7	06/04/97	---	14.84	9.38	5.46	No	1,000	1,900	<2.5	---	---	45	<2.0	5.3	13
MW7	09/02/97	---	14.84	9.69	5.15	No	790	1,700	<2.5	---	---	28	2.2	<2.0	5.9
MW7	12/02/97	---	14.84	8.65	6.19	No	1,100	2,000	14	---	---	33	2.2	2.0	5.8
MW7	03/24/98	---	14.84	6.40	8.44	No	950	2,300	<25	---	---	73	<5.0	<5.0	22
MW7	06/23/98	---	14.84	8.34	6.50	No	1,600	4,700	140	---	---	50	<5.0	12	20
MW7	09/29/98	---	14.84	9.76	5.08	No	630	700	<5.0	---	---	2.7	1.3	2.4	5.3

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW7	12/30/98	---	14.84	8.86	5.98		No	1,700	1,400	<5.0	---	17	7.7	2.8	16
MW7	03/24/99	---	14.84	5.48	9.36		Sheen	860	1,740	6.73	---	59.2	2.76	4.33	15.1
MW7	06/22/99	---	14.84	6.54	8.30		No	5,330	3,250	<4.0	---	59.5	3.96	2.89	6.38
MW7	09/29/99	---	14.84	8.45	6.39		No	1,750f	1,360c,d	<25	---	3.07	<2.5	5.02	6.32
MW7	12/21/99	---	14.84	8.39	6.45		No	4,600	2,900	<2	---	47	2	1.7	8.53
MW7	03/21/00	---	14.84	4.72	10.12		No	1,500	760	<2	---	43	2	2.2	10.8
MW7	12/21/00	---	Well destroyed.												
MW8	Prior to September 1987	---	Well installed.												
MW8	Sept 1987	---	13.45	---	---	---	---	---	1,325	---	---	81	74	42	182
MW8	May 1988	---	13.45	---	---	---	---	---	---	---	---	---	---	---	---
MW8	04/25/89	---	13.45	8.31	5.67	---	---	---	---	---	---	---	---	---	---
MW8	07/19/89	---	13.45	10.97	3.48	---	---	---	---	---	---	---	---	---	---
MW8	07/27/89	---	13.45	10.34	3.17	---	---	---	---	---	---	---	---	---	---
MW8	09/06/89	---	13.45	11.09	2.50	---	---	---	---	---	---	---	---	---	---
MW8	09/22/89	---	13.45	11.58	2.16	---	---	---	---	---	---	---	---	---	---
MW8	11/01/89	---	13.45	11.03	2.42	---	No	---	---	---	---	---	---	---	---
MW8	11/15/89	---	13.45	11.25	2.21	---	---	---	---	---	---	---	---	---	---
MW8	12/06/89	---	13.45	10.30	3.15	---	Sheen	34,000	42,000	---	---	2,600	630	210	3,700
MW8	02/20/90	---	13.45	8.00	5.46	---	---	---	---	---	---	---	---	---	---
MW8	04/19/90	---	13.45	8.50	4.95	---	No	53,000	49,000	---	---	2,100	820	1,100	4,800
MW8	07/03/90	---	13.45	7.55	5.90	---	No	32,000	44,000	---	---	4,000	1,500	2,000	6,300
MW8	07/26/90	---	13.45	7.86	5.59	---	No	---	---	---	---	---	---	---	---
MW8	08/20/90	---	13.45	8.92	4.53	---	No	---	---	---	---	---	---	---	---
MW8	09/19/90	---	13.45	9.55	3.90	---	No	---	---	---	---	---	---	---	---
MW8	11/27/90	---	13.45	10.29	3.17	---	---	---	---	---	---	---	---	---	---
MW8	01/17/91	---	13.45	9.97	3.48	---	Sheen	---	---	---	---	---	---	---	---
MW8	03/26/91	---	13.45	8.45	5.00	---	Sheen	---	---	---	---	---	---	---	---
MW8	05/02/91	---	13.45	8.85	4.60	---	Sheen	---	---	---	---	---	---	---	---
MW8	06/20/91	---	13.45	9.45	4.00	---	Sheen	---	---	---	---	---	---	---	---
MW8	08/07/91	---	13.45	10.00	3.45	---	Sheen	---	---	---	---	---	---	---	---
MW8	09/17/91	---	13.45	10.11	3.34	---	Sheen	---	57,000	---	---	14,000	7,800	3,100	12,000
MW8	11/13/91	---	13.45	9.63	3.82	---	Sheen	---	---	---	---	---	---	---	---
MW8	12/10/91	---	13.45	9.66	3.79	---	Sheen	1,400	66,000	---	---	9,500	5,000	3,100	12,000
MW8	01/21/92	---	13.45	9.35	4.10	---	Sheen	---	---	---	---	---	---	---	---
MW8	03/25/92	---	13.45	8.02	5.43	---	Sheen	---	---	---	---	---	---	---	---
MW8	06/22/92	---	13.45	7.01	6.44	---	Sheen	---	---	---	---	---	---	---	---
MW8	09/24/92	---	13.45	8.33	5.12	---	Sheen	---	---	---	---	---	---	---	---
MW8	10/14/92	---	13.45	8.65	4.80	---	Sheen	---	---	---	---	---	---	---	---
MW8	11/16/92	---	13.45	8.27	5.18	---	Sheen	---	---	---	---	---	---	---	---
MW8	12/08/92	---	13.45	8.25	5.20	---	Sheen	---	---	---	---	---	---	---	---
MW8	01/27/93	---	13.45	5.22	8.23	---	Sheen	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW8	02/18/93	---	13.45	4.27	9.18	Sheen	---	---	---	---	---	---	---	---	---
MW8	03/10/93	---	13.45	5.30	8.15	Sheen	---	---	---	---	---	---	---	---	---
MW8	04/06/93	---	13.45	4.56	8.89	Sheen	---	---	---	---	---	---	---	---	---
MW8	05/28/93	---	13.45	5.62	7.83	Sheen	---	---	---	---	---	---	---	---	---
MW8	06/10/93	---	13.45	5.75	7.70	Sheen	---	---	---	---	---	---	---	---	---
MW8	07/17/93	---	13.45	6.43	7.02	Sheen	---	---	---	---	---	---	---	---	---
MW8	08/11/93	---	13.45	6.99	6.46	Sheen	2,600/370q	53,000	---	---	4,200/4,900o	1,300/1,600o	2,600/3,300o	7,200/8,200o	---
MW8	09/01/93	---	13.45	7.33	6.12	Sheen	---	---	---	---	---	---	---	---	---
MW8	10/26/93	---	13.45	7.98	5.47	Sheen	---	---	---	---	---	---	---	---	---
MW8	11/12/93	---	13.45	8.07	5.38	Sheen	---	---	---	---	---	---	---	---	---
MW8	12/27/93	---	13.45	---	---	---	---	---	---	---	---	---	---	---	---
MW8	01/20/94	---	13.45	8.90	4.55	Sheen	---	---	---	---	---	---	---	---	---
MW8	02/02/94 - 02/03/94	---	13.45	8.58	4.87	Sheen	---	---	---	---	---	---	---	---	---
MW8	03/10/94	---	13.45	7.16	6.29	No	---	---	---	---	---	---	---	---	---
MW8	04/22/94	---	13.45	7.34	6.11	Sheen	---	---	---	---	---	---	---	---	---
MW8	05/10/94 - 05/11/94	---	13.45	7.04	6.41	Sheen	---	---	---	---	---	---	---	---	---
MW8	06/27/94	---	13.45	6.01	7.44	Sheen	---	---	---	---	---	---	---	---	---
MW8	08/31/94	---	13.45	9.26	4.19	Sheen	---	---	---	---	---	---	---	---	---
MW8	09/29/94	---	13.45	9.76	3.69	Sheen	---	---	---	---	---	---	---	---	---
MW8	10/25/94	---	13.45	10.05	3.40	Sheen	---	---	---	---	---	---	---	---	---
MW8	11/30/94	---	13.45	7.68	5.77	---	---	---	---	---	---	---	---	---	---
MW8	12/27/94	---	13.45	7.11	6.34	Sheen	---	---	---	---	---	---	---	---	---
MW8	02/06/95	---	13.45	5.39	8.06	Sheen	---	---	---	---	---	---	---	---	---
MW8	06/07/95	---	13.45	7.53	5.92	Sheen	---	---	---	---	---	---	---	---	---
MW8	09/18/95	---	13.45	9.84	3.61	Sheen	---	---	---	---	---	---	---	---	---
MW8	11/01/95	---	13.45	10.47	2.98	Sheen	---	---	---	---	---	---	---	---	---
MW8	02/14/96	---	13.45	8.27	5.18	Sheen	---	---	---	---	---	---	---	---	---
MW8	06/19/96	---	13.45	6.88	6.57	Sheen	---	---	---	---	---	---	---	---	---
MW8	09/24/96	---	13.45	10.13	3.32	Sheen	---	---	---	---	---	---	---	---	---
MW8	12/11/96	---	13.45	8.53	4.92	Sheen	---	---	---	---	---	---	---	---	---
MW8	03/19/97	---	13.45	9.09	4.36	Sheen	---	---	---	---	---	---	---	---	---
MW8	06/04/97	---	13.45	9.52	3.93	Sheen	---	---	---	---	---	---	---	---	---
MW8	09/02/97	---	13.45	9.72	3.73	No	8,000	20,000	<50	---	57	<50	850	660	---
MW8	12/02/97	---	13.45	8.83	4.62	No	2,700	6,900	130	---	83	<10	<10	100	---
MW8	03/24/98	---	13.45	6.52	6.93	No	2,900	10,000	<125	---	190	<25	470	330	---
MW8	06/23/98	---	13.45	9.02	4.43	No	3,700	10,000	<50	---	140	<10	460	260	---
MW8	09/29/98	---	13.45	9.72	3.73	No	3,600	12,000	130	---	46	<10	340	190	---
MW8	12/30/98	---	13.45	9.06	4.39	No	3,000	11,000	140	---	170	<25	230	160	---
MW8	03/24/99	---	13.45	5.21	8.24	Sheen	2,250	13,000	22.6	---	336	53.2	415	326	---
MW8	06/22/99	---	13.45	6.51	6.94	Sheen	4,010	13,000	64.9	---	174	<5.0	186	13.1	---
MW8	09/29/99	---	13.45	8.22	5.23	No	2,170f	5,420	<25	---	20.4	<5.0	<5.0	38.5	---
MW8	12/21/99	---	13.45	8.41	5.04	No	2,100	4,700	<2	---	190	15	160	68.2	---



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Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW8	03/21/00	---	13.45	4.47	8.98	No	---	---	6,300	270	---	380	12	260	86
MW8	12/21/00	---	Well destroyed.												
MW9	Prior to May 1988	---	Well installed.												
MW9	May 1988	---	14.64	---	---	---	---	---	<50	---	---	<0.5	1	<1	<1
MW9	04/25/89	---	14.64	8.25	6.39	No	---	---	---	---	---	---	---	---	---
MW9	09/06/89	---	14.64	Well inaccessible.											
MW9	09/22/89	---	14.64	Well inaccessible.											
MW9	12/06/89	---	14.64	10.12	4.52	No	110	100	---	---	---	1.8	3.7	1.4	8.8
MW9	02/20/90	---	14.64	9.38	5.26	No	---	---	---	---	---	---	---	---	---
MW9	04/19/90	---	14.64	9.40	5.25	No	<100	<20	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	07/03/90	---	14.64	8.79	5.85	No	<100	<20	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	07/26/90	---	14.64	8.70	5.94	No	---	---	---	---	---	---	---	---	---
MW9	08/20/90	---	14.64	9.09	5.55	No	---	---	---	---	---	---	---	---	---
MW9	09/19/90	---	14.64	9.52	5.12	No	---	---	---	---	---	---	---	---	---
MW9	11/27/90	---	14.64	9.89	4.75	No	---	---	---	---	---	---	---	---	---
MW9	01/17/91	---	14.64	Well inaccessible.											
MW9	03/26/91	---	14.64	Well inaccessible.											
MW9	05/02/91	---	14.64	9.10	5.54	No	---	---	---	---	---	---	---	---	---
MW9	06/20/91	---	14.64	8.76	5.88	No	<100	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	08/07/91	---	14.64	9.37	5.27	No	---	---	---	---	---	---	---	---	---
MW9	09/17/91	---	14.64	9.57	5.07	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	11/13/91	---	14.64	9.46	5.18	No	---	---	---	---	---	---	---	---	---
MW9	12/10/91	---	14.64	9.30	5.34	No	52	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	01/21/92	---	14.64	9.68	4.96	No	---	---	---	---	---	---	---	---	---
MW9	03/25/92	---	14.64	8.93	5.71	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	06/22/92	---	14.64	7.45	7.19	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	09/24/92	---	14.64	8.69	5.95	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	10/14/92	---	14.64	8.83	5.81	No	---	---	---	---	---	---	---	---	---
MW9	11/16/92	---	14.64	8.80	5.84	No	---	---	---	---	---	---	---	---	---
MW9	12/08/92	---	14.64	8.70	5.94	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	01/27/93	---	14.64	---	---	---	---	---	---	---	---	---	---	---	---
MW9	02/18/93	---	14.64	9.22	5.42	No	---	---	---	---	---	---	---	---	---
MW9	03/10/93	---	14.64	5.25	9.39	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	04/06/93	---	14.64	5.07	9.57	No	---	---	---	---	---	---	---	---	---
MW9	05/28/93	---	14.64	6.08	8.56	No	---	---	---	---	---	---	---	---	---
MW9	06/10/93	---	14.64	6.27	8.37	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	07/17/93	---	14.64	7.09	7.55	No	---	---	---	---	---	---	---	---	---
MW9	08/11/93	---	14.64	7.60	7.04	No	<50/<50p	<50	---	---	---	<0.5/<50	<0.5/<50	<0.5/<50	<0.5/<50
MW9	09/01/93	---	14.64	7.95	6.69	No	---	---	---	---	---	---	---	---	---
MW9	10/26/93	---	14.64	8.44	6.20	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW9	11/12/93	---	14.64	8.44	6.20	No	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9	12/27/93	---	14.64	8.37	6.27	No	---	---	---	---	---	---	---	---	---
MW9	01/20/94	---	14.64	---	---	---	---	---	---	---	---	---	---	---	---
MW9	02/02/94 - 02/03/94	---	14.64	---	---	---	---	---	---	---	---	---	---	---	---
MW9	03/10/94	---	14.64	6.90	7.74	No	---	---	---	---	---	---	---	---	---
MW9	04/22/94	---	14.64	7.38	7.26	No	---	---	---	---	---	---	---	---	---
MW9	05/10/94 - 05/11/94	---	14.64	6.96	7.68	No	---	---	---	---	---	---	---	---	---
MW9	06/27/94	---	14.64	7.65	6.99	No	---	---	---	---	---	---	---	---	---
MW9	08/31/94	---	14.64	8.87	5.77	No	---	---	---	---	---	---	---	---	---
MW9	09/29/94	---	14.64	9.19	5.45	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	10/25/94	---	14.64	9.66	4.98	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	11/30/94	---	14.64	8.38	6.26	---	---	---	---	---	---	---	---	---	---
MW9	12/27/94	---	14.64	7.29	7.35	No	---	---	---	---	---	---	---	---	---
MW9	02/06/95	---	14.64	5.74	8.90	No	56	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	06/07/95	---	14.64	8.33	6.31	No	72	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	09/18/95	---	14.64	9.28	5.36	No	60	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	11/01/95	---	14.64	10.09	4.55	No	61	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	02/14/96	---	14.64	6.26	8.38	No	83	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	06/19/96	---	14.64	6.68	7.96	No	68	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	09/24/96	---	14.64	9.72	4.92	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	12/11/96	---	14.64	8.11	6.53	No	91	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	03/19/97	---	14.64	7.72	6.92	No	140	<50	<2.5	---	0.83	<0.5	<0.5	<0.5	<0.5
MW9	06/04/97	---	14.64	8.87	5.77	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	09/02/97	---	14.64	9.44	5.20	No	140	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	12/02/97	---	14.64	8.43	6.21	No	71	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	03/24/98	---	14.64	5.84	8.80	No	62	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	06/23/98	---	14.64	7.81	6.83	No	69	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	09/29/98	---	14.64	9.26	5.38	No	52	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	12/30/98	---	14.64	8.28	6.36	No	74	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW9	03/24/99	---	14.64	4.74	9.90	No	71.1	b	b	---	b	b	b	b	b
MW9	06/22/99	---	14.64	---	---	---	---	---	---	---	---	---	---	---	---
MW9	09/29/99	---	14.64	8.41	6.23	No	---	---	---	---	---	---	---	---	---
MW9	12/21/99	---	14.64	8.20	6.44	No	---	---	---	---	---	---	---	---	---
MW9	03/21/00	---	14.64	4.59	10.05	No	---	---	---	---	---	---	---	---	---
MW9	12/21/00	---	Well destroyed.												
MW10	Prior to 12/06/08	---	Well installed.												
MW10	12/06/89	---	14.05	10.46	3.59	No	<100	320	---	---	3.7	14	5.6	32	---
MW10	02/20/90	---	14.05	8.12	5.93	No	---	---	---	---	---	---	---	---	---
MW10	04/19/90	---	14.05	8.54	5.51	No	<100	<20	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	07/03/90	---	14.05	7.88	6.17	No	<100	<20	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	07/26/90	---	14.05	8.19	5.86	No	---	---	---	---	---	---	---	---	---
MW10	08/20/90	---	14.05	10.33	3.72	No	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW10	09/19/90	---	14.05	9.49	4.56	No	---	---	---	---	---	---	---	---	---
MW10	11/27/90	---	14.05	9.89	4.16	No	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	01/17/91	---	14.05	9.19	4.86	No	---	---	---	---	---	---	---	---	---
MW10	03/26/91	---	14.05	7.48	6.57	No	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	05/02/91	---	14.05	8.16	5.89	No	---	---	---	---	---	---	---	---	---
MW10	06/20/91	---	14.05	8.75	5.3	No	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	08/07/91	---	14.05	9.53	4.52	No	---	---	---	---	---	---	---	---	---
MW10	09/17/91	---	14.05	9.72	4.33	No	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	11/13/91	---	14.05	10.02	4.03	No	---	---	---	---	---	---	---	---	---
MW10	12/10/91	---	14.05	9.12	4.93	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	01/21/92	---	14.05	8.31	5.74	No	---	---	---	---	---	---	---	---	---
MW10	03/25/92	---	14.05	5.70	8.35	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/22/92	---	14.05	7.50	6.55	No	<50	<50	---	---	<0.5	0.6	<0.5	<0.5	0.8
MW10	09/24/92	---	14.05	8.68	5.37	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	10/14/92	---	14.05	8.88	5.17	No	---	---	---	---	---	---	---	---	---
MW10	11/16/92	---	14.05	8.70	5.35	No	---	---	---	---	---	---	---	---	---
MW10	12/08/92	---	14.05	8.31	5.74	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	0.9
MW10	01/27/93	---	14.05	5.49	8.56	No	---	---	---	---	---	---	---	---	---
MW10	02/18/93	---	14.05	4.26	9.79	No	---	---	---	---	---	---	---	---	---
MW10	03/10/93	---	14.05	5.40	8.65	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	04/06/93	---	14.05	5.28	8.77	No	---	---	---	---	---	---	---	---	---
MW10	05/28/93	---	14.05	6.22	7.83	No	---	---	---	---	---	---	---	---	---
MW10	06/10/93	---	14.05	6.49	7.56	No	<50	<50	---	---	<0.5	0.6	0.7	1.2	1.2
MW10	07/17/93	---	14.05	6.79	7.26	No	---	---	---	---	---	---	---	---	---
MW10	08/11/93	---	14.05	7.20	6.85	No	<50/<50p	<50	---	---	<0.5/<50	<0.5/<50	<0.5/<50	<0.5/<50	1.4/<50
MW10	09/01/93	---	14.05	8.03	6.02	No	---	---	---	---	---	---	---	---	---
MW10	10/26/93	---	14.05	8.38	5.67	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	11/12/93	---	14.05	8.49	5.56	No	---	---	---	---	---	---	---	---	---
MW10	12/27/93	---	14.05	8.22	5.83	No	---	---	---	---	---	---	---	---	---
MW10	01/20/94	---	14.05	8.40	5.65	No	---	---	---	---	---	---	---	---	---
MW10	02/02/94 - 02/03/94	---	14.05	8.00	6.05	No	<50	<50	---	---	<0.5	1.0	<0.5	<0.5	1.8
MW10	03/10/94	---	14.05	7.56	6.49	No	---	---	---	---	---	---	---	---	---
MW10	04/22/94	---	14.05	7.35	6.70	No	---	---	---	---	---	---	---	---	---
MW10	05/10/94 - 05/11/94	---	14.05	7.06	6.99	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/27/94	---	14.05	7.59	6.46	No	---	---	---	---	---	---	---	---	---
MW10	08/31/94	---	14.05	8.73	5.32	No	---	---	---	---	---	---	---	---	---
MW10	09/29/94	---	14.05	9.07	4.98	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	10/25/94	---	14.05	9.41	4.64	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	11/30/94	---	14.05	7.62	6.43	---	---	---	---	---	---	---	---	---	---
MW10	12/27/94	---	14.05	7.01	7.04	No	---	---	---	---	---	---	---	---	---
MW10	02/06/95	---	14.05	5.60	8.45	No	---	<50	<50	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/07/95	---	14.05	7.12	6.93	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW10	09/18/95	---	14.05	8.54	5.51	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	11/01/95	---	14.05	9.44	4.61	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	02/14/96	---	14.05	9.36	4.69	No	64	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/19/96	---	14.05	7.32	6.73	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	09/24/96	---	14.05	9.07	4.98	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	12/11/96	---	14.05	7.73	6.32	No	67	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	03/19/97	---	14.05	7.62	6.43	No	51	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/04/97	---	14.05	8.38	5.67	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	09/02/97	---	14.05	8.64	5.41	No	120	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	12/02/97	---	14.05	7.22	6.83	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	03/24/98	---	14.05	5.71	8.34	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/23/98	---	14.05	7.23	6.82	No	90	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	09/29/98	---	14.05	8.39	5.66	No	<50	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	12/06/98	---	14.05	10.46	3.59	No	<100	320	---	---	4	14	6	32	
MW10	12/30/98	---	14.05	7.74	6.31	No	58	<50	<2.5	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	03/24/99	---	14.05	4.74	9.31	No	<50	<50	<2.0	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/22/99	---	14.05	---	---	---	---	---	---	---	---	---	---	---	---
MW10	09/29/99	---	14.05	8.17	5.88	No	---	---	---	---	---	---	---	---	---
MW10	12/21/99	---	14.05	7.87	6.18	No	---	---	---	---	---	---	---	---	---
MW10	12/21/00	---	Well destroyed.												
MW11	Prior to 12/06/08	---	Well installed.												
MW11	12/06/89	---	13.55	10.62	2.93	No	<100	78	---	---	5.9	6.3	<0.5	48,000	
MW11	02/20/90	---	13.55	9.20	4.35	No	---	---	---	---	---	---	---	---	---
MW11	04/19/90	---	13.55	9.80	3.75	No	<100	<20	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	07/03/90	---	13.55	8.90	4.65	No	<100	<20	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	07/26/90	---	13.55	9.36	4.19	No	---	---	---	---	---	---	---	---	---
MW11	08/20/90	---	13.55	9.90	3.65	No	---	---	---	---	---	---	---	---	---
MW11	09/19/90	---	13.55	10.39	3.16	No	---	---	---	---	---	---	---	---	---
MW11	11/27/90	---	13.55	10.97	2.58	No	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	01/17/91	---	13.55	10.76	2.79	No	---	---	---	---	---	---	---	---	---
MW11	03/26/91	---	13.55	8.80	4.75	No	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	05/02/91	---	13.55	9.38	4.17	No	---	---	---	---	---	---	---	---	---
MW11	06/20/91	---	13.55	10.16	3.39	No	<100	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	08/07/91	---	13.55	10.69	2.86	No	---	---	---	---	---	---	---	---	---
MW11	09/17/91	---	13.55	10.80	2.75	No	---	<50	---	---	<0.5	0.7	<0.5	<0.5	<0.5
MW11	11/13/91	---	13.55	10.44	3.11	No	---	---	---	---	---	---	---	---	---
MW11	12/10/91	---	13.55	10.84	3.07	No	<50	<50	---	---	<0.5	0.7	<0.5	<0.5	<0.5
MW11	01/21/92	---	13.55	10.10	3.45	No	---	---	---	---	---	---	---	---	---
MW11	03/25/92	---	13.55	7.30	6.25	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	06/22/92	---	13.55	9.02	4.53	No	57	84	---	---	1.5	3.1	1.4	9.6	
MW11	09/24/92	---	13.55	9.91	3.64	No	<50	<50	---	---	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW11	10/14/92	---	13.55	10.11	3.44	No	---	---	---	---	---	---	---	---	---
MW11	11/16/92	---	13.55	9.79	3.76	No	---	---	---	---	---	---	---	---	---
MW11	12/08/92	---	13.55	9.77	3.78	No	310	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW11	01/27/93	---	13.55	5.67	7.88	No	---	---	---	---	---	---	---	---	---
MW11	02/18/93	---	13.55	5.06	8.49	No	---	---	---	---	---	---	---	---	---
MW11	03/10/93	---	13.55	6.40	7.14	No	240	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW11	04/06/93	---	13.55	6.42	7.13	No	---	---	---	---	---	---	---	---	---
MW11	05/28/93	---	13.55	7.65	5.90	No	---	---	---	---	---	---	---	---	---
MW11	06/10/93	---	13.55	7.80	5.75	No	50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW11	07/17/93	---	13.55	8.42	5.13	No	---	---	---	---	---	---	---	---	---
MW11	08/11/93	---	13.55	8.87	4.68	No	<50/<50p	<50	---	---	---	0.5/<50p	0.7/<50p	1.2/<50p	2.7/<50p
MW11	09/01/93	---	13.55	9.09	4.46	No	---	---	---	---	---	---	---	---	---
MW11	10/26/93	---	13.55	9.70	3.85	No	80	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW11	11/12/93	---	13.55	9.72	3.83	No	---	---	---	---	---	---	---	---	---
MW11	12/27/93	---	13.55	9.56	3.99	No	---	---	---	---	---	---	---	---	---
MW11	01/20/94	---	13.55	9.61	3.94	No	---	---	---	---	---	---	---	---	---
MW11	02/02/94 - 02/03/94	---	13.55	9.56	3.99	No	160	<50	---	---	---	<0.5	1.0	<0.5	0.9
MW11	03/10/94	---	13.55	8.59	4.96	No	---	---	---	---	---	---	---	---	---
MW11	04/22/94	---	13.55	8.47	5.08	No	---	---	---	---	---	---	---	---	---
MW11	05/10/94 - 05/11/94	---	13.55	8.12	5.43	No	100g	<50	---	---	---	<0.5a	<0.5	<0.5	3.2
MW11	06/24/94	---	13.55	8.65	4.90	No	---	---	---	---	---	---	---	---	---
MW11	08/31/94	---	13.55	9.80	3.75	No	---	---	---	---	---	---	---	---	---
MW11	09/29/94	---	13.55	10.16	3.39	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW11	10/25/94	---	13.55	10.48	3.07	No	<50	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW11	11/30/94	---	13.55	8.55	5.00	---	---	---	---	---	---	---	---	---	---
MW11	12/27/94	---	13.55	7.98	5.57	No	---	---	---	---	---	---	---	---	---
MW11	02/06/95	---	13.55	6.49	7.06	No	160	<50	---	---	---	<0.5	<0.5	<0.5	<0.5
MW11	06/07/95	---	13.55	7.98	5.57	No	50	<50	42	---	---	<0.5	<0.5	<0.5	<0.5
MW11	09/18/95	---	13.55	10.12	3.43	No	56	<50	32	---	---	<0.5	<0.5	<0.5	<0.5
MW11	11/01/95	---	13.55	10.75	2.80	No	170	<50	35	---	---	<0.5	<0.5	<0.5	<0.5
MW11	02/14/96	---	13.55	8.03	5.52	No	76	<50	37	---	---	<0.5	<0.5	<0.5	<0.5
MW11	06/19/96	---	13.55	7.85	5.70	No	92	<50	33	---	---	<0.5	<0.5	<0.5	<0.5
MW11	09/24/96	---	13.55	10.45	3.10	No	58	<50	40	---	---	<0.5	<0.5	<0.5	<0.5
MW11	12/11/96	---	13.55	9.02	4.53	No	110	<50	10	---	---	<0.5	<0.5	<0.5	<0.5
MW11	03/19/97	---	13.55	9.16	4.39	No	100	<50	6.9	---	---	<0.5	<0.5	<0.5	<0.5
MW11	06/04/97	---	13.55	9.91	3.64	No	<50	<50	5.6	---	---	<0.5	<0.5	<0.5	<0.5
MW11	09/02/97	---	13.55	10.25	3.30	No	150	<50	4.5	---	---	<0.5	<0.5	<0.5	<0.5
MW11	12/02/97	---	13.55	9.33	4.22	No	70	<50	5.8	---	---	<0.5	<0.5	<0.5	<0.5
MW11	03/24/98	---	13.55	6.77	6.78	No	<50	<50	4.1	---	---	<0.5	<0.5	<0.5	<0.5
MW11	06/23/98	---	13.55	8.99	4.56	No	70	<50	<2.5	---	---	<0.5	<0.5	<0.5	<0.5
MW11	09/29/98	---	13.55	9.89	3.66	No	76	<50	7.7	---	---	<0.5	<0.5	<0.5	<0.5
MW11	12/30/98	---	13.55	9.17	4.38	No	71	<50	3.5	---	---	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
MW11	03/24/99	---	13.55	5.79	7.76	No	---	58.2	<50	4.51	---	<0.5	1.20	<0.5	<0.5	
MW11	06/22/99	---	13.55	---	---	---	---	---	---	---	---	---	---	---	---	
MW11	09/29/99	---	13.55	9.14	4.41	No	---	---	---	---	---	---	---	---	---	
MW11	12/21/99	---	13.55	9.01	4.54	No	---	---	---	---	---	---	---	---	---	
MW11	03/21/00	---	13.55	5.68	7.87	No	---	---	---	---	---	---	---	---	---	
MW11	12/21/00	---	Well destroyed.													
MW12	11/27/89	---	Well installed.													
MW12	12/06/89	---	12.61	8.00	4.61	No	4,000	85,000	---	---	---	6,700	6,300	1,800	7,800	
MW12	02/20/90	---	12.61	6.33	6.28	No	---	---	---	---	---	---	---	---	---	
MW12	04/19/90	---	12.61	7.18	5.43	No	97,000	110,000	---	---	---	6,600	7,400	1,800	11,000	
MW12	07/03/90	---	12.61	7.41	5.20	No	50,000	92,000	---	---	---	11,000	11,000	3,100	13,000	
MW12	07/26/90	---	12.61	6.54	6.07	No	---	---	---	---	---	---	---	---	---	
MW12	08/20/90	---	12.61	7.23	5.38	No	---	---	---	---	---	---	---	---	---	
MW12	09/19/90	---	12.61	7.77	4.84	No	---	---	---	---	---	---	---	---	---	
MW12	11/27/90	---	12.61	8.15	4.46	No	---	69,000	---	---	---	11,000	10,000	3,100	12,000	
MW12	01/17/91	---	12.61	8.06	4.55	No	---	---	---	---	---	---	---	---	---	
MW12	03/26/91	---	12.61	7.21	5.40	No	<100	100,000	---	---	---	15,000	16,000	2,400	11,000	
MW12	05/02/91	---	12.61	7.60	5.01	Sheen	---	---	---	---	---	---	---	---	---	
MW12	06/20/91	---	12.61	8.02	4.59	Sheen	---	---	---	---	---	---	---	---	---	
MW12	08/07/91	---	12.61	8.25	4.36	Sheen	---	---	---	---	---	---	---	---	---	
MW12	09/17/91	---	12.61	8.20	4.41	Sheen	---	82,000	---	---	---	22,000	18,000	3,900	16,000	
MW12	11/13/91	---	12.61	7.77	4.84	Sheen	---	---	---	---	---	---	---	---	---	
MW12	12/01/91	---	12.61	7.75	4.86	Sheen	1,700	99,000	---	---	---	18,000	16,000	3,000	11,000	
MW12	01/21/92	---	12.61	7.08	5.53	Sheen	---	---	---	---	---	---	---	---	---	
MW12	03/25/92	---	12.61	4.93	7.68	Sheen	---	---	---	---	---	---	---	---	---	
MW12	06/22/92	---	12.61	6.04	6.57	Sheen	---	---	---	---	---	---	---	---	---	
MW12	09/24/92	---	12.61	6.94	5.67	No	3,100	570,000	---	---	---	62,000	46,000	15,000	57,000	
MW12	10/14/92	---	12.61	7.21	5.40	Sheen	---	---	---	---	---	---	---	---	---	
MW12	11/16/92	---	12.61	7.00	5.61	Sheen	---	---	---	---	---	---	---	---	---	
MW12	12/08/92	---	12.61	6.70	5.91	Sheen	---	---	---	---	---	---	---	---	---	
MW12	01/27/93	---	12.61	4.16	8.45	Sheen	---	---	---	---	---	---	---	---	---	
MW12	02/18/93	---	12.61	4.01	8.60	Sheen	---	---	---	---	---	---	---	---	---	
MW12	03/10/93	---	12.61	3.94	8.67	Sheen	---	---	---	---	---	---	---	---	---	
MW12	04/06/93	---	12.61	3.69	8.92	Sheen	---	---	---	---	---	---	---	---	---	
MW12	05/28/93	---	12.61	4.66	7.95	Sheen	---	---	---	---	---	---	---	---	---	
MW12	06/10/93	---	12.61	4.78	7.83	Sheen	---	---	---	---	---	---	---	---	---	
MW12	07/17/93	---	12.61	5.42	7.19	Sheen	---	---	---	---	---	---	---	---	---	
MW12	08/11/93	---	12.61	5.83	6.78	Sheen	2,400/190q	94,000	---	---	---	10,000/13,000o	8,300/11,000o	2,800/4,000o	13,000/15,000o	
MW12	09/01/93	---	12.61	6.22	6.39	Sheen	---	---	---	---	---	---	---	---	---	
MW12	10/26/93	---	12.61	6.82	5.79	No	17,000	68,000	---	---	---	11,000	8,500	3,400	13,000	
MW12	11/12/93	---	12.61	6.88	5.73	No	---	---	---	---	---	---	---	---	---	



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW12	12/27/93	---	12.61	8.04	4.57	No	---	---	---	---	---	---	---	---	---
MW12	01/20/94	---	12.61	7.81	4.80	No	---	---	---	---	---	---	---	---	---
MW12	02/02/94 - 02/03/94	---	12.61	7.22	5.39	No	18,000	48,000	---	---	---	4,000	2,700	2,900	9,900
MW12	03/10/94	---	12.61	6.16	6.45	No	---	---	---	---	---	---	---	---	---
MW12	04/22/94	---	12.61	6.31	6.30	No	---	---	---	---	---	---	---	---	---
MW12	05/10/94 - 05/11/94	---	12.61	6.16	6.45	No	8,200	46,000	---	---	---	3,000s	1,600	2,900	9,100
MW12	06/27/94	---	12.61	6.55	6.06	No	---	---	---	---	---	---	---	---	---
MW12	08/31/94	---	12.61	7.97	4.64	No	---	---	---	---	---	---	---	---	---
MW12	09/29/94	---	12.61	8.52	4.09	Sheen	---	---	---	---	---	---	---	---	---
MW12	10/25/94	---	12.61	8.74	3.87	Sheen	---	---	---	---	---	---	---	---	---
MW12	11/30/94	---	12.61	8.73	3.88	---	---	---	---	---	---	---	---	---	---
MW12	12/30/94	---	12.61	6.17	6.44	No	---	---	---	---	---	---	---	---	---
MW12	02/06/95	---	12.61	4.44	8.17	Sheen	---	---	---	---	---	---	---	---	---
MW12	06/07/95	---	12.61	6.59	6.02	Sheen	---	---	---	---	---	---	---	---	---
MW12	09/18/95	---	12.61	8.96	3.65	Sheen	---	---	---	---	---	---	---	---	---
MW12	11/01/95	---	12.61	10.75	1.86	Sheen	---	---	---	---	---	---	---	---	---
MW12	02/14/96	---	12.61	7.73	4.88	Sheen	---	---	---	---	---	---	---	---	---
MW12	06/19/96	---	12.61	5.80	6.81	Sheen	---	---	---	---	---	---	---	---	---
MW12	09/24/96	---	12.61	9.14	3.47	Sheen	---	---	---	---	---	---	---	---	---
MW12	12/11/96	---	12.61	7.31	5.30	Sheen	---	---	---	---	---	---	---	---	---
MW12	03/19/97	---	12.61	9.96	2.65	Sheen	---	---	---	---	---	---	---	---	---
MW12	06/04/97	---	12.61	8.81	3.80	Sheen	---	---	---	---	---	---	---	---	---
MW12	09/02/97	---	12.61	8.93	3.68	Sheen	---	---	---	---	---	---	---	---	---
MW12	12/02/97	---	12.61	8.41	4.20	No	3,900	45,000	<250	---	1,800	560	3,100	8,700	
MW12	03/24/98	---	12.61	5.37	7.24	No	8,800	42,000	<250	---	820	280	2,800	6,800	
MW12	06/23/98	---	12.61	8.43	4.18	Sheen	7,800	39,000	560	---	1,000	200	2,300	4,900	
MW12	09/29/98	---	12.61	8.94	3.67	Sheen	21,000	40,000	<500	---	1,100	150	2,200	3,100	
MW12	12/30/98	---	12.61	8.47	4.14	Sheen	49,000	79,000	<500	---	1,400	400	3,300	8,500	
MW12	03/24/99	---	12.61	3.71	8.90	Sheen	5,070	40,600	<20	---	328	182	1,690	3,930	
MW12	06/22/99	---	12.61	4.91	7.70	Sheen	15,000	54,800	109	---	203	244	1,530	3,790	
MW12	09/29/99	---	12.61	7.41	5.20	No	6,830f	22,900	194	---	422	72.6	1,790	2,270	
MW12	12/21/99	---	12.61	7.46	5.15	No	10,000	25,000	<40	---	580	26	1,400	1,360	
MW12	03/21/00	---	12.61	3.57	9.04	No	4,400	23,000	860	---	690	33	1,600	3,290	
MW12	03/30/01	---	12.61	Well covered by asphalt.											
MW13	Prior to 12/06/08	---	Well installed.												
MW13	12/06/89	---	14.20	9.35	4.85	No	31,000	52,000	---	---	2,100	2,000	1,400	6,100	
MW13	02/20/90	---	14.20	7.73	6.47	No	---	---	---	---	---	---	---	---	---
MW13	04/19/90	---	14.20	8.68	5.52	No	54,000	59,000	---	---	1,800	1,500	1,400	7,200	
MW13	07/03/90	---	14.20	8.00	6.20	No	26,000	53,000	---	---	4,500	3,100	2,200	7,800	
MW13	07/26/90	---	14.20	7.95	6.25	No	---	---	---	---	---	---	---	---	---
MW13	08/20/90	---	14.20	8.66	5.54	No	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DW Elev. (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW13	09/19/90	---	14.20	9.13	5.07	No	---	---	---	---	---	---	---	---
MW13	11/27/90	---	14.20	9.49	4.71	No	1,600	20,000	---	---	4,500	1,100	880	3,300
MW13	01/17/91	---	14.20	9.61	4.59	No	---	---	---	---	---	---	---	---
MW13	03/26/91	---	14.20	9.25	4.95	No	<100	72,000	---	---	10,000	8,300	1,700	6,900
MW13	05/02/91	---	14.20	9.31	4.89	No	---	---	---	---	---	---	---	---
MW13	06/20/91	---	14.20	9.73	4.47	No	<100	44,000	---	---	5,600	3,100	750	2,600
MW13	08/07/91	---	14.20	Well inaccessible.										
MW13	09/17/91	---	14.20	9.72	4.48	No	---	40,000	---	---	11,000	6,500	2,400	8,100
MW13	11/13/91	---	14.20	9.06	5.14	No	---	---	---	---	---	---	---	---
MW13	12/10/91	---	14.20	9.04	5.16	No	3,700	72,000	---	---	11,000	7,400	2,500	9,400
MW13	01/21/92	---	14.20	8.41	5.79	No	---	---	---	---	---	---	---	---
MW13	03/25/92	---	14.20	5.72	8.48	Sheen	---	---	---	---	---	---	---	---
MW13	06/22/92	---	14.20	7.31	6.89	Sheen	---	---	---	---	---	---	---	---
MW13	09/24/92	---	14.20	8.30	5.90	No	2,900	86,000	---	---	9,500	6,100	2,400	10,000
MW13	10/14/92	---	14.20	8.56	5.64	Sheen	---	---	---	---	---	---	---	---
MW13	11/16/92	---	14.20	8.36	5.84	Sheen	---	---	---	---	---	---	---	---
MW13	12/08/92	---	14.20	8.10	6.10	Sheen	---	---	---	---	---	---	---	---
MW13	01/27/93	---	14.20	---	---	---	---	---	---	---	---	---	---	---
MW13	02/18/93	---	14.20	4.89	9.31	Sheen	---	---	---	---	---	---	---	---
MW13	03/10/93	---	14.20	5.32	8.88	Sheen	---	---	---	---	---	---	---	---
MW13	04/06/93	---	14.20	5.10	9.10	Sheen	---	---	---	---	---	---	---	---
MW13	05/28/93	---	14.20	6.00	8.20	Sheen	---	---	---	---	---	---	---	---
MW13	06/10/93	---	14.20	6.15	8.05	Sheen	---	---	---	---	---	---	---	---
MW13	07/17/93	---	14.20	6.82	7.38	Sheen	---	---	---	---	---	---	---	---
MW13	08/11/93	---	14.20	7.31	6.89	Sheen	2,500/360q	62,000	---	---	5,600/7,700o	2,700/3,700o	2,300/3,500o	11,000/14,000o
MW13	09/01/93	---	14.20	7.62	6.58	Sheen	---	---	---	---	---	---	---	---
MW13	10/26/93	---	14.20	8.22	5.98	No	15,000	46,000	---	---	5,200	3,200	2,500	11,000
MW13	11/12/93	---	14.20	8.29	5.91	No	---	---	---	---	---	---	---	---
MW13	12/27/93	---	14.20	---	---	---	---	---	---	---	---	---	---	---
MW13	01/20/94	---	14.20	9.08	5.12	No	---	---	---	---	---	---	---	---
MW13	02/02/94 - 02/03/94	---	14.20	8.75	5.45	No	8,100	41,000	---	---	3,800	1,500	2,700	9,500
MW13	03/10/94	---	14.20	7.46	6.74	Sheen	---	---	---	---	---	---	---	---
MW13	04/22/94	---	14.20	7.78	6.42	Sheen	---	---	---	---	---	---	---	---
MW13	05/10/94 - 05/11/94	---	14.20	7.61	6.59	No	15,000	39,000	---	---	3,400	930	2,400	8,900
MW13	06/27/94	---	14.20	7.97	6.23	No	---	---	---	---	---	---	---	---
MW13	08/31/94	---	14.20	9.21	4.99	No	---	---	---	---	---	---	---	---
MW13	09/29/94	---	14.20	9.61	4.59	No	320	57,000	---	---	2,100	470	2,600	8,100
MW13	10/25/94	---	14.20	9.93	4.27	Sheen	---	---	---	---	---	---	---	---
MW13	11/30/94	---	14.20	8.16	6.04	---	---	---	---	---	---	---	---	---
MW13	12/27/94	---	14.20	7.61	6.59	---	---	---	---	---	---	---	---	---
MW13	02/06/95	---	14.20	5.89	8.31	Sheen	---	---	---	---	---	---	---	---
MW13	06/07/95	---	14.20	8.05	6.15	Sheen	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW13	09/18/95	---	14.20	9.94	4.26	Sheen	---	---	---	---	---	---	---	---	---
MW13	11/01/95	---	14.20	10.48	3.72	Sheen	---	---	---	---	---	---	---	---	---
MW13	02/14/96	---	14.20	8.88	5.32	Sheen	---	---	---	---	---	---	---	---	---
MW13	06/19/96	---	14.20	7.22	6.98	Sheen	---	---	---	---	---	---	---	---	---
MW13	09/24/96	---	14.20	10.27	3.93	Sheen	---	---	---	---	---	---	---	---	---
MW13	12/11/96	---	14.20	8.77	5.43	Sheen	---	---	---	---	---	---	---	---	---
MW13	03/19/97	---	14.20	9.46	4.74	Sheen	---	---	---	---	---	---	---	---	---
MW13	06/04/97	---	14.20	9.59	4.61	Sheen	---	---	---	---	---	---	---	---	---
MW13	09/02/97	---	14.20	9.68	4.52	Sheen	---	---	---	---	---	---	---	---	---
MW13	12/02/97	---	14.20	9.16	5.04	No	16,000	14,000	<250	---	210	<50	920	1,000	---
MW13	03/24/98	---	14.20	6.71	7.49	No	1,700	5,600	55	---	110	6.0	420	330	---
MW13	06/23/98	---	14.20	8.87	5.33	No	3,800	12,000	200	---	120	<20	300	300	---
MW13	09/29/98	---	14.20	9.79	4.41	No	2,400	4,900	130	---	130	12.0	410	200	---
MW13	12/30/98	---	14.20	9.03	5.17	No	2,000	6,700	520	---	100	11	400	250	---
MW13	03/24/99	---	14.20	4.91	9.29	Sheen	688	3,730	15.5	---	35.9	1.58	150	112	---
MW13	06/22/99	---	14.20	5.66	8.54	Sheen	4,090	7,220	56.4	---	29.0	<5.0	496	318	---
MW13	09/29/99	---	14.20	8.62	5.58	No	1,060f	5,200	103	---	83.0	5.90	322	126	---
MW13	12/21/99	---	14.20	8.59	5.61	No	1,800	4,400	<2	---	52	1.9	340	115	---
MW13	03/21/00	---	14.20	Well inaccessible.											
MW13	12/21/00	---	Well destroyed.												
MW14	10/31/90	---	Well installed.												
MW14	11/27/90	---	15.18	9.88	5.30	No	120	390	---	---	<0.5	<0.5	3.6	3.7	---
MW14	01/17/91	---	15.18	9.13	6.05	No	---	---	---	---	---	---	---	---	---
MW14	03/26/91	---	15.18	8.51	6.67	No	<100	200	---	---	<0.5	1.5	0.8	3.6	---
MW14	05/02/91	---	15.18	8.45	6.73	No	---	---	---	---	---	---	---	---	---
MW14	06/20/91	---	15.18	8.38	6.80	No	<100	110	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	09/17/91	---	15.18	9.14	6.04	No	---	450	---	---	<0.5	<0.5	3.2	2.3	---
MW14	11/13/91	---	15.18	8.83	6.35	No	---	---	---	---	---	---	---	---	---
MW14	12/10/91	---	15.18	8.90	6.28	No	280	71	---	---	0.5	<0.5	<0.5	<0.5	<0.5
MW14	01/21/92	---	15.18	8.58	6.60	No	---	---	---	---	---	---	---	---	---
MW14	03/25/92	---	15.18	6.15	9.03	No	640	61	---	---	<0.5	<0.5	1.1	<0.5	<0.5
MW14	06/22/92	---	15.18	7.70	7.48	No	350	140	---	---	<0.5	<0.5	0.6	2	---
MW14	09/24/92	---	15.18	9.34	5.84	No	300	75	---	---	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	10/14/92	---	15.18	9.40	5.78	No	---	---	---	---	---	---	---	---	---
MW14	11/16/92	---	15.18	9.17	6.01	No	---	---	---	---	---	---	---	---	---
MW14	12/08/92	---	15.18	8.89	6.29	No	220	350	---	---	2.5	1.0	1.5	8.1	---
MW14	01/17/93	---	15.18	8.54	6.64	No	---	---	---	---	---	---	---	---	---
MW14	02/18/93	---	15.18	---	---	---	---	---	---	---	---	---	---	---	---
MW14	03/10/93	---	15.18	5.55	9.63	No	<250p	410	---	---	<0.5	<0.5	0.9	1.6	---
MW14	04/06/93	---	15.18	5.34	9.84	No	---	---	---	---	---	---	---	---	---
MW14	05/28/93	---	15.18	6.07	9.11	No	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW14	06/10/93	---	15.18	6.30	8.88	No		180	180	---	---	<0.5	<0.5	0.8	1.9/500r
MW14	07/17/93	---	15.18	7.77	7.41	No		---	---	---	---	---	---	---	---
MW14	08/11/93	---	15.18	7.62	7.56	No		180/140q	180	---	---	0.6/<5o	<0.5/<5o	1.6/<5o	3.7/<5o
MW14	09/01/93	---	15.18	8.09	7.09	No		---	---	---	---	---	---	---	---
MW14	10/26/93	---	15.18	8.18	7.00	No		200	260	---	---	<0.5	<0.5	<0.5	3.6
MW14	11/12/93	---	15.18	8.16	7.02	No		---	---	---	---	---	---	---	---
MW14	12/27/93	---	15.18	7.95	7.23	No		---	---	---	---	---	---	---	---
MW14	01/20/94	---	15.18	---	---	---		---	---	---	---	---	---	---	---
MW14	02/02/94 - 02/03/94	---	15.18	Well inaccessible.											
MW14	03/10/94	---	15.18	7.84	7.34	No		---	---	---	---	---	---	---	---
MW14	04/22/94	---	15.18	8.00	7.18	No		---	---	---	---	---	---	---	---
MW14	05/10/94 - 05/11/94	---	15.18	7.93	7.25	No		1,100s	300	---	---	2.7	7.9	2.0	27
MW14	06/27/94	---	15.18	8.19	6.99	No		---	---	---	---	---	---	---	---
MW14	08/31/94	---	15.18	9.44	5.74	No		---	---	---	---	---	---	---	---
MW14	09/29/94	---	15.18	9.82	5.36	No		---	300	1,600	---	<0.5	<0.5	0.9	1.3
MW14	10/25/94	---	15.18	9.99	5.19	No		---	200	210	---	<0.5	<0.5	0.8	<0.5
MW14	11/30/94	---	15.18	8.16	7.02	---		---	---	---	---	---	---	---	---
MW14	12/27/94	---	15.18	8.15	7.03	Sheen		---	---	---	---	---	---	---	---
MW14	02/06/95	---	15.18	7.18	8.00	No		1,200	360	---	---	<1.0	<1.0	<1.0	<1.0
MW14	06/07/95	---	15.18	7.70	7.48	No		1,100	670	<2.5	---	<0.5	<0.5	3.6	<0.5
MW14	09/18/95	---	15.18	9.88	5.30	No		1,900	1,300	<10	---	<2.0	<2.0	<2.0	3
MW14	11/01/95	---	15.18	10.56	4.62	No		2,700	1,100	<13	---	<2.5	<2.5	3.2	3.1
MW14	02/14/96	---	15.18	9.08	6.10	No		1,500	470	<2.5	---	<0.5	<0.5	1.3	<0.5
MW14	06/19/96	---	15.18	8.50	6.68	No		2,000	610	<12	---	<2.5	<2.5	<2.5	<2.5
MW14	09/24/96	---	15.18	10.23	4.95	No		5,100	1,000	<25	---	<5.0	<5.0	<5.0	<5.0
MW14	12/11/96	---	15.18	9.09	6.09	No		2,100 i	1,100	<10	---	<2.0	<2.0	<2.0	3.3
MW14	03/19/97	---	15.18	7.99	7.19	No		1,400	690	<2.5	---	0.65	1.7	2.5	8.3
MW14	06/04/97	---	15.18	9.30	5.88	No		1,500	730	<2.5	---	<1.2	<1.2	3.5	5.3
MW14	09/02/97	---	15.18	9.92	5.26	No		1,900	910	<5.0	---	<5.0	<5.0	<5.0	5.9
MW14	12/02/97	---	15.18	9.13	6.05	No		1,200	570	<2.5	---	0.85	<0.5	<0.5	1.7
MW14	03/24/98	---	15.18	8.52	6.66	No		1,300	650	5.7	---	1.7	<1.0	<1.0	2.3
MW14	06/23/98	---	15.18	8.69	6.49	No		1,100	470	<2.5	---	<0.5	1.5	1.1	3.0
MW14	09/29/98	---	15.18	9.41	5.77	No		930	570	<2.5	---	<0.50	<0.50	2.5	3.5
MW14	12/30/98	---	15.18	9.31	5.87	No		2,000	420	<2.5	---	<0.5	<0.5	<0.5	2.8
MW14	03/24/99	---	15.18	4.23	10.95	No		936	456	<2.0	---	<0.5	<0.5	0.685	<0.5
MW14	06/22/99	---	15.18	7.24	7.94	No		1,720	403	<2.0	---	<0.5	<0.5	<0.5	<0.5
MW14	09/29/99	---	15.18	9.41	5.77	No		927f	388	<2.5	---	1.31	<0.5	0.864	2.07
MW14	12/21/99	---	15.18	8.93	6.25	No		1,400	420	<2	---	0.61	<0.5	<0.5	6.3
MW14	03/21/00	---	15.18	5.76	9.42	No		---	390	<2	---	1.4	<0.5	0.82	4.5
MW14	03/30/01	---	15.18	4.21	10.97	No		980	330	---	<5	<0.5	<0.5	1.3	3.03
MW14	11/01/01	---	15.14	Well surveyed in compliance with AB 2886 requirements.											
MW14	03/11/02 k	---	15.14	4.87	10.27	No		954	146	1.40	0.6	<0.50	<0.50	0.90	5.70

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Former Exxon Service Station 73006  
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Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW14	03/11/03	---	15.14	6.99	8.15	No	1,020	331	<0.5	---	<0.50	<0.5	<0.5	<0.5	<0.5
MW14	03/26/04	---	15.14	7.82	7.32	No	586g	235	---	<0.50	1.20	0.8	0.6	1.4	
MW14	11/02/04	---	15.14	7.06	8.08	No	1,110g	282	---	<0.50	0.90	<0.5	1.6	7.2	
MW14	02/04/05	---	15.14	6.15	8.99	No	2,880g	327	---	<0.50	0.60	<0.5	0.8	1.8	
MW14	05/02/05	---	15.14	4.97	10.17	No	2,590g	363	---	<0.50	1.20	0.5	1.4	2.5	
MW14	08/01/05	---	15.14	5.31	9.83	No	2,690g	280	---	<0.50	0.90	<0.5	0.9	1.8	
MW14	10/25/05	---	15.14	5.16	9.98	No	5,410g	342	---	<0.500	0.82	<0.50	<0.50	1.98	
MW14	01/24/06	---	15.14	5.40	9.74	No	440g	290	---	<0.50	1.4	<0.50	1.9	<0.50	
MW14	04/28/06	---	15.14	4.06	11.08	No	190g	370	---	<0.50n	1.9n	<0.50	4.2	<0.50	
MW14	08/04/06	---	15.14	4.77	10.37	No	1,290	347	---	<0.500	1.14	<0.50	<0.50	0.61	
MW14	10/06/06	---	15.14	6.97	8.17	No	160g,j	290	---	<0.50	1.3	1.4	3.7	3.0	
MW14	01/12/07	---	15.14	6.86	8.28	No	160g	250	---	<0.50	1.2	<0.50	2.0	<0.50	
MW14	04/09/07	---	15.14	8.31	6.83	No	330g	309	---	<0.500	1.01	0.55	0.97	1.17	
MW14	08/06/07	---	15.14	7.41	7.73	No	200g	290	---	<0.50	<0.50	<0.50	1.0	<0.50	
MW14	11/15/07	---	15.14	7.97	7.17	No	210g	260	---	<0.50	0.66	<0.50	<0.50	1.5	
MW14	01/02/08	---	15.14	8.36	6.78	No	250g,j	380	---	<0.50	0.78	<0.50	1.4	3.4	
MW14	04/03/08	---	15.14	8.75	6.39	No	970g	400	---	<0.50	2.0	2.8	3.9	2.4	
MW14	07/09/08	---	15.14	7.43	7.71	No	1,200g	280	---	<0.50	<0.50	<0.50	<0.50	<0.50	
MW14	10/01/08	---	15.14	7.92	7.22	No	95	500	---	<0.50	<0.50	<0.50	1.5	4.4	
MW14	01/07/09	---	15.14	6.96	8.18	No	1,100	370	---	<0.50	<0.50	<0.50	1.4	2.2	
MW14	01/16/09	---	15.14	7.53	7.61	No	---	---	---	---	---	---	---	---	
MW14	04/24/09	---	15.14	5.71	9.43	No	410	500	---	<0.50	<0.50	<0.50	1.2	<1.0	
MW14	07/01/09	---	15.14	6.71	8.43	No	130	360	---	<0.50	<0.50	<0.50	<0.50	<1.0	
MW14	10/01/09	---	15.14	7.15	7.99	No	---	---	---	---	---	---	---	---	
MW14	03/04/10	---	15.14	4.75	10.39	No	---	---	---	---	---	---	---	---	
MW14	05/06/10	---	15.14	4.64	10.50	No	850g	990	---	<0.50	3.1	0.53	1.8	4.5	
MW14	08/06/10	---	15.14	5.72	9.42	No	---	---	---	---	---	---	---	---	
MW14	11/02/10	---	15.14	6.50	8.64	No	730g	1,100g	---	<0.50	<0.50	<0.50	<0.50	<1.0	
MW14	04/21/11	---	15.14	8.25	6.89	No	---	---	---	---	---	---	---	---	
MW14	04/22/11	---	15.14	---	---	---	750g	1,400g	---	<0.50	<0.50	<0.50	<0.50	<1.0	
MW14	10/18/11	---	15.14	8.81	6.33	No	---	---	---	---	---	---	---	---	
MW14	10/19/11	---	15.14	---	---	---	810g	1,700g	---	<0.50	<0.50	<0.50	<0.50	<1.0	
MW14	04/25/12	---	15.14	3.63	11.51	Sheen	1,400g	1,600g	---	<0.50	<0.50	<0.50	<0.50	<1.0	
<b>MW14</b>	<b>10/04/12</b>	---	<b>15.14</b>	<b>4.03</b>	<b>11.11</b>	<b>No</b>	<b>650g</b>	<b>1,700g</b>	---	<b>&lt;0.50</b>	<b>6.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>	
MW15	Prior to 11/27/90	---	Well installed.			---	---	---	---	---	---	---	---	---	---
MW15	11/27/90	---	13.73	8.67	5.06	No	340	2,700	---	---	210	5.5	600	250	
MW15	01/17/91	---	13.73	8.03	5.70	No	---	---	---	---	---	---	---	---	
MW15	03/26/91	---	13.73	Well inaccessible.			---	---	---	---	---	---	---	---	---
MW15	05/02/91	---	13.73	7.09	6.64	No	<100	380	---	---	<0.5	<0.5	<0.5	1.3	
MW15	06/20/91	---	13.73	7.06	6.67	No	---	---	---	---	---	---	---	---	
MW15	08/07/91	---	13.73	7.59	6.14	No	---	---	---	---	---	---	---	---	

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW15	09/17/91	---	13.73	7.89	5.84	No	---	---	490	---	---	2.9	1.7	33	1.3
MW15	11/13/91	---	13.73	9.07	4.66	No	---	---	---	---	---	---	---	---	---
MW15	12/10/91	---	13.73	8.60	5.13	No	---	300	1,600	---	---	14	1.1	66	9.8
MW15	01/21/92	---	13.73	9.15	4.58	No	---	---	---	---	---	---	---	---	---
MW15	03/25/92	---	13.73	8.10	5.63	No	---	1,400	3,400	---	---	150	13	690	250
MW15	06/22/92	---	13.73	5.80	7.93	No	---	860	6,600	---	---	99	<0.5	670	180
MW15	09/24/92	---	13.73	7.21	6.52	No	---	740	3,600	---	---	120	7	480	47
MW15	10/14/92	---	13.73	7.40	6.33	No	---	---	---	---	---	---	---	---	---
MW15	11/16/92	---	13.73	7.55	6.18	No	---	---	---	---	---	---	---	---	---
MW15	12/08/92	---	13.73	7.42	6.31	No	---	430	1,600	---	---	43	1.6	170	23
MW15	01/27/93	---	13.73	4.37	9.36	No	---	---	---	---	---	---	---	---	---
MW15	02/18/93	---	13.73	4.14	9.59	Sheen	---	---	---	---	---	---	---	---	---
MW15	03/10/93	---	13.73	Well inaccessible.											
MW15	04/06/93	---	13.73	3.16	10.57	Sheen	---	---	---	---	---	---	---	---	---
MW15	05/28/93	---	13.73	4.47	9.26	No	---	---	---	---	---	---	---	---	---
MW15	06/10/93	---	13.73	4.59	9.14	No	---	---	---	---	---	---	---	---	---
MW15	07/17/93	---	13.73	5.51	8.22	No	---	---	---	---	---	---	---	---	---
MW15	08/11/93	---	13.73	6.13	7.60	Sheen	---	710/300q	4,800	---	---	49/70o	<2.5/<5o	410/640o	34/26o
MW15	09/01/93	---	13.73	6.45	7.28	Sheen	---	---	---	---	---	---	---	---	---
MW15	10/26/93	---	13.73	7.16	6.57	No	---	970	3,400	---	---	79	<2.5	115	32
MW15	11/12/93	---	13.73	7.82	5.91	No	---	---	---	---	---	---	---	---	---
MW15	12/27/93	---	13.73	7.50	6.23	No	---	---	---	---	---	---	---	---	---
MW15	01/20/94	---	13.73	7.48	6.25	No	---	---	---	---	---	---	---	---	---
MW15	02/02/94 - 02/03/94	---	13.73	7.30	6.43	No	---	1,200	4,300	---	---	24	6.7	170	26
MW15	03/10/94	---	13.73	7.32	6.41	No	---	---	---	---	---	---	---	---	---
MW15	04/22/94	---	13.73	6.67	7.06	No	---	---	---	---	---	---	---	---	---
MW15	05/10/94 - 05/11/94	---	13.73	5.81	7.92	No	---	1,400	3,900	---	---	16	<0.5	150	13
MW15	06/27/94	---	13.73	6.14	7.59	No	---	---	---	---	---	---	---	---	---
MW15	08/31/94	---	13.73	7.20	6.53	No	---	---	---	---	---	---	---	---	---
MW15	09/29/94	---	13.73	7.76	5.97	No	---	420	2,500	---	---	51	15	48	3.6
MW15	10/25/94	---	13.73	8.19	5.54	Sheen	---	---	---	---	---	---	---	---	---
MW15	11/30/94	---	13.73	8.57	5.16	---	---	---	---	---	---	---	---	---	---
MW15	12/27/94	---	13.73	6.49	7.24	No	---	---	---	---	---	---	---	---	---
MW15	02/06/95	---	13.73	4.97	8.76	Sheen	---	---	---	---	---	---	---	---	---
MW15	06/07/95	---	13.73	7.14	6.59	Sheen	---	---	---	---	---	---	---	---	---
MW15	09/18/95	---	13.73	9.00	4.73	Sheen	---	---	---	---	---	---	---	---	---
MW15	11/01/95	---	13.73	10.67	3.06	Sheen	---	---	---	---	---	---	---	---	---
MW15	02/14/96	---	13.73	7.27	6.46	Sheen	---	---	---	---	---	---	---	---	---
MW15	06/19/96	---	13.73	6.65	7.08	Sheen	---	---	---	---	---	---	---	---	---
MW15	09/24/96	---	13.73	9.45	4.28	Sheen	---	---	---	---	---	---	---	---	---
MW15	12/11/96	---	13.73	7.77	5.96	Sheen	---	---	---	---	---	---	---	---	---
MW15	03/19/97	---	13.73	8.15	5.58	Sheen	---	---	---	---	---	---	---	---	---



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW15	06/04/97	---	13.73	8.62	5.11	Sheen	---	---	---	---	---	---	---	---	---
MW15	09/02/97	---	13.73	9.04	4.69	No	---	480	1,100	23	---	19	<2.0	11	4.9
MW15	12/02/97	---	13.73	8.43	5.30	No	---	600	1,700	58	---	20	<5.0	11	<5.0
MW15	03/24/98	---	13.73	6.35	7.38	No	---	450	2,100	<100	---	570	<20	<20	<20
MW15	06/23/98	---	13.73	7.79	5.94	No	---	570	2,300	<25	---	440	<5.0	30	<5.0
MW15	09/29/98	---	13.73	Well inaccessible.			---	---	---	---	---	---	---	---	---
MW15	12/30/98	---	13.73	8.42	5.31	No	---	510	900	14	---	6.2	1.5	5.8	3.4
MW15	03/24/99	---	13.73	4.69	9.04	No	---	346	1,480	12.7	---	181	1.15	29.8	<1.0
MW15	06/22/99	---	13.73	5.42	8.31	No	---	558	864	6.49	---	12.7	<0.5	3.28	1.38
MW15	09/29/99	---	13.73	7.08	6.65	No	---	306f	316	<5.0	---	1.44	7.51	1.60	3.21
MW15	12/21/99	---	13.73	7.51	6.22	No	---	300	1,500	21	---	21	1.6	0.67	5.9
MW15	03/21/00	---	13.73	3.61	10.12	No	---	220	680	<2	---	10	<0.5	<0.5	4.5
MW15	12/21/00	---	Well destroyed.			---	---	---	---	---	---	---	---	---	---
MW16A	08/24/09	---	---	Well installed.			---	---	---	---	---	---	---	---	---
MW16A	09/11/09	---	13.02	Well surveyed in accordance with AB 2886 standards.			---	---	---	---	---	---	---	---	---
MW16A	10/01/09	---	13.02	6.72	6.30	No	---	1,000g	5,300g	---	12	96	5.9	45	20
MW16A	03/04/10	---	13.02	3.97	9.05	No	---	1,000g	3,000g	---	9.9	34	2.6	6.9	5.9
MW16A	05/06/10	---	13.02	4.20	8.82	No	---	1,000g	4,500g	---	7.7	31	2.7	8.9	7.2
MW16A	08/06/10	---	13.02	5.92	7.10	No	---	550g	2,900g	---	5.5	48	2.1	11	3.4
MW16A	11/02/10	---	13.02	6.64	6.38	No	---	610g	3,100g	---	4.3	63	<0.50	7.2	4.0
MW16A	04/21/11	---	13.02	6.89	6.13	No	---	---	---	---	---	---	---	---	---
MW16A	04/22/11	---	13.02	---	---	---	---	170g	2,100g	---	<0.50	13	2.5	6.3	<1.0
MW16A	10/18/11	---	13.02	7.32	5.70	No	---	---	---	---	---	---	---	---	---
MW16A	10/19/11	---	13.02	---	---	---	---	320g	3,300g	---	2.8	32	<0.50	12	<1.0
MW16A	04/25/12	---	13.02	4.62	8.40	No	---	340g	1,800g	---	<0.50	19	<0.50	<0.50	<1.0
<b>MW16A</b>	<b>10/04/12</b>	---	<b>13.02</b>	<b>7.03</b>	<b>5.99</b>	<b>No</b>	---	<b>240g</b>	<b>2,400g</b>	---	<b>&lt;0.50</b>	<b>28</b>	<b>&lt;0.50</b>	<b>5.2</b>	<b>&lt;1.0</b>
MW16B	08/24/09	---	---	Well installed.			---	---	---	---	---	---	---	---	---
MW16B	09/11/09	---	13.19	Well surveyed in accordance with AB 2886 standards.			---	---	---	---	---	---	---	---	---
MW16B	10/01/09	---	13.19	9.02	4.17	No	---	<50	180g	---	210	<0.50	<0.50	<0.50	<1.0
MW16B	03/04/10	---	13.19	7.21	5.98	No	---	<50	160g	---	210	<0.50	<0.50	<0.50	<1.0
MW16B	05/06/10	---	13.19	6.39	6.80	No	---	65g	120g	---	210	<0.50	<0.50	<0.50	<1.0
MW16B	08/06/10	---	13.19	7.23	5.96	No	---	<50	160g	---	170	<0.50	<0.50	<0.50	<1.0
MW16B	11/02/10	---	13.19	8.25	4.94	No	---	<50	160g	---	170	<0.50	<0.50	<0.50	<1.0
MW16B	04/21/11	---	13.19	10.91	2.28	0.04	---	---	---	---	---	---	---	---	---
MW16B	04/22/11	---	13.19	---	---	---	---	<50	130g	---	180	<0.50	<0.50	<0.50	<1.0
MW16B	10/18/11	---	13.19	10.71	2.48	No	---	---	---	---	---	---	---	---	---
MW16B	10/19/11	---	13.19	---	---	---	---	<50	67g	---	90	<0.50	<0.50	<0.50	<1.0
MW16B	04/25/12	---	13.19	7.74	5.45	No	---	<50	86g	---	110	<0.50	<0.50	<0.50	<1.0
<b>MW16B</b>	<b>10/04/12</b>	---	<b>13.19</b>	<b>9.64</b>	<b>3.55</b>	<b>No</b>	---	<b>&lt;50</b>	<b>59g</b>	---	<b>73</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>
MW17A	08/25/09	---	---	Well installed.			---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW17A	09/11/09	---	13.99	Well surveyed in accordance with AB 2886 standards.										
MW17A	10/01/09	---	13.99	7.44	6.55	No	370g	2,200g	---	3.7	<0.50	<0.50	3.7	3.9
MW17A	03/04/10	---	13.99	4.73	9.26	No	310g	1,600g	---	1.7	<0.50	1.9	7.2	4.3
MW17A	05/06/10	---	13.99	4.89	9.10	No	260g	1,400g	---	<0.50	<0.50	1.2	6.2	3.0
MW17A	08/06/10	---	13.99	6.51	7.48	No	130g	1,600g	---	1.4	<0.50	<0.50	4.6	<1.0
MW17A	11/02/10	---	13.99	7.18	6.81	No	320g	1,900g	---	1.4	<0.50	<0.50	6.0	1.2
MW17A	04/21/11	---	13.99	7.04	6.95	No	---	---	---	---	---	---	---	---
MW17A	04/22/11	---	13.99	---	---	---	150g	1,300g	---	<0.50	6.5	<0.50	3.5	<1.0
MW17A	10/18/11	---	13.99	7.51	6.48	No	<50	77g	---	0.85	<0.50	<0.50	<0.50	<1.0
MW17A	04/25/12	---	13.99	4.67	9.32	No	190g	990g	---	<0.50	3.2	<0.50	2.0	<1.0
<b>MW17A</b>	<b>10/04/12</b>	---	<b>13.99</b>	<b>6.75</b>	<b>7.24</b>	<b>No</b>	<b>95g</b>	<b>430</b>	---	<b>&lt;0.50</b>	<b>5.1</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>
MW17B	08/25/09	---	---	Well Installed.										
MW17B	09/11/09	---	13.92	Well surveyed in accordance with AB2886 standards.										
MW17B	10/01/09	---	13.92	8.83	5.09	No	<50	450g	---	560	<0.50	<0.50	<0.50	<1.0
MW17B	03/04/10	---	13.92	6.15	7.77	No	<50	490g	---	340	<0.50	<0.50	<0.50	<1.0
MW17B	05/06/10	---	13.92	6.48	7.44	No	<50	270g	---	530	<0.50	<0.50	<0.50	<1.0
MW17B	08/06/10	---	13.92	7.81	6.11	No	<50	380g	---	510	<0.50	<0.50	<0.50	<1.0
MW17B	11/02/10	---	13.92	8.78	5.14	No	<50	390g	---	470	<0.50	<0.50	<0.50	<1.0
MW17B	04/21/11	---	13.92	9.42	4.50	No	---	---	---	---	---	---	---	---
MW17B	04/22/11	---	13.92	---	---	---	60	220g	---	290	<0.50	<0.50	<0.50	<1.0
MW17B	10/18/11	---	13.92	10.01	3.91	No	<50	300g	---	390	<0.50	<0.50	<0.50	<1.0
MW17B	04/25/12	---	13.92	8.39	5.53	No	<50	190g	---	230	<0.50	<0.50	<0.50	<1.0
<b>MW17B</b>	<b>10/04/12</b>	---	<b>13.92</b>	<b>10.24</b>	<b>3.68</b>	<b>No</b>	<b>&lt;50</b>	<b>310g</b>	---	<b>400</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>1.8t</b>
MW18A	08/26/09	---	---	Well installed.										
MW18A	09/11/09	---	13.55	Well surveyed in accordance with AB 2886 standards.										
MW18A	10/01/09	---	13.55	5.16	8.39	No	150	150g	---	93	<0.50	<0.50	<0.50	<1.0
MW18A	03/04/10	---	13.55	3.97	9.58	No	130	<50	---	34	<0.50	<0.50	<0.50	<1.0
MW18A	05/06/10	---	13.55	3.68	9.87	No	140	55g	---	35	<0.50	<0.50	<0.50	<1.0
MW18A	08/06/10	---	13.55	4.40	9.15	No	110	110g	---	21	<0.50	<0.50	<0.50	<1.0
MW18A	11/02/10	---	13.55	6.05	7.50	No	140	86g	---	11	<0.50	<0.50	<0.50	<1.0
MW18A	04/21/11	---	13.55	4.47	9.08	No	150	<50	---	9.8	<0.50	<0.50	<0.50	<1.0
MW18A	10/18/11	---	13.55	4.53	9.02	No	60	<50	---	1.7	<0.50	<0.50	<0.50	<1.0
MW18A	04/25/12	---	13.55	3.51	10.04	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<1.0
<b>MW18A</b>	<b>10/04/12</b>	---	<b>13.55</b>	<b>5.39</b>	<b>8.16</b>	<b>No</b>	<b>110g</b>	<b>&lt;50</b>	---	<b>0.97</b>	<b>&lt;0.50</b>	<b>3.8</b>	<b>&lt;0.50</b>	<b>2.5</b>
MW18B	08/25/09	---	---	Well installed.										
MW18B	09/11/09	---	13.21	Well surveyed in accordance with AB 2886 standards.										
MW18B	10/01/09	---	13.21	7.19	6.02	No	<50	62	---	0.68	<0.50	<0.50	<0.50	<1.0
MW18B	03/04/10	---	13.21	4.97	8.24	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW18B	05/06/10	---	13.21	4.68	8.53	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<1.0
MW18B	08/06/10	---	13.21	6.29	6.92	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<1.0

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW18B	11/02/10	---	13.21	7.37	5.84	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW18B	04/21/11	---	13.21	5.69	7.52	No	<50	<50	---	<0.50	<0.50	<0.50	0.60t	<0.50	<1.0
MW18B	10/18/11	---	13.21	6.45	6.76	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW18B	04/25/12	---	13.21	4.66	8.55	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	3.8
<b>MW18B</b>	<b>10/04/12</b>	---	<b>13.21</b>	<b>7.19</b>	<b>6.02</b>	<b>No</b>	<b>&lt;50</b>	<b>85</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>6.6</b>	<b>34</b>	<b>2.4</b>	<b>6.6</b>
MW19A	08/26/09	---	---	Well installed.											
MW19A	09/11/09	---	15.05	Well surveyed in accordance with AB 2886 standards.											
MW19A	10/01/09	---	15.05	7.61	7.44	No	490g	2,700g	---	<0.50	<0.50	<0.50	<0.50	44	62
MW19A	03/04/10	---	15.05	4.30	10.75	No	520g	2,300g	---	<0.50	<0.50	<0.50	<0.50	30	32
MW19A	05/06/10	---	15.05	4.77	10.28	No	530g	2,100	---	<0.50	5.3	1.3	<0.50	25	28
MW19A	08/06/10	---	15.05	6.13	8.92	No	410g	1,800g	---	<0.50	<0.50	<0.50	<0.50	9.8	14
MW19A	11/02/10	---	15.05	7.25	7.80	No	420g	2,200g	---	<0.50	<0.50	<0.50	<0.50	9.8	12
MW19A	04/21/11	---	15.05	6.18	8.87	No	240g	1,900	---	<0.50	<0.50	<0.50	<0.50	3.6	6.9
MW19A	10/18/11	---	15.05	6.41	8.64	No	260g	560g	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19A	04/25/12	---	15.05	4.23	10.82	No	420g	2,000g	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
<b>MW19A</b>	<b>10/04/12</b>	---	<b>15.05</b>	<b>6.22</b>	<b>8.83</b>	<b>No</b>	<b>450</b>	<b>2,000g</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>12</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>
MW19B	08/26/09	---	---	Well installed.											
MW19B	09/11/09	---	15.05	Well surveyed in accordance with AB 2886 standards.											
MW19B	10/01/09	---	15.05	8.66	6.39	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19B	03/04/10	---	15.05	5.11	9.94	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19B	05/06/10	---	15.05	5.07	9.98	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19B	08/06/10	---	15.05	6.42	8.63	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19B	11/02/10	---	15.05	7.58	7.47	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19B	04/21/11	---	15.05	6.07	8.98	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19B	10/18/11	---	15.05	6.81	8.24	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
MW19B	04/25/12	---	15.05	4.78	10.27	No	<50	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
<b>MW19B</b>	<b>10/04/12</b>	---	<b>15.05</b>	<b>6.75</b>	<b>8.30</b>	<b>No</b>	<b>&lt;50</b>	<b>&lt;50</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;1.0</b>
VW1	Prior to 02/18/93	---	Well installed.												
VW1	02/18/93	---	14.01	4.52	9.49	No	---	---	---	---	---	---	---	---	---
VW1	03/10/93	---	14.01	5.25	8.76	No	---	---	---	---	---	---	---	---	---
VW1	04/06/93	---	14.01	5.06	8.95	No	---	---	---	---	---	---	---	---	---
VW1	05/28/93	---	14.01	5.52	8.49	No	---	---	---	---	---	---	---	---	---
VW1	06/10/93	---	14.01	6.23	7.78	No	---	---	---	---	---	---	---	---	---
VW1	08/11/93	---	14.01	Well dry.											
VW1	09/01/93	---	14.01	Well dry.											
VW1	10/26/93	---	14.01	Well dry.											
VW1	11/12/93	---	14.01	Well dry.											
VW1	12/27/93	---	14.01	---	---	---	---	---	---	---	---	---	---	---	---
VW1	01/20/94	---	14.01	Well dry.											
VW1	02/02/94 - 02/03/94	---	14.01	5.58	8.43	No	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
VW1	03/10/94	---	14.01	6.19	7.82	No	---	---	---	---	---	---	---	---	---
VW1	04/22/94	---	14.01	5.96	8.05	No	---	---	---	---	---	---	---	---	---
VW1	05/10/94 - 05/11/94	---	14.01	5.66	8.35	No	---	---	---	---	---	---	---	---	---
VW1	06/27/94	---	14.01	5.99	8.02	No	---	---	---	---	---	---	---	---	---
VW2	Prior to 02/18/93	---	Well installed.												
VW2	02/18/93	---	14.09	4.41	9.68	No	---	---	---	---	---	---	---	---	---
VW2	03/10/93	---	14.09	5.17	8.92	No	---	---	---	---	---	---	---	---	---
VW2	04/06/93	---	14.09	5.04	9.05	No	---	---	---	---	---	---	---	---	---
VW2	05/28/93	---	14.09	5.46	8.63	No	---	---	---	---	---	---	---	---	---
VW2	06/10/93	---	14.09	5.60	8.49	No	---	---	---	---	---	---	---	---	---
VW2	07/17/93	---	14.09	6.38	7.71	No	---	---	---	---	---	---	---	---	---
VW2	08/11/93	---	14.09	7.90	6.19	No	---	---	---	---	---	---	---	---	---
VW2	09/01/93	---	14.09	7.31	6.79	0.01	---	---	---	---	---	---	---	---	---
VW2	10/26/93	---	14.09	Well dry.											
VW2	11/12/93	---	14.09	Well dry.											
VW2	12/27/93	---	14.09	Well dry.											
VW2	01/20/94	---	14.09	7.75	6.34	No	---	---	---	---	---	---	---	---	---
VW2	02/02/94 - 02/03/94	---	14.09	Well dry.											
VW2	03/10/94	---	14.09	6.85	7.24	No	---	---	---	---	---	---	---	---	---
VW2	04/22/94	---	14.09	7.30	6.79	No	---	---	---	---	---	---	---	---	---
VW2	05/10/94 - 05/11/94	---	14.09	7.20	6.89	No	---	---	---	---	---	---	---	---	---
VW2	06/27/94	---	14.09	7.29	6.80	No	---	---	---	---	---	---	---	---	---
VW3	Prior to 02/18/93	---	Well installed.												
VW3	02/18/93	---	13.37	4.62	8.69	No	---	---	---	---	---	---	---	---	---
VW3	03/10/93	---	13.37	4.41	8.90	No	---	---	---	---	---	---	---	---	---
VW3	04/06/93	---	13.37	4.10	9.21	No	---	---	---	---	---	---	---	---	---
VW3	05/28/93	---	13.37	4.98	8.33	No	---	---	---	---	---	---	---	---	---
VW3	06/10/93	---	13.37	4.98	8.33	No	---	---	---	---	---	---	---	---	---
VW3	07/17/93	---	13.37	5.57	7.74	No	---	---	---	---	---	---	---	---	---
VW3	08/11/93	---	13.37	7.69	5.62	No	---	---	---	---	---	---	---	---	---
VW3	09/01/93	---	13.37	6.78	6.54	0.01	---	---	---	---	---	---	---	---	---
VW3	10/26/93	---	13.37	Well dry.											
VW3	11/12/93	---	13.37	Well dry.											
VW3	12/27/93	---	13.37	7.24	6.13	No	---	---	---	---	---	---	---	---	---
VW3	01/20/94	---	13.37	7.49	5.88	No	---	---	---	---	---	---	---	---	---
VW3	02/02/94 - 02/03/94	---	13.37	7.15	6.22	No	---	---	---	---	---	---	---	---	---
VW3	03/10/94	---	13.37	6.21	7.16	No	---	---	---	---	---	---	---	---	---
VW3	04/22/94	---	13.37	6.34	7.03	No	---	---	---	---	---	---	---	---	---
VW3	05/10/94 - 05/11/94	---	13.37	5.92	7.45	No	---	---	---	---	---	---	---	---	---
VW3	06/27/94	---	13.37	6.66	6.71	No	---	---	---	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
<b>Grab Groundwater Samples</b>															
<u>CPT Borings</u>															
W-18-CPT1	04/12/05	18	---	---	---	---	---	187g	<50.0	---	1.00	<0.50	<0.5	<0.5	<0.5
W-10-CPT2	04/13/05	10	---	---	---	---	---	---	1,060,000	---	85.0	1,380	1,280	400	4,340
W-26-CPT2	04/13/05	26	---	---	---	---	---	283g	240	---	299	<0.50	<0.5	<0.5	<0.5
W-10-CPT3	04/13/05	10	---	---	---	---	---	76,800	358	---	107	<0.50	<0.5	<0.5	1.1
W-29-CPT3	04/13/05	29	---	---	---	---	---	450g	1,240	---	1.80	<0.50	<0.5	<0.5	<0.5
W-10-CPT4	04/12/05	10	---	---	---	---	---	15,700g	10,600	---	129	233	17.0	557	83.0
W-24-CPT4	04/12/05	24	---	---	---	---	---	377g	171	---	48.3	0.50	<0.5	2.5	2.9
W-10-CPT5	04/12/05	10	---	---	---	---	---	5,520g	2,200	---	<0.50	13.2	2.5	5.7	2.2
W-30-CPT6	04/11/05	30	---	---	---	---	---	---	177	---	<0.50	<0.50	<0.5	<0.5	<0.5
W-30-CPT6	04/12/05	30	---	---	---	---	---	473g	---	---	---	---	---	---	---
<u>Direct-Push Borings</u>															
W-12-DP1	04/14/05	12	---	---	---	---	---	23,000g	30,000	---	146	1,700	250	770	4,980
W-12-DP3	04/14/05	12	---	---	---	---	---	11,100g	2,200	---	<0.50	12.6	5.7	2.3	13.8
W-12-DP4	04/14/05	12	---	---	---	---	---	20,200g	42,400	---	13.4	7,000	260	4,760	1,720
W-12-DP5	04/14/05	12	---	---	---	---	---	182,000	32,100	---	18.7	2,890	96.0	336	186
W-12-DP6	04/14/05	12	---	---	---	---	---	338g	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
W-30-DP9	12/15/06	30	---	---	---	---	---	430g	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50
<u>Hydropunch® Borings</u>															
W-13-HP7	12/12/06	13	---	---	---	---	---	570g	<50	---	1.1	11	<0.50	<0.50	<0.50
W-30-HP11	12/13/06	30	---	---	---	---	---	<50	<50	---	3.9	<0.50	<0.50	<0.50	<0.50
W-13.5-HP1	12/13/06	13.5	---	---	---	---	---	<62	<50	---	1.6	<0.50	<0.50	<0.50	<0.50
W-31-HP12	12/13/06	31	---	---	---	---	---	<55	<50	---	17	<0.50	<0.50	<0.50	<0.50

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

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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. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
NAPL	=	Non-aqueous phase liquid.
[ ]	=	Amount recovered in cups.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
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.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
EHCss	=	Extractable hydrocarbons as Stoddard Solvent analyzed using EPA Method 8015.
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.
TPH Carbon Range	=	Total petroleum hydrocarbon range analyzed using EPA Method 8015B(M).
µg/L	=	Micrograms per liter.
mg/kg	=	Milligrams per kilogram.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	A peak eluting earlier than benzene, suspected to be MTBE, was present.
b	=	Sample containers broken in transit.
c	=	Chromatogram pattern: unidentified hydrocarbons C6 - C12.
d	=	Chromatogram pattern: weathered gasoline C6 - C12.
e	=	Chromatogram pattern: weathered diesel C9 - C24 and unidentified hydrocarbons C9 - C36.
f	=	Chromatogram pattern: unidentified hydrocarbons C9 - C24.
g	=	Hydrocarbon pattern is not consistent with that of the specified standard.
h	=	Analysis run. Results not available.
i	=	TPHd note: Analyst notes samples resemble paint thinner more than Stoddard Solvent.
j	=	Analyte detected in trip blank, method blank, and/or bailer blank; result is suspect.
k	=	Higher reported TPH concentrations in groundwater may be due to different laboratory quantitation procedures.
l	=	Elevated result due to single analyte peak in quantitation range.
m	=	Surrogate recovery above control limits; this may result in a high bias.
n	=	Laboratory QA/QC issue(s); ERI considers the result to be usable. Please refer to laboratory report for details.
o	=	Analyzed using EPA Method 624 (volatile organic compounds).
p	=	Analyzed for Stoddard Solvent using EPA Method 5030/8015.

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**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

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Notes:

- q = Analyzed for Stoddard Solvent using modified EPA Method 5030/8015. Sample chromatogram was not representative of a Stoddard Solvent pattern. Pattern was representative of the heavier hydrocarbons found in a gasoline pattern.
- r = Stoddard Solution detected in the sample at approximately 320 parts per billion (ppb).
- s = Chloromethane.
- t = Analyte presence was not confirmed by second column or GC/MS analysis.
- u = Product detected in well; therefore, groundwater samples were not collected.
- v = Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
<b>Monitoring Well Samples</b>												
MW1	Prior to 04/25/89	---	Well installed.									
MW1	05/01/88 - 03/11/03	---	Not analyzed for these analytes.									
MW1	06/19/96	---	---	---	---	---	---	---	---	---	<50	---
MW1	03/26/04	---	<0.50	1.60	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW1	11/02/04	---	<0.50	1.80	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW1	02/04/05	---	<0.50	1.90	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW1	05/02/05	---	<0.50	2.10	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW1	08/01/05	---	<0.50	2.00	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW1	10/25/05	---	<0.500	1.61	<0.500	22.6	<0.500	<0.500	---	---	---	---
MW1	01/24/06	---	<2.5	<2.5	<2.5	<100	<2.5	<2.5	<500	---	---	---
MW1	04/28/06	---	<0.50	1.6	<0.50	5.0n	<0.50	<0.50	---	---	---	---
MW1	08/04/06	---	<0.500	1.63	<0.500	<10.0	<0.500	<0.500	---	---	---	---
MW1	10/06/06	---	<0.50	2.3	<0.50	<5.0	<0.50	<0.50	---	---	---	---
MW1	01/12/07	---	Well inaccessible.									
MW1	03/26/07	---	Well destroyed.									
MW2	09/10/87	---	Well installed.									
MW2	09/11/87 - 03/27/04	---	Not analyzed for these analytes.									
MW2	03/27/04	---	<0.50	<0.50	2.90	<10.0	<0.50	<0.50	---	---	---	---
MW2	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW2	02/04/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW2	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW2	08/01/05	---	<0.50	2.00	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW2	10/25/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---	---
MW2	01/24/06	---	<0.50	<0.50	<0.50	20	<0.50	<0.50	<100	---	---	---
MW2	04/28/06	---	<0.50	<0.50	<0.50	<5.0n	<0.50	<0.50	<100	---	---	---
MW2	08/04/06	---	<0.500	1.34	<0.500	<10.0	<0.500	<0.500	<50.0	---	---	---
MW2	10/06/06	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---	---
MW2	01/12/07	---	<0.50	<0.50	<0.50	23	<0.50	<0.50	<100	---	---	---
MW2	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	---	---	---
MW2	08/06/07	---	<0.50	<0.50	<0.50	14	<0.50	1.3	<100	---	---	---
MW2	11/15/07	---	<0.50	<0.50	<0.50	17	<0.50	1.1	<100	---	---	---
MW2	01/02/08	---	<0.50	<0.50	0.85	36	<0.50	<0.50	<100	---	---	---
MW2	04/03/08	---	<0.50	<0.50	<0.50	24	<0.50	<0.50	<100	---	---	---
MW2	07/09/08	---	<0.50	<0.50	<0.50	<10	<0.50	1.2	<100	---	---	---
MW2	10/01/08	---	Well covered by asphalt.									
MW2	01/07/09	---	Well covered by asphalt.									
MW2	01/16/09	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
MW2	04/24/09	---	<0.50	<0.50	<0.50	15	<0.50	<0.50	<50	---	---	---
MW2	07/01/09	---	<0.50	<0.50	<0.50	11	<0.50	<0.50	<50	---	---	---
MW2	10/01/09	---	---	---	---	---	---	---	---	---	---	---



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
MW2	03/04/10	---	---	---	---	---	---	---	---	---	---	---
MW2	05/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW2	08/06/10	---	---	---	---	---	---	---	---	---	---	---
MW2	11/02/10	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50	---	---	---
MW2	04/21/11	---	<0.50	<0.50	<0.50	6.1	<0.50	<0.50	<50	---	---	---
MW2	10/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW2	04/25/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
<b>MW2</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW3	09/10/87	---	Well installed.									
MW3	09/11/87 - 03/26/04	---	Not analyzed for these analytes.									
MW3	03/26/04	---	<0.50	<0.50	2.60	<10.0	<0.50	0.60	---	---	---	---
MW3	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.60	---	---	---	---
MW3	02/04/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW3	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW3	08/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW3	10/25/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---	---
MW3	01/24/06	---	<1.0	<1.0	<1.0	<40	<1.0	<1.0	<200	---	---	---
MW3	04/28/06	---	<0.50	<0.50	<0.50	7.8n	<0.50	<0.50	---	---	---	---
MW3	08/04/06	---	<0.500	1.45	<0.500	<10.0	<0.500	<0.500	---	---	---	---
MW3	10/06/06	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---
MW3	01/12/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---	---
MW3	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---	---
MW3	08/06/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW3	11/15/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---	---	---	---
MW3	01/02/08	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	---	---	---	---
MW3	04/03/08	---	<0.50	<0.50	<0.50	23	<0.50	<0.50	---	---	---	---
MW3	07/09/08	---	<0.50	<0.50	<0.50	10	<0.50	<0.50	---	---	---	---
MW3	10/01/08	---	<0.50	<0.50	<0.50	9.7	<0.50	<0.50	<50	---	---	---
MW3	01/07/09	---	<0.50	<0.50	<0.50	10	<0.50	<0.50	<50	---	---	---
MW3	01/16/09	---	---	---	---	---	---	---	---	---	---	---
MW3	04/24/09	---	<0.50	<0.50	<0.50	16	<0.50	0.52	<50	---	---	---
MW3	07/01/09	---	<0.50	<0.50	<0.50	9.7	<0.50	<0.50	<50	---	---	---
MW3	10/01/09	---	---	---	---	---	---	---	---	---	---	---
MW3	03/04/10	---	---	---	---	---	---	---	---	---	---	---
MW3	05/06/10	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50	---	---	---
MW3	08/06/10	---	---	---	---	---	---	---	---	---	---	---
MW3	11/02/10	---	<0.50	<0.50	<0.50	16	<0.50	<0.50	<50	---	---	---
MW3	04/22/11	---	<0.50	<0.50	<0.50	13	<0.50	<0.50	<50	---	---	---
MW3	10/18/11 u	---	---	---	---	---	---	---	---	---	---	---
MW3	04/25/12	---	<0.50	<0.50	<0.50	12	<0.50	<0.50	<50	---	---	---
<b>MW3</b>	<b>10/04/12</b>	---	<b>&lt;50</b>	<b>&lt;50</b>	<b>&lt;50</b>	<b>&lt;500</b>	<b>&lt;50</b>	<b>&lt;50</b>	<b>&lt;5,000</b>	---	---	---
MW4	09/10/87	---	Well installed.									

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
MW4	09/10/87 - 03/26/04	---	Not analyzed for these analytes.									
MW4	03/30/01	---	Well covered by asphalt.									
MW4	04/25/12	---	Well covered by asphalt.									
MW5	Prior to September 1987	---	Well installed.									
MW5	09/01/87 - 04/25/89	---	Not analyzed for these analytes.									
MW5	07/18/89	---	Well destroyed.									
MW6	09/10/87	---	Well installed.									
MW6	05/01/89 - 03/26/04	---	Not analyzed for these analytes.									
MW6	03/26/04	---	<0.50	34.0	<0.50	11.7	<0.50	<0.50	---	---	---	---
MW6	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW6	02/04/05	---	<0.50	<0.50	<0.50	54.3	<0.50	<0.50	---	---	---	---
MW6	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW6	08/01/05	---	<0.50	15.3	<0.50	29.2	<0.50	<0.50	<100	---	---	---
MW6	10/25/05	---	<0.500	<0.500	<0.500	20.6	<0.500	<0.500	---	---	---	---
MW6	01/24/06	---	<5.0	<5.0	<5.0	<200	<5.0	<5.0	<1,000	---	---	---
MW6	04/28/06	---	<0.50	<0.50	12	41n	<0.50	<0.50	<100	---	---	---
MW6	08/04/06	---	0.940	8.28	<0.500	<10.0	<0.500	<0.500	<50.0	---	---	---
MW6	10/06/06	---	<0.50	<0.50	<0.50	14	<0.50	<0.50	<100	---	---	---
MW6	01/12/07	---	<0.50	<0.50	<0.50	11	<0.50	<0.50	<100	---	---	---
MW6	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	---	---	---
MW6	08/06/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW6	11/15/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW6	01/02/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW6	04/03/08	---	<0.50	<0.50	<0.50	11	<0.50	<0.50	<100	---	---	---
MW6	07/09/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW6	10/01/08	---	Well covered by asphalt.									
MW6	01/07/09	---	Well covered by asphalt.									
MW6	01/16/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW6	04/24/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW6	07/01/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW6	10/01/09	---	---	---	---	---	---	---	---	---	---	---
MW6	03/04/10	---	---	---	---	---	---	---	---	---	---	---
MW6	05/06/10	---	<0.50	<0.50	<0.50	5.2	<0.50	<0.50	<50	---	---	---
MW6	08/06/10	---	---	---	---	---	---	---	---	---	---	---
MW6	11/02/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW6	04/21/11	---	<0.50	<0.50	<0.50	5.4	<0.50	<0.50	<50	---	---	---
MW6	10/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW6	04/25/12	---	<0.50	<0.50	<0.50	17v	<0.50	<0.50	<50	---	---	---
<b>MW6</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW7	Prior to September 1987	---	Well installed.									
MW7	Sept 1987	---	---	---	---	---	---	---	---	ND	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
MW7	May 1988	---	---	---	---	---	---	---	---	ND	---	---
MW7	04/25/89 - 09/22/89	---	Not analyzed for these analytes.									
MW7	12/06/89	---	---	---	---	---	---	---	---	ND	---	<5,000
MW7	04/19/90	---	---	---	---	---	---	---	---	ND	---	---
MW7	07/03/90	---	---	---	---	---	---	---	---	ND	---	---
MW7	11/27/90	---	---	---	---	---	---	---	---	2.4s	---	---
MW7	03/26/91	---	---	---	---	---	---	---	---	ND	---	---
MW7	03/10/93	---	---	---	---	---	---	---	---	h	---	<5,000
MW7	08/11/93	---	---	---	---	---	---	---	---	ND	---	---
MW7	02/03/94	---	---	---	---	---	---	---	---	---	---	470p
MW7	03/10/94	---	---	---	---	---	---	---	---	---	---	---
MW7	04/22/94	---	---	---	---	---	---	---	---	---	---	---
MW7	05/10/94 - 05/11/94	---	---	---	---	---	---	---	---	---	---	1,400p
MW7	11/30/94	---	---	---	---	---	---	---	---	---	---	---
MW7	12/27/94	---	---	---	---	---	---	---	---	---	---	---
MW7	02/06/95	---	---	---	---	---	---	---	---	---	1,100	---
MW7	06/07/95	---	---	---	---	---	---	---	---	---	1,000	---
MW7	09/18/95	---	---	---	---	---	---	---	---	---	870	---
MW7	11/01/95	---	---	---	---	---	---	---	---	---	1,400	---
MW7	02/14/96	---	---	---	---	---	---	---	---	---	940	---
MW7	06/19/96	---	---	---	---	---	---	---	---	---	1,000	---
MW7	09/24/96	---	---	---	---	---	---	---	---	---	910	---
MW7	12/11/96	---	---	---	---	---	---	---	---	---	1,100	---
MW7	03/19/97	---	---	---	---	---	---	---	---	---	580	---
MW7	06/04/97	---	---	---	---	---	---	---	---	---	780	---
MW7	09/02/97	---	---	---	---	---	---	---	---	---	740	---
MW7	12/21/00	---	Well destroyed.									
MW8	Prior to September 1987	---	Well installed.									
MW8	09/01/87 - 07/17/93	---	Not analyzed for these analytes.									
MW8	08/11/93	---	---	---	---	---	---	---	---	ND	---	---
MW8	09/01/93 - 03/21/00	---	Not analyzed for these analytes.									
MW8	12/21/00	---	Well destroyed.									
MW9	Prior to May 1988	---	Well installed.									
MW9	May 1988	---	---	---	---	---	---	---	---	ND	---	---
MW9	12/06/89	---	---	---	---	---	---	---	---	ND	---	<5,000
MW9	02/20/90	---	---	---	---	---	---	---	---	ND	---	---
MW9	04/19/90	---	---	---	---	---	---	---	---	ND	---	---
MW9	11/27/90	---	---	---	---	---	---	---	---	ND	---	---
MW9	08/11/93	---	---	---	---	---	---	---	---	ND	---	---
MW9	09/01/93 - 02/14/96	---	Not analyzed for these analytes.									
MW9	06/19/96	---	---	---	---	---	---	---	---	---	<50	---
MW9	09/24/96 - 12/21/00	---	Not analyzed for these analytes.									

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
MW9	12/21/00	---	Well destroyed.									
MW10	Prior to 12/06/08	---	Well installed.									
MW10	04/19/90	---	---	---	---	---	---	---	---	ND	---	---
MW10	08/11/93	---	---	---	---	---	---	---	---	ND	---	---
MW10	09/01/93 - 02/14/96	---	Not analyzed for these analytes.									
MW10	06/19/96	---	---	---	---	---	---	---	---	---	<50	---
MW10	09/24/96 - 12/21/00	---	Not analyzed for these analytes.									
MW10	12/21/00	---	Well destroyed.									
MW11	Prior to 12/06/08	---	Well installed.									
MW11	08/11/93	---	---	---	---	---	---	---	---	ND	---	---
MW11	09/01/93 - 02/14/96	---	Not analyzed for these analytes.									
MW11	06/19/96	---	---	---	---	---	---	---	---	---	<50	---
MW11	09/24/96 - 12/21/00	---	Not analyzed for these analytes.									
MW11	12/21/00	---	Well destroyed.									
MW12	11/27/89	---	Well installed.									
MW12	08/11/93	---	---	---	---	---	---	---	---	ND	---	---
MW12	09/01/93 - 11/02/04	---	Not analyzed for these analytes.									
MW12	03/30/01	---	Well covered by asphalt.									
MW12	04/25/12	---	Well covered by asphalt.									
MW13	Prior to 12/06/08	---	Well installed.									
MW13	08/11/93	---	---	---	---	---	---	---	---	---	---	ND
MW13	09/01/93 - 12/21/00	---	Not analyzed for these analytes.									
MW13	12/21/00	---	Well destroyed.									
MW14	10/31/90	---	Well installed.									
MW14	11/27/90 - 05/10/94	---	Not analyzed for these analytes.									
MW14	05/10/94 - 05/11/94	---	---	---	---	---	---	---	---	---	---	210p
MW14	06/27/94	---	---	---	---	---	---	---	---	---	---	---
MW14	02/06/95	---	---	---	---	---	---	---	---	---	---	400
MW14	06/07/95	---	---	---	---	---	---	---	---	---	450	---
MW14	09/18/95	---	---	---	---	---	---	---	---	---	1,200	---
MW14	11/01/95	---	---	---	---	---	---	---	---	---	1,600	---
MW14	02/14/96	---	---	---	---	---	---	---	---	---	680	---
MW14	06/19/96	---	---	---	---	---	---	---	---	---	670	---
MW14	09/24/96	---	---	---	---	---	---	---	---	---	4,500	---
MW14	12/11/96	---	---	---	---	---	---	---	---	---	750	---
MW14	03/19/97	---	---	---	---	---	---	---	---	---	470	---
MW14	06/04/97	---	---	---	---	---	---	---	---	---	590	---
MW14	09/02/97 - 03/26/04	---	Not analyzed for these analytes.									
MW14	09/02/97	---	---	---	---	---	---	---	---	---	1,300	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
MW14	03/26/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW14	11/02/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW14	02/04/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
MW14	05/02/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW14	08/01/05	---	<0.50	1.90	<0.50	<10.0	<0.50	<0.50	<100	---	---	---
MW14	10/25/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---	---	---	---
MW14	01/24/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---	---
MW14	04/28/06	---	<0.50	<0.50	<0.50	<20n	<0.50	<0.50	<100	---	---	---
MW14	08/04/06	---	<0.500	1.39	<0.500	<10.0	<0.500	<0.500	<50.0	---	---	---
MW14	10/06/06	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---	---
MW14	01/12/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW14	04/09/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	---	---	---
MW14	08/06/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW14	11/15/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW14	01/02/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW14	04/03/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW14	07/09/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100	---	---	---
MW14	10/01/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	01/07/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	01/16/09	---	---	---	---	---	---	---	---	---	---	---
MW14	04/24/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	07/01/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	10/01/09	---	---	---	---	---	---	---	---	---	---	---
MW14	03/04/10	---	---	---	---	---	---	---	---	---	---	---
MW14	05/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	08/06/10	---	---	---	---	---	---	---	---	---	---	---
MW14	11/02/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	04/22/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	10/19/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW14	04/25/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
<b>MW14</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW15	Prior to 11/27/90	---	Well installed.									
MW15	08/11/93	---	---	---	---	---	---	---	---	ND	---	---
MW15	09/01/93 - 12/21/00	---	Not analyzed for these analytes.									
MW15	12/21/00	---	Well destroyed.									
MW16A	10/01/09	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<200	---	---	---
MW16A	03/04/10	---	<0.50	<0.50	<0.50	28	<0.50	<0.50	<50	---	---	---
MW16A	05/06/10	---	<0.50	<0.50	<0.50	19	<0.50	<0.50	<50	---	---	---
MW16A	08/06/10	---	<0.50	<0.50	<0.50	5.6	<0.50	<0.50	<50	---	---	---
MW16A	11/02/10	---	<0.50	0.54	<0.50	5.1	<0.50	<0.50	<50	---	---	---
MW16A	04/22/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW16A	10/19/11	---	<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 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
MW16A	04/25/12	---	<0.50	<0.50	<0.50	22v	<0.50	<0.50	<50	---	---	---
<b>MW16A</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW16B	10/01/09	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<200	---	---	---
MW16B	03/04/10	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
MW16B	05/06/10	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
MW16B	08/06/10	---	<0.50	1.1	<0.50	7.3	<0.50	<0.50	<50	---	---	---
MW16B	11/02/10	---	<0.50	1.0	<0.50	5.3	<0.50	<0.50	<50	---	---	---
MW16B	04/22/11	---	<4.0	<4.0	<4.0	<40	<4.0	<4.0	<400	---	---	---
MW16B	10/19/11	---	<2.5	<2.5	<2.5	<25	<2.5	<2.5	<250	---	---	---
MW16B	04/25/12	---	<2.0	<2.0	<2.0	24	<2.0	<2.0	<200	---	---	---
<b>MW16B</b>	<b>10/04/12</b>	---	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>14</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;100</b>	---	---	---
MW17A	10/01/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW17A	03/04/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW17A	05/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW17A	08/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW17A	11/02/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW17A	04/22/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW17A	10/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW17A	04/25/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
<b>MW17A</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW17B	10/01/09	---	<0.50	1.2	1.2	5.3	<0.50	<0.50	<50	---	---	---
MW17B	03/04/10	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
MW17B	05/06/10	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
MW17B	08/06/10	---	<0.50	1.1	1.2	11	<0.50	<0.50	<50	---	---	---
MW17B	11/02/10	---	<0.50	1.0	1.2	<5.0	<0.50	<0.50	<50	---	---	---
MW17B	04/22/11	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
MW17B	10/18/11	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
MW17B	04/25/12	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500	---	---	---
<b>MW17B</b>	<b>10/04/12</b>	---	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;50</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;500</b>	---	---	---
MW18A	10/01/09	---	<0.50	<0.50	<0.50	20	<0.50	<0.50	<50	---	---	---
MW18A	03/04/10	---	<0.50	<0.50	<0.50	7.0	<0.50	<0.50	<50	---	---	---
MW18A	05/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18A	08/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18A	11/02/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18A	04/21/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18A	10/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18A	04/25/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
<b>MW18A</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW18B	10/01/09	---	<0.50	0.74	<0.50	<5.0	<0.50	<0.50	<50	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
MW18B	03/04/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18B	05/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18B	08/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18B	11/02/10	---	<0.50	<0.50	<0.50	6.0	<0.50	<0.50	<50	---	---	---
MW18B	04/21/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18B	10/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW18B	04/25/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
<b>MW18B</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW19A	10/01/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19A	03/04/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19A	05/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19A	08/06/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19A	11/02/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19A	04/21/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19A	10/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19A	04/25/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
<b>MW19A</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
MW19B	10/01/09	---	<0.50	1.2	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19B	03/04/10	---	<0.50	1.4	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19B	05/06/10	---	<0.50	1.3	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19B	08/06/10	---	<0.50	1.4	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19B	11/02/10	---	<0.50	1.3	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19B	04/21/11	---	<0.50	1.3	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19B	10/18/11	---	<0.50	1.5	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
MW19B	04/25/12	---	<0.50	1.2	<0.50	<5.0	<0.50	<0.50	<50	---	---	---
<b>MW19B</b>	<b>10/04/12</b>	---	<b>&lt;0.50</b>	<b>1.2</b>	<b>&lt;0.50</b>	<b>&lt;5.0</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;50</b>	---	---	---
VW1	Prior to 02/18/93	---	Well installed.									
VW1	02/18/93 - Present	---	Not analyzed for these analytes.									
VW2	Prior to 02/18/93	---	Well installed.									
VW2	02/18/93 - Present	---	Not analyzed for these analytes.									
VW3	Prior to 02/18/93	---	Well installed.									
VW3	03/10/93 - Present	---	Not analyzed for these analytes.									
<b>Grab Groundwater Samples</b>												
<u>CPT Borings</u>												
W-18-CPT1	04/12/05	18	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-10-CPT2	04/13/05	10	<5.00	<5.00	<5.00	<100	<5.00	18.0	---	---	---	---
W-26-CPT2	04/13/05	26	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)	VOCs (µg/L)	EHCss (µg/L)	TOG (µg/L)
W-10-CPT3	04/13/05	10	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-29-CPT3	04/13/05	29	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-10-CPT4	04/12/05	10	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-24-CPT4	04/12/05	24	<0.50	7.60	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-10-CPT5	04/12/05	10	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-30-CPT6	04/11/05	30	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-30-CPT6	04/12/05	30	---	---	---	---	---	---	---	---	---	---
<u>Direct-Push Borings</u>												
W-12-DP1	04/14/05	12	<0.50	<0.50	4.80	138	<0.50	<0.50	---	---	---	---
W-12-DP3	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-12-DP4	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-12-DP5	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	0.60	---	---	---	---
W-12-DP6	04/14/05	12	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---	---	---	---
W-30-DP9	12/15/06	30	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---	---
<u>Hydropunch® Borings</u>												
W-13-HP7	12/12/06	13	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100	---	---	---
W-30-HP11	12/13/06	30	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---	---
W-13.5-HP1	12/13/06	13.5	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100	---	---	---
W-31-HP12	12/13/06	31	<0.50	1.3	<0.50	<20	<0.50	<0.50	<100	---	---	---



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

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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. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
NAPL	=	Non-aqueous phase liquid.
[ ]	=	Amount recovered in cups.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
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.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
EHCss	=	Extractable hydrocarbons as Stoddard Solvent analyzed using EPA Method 8015.
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.
TPH Carbon Range	=	Total petroleum hydrocarbon range analyzed using EPA Method 8015B(M).
µg/L	=	Micrograms per liter.
mg/kg	=	Milligrams per kilogram.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	A peak eluting earlier than benzene, suspected to be MTBE, was present.
b	=	Sample containers broken in transit.
c	=	Chromatogram pattern: unidentified hydrocarbons C6 - C12.
d	=	Chromatogram pattern: weathered gasoline C6 - C12.
e	=	Chromatogram pattern: weathered diesel C9 - C24 and unidentified hydrocarbons C9 - C36.
f	=	Chromatogram pattern: unidentified hydrocarbons C9 - C24.
g	=	Hydrocarbon pattern is not consistent with that of the specified standard.
h	=	Analysis run. Results not available.
i	=	TPHd note: Analyst notes samples resemble paint thinner more than Stoddard Solvent.
j	=	Analyte detected in trip blank, method blank, and/or bailer blank; result is suspect.
k	=	Higher reported TPH concentrations in groundwater may be due to different laboratory quantitation procedures.
l	=	Elevated result due to single analyte peak in quantitation range.
m	=	Surrogate recovery above control limits; this may result in a high bias.
n	=	Laboratory QA/QC issue(s); ERI considers the result to be usable. Please refer to laboratory report for details.
o	=	Analyzed using EPA Method 624 (volatile organic compounds).
p	=	Analyzed for Stoddard Solvent using EPA Method 5030/8015.

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**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

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Notes:

- q = Analyzed for Stoddard Solvent using modified EPA Method 5030/8015. Sample chromatogram was not representative of a Stoddard Solvent pattern. Pattern was representative of the heavier hydrocarbons found in a gasoline pattern.
- r = Stoddard Solution detected in the sample at approximately 320 parts per billion (ppb).
- s = Chloromethane.
- t = Analyte presence was not confirmed by second column or GC/MS analysis.
- u = Product detected in well; therefore, groundwater samples were not collected.
- v = Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

**TABLE 1C**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - CARBON RANGE**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Sample ID	Sampling Date	C6 (mg/kg)	C7 (mg/kg)	C8 (mg/kg)	C9-C10 (mg/kg)	C11-C12 (mg/kg)	C13-C14 (mg/kg)	C15-C16 (mg/kg)	C17-C18 (mg/kg)	C19-C20 (mg/kg)	C21-C22 (mg/kg)	C23-C24 (mg/kg)	C25-C28 (mg/kg)	C29-C32 (mg/kg)	C33-C36 (mg/kg)	C37-C40 (mg/kg)	C41-C44 (mg/kg)	C6-C44 (mg/kg)
<b>Product Samples</b>																		
MW3-OIL	04/27/11	<5,000	<5,000	<5,000	7,500	18,000	25,000	19,000	18,000	9,400	6,100	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	110,000
MW3-OIL	04/25/12	21,000	68,000	56,000	130,000	190,000	210,000	130,000	160,000	76,000	39,000	25,000	12,000	<10,000	<10,000	<10,000	<10,000	1100,000
MW3-OIL	10/04/12	<50,000	<50,000	<50,000	150,000	230,000	260,000	180,000	210,000	99,000	55,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000	1,300,000

**TABLE 1C**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - CARBON RANGE**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

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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. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.8)].
NAPL	=	Non-aqueous phase liquid.
[ ]	=	Amount recovered in cups.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
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.
TOG	=	Total oil and grease analyzed using Standard Method 5520.
EHCss	=	Extractable hydrocarbons as Stoddard Solvent analyzed using EPA Method 8015.
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.
TPH Carbon Range	=	Total petroleum hydrocarbon range analyzed using EPA Method 8015B(M).
µg/L	=	Micrograms per liter.
mg/kg	=	Milligrams per kilogram.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	A peak eluting earlier than benzene, suspected to be MTBE, was present.
b	=	Sample containers broken in transit.
c	=	Chromatogram pattern: unidentified hydrocarbons C6 - C12.
d	=	Chromatogram pattern: weathered gasoline C6 - C12.
e	=	Chromatogram pattern: weathered diesel C9 - C24 and unidentified hydrocarbons C9 - C36.
f	=	Chromatogram pattern: unidentified hydrocarbons C9 - C24.
g	=	Hydrocarbon pattern is not consistent with that of the specified standard.
h	=	Analysis run. Results not available.
i	=	TPHd note: Analyst notes samples resemble paint thinner more than Stoddard Solvent.
j	=	Analyte detected in trip blank, method blank, and/or bailer blank; result is suspect.
k	=	Higher reported TPH concentrations in groundwater may be due to different laboratory quantitation procedures.
l	=	Elevated result due to single analyte peak in quantitation range.
m	=	Surrogate recovery above control limits; this may result in a high bias.
n	=	Laboratory QA/QC issue(s); ERI considers the result to be usable. Please refer to laboratory report for details.
o	=	Analyzed using EPA Method 624 (volatile organic compounds).

**TABLE 1C**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - CARBON RANGE**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

---

Notes:

- p = Analyzed for Stoddard Solvent using EPA Method 5030/8015.
- q = Analyzed for Stoddard Solvent using modified EPA Method 5030/8015. Sample chromatogram was not representative of a Stoddard Solvent pattern. Pattern was representative of the heavier hydrocarbons found in a gasoline pattern.
- r = Stoddard Solution detected in the sample at approximately 320 parts per billion (ppb).
- s = Chloromethane.
- t = Analyte presence was not confirmed by second column or GC/MS analysis.
- u = Product detected in well; therefore, groundwater samples were not collected.
- v = Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Well Installation Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
MW1	Well destroyed on 3/26/07.										
MW2	09/10/87	13.06	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW3	09/10/87	13.71	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW4	09/10/87	12.77	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW5	Well destroyed on 07/18/89.										
MW6	09/10/87	14.23	NS	36.0	35.0	4	NS	10.0-35.0	NS	8-36	NS
MW7	Well destroyed on 12/21/00.										
MW8	Well destroyed on 12/21/00.										
MW9	Well destroyed on 12/21/00.										
MW10	Well destroyed on 12/21/00.										
MW11	Well destroyed on 12/21/00.										
MW12	11/27/89	12.61	10	15.5	15.5	4	PVC	5.0-15.0	0.010	4-15.5	NS
MW13	Well destroyed on 12/21/00.										
MW14	10/31/90	15.14	10	18.5	17.0	4	PVC	7.0-17.0	0.010	5.5-17	NS
MW15	Well destroyed on 12/21/00.										
MW16A	08/24/09	13.02	8	14	12.5	2	PVC	7.5-12.5	0.020	6.5-14	#3 Sand
MW16B	08/24/09	13.19	8	24	24	2	PVC	20-24	0.020	18-24	#3 Sand
MW17A	08/25/09	13.99	8	13	13	2	PVC	8-13	0.020	6.5-13	#3 Sand
MW17B	08/25/09	13.92	8	26	26	2	PVC	22-26	0.020	20-26	#3 Sand
MW18A	08/25/09	13.55	8	14	14	2	PVC	9-14	0.020	7-14	#3 Sand
MW18B	08/25/09	13.21	8	31	31	2	PVC	26-31	0.020	24-31	#3 Sand
MW19A	08/26/09	15.05	8	14	14	2	PVC	9-14	0.020	7-14	#3 Sand
MW19B	08/26/09	15.05	8	26	24	2	PVC	20-24	0.020	18-26	#3 Sand
VW1	Well destroyed.										

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 73006  
720 High Street  
Oakland, California

Well ID	Well Installation Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
VW2	Well destroyed.										
VW3	Well destroyed.										
AS1	Information not available.										
AS2	Information not available.										
AS3	Information not available.										
AS4	Information not available.										
AS5	Information not available.										
AS6	Information not available.										
RW1	April 1994	NS	NS	16.88	NS	6	NS	---	NS	NS	NS
RW2	April 1994	NS	NS	16.82	NS	6	NS	---	NS	NS	NS
RW3	April 1994	NS	NS	16.72	NS	6	NS	---	NS	NS	NS
RW4	April 1994	NS	NS	17.18	NS	6	NS	---	NS	NS	NS
RW5	Well destroyed.										
RW6	Well destroyed.										
RW7	Well destroyed.										

Notes:

- TOC = Top of well casing elevation; datum is mean sea level.
- PVC = Polyvinyl chloride.
- feet bgs = Feet below ground surface.
- = Not measured.

**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
$\pi$	=	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

WORK ORDER NUMBER: 12-10-0516

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Cardno ERI

**Client Project Name:** ExxonMobil 73006/022010C

**Attention:** Rebekah Westrup  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

*Cecile de Guia*

Approved for release on 10/23/2012 by:  
Cecile deGuia  
Project Manager

ResultLink ▶

Email your PM ▶



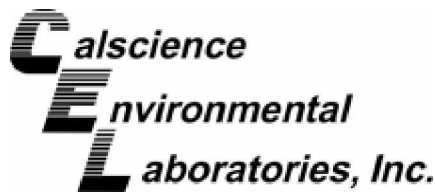
Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.



Client Project Name: ExxonMobil 73006/022010C

Work Order Number: 12-10-0516

1	Client Sample Data . . . . .	3
1.1	EPA 8015B (M) C6-C44 (Solid) . . . . .	3
1.2	EPA 8015B (M) TPH Diesel (Aqueous) . . . . .	4
1.3	EPA 8015B (M) TPH Gasoline (Aqueous) . . . . .	8
1.4	EPA 8021B BTEX (Aqueous) . . . . .	12
1.5	LUFT GC/MS TPPH/ EPA 8260B BTEX (Aqueous) . . . . .	15
1.6	EPA 8260B Volatile Organics (Aqueous) . . . . .	16
2	Quality Control Sample Data . . . . .	21
2.1	MS/MSD and/or Duplicate . . . . .	21
2.2	LCS/LCSD . . . . .	27
3	Glossary of Terms and Qualifiers . . . . .	34
4	Chain of Custody/Sample Receipt Form . . . . .	35



Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 3550B  
Method: EPA 8015B (M)  
Units: mg/kg

Project: ExxonMobil 73006/022010C

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW3-OIL	12-10-0516-15-A	10/04/12 11:15	Oil	GC 45	10/09/12	10/10/12 05:41	121009B13S

Comment(s): -SG A silica gel cleanup procedure was performed.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	50000	10000	U	C21-C22	55000	50000	10000	
C7	ND	50000	10000	U	C23-C24	ND	50000	10000	U
C8	ND	50000	10000	U	C25-C28	ND	50000	10000	U
C9-C10	150000	50000	10000		C29-C32	ND	50000	10000	U
C11-C12	230000	50000	10000		C33-C36	ND	50000	10000	U
C13-C14	260000	50000	10000		C37-C40	ND	50000	10000	U
C15-C16	180000	50000	10000		C41-C44	ND	50000	10000	U
C17-C18	210000	50000	10000		C6-C44 Total	1300000	50000	10000	
C19-C20	99000	50000	10000						

Surrogates: REC (%) Control Limits Qual

n-Octacosane 135 61-145

Method Blank	099-15-490-121	N/A	Solid	GC 45	10/09/12	10/10/12 04:27	121009B13S
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C6	ND	5.0	1	U	C21-C22	ND	5.0	1	U
C7	ND	5.0	1	U	C23-C24	ND	5.0	1	U
C8	ND	5.0	1	U	C25-C28	ND	5.0	1	U
C9-C10	ND	5.0	1	U	C29-C32	ND	5.0	1	U
C11-C12	ND	5.0	1	U	C33-C36	ND	5.0	1	U
C13-C14	ND	5.0	1	U	C37-C40	ND	5.0	1	U
C15-C16	ND	5.0	1	U	C41-C44	ND	5.0	1	U
C17-C18	ND	5.0	1	U	C6-C44 Total	ND	5.0	1	U
C19-C20	ND	5.0	1	U					

Surrogates: REC (%) Control Limits Qual

n-Octacosane 122 61-145

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

**Analytical Report**



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCBB	12-10-0516-1-H	10/04/12 18:00	Aqueous	GC 46	10/08/12	10/10/12 04:45	121008B13

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	98	68-140			

W-13-MW2	12-10-0516-2-H	10/04/12 14:20	Aqueous	GC 46	10/08/12	10/10/12 05:00	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	420	50	1	SG,HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	97	68-140			

W-8-MW3	12-10-0516-3-H	10/04/12 11:15	Aqueous	GC 46	10/08/12	10/10/12 13:27	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	110000	1200	25	SG,HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	83	68-140			

W-12-MW6	12-10-0516-4-H	10/04/12 15:55	Aqueous	GC 46	10/08/12	10/10/12 05:30	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	94	68-140			

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

Return to Contents

**Analytical Report**



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW14	12-10-0516-5-H	10/04/12 15:30	Aqueous	GC 46	10/08/12	10/10/12 05:45	121008B13

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	650	50	1	SG,HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	94	68-140			

W-7-MW16A	12-10-0516-6-H	10/04/12 15:30	Aqueous	GC 46	10/08/12	10/10/12 06:14	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	240	50	1	SG,HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	95	68-140			

W-10-MW16B	12-10-0516-7-H	10/04/12 15:15	Aqueous	GC 46	10/08/12	10/10/12 06:29	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	95	68-140			

W-7-MW17A	12-10-0516-8-H	10/04/12 13:50	Aqueous	GC 46	10/08/12	10/10/12 06:43	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	95	50	1	SG,HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	93	68-140			

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

Return to Contents

**Analytical Report**



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-11-MW17B	12-10-0516-9-H	10/04/12 13:45	Aqueous	GC 46	10/08/12	10/10/12 06:58	121008B13

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	97	68-140			

W-7-MW18A	12-10-0516-10-H	10/04/12 13:00	Aqueous	GC 46	10/08/12	10/10/12 07:13	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	110	50	1	SG,HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	100	68-140			

W-12-MW18B	12-10-0516-11-H	10/04/12 12:25	Aqueous	GC 46	10/08/12	10/10/12 07:27	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	91	68-140			

W-8-MW19A	12-10-0516-12-H	10/04/12 14:30	Aqueous	GC 46	10/08/12	10/10/12 07:42	121008B13
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	450	50	1	SG	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	93	68-140			

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



**Analytical Report**



Cardno ERI  
 601 North McDowell Blvd.  
 Petaluma, CA 94954-2312

Date Received: 10/06/12  
 Work Order No: 12-10-0516  
 Preparation: EPA 3510C  
 Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-7-MW19B</b>	<b>12-10-0516-13-H</b>	<b>10/04/12 14:15</b>	<b>Aqueous</b>	<b>GC 46</b>	<b>10/08/12</b>	<b>10/10/12 07:57</b>	<b>121008B13</b>

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	96	68-140			

<b>Method Blank</b>	<b>099-15-304-116</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 46</b>	<b>10/08/12</b>	<b>10/10/12 02:48</b>	<b>121008B13</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	88	68-140			

Return to Contents

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

**Analytical Report**



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCBB	12-10-0516-1-E	10/04/12 18:00	Aqueous	GC 42	10/09/12	10/09/12 21:04	121009B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	71	38-134			

W-13-MW2	12-10-0516-2-E	10/04/12 14:20	Aqueous	GC 42	10/09/12	10/09/12 21:40	121009B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	650	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	101	38-134			

W-8-MW3	12-10-0516-3-E	10/04/12 11:15	Aqueous	GC 42	10/09/12	10/09/12 22:16	121009B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	5400000	100000	2000	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	124	38-134			

W-12-MW6	12-10-0516-4-E	10/04/12 15:55	Aqueous	GC 42	10/09/12	10/09/12 23:28	121009B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	93	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	73	38-134			

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

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**Analytical Report**



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW14	12-10-0516-5-C	10/04/12 15:30	Aqueous	GC 42	10/09/12	10/10/12 00:04	121009B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1700	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	130	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW16A	12-10-0516-6-D	10/04/12 15:30	Aqueous	GC 42	10/09/12	10/10/12 00:40	121009B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2400	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
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-10-MW16B	12-10-0516-7-E	10/04/12 15:15	Aqueous	GC 42	10/09/12	10/10/12 01:16	121009B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	59	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	74	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW17A	12-10-0516-8-E	10/04/12 13:50	Aqueous	GC 42	10/09/12	10/10/12 01:52	121009B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	430	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	79	38-134			

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

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**Analytical Report**



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-11-MW17B	12-10-0516-9-E	10/04/12 13:45	Aqueous	GC 42	10/09/12	10/10/12 02:28	121009B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	310	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	73	38-134			

W-7-MW18A	12-10-0516-10-E	10/04/12 13:00	Aqueous	GC 42	10/09/12	10/10/12 03:04	121009B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	62	38-134			

W-12-MW18B	12-10-0516-11-E	10/04/12 12:25	Aqueous	GC 42	10/09/12	10/10/12 03:39	121009B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	85	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	74	38-134			

W-8-MW19A	12-10-0516-12-E	10/04/12 14:30	Aqueous	GC 42	10/09/12	10/10/12 04:15	121009B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2000	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	118	38-134			

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

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**Analytical Report**



Cardno ERI  
 601 North McDowell Blvd.  
 Petaluma, CA 94954-2312

Date Received: 10/06/12  
 Work Order No: 12-10-0516  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW19B	12-10-0516-13-E	10/04/12 14:15	Aqueous	GC 42	10/09/12	10/10/12 04:52	121009B01

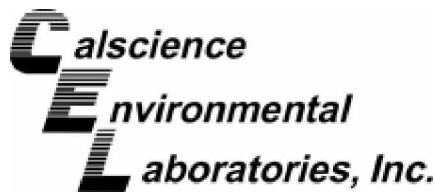
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	73	38-134			

Method Blank	099-12-436-7,922	N/A	Aqueous	GC 42	10/09/12	10/09/12 12:38	121009B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	73	38-134			

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



Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8021B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCBB	12-10-0516-1-F	10/04/12 18:00	Aqueous	GC 21	10/09/12	10/09/12 14:42	121009B01

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	88	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW2	12-10-0516-2-F	10/04/12 14:20	Aqueous	GC 21	10/09/12	10/09/12 15:17	121009B01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	34	0.50	1		Ethylbenzene	ND	0.50	1	U
Toluene	3.8	0.50	1		Xylenes (total)	2.8	1.0	1	
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	98	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW3	12-10-0516-3-F	10/04/12 11:15	Aqueous	GC 21	10/09/12	10/10/12 01:00	121009B01

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	322	70-130		AZ					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6	12-10-0516-4-F	10/04/12 15:55	Aqueous	GC 21	10/09/12	10/09/12 16:44	121009B01

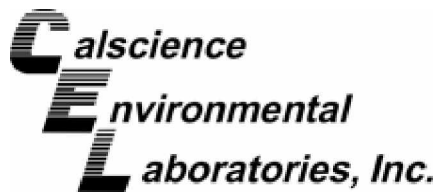
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	7.2	0.50	1		Ethylbenzene	ND	0.50	1	U
Toluene	2.0	0.50	1		Xylenes (total)	1.5	1.0	1	LD
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	84	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW14	12-10-0516-5-D	10/04/12 15:30	Aqueous	GC 21	10/09/12	10/09/12 17:20	121009B01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.0	0.50	1		Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Surrogates:	REC (%)	Control Limits	Qual						
1,4-Bromofluorobenzene	115	70-130							

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

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Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8021B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW16A	12-10-0516-6-E	10/04/12 15:30	Aqueous	GC 21	10/09/12	10/09/12 17:55	121009B01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	28	0.50	1		Ethylbenzene	5.2	0.50	1	
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	96	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-10-MW16B	12-10-0516-7-F	10/04/12 15:15	Aqueous	GC 21	10/09/12	10/09/12 18:31	121009B01

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW17A	12-10-0516-8-F	10/04/12 13:50	Aqueous	GC 21	10/09/12	10/09/12 19:06	121009B01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.1	0.50	1		Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	90	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-11-MW17B	12-10-0516-9-F	10/04/12 13:45	Aqueous	GC 21	10/09/12	10/09/12 20:52	121009B01

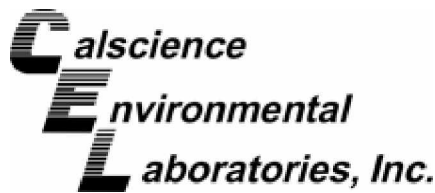
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	1.8	1.0	1	LD
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	84	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW18A	12-10-0516-10-F	10/04/12 13:00	Aqueous	GC 21	10/09/12	10/09/12 21:28	121009B01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Ethylbenzene	ND	0.50	1	U
Toluene	3.8	0.50	1		Xylenes (total)	2.5	1.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	86	70-130							

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

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Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8021B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW18B	12-10-0516-11-F	10/04/12 12:25	Aqueous	GC 21	10/09/12	10/09/12 22:03	121009B01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.6	0.50	1		Ethylbenzene	2.4	0.50	1	
Toluene	34	0.50	1		Xylenes (total)	6.6	1.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	79	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-8-MW19A	12-10-0516-12-F	10/04/12 14:30	Aqueous	GC 21	10/09/12	10/09/12 22:38	121009B01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	12	0.50	1		Ethylbenzene	ND	0.50	1	U
Toluene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	97	70-130							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW19B	12-10-0516-13-F	10/04/12 14:15	Aqueous	GC 21	10/09/12	10/09/12 23:14	121009B01

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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	82	70-130							

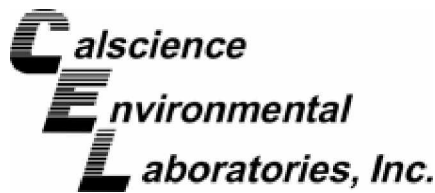
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-667-1,578	N/A	Aqueous	GC 21	10/09/12	10/09/12 14:06	121009B01

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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
1,4-Bromofluorobenzene	77	70-130							

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

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Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>QCEB</b>	<b>12-10-0516-14-A</b>	<b>10/05/12 09:30</b>	<b>Aqueous</b>	<b>GC/MS EE</b>	<b>10/17/12</b>	<b>10/18/12 10:06</b>	<b>121017L02</b>

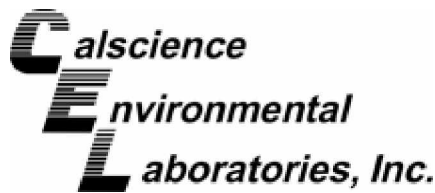
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Ethylbenzene	ND	1.0	1	U	TPPH	ND	50	1	U
Toluene	ND	1.0	1	U					
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-126			1,2-Dichloroethane-d4	105	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	95	80-120		
1,4-Bromofluorobenzene	98	80-120							

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
	<b>099-14-246-844</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS EE</b>	<b>10/17/12</b>	<b>10/18/12 02:46</b>	<b>121017L02</b>

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Ethylbenzene	ND	1.0	1	U	TPPH	ND	50	1	U
Toluene	ND	1.0	1	U					
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	93	80-126			1,2-Dichloroethane-d4	93	80-131		
Toluene-d8	96	80-120			Toluene-d8-TPPH	89	80-120		
1,4-Bromofluorobenzene	94	80-120							

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



Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>QCBB</b>	<b>12-10-0516-1-A</b>	<b>10/04/12 18:00</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/08/12</b>	<b>10/09/12 01:36</b>	<b>121008L02</b>

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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	97	68-120			Dibromofluoromethane	97	80-127		
1,2-Dichloroethane-d4	98	80-128			Toluene-d8	98	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-13-MW2</b>	<b>12-10-0516-2-A</b>	<b>10/04/12 14:20</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/08/12</b>	<b>10/09/12 02:04</b>	<b>121008L02</b>

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	1.5	0.50	1	QO	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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	68-120			Dibromofluoromethane	93	80-127		
1,2-Dichloroethane-d4	96	80-128			Toluene-d8	95	80-120		

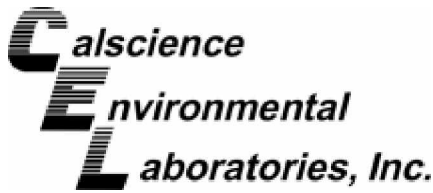
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-8-MW3</b>	<b>12-10-0516-3-A</b>	<b>10/04/12 11:15</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/08/12</b>	<b>10/09/12 02:33</b>	<b>121008L02</b>

Comment(s): -DF Reporting limits elevated due to matrix interferences.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	50	100	U	Tert-Amyl-Methyl Ether (TAME)	ND	50	100	U
Tert-Butyl Alcohol (TBA)	ND	500	100	U	Ethanol	ND	5000	100	U
Diisopropyl Ether (DIPE)	ND	50	100	U	1,2-Dibromoethane	ND	50	100	U
Ethyl-t-Butyl Ether (ETBE)	ND	50	100	U	1,2-Dichloroethane	ND	50	100	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	90	68-120			Dibromofluoromethane	96	80-127		
1,2-Dichloroethane-d4	100	80-128			Toluene-d8	100	80-120		

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

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Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6	12-10-0516-4-A	10/04/12 15:55	Aqueous	GC/MS L	10/08/12	10/09/12 03:01	121008L02

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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	100	68-120			Dibromofluoromethane	87	80-127		
1,2-Dichloroethane-d4	90	80-128			Toluene-d8	98	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW14	12-10-0516-5-A	10/04/12 15:30	Aqueous	GC/MS L	10/08/12	10/09/12 03:30	121008L02

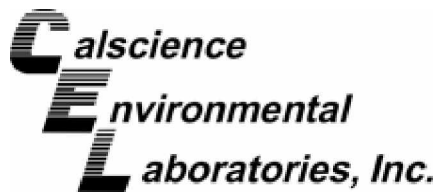
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	88	68-120			Dibromofluoromethane	89	80-127		
1,2-Dichloroethane-d4	83	80-128			Toluene-d8	94	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW16A	12-10-0516-6-A	10/04/12 15:30	Aqueous	GC/MS L	10/08/12	10/09/12 03:59	121008L02

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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	99	68-120			Dibromofluoromethane	84	80-127		
1,2-Dichloroethane-d4	86	80-128			Toluene-d8	95	80-120		

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

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Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-10-MW16B</b>	<b>12-10-0516-7-B</b>	<b>10/04/12 15:15</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/10/12</b>	<b>10/11/12 06:39</b>	<b>121010L02</b>

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	73	1.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	2	U
Tert-Butyl Alcohol (TBA)	14	10	2		Ethanol	ND	100	2	U
Diisopropyl Ether (DIPE)	ND	1.0	2	U	1,2-Dibromoethane	ND	1.0	2	U
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	2	U	1,2-Dichloroethane	ND	1.0	2	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	94	68-120			Dibromofluoromethane	93	80-127		
1,2-Dichloroethane-d4	95	80-128			Toluene-d8	92	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-7-MW17A</b>	<b>12-10-0516-8-A</b>	<b>10/04/12 13:50</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/08/12</b>	<b>10/09/12 04:56</b>	<b>121008L02</b>

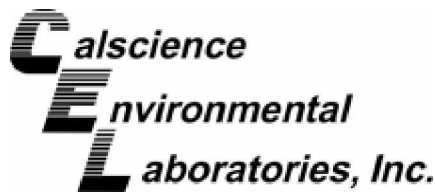
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	99	68-120			Dibromofluoromethane	83	80-127		
1,2-Dichloroethane-d4	83	80-128			Toluene-d8	92	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-11-MW17B</b>	<b>12-10-0516-9-A</b>	<b>10/04/12 13:45</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/08/12</b>	<b>10/09/12 05:24</b>	<b>121008L02</b>

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	400	10	20		Tert-Amyl-Methyl Ether (TAME)	ND	5.0	10	U
Tert-Butyl Alcohol (TBA)	ND	50	10	U	Ethanol	ND	500	10	U
Diisopropyl Ether (DIPE)	ND	5.0	10	U	1,2-Dibromoethane	ND	5.0	10	U
Ethyl-t-Butyl Ether (ETBE)	ND	5.0	10	U	1,2-Dichloroethane	ND	5.0	10	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	96	68-120			Dibromofluoromethane	89	80-127		
1,2-Dichloroethane-d4	86	80-128			Toluene-d8	95	80-120		

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

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Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-7-MW18A</b>	<b>12-10-0516-10-A</b>	<b>10/04/12 13:00</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/08/12</b>	<b>10/09/12 05:53</b>	<b>121008L02</b>

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	0.97	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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	98	68-120			Dibromofluoromethane	93	80-127		
1,2-Dichloroethane-d4	85	80-128			Toluene-d8	92	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-12-MW18B</b>	<b>12-10-0516-11-A</b>	<b>10/04/12 12:25</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/08/12</b>	<b>10/09/12 06:21</b>	<b>121008L02</b>

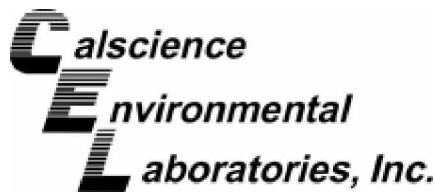
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	97	68-120			Dibromofluoromethane	90	80-127		
1,2-Dichloroethane-d4	87	80-128			Toluene-d8	94	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-8-MW19A</b>	<b>12-10-0516-12-B</b>	<b>10/04/12 14:30</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>10/10/12</b>	<b>10/11/12 07:36</b>	<b>121010L02</b>

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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	92	68-120			Dibromofluoromethane	80	80-127		
1,2-Dichloroethane-d4	92	80-128			Toluene-d8	99	80-120		

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

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Analytical Report



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73006/022010C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-7-MW19B	12-10-0516-13-A	10/04/12 14:15	Aqueous	GC/MS L	10/08/12	10/09/12 07:19	121008L02

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	1.2	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	94	68-120			Dibromofluoromethane	87	80-127		
1,2-Dichloroethane-d4	85	80-128			Toluene-d8	93	80-120		

Method Blank	099-12-884-942	N/A	Aqueous	GC/MS L	10/08/12	10/09/12 01:07	121008L02
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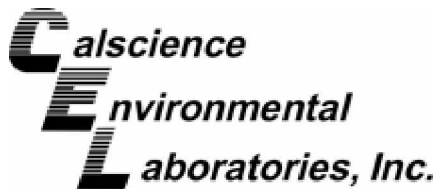
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U	Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	U
Tert-Butyl Alcohol (TBA)	ND	5.0	1	U	Ethanol	ND	50	1	U
Diisopropyl Ether (DIPE)	ND	0.50	1	U	1,2-Dibromoethane	ND	0.50	1	U
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	U	1,2-Dichloroethane	ND	0.50	1	U
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	94	68-120			Dibromofluoromethane	95	80-127		
1,2-Dichloroethane-d4	98	80-128			Toluene-d8	98	80-120		

Method Blank	099-12-884-943	N/A	Aqueous	GC/MS L	10/10/12	10/11/12 00:55	121010L02
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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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	95	68-120			Dibromofluoromethane	96	80-127		
1,2-Dichloroethane-d4	99	80-128			Toluene-d8	94	80-120		

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

Return to Contents



Quality Control - Spike/Spike Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 3550B  
Method: EPA 8015B (M)

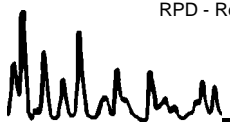
Project ExxonMobil 73006/022010C

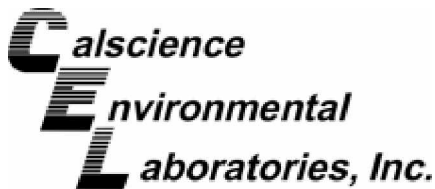
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-10-0490-46	Solid	GC 45	10/09/12	10/10/12	121009S13

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	53.54	400.0	520.8	117	526.1	118	64-130	1	0-15	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

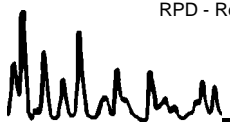
Project ExxonMobil 73006/022010C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-10-0370-1	Aqueous	GC 42	10/09/12	10/09/12	121009S01

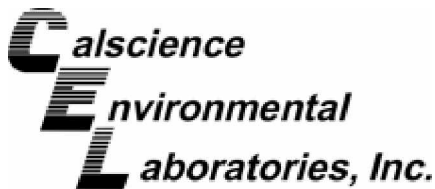
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TPH as Gasoline	ND	2000	2085	104	2169	108	68-122	4	0-18	

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RPD - Relative Percent Difference , CL - Control Limit







Quality Control - Spike/Spike Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8021B

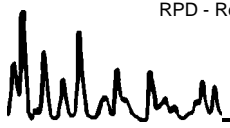
Project ExxonMobil 73006/022010C

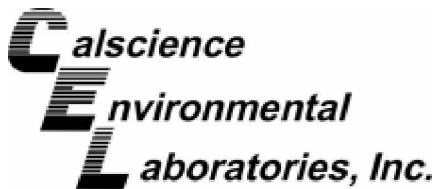
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-12-MW18B	Aqueous	GC 21	10/09/12	10/09/12	121009S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	6.649	100.0	96.38	90	97.43	91	57-129	1	0-23	
Toluene	34.34	100.0	125.5	91	126.9	93	50-134	1	0-26	
Ethylbenzene	2.423	100.0	93.07	91	94.62	92	58-130	2	0-26	
Xylenes (total)	6.608	300.0	287.4	94	290.3	95	58-130	1	0-28	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B

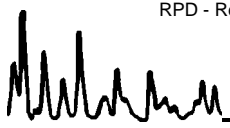
Project ExxonMobil 73006/022010C

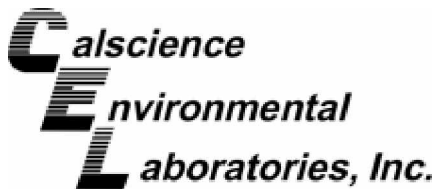
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-10-0821-3	Aqueous	GC/MS EE	10/17/12	10/18/12	121017S02

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	50.81	102	49.28	99	80-120	3	0-20	
Ethylbenzene	ND	50.00	48.98	98	47.54	95	73-127	3	0-20	
Toluene	ND	50.00	50.74	101	49.16	98	80-120	3	0-20	
Xylenes (total)	ND	150.0	139.7	93	129.8	87	80-120	7	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B

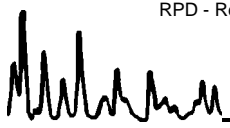
Project ExxonMobil 73006/022010C

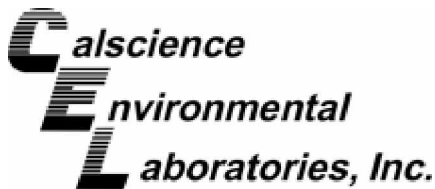
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
QCBB	Aqueous	GC/MS L	10/08/12	10/09/12	121008S02

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10.00	8.737	87	8.308	83	67-121	5	0-49	
Tert-Butyl Alcohol (TBA)	ND	50.00	62.88	126	60.68	121	36-162	4	0-30	
Diisopropyl Ether (DIPE)	ND	10.00	9.506	95	9.223	92	60-138	3	0-45	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	9.437	94	9.236	92	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	10.22	102	9.960	100	65-120	3	0-20	
Ethanol	ND	100.0	101.5	102	107.0	107	30-180	5	0-72	
1,2-Dibromoethane	ND	10.00	10.91	109	9.783	98	80-120	11	0-20	
1,2-Dichloroethane	ND	10.00	9.555	96	9.159	92	80-120	4	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: 10/06/12  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B

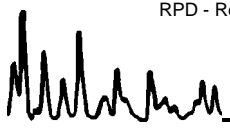
Project ExxonMobil 73006/022010C

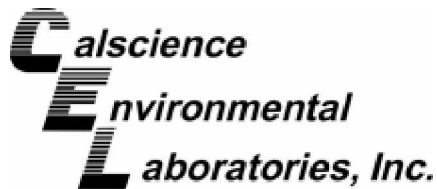
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-10-0627-4	Aqueous	GC/MS L	10/10/12	10/11/12	121010S02

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10.00	7.085	71	7.012	70	67-121	1	0-49	
Tert-Butyl Alcohol (TBA)	26.35	50.00	83.97	115	69.95	87	36-162	18	0-30	
Diisopropyl Ether (DIPE)	ND	10.00	8.263	83	7.964	80	60-138	4	0-45	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	8.173	82	7.686	77	69-123	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	8.889	89	8.980	90	65-120	1	0-20	
Ethanol	ND	100.0	106.7	107	111.9	112	30-180	5	0-72	
1,2-Dibromoethane	ND	10.00	9.324	93	9.250	92	80-120	1	0-20	
1,2-Dichloroethane	27.70	10.00	36.92	92	35.53	78	80-120	4	0-20	HX

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: N/A  
Work Order No: 12-10-0516  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

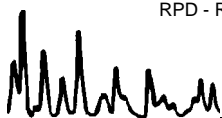
Project: ExxonMobil 73006/022010C

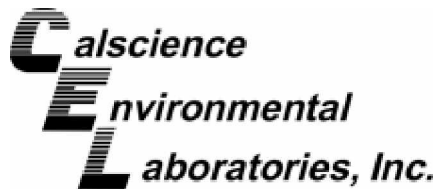
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-116	Aqueous	GC 46	10/08/12	10/10/12	121008B13

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	2000	1674	84	1704	85	75-117	2	0-13	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: N/A  
Work Order No: 12-10-0516  
Preparation: EPA 3550B  
Method: EPA 8015B (M)

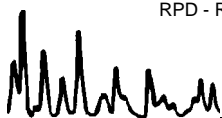
Project: ExxonMobil 73006/022010C

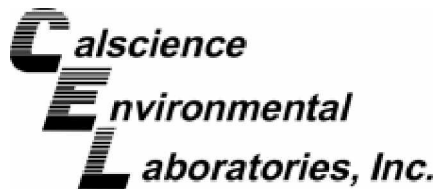
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-490-121	Solid	GC 45	10/09/12	10/10/12	121009B13S

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	400.0	452.4	113	437.3	109	75-123	3	0-12	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: N/A  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

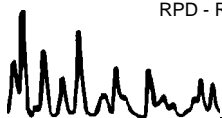
Project: ExxonMobil 73006/022010C

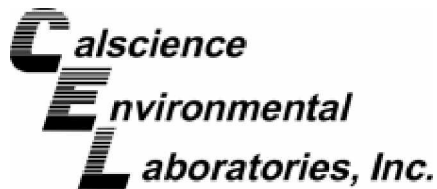
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-7,922	Aqueous	GC 42	10/09/12	10/09/12	121009B01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	2094	105	2054	103	78-120	2	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: N/A  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8021B

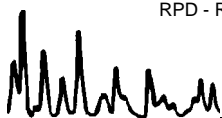
Project: ExxonMobil 73006/022010C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-667-1,578	Aqueous	GC 21	10/09/12	10/09/12	121009B01

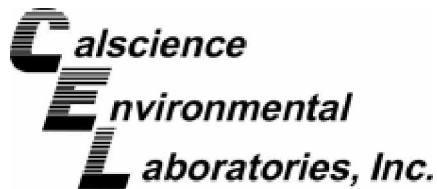
Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100.0	87.82	88	87.30	87	70-118	1	0-9	
Toluene	100.0	90.22	90	90.24	90	66-114	0	0-9	
Ethylbenzene	100.0	88.58	89	87.49	87	72-114	1	0-9	
Xylenes (total)	300.0	269.7	90	274.3	91	74-116	2	0-9	

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RPD - Relative Percent Difference , CL - Control Limit







Quality Control - LCS/LCS Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: N/A  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: LUFT GC/MS / EPA 8260B

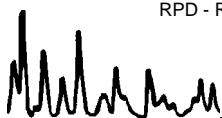
Project: ExxonMobil 73006/022010C

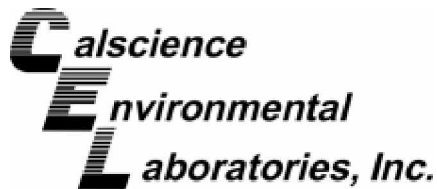
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-246-844	Aqueous	GC/MS EE	10/17/12	10/18/12	121017L02

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	52.21	104	50.47	101	80-120	3	0-20	
Ethylbenzene	50.00	51.87	104	53.73	107	80-123	4	0-20	
Toluene	50.00	51.85	104	50.20	100	80-120	3	0-20	
Xylenes (total)	150.0	150.1	100	152.9	102	80-120	2	0-20	
TPPH	1000	977.8	98	995.2	100	65-135	2	0-30	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: N/A  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B

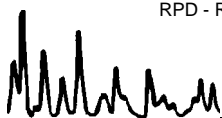
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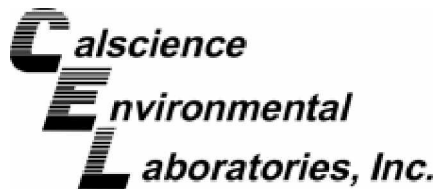
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-942	Aqueous	GC/MS L	10/08/12	10/08/12	121008L02

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	10.00	8.072	81	8.746	87	69-123	8	0-20	
Tert-Butyl Alcohol (TBA)	50.00	51.19	102	50.36	101	63-123	2	0-20	
Diisopropyl Ether (DIPE)	10.00	8.707	87	9.640	96	59-137	10	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	8.964	90	9.625	96	69-123	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.470	95	10.49	105	70-120	10	0-20	
Ethanol	100.0	96.60	97	98.10	98	28-160	2	0-57	
1,2-Dibromoethane	10.00	9.474	95	10.30	103	79-121	8	0-20	
1,2-Dichloroethane	10.00	9.620	96	10.66	107	80-120	10	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ERI  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

Date Received: N/A  
Work Order No: 12-10-0516  
Preparation: EPA 5030C  
Method: EPA 8260B

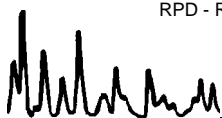
Project: ExxonMobil 73006/022010C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-884-943	Aqueous	GC/MS L	10/10/12	10/10/12	121010L02

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	10.00	7.800	78	8.425	84	69-123	8	0-20	
Tert-Butyl Alcohol (TBA)	50.00	53.24	106	48.25	97	63-123	10	0-20	
Diisopropyl Ether (DIPE)	10.00	9.061	91	9.160	92	59-137	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	8.863	89	8.985	90	69-123	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.684	97	10.17	102	70-120	5	0-20	
Ethanol	100.0	108.0	108	96.24	96	28-160	11	0-57	
1,2-Dibromoethane	10.00	10.37	104	11.42	114	79-121	10	0-20	
1,2-Dichloroethane	10.00	10.87	109	11.02	110	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 12-10-0516

<u>Qualifier</u>	<u>Definition</u>
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.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
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.
HO	High concentration matrix spike recovery out of limits
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.
IL	Relative percent difference out of control.
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.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
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.
SG	A silica gel cleanup procedure was performed.
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.

MPN - Most Probable Number



**Sandy Tat**

---

**From:** David R. Daniels [david.daniels@cardno.com]  
**Sent:** Monday, October 08, 2012 3:07 PM  
**To:** Sandy Tat; Judy Hutton  
**Subject:** RE: ExxonMobil 73006/022010C (12-10-0516)

We would prefer to analyze TPHgas and BTEX under another combined method if possible. (LUFT GC/MS TPPH / EPA 8260B BTEX) would be acceptable. Do you need a revised COC?

**David Daniels**

SR STAFF GEOLOGIST  
 CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Direct (+1) 707-766-2024 Mobile (+1) 707-338-6997  
 Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA  
 Email [david.daniels@cardno.com](mailto:david.daniels@cardno.com) Web [www.cardno.com](http://www.cardno.com) [www.cardnoeri.com](http://www.cardnoeri.com)

---

**From:** Sandy Tat [<mailto:stat@calscience.com>]  
**Sent:** Monday, October 08, 2012 3:10 PM  
**To:** David R. Daniels; Judy Hutton  
**Subject:** ExxonMobil 73006/022010C (12-10-0516)  
**Importance:** High

Hi David / Judy,

We don't have enough sample to analyze for both TPH-Gas & EPA 8260B for sample (QCEB), because we only received 1 vial from this sample. Therefore, which analysis should we analyze for? Or would you prefer to combine both analyses, and analyze under another method (LUFT GC/MS TPPH / EPA 8260B BTEX)? Please advise. Thanks!

Sandy Tat  
 Project Manager Assistant



7440 Lincoln Way  
 Garden Grove, CA 92841-1427  
 (714) 895-5494  
[www.calscience.com](http://www.calscience.com)

**PRIVACY NOTICE:**

This email (and/or the documents attached to it) is intended only for the use of the individual or entity to which it is

# Calscience Environmental Laboratories, Inc.

7440 Lincoln Way  
Garden Grove, CA 92841

Phone: 714-895-5494

1072

Fax: 714-894-7501

**ExxonMobil**  
**12-10-0516**

Consultant Name: Cardno ERI Account #: NA PO#ect Bill Cardno ERI  
 Consultant Address: 601 N. McDowell Boulevard Invoice To: Direct Bill Cardno ERI  
 Consultant City/State/Zip: Petaluma, California, 94954 Report To: Rebekah Westrup  
 ExxonMobil Project Mgr: Jennifer Sedlachek Project Name: 02 2010 C  
 Consultant Project Mgr: Paula Sime ExxonMobil Site #: 73006 Major Project (AFE #):  
 Consultant Telephone Number: 707-766-2000 Fax No.: 707-789-0414 Site Address: 720 High Street  
 Sampler Name (Print): Drew Hazen Site City, State, Zip: Oakland, California  
 Sampler Signature: *[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											Matrix					Analyze For:					RUSH TAT (Pre-Schedule 5-day TAT)	Standard 10-day TAT	Due Date of Report
								Methanol	Sodium Bisulfate	HCl	NaOH	H2SO4, Plastic	H2SO4, Glass	HNO3	Ice	Other	None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	ETHANOL 8260B			
QCBB	QCBB	10/4/12	1300	6V/2A															X	X	X	X	X	X	X			X			
W-13-MW2	MW2		1420	6V/2A																X	X	X	X	X			X				
W-8-MW3	MW3		1115	6V/2A																X	X	X	X	X		X	X				
W-12-MW6	MW6		1555	6V/2A																X	X	X	X	X			X				
W-7-MW14	MW14		1530	6V/2A																X	X	X	X	X			X				
W-7-MW16A	MW16A		1530	6V/2A																X	X	X	X	X			X				
W-10-MW16B	MW16B		1515	6V/2A																X	X	X	X	X			X				
W-7-MW17A	MW17A		1350	6V/2A																X	X	X	X	X			X				
W-11-MW17B	MW17B		1345	6V/2A																X	X	X	X	X			X				
W-7-MW18A	MW18A		1300	6V/2A																X	X	X	X	X			X				
W-12-MW18B	MW18B		1225	6V/2A																X	X	X	X	X			X				
W-8-MW19A	MW19A		1430	6V/2A																X	X	X	X	X			X				
W-7-MW19B	MW19B	✓	1415	6V/2A																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 # T0600100552

Relinquished by:  
*[Signature]*  
Relinquished by:  
*[Signature]* TO GSO

Date: 10/5/12  
Time: 1015  
Date: 10/5/12  
Time: 1730

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

Received by: *[Signature]* CER  
Received by (Lab personnel):  
*[Signature]* CAL

Temperature Upon Receipt: Y N  
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





0516

	<p align="center"><b>&lt; WebShip &gt; &gt; &gt; &gt;</b> 800-322-5555 www.gso.com</p>	
<p><b>Ship From:</b> ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520</p>	<p>Tracking #: 520148174 </p>	<p align="center"><b>SDS</b></p>
<p><b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841</p>	<p align="center"><b>ORC</b> <b>GARDEN GROVE</b></p>	
<p><b>COD:</b> \$0.00</p>	<p align="center"><b>D92841A</b></p>	
<p><b>Reference:</b> CARDNO ERI</p>	<p align="center"></p>	
<p><b>Delivery Instructions:</b></p>	<p align="center">5349380</p>	
<p><b>Signature Type:</b> SIGNATURE REQUIRED</p>	<p align="right">Print Date : 10/05/12 14:29 PM</p>	

**Package 1 of 1**

Print All

**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.

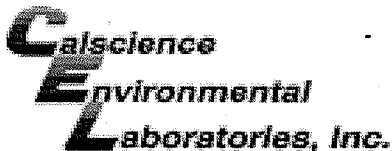
**ADDITIONAL OPTIONS:**

**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 are not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.







WORK ORDER #: 12-10-0516

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 10/06/12

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 2.9°C - 0.3°C (CF) = 2.6°C [X] 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:

[X] Cooler [ ] \_\_\_\_\_ [ ] No (Not Intact) [ ] Not Present [ ] N/A

Initial: YC

[ ] Sample [ ] \_\_\_\_\_ [ ] No (Not Intact) [X] Not Present

Initial: AS

SAMPLE CONDITION:

Table with 4 columns: Sample Condition, Yes, No, N/A. Rows include 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 [X] VOA<sup>6</sup> [ ] VOAna<sub>2</sub> [ ] 125AGB [ ] 125AGBh [ ] 125AGBp [ ] 1AGB [ ] 1AGBna<sub>2</sub> [ ] 1AGBs
[ ] 500AGB [X] 500AGJ [ ] 500AGJs [ ] 250AGB [ ] 250CGB [ ] 250CGBs [ ] 1PB [ ] 1PBna [ ] 500PB
[ ] 250PB [ ] 250PBn [ ] 125PB [ ] 125PBz<sup>2</sup>na [ ] 100PJ [ ] 100PJna<sub>2</sub> [ ] \_\_\_\_\_ [ ] \_\_\_\_\_ [ ] \_\_\_\_\_

Air: [ ] Tedlar® [ ] Canister [ ] Other: [X] 500ABJ<sup>OIL</sup> Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: [Signature]

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

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> u: Ultra-pure z<sup>2</sup>na: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: [Signature]



**APPENDIX C**  
**WASTE DISPOSAL DOCUMENTATION**

# NON-HAZARDOUS WASTE MANIFEST

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

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.	Manifest Document No. <b>ERI 2010</b>	2. Page 1 of 1
3. Generator's Name and Mailing Address <b>EM# 73006 720 HIGH ST OAKLAND, CA</b>		<b>CARDNO ERI</b>		
4. Generator's Phone ( )				
5. Transporter 1 Company Name <b>CARDNO ERI</b>		6. US EPA ID Number	A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter 1 Phone	
9. Designated Facility Name and Site Address <b>INSTRAT, INC. 1165 C AIRPORT RD. RIO VISTA, CA 94571</b>		10. US EPA ID Number	C. State Transporter's ID	
			D. Transporter 2 Phone	
			E. State Facility's ID	
			F. Facility's Phone <b>(707) 974-8834</b>	
11. WASTE DESCRIPTION		12. Containers	13. Total Quantity	14. Unit Wt./Vol.
a.		No.	Type	
<b>NON-HAZ PURGE WATER</b>		<b>01</b>	<b>POLY</b>	<b>205 GAL</b>
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above <b>BROWN, FINES, NO ODOR</b>		H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information				
<b>16. GENERATOR'S CERTIFICATION:</b> 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
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date
Printed/Typed Name <b>Tom Hazen</b>		<i>[Signature]</i>		Month Day Year <b>10 12 12</b>
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date
Printed/Typed Name				Month Day Year
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.				
Printed/Typed Name <b>MICHAEL WHITEHEAD</b>		Signature <i>[Signature]</i>		Date <b>10 12 12</b>

**NON-HAZARDOUS WASTE**

**GENERATOR**

**TRANSPORTER**

**FACILITY**

**APPENDIX D**  
**FIELD DATA SHEETS**

# Daily Field Report

Cardno ERI



Project ID #: 73006

Cardno ERI Job #2010

Subject: QM

Date: 10-4-12

Equipment Used: Bailer, Sub Pump

Sheet:

Name(s): S. Church

Time Arrived On Site:

Time Departed Site:

Total Travel

Onsite 915

H&S w Draw

Open 930-945

DTW 1015-1030

Purge

Sample

Sampled MW 18B, 18A, 2, 6, 14

Bailed out Product MW 3 about 300mil Product ~~thk~~ Thickness staying  
The Same

Purge 126

Decon 20

Total 146

Offsite 1600

## Out-Of-Scope Tasks:

\*M/P/S WELLS

\*M/S WELLS

\*M/S LOW FLOW WELLS

\*MO WELLS

\*O/P WELLS

\*POTABLE WELLS

\*TOOK TWO AT

TOTAL PURGED GALLONS:

\* TIC SET UPS

# DAILY FIELD REPORT



PROJECT: <u>73006</u>	JOB # + ACTIVITY: <u>2010</u>
SUBJECT: <u>M+S</u>	DATE: <u>10-4-12</u>
EQUIPMENT USED: <u>Bailers &amp; Sub pump</u>	SHEET: <u>1</u> OF <u>1</u>
NAME: <u>DH</u>	PROJECT MNGR: <u>BW</u>
<u>Onsite: 0915</u>	<u>Sunny 10-4-12</u>
<u>H+S Meeting</u>	
<u>Open Wells</u>	
<u>DTU 11 Wells</u>	
<u>Product Bail MW3 &amp; Grab Sample</u>	
<u>Purge &amp; Sample: MW19B, MW16B, MW17B, MW17A, MW18A</u>	
<u>: MW16A</u>	
<u>Purge: 33</u>	
<u>Decon: 30</u>	
<u>Total: 63</u>	
<u>Transport H<sub>2</sub>O to shop, Pump to trailer.</u>	
<u>Offsite: 1600</u>	
	<u>Offsite total</u>
	<u>Purge 155</u>
	<u>Decon 50</u>
	<u>Total 205</u>







### GROUNDWATER SAMPLING FIELD LOG

Client Name: Exxon

ERI Job #: 2010

Date: 10-4-12 Page 1 of 1

Location: 73006

Field Cleaning Performed: \_\_\_\_\_

Case Volume = (TD - DTW) x F where F =

Field Crew: DH

Analysis: \_\_\_\_\_

0.163 for 2" inside-diameter well casing  
0.652 for 4" inside-diameter well casing  
1.457 for 6" inside-diameter 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
MW19B	1203	2.81					7.28	Y		6	2			
	1205	3	3	16.8	1103	7.18	7			1415				
	1207		6	15.7	1249	7.06								
			9											
MW16B	1226	2.34					10.27	Y		6	2			
	1228	3	3	16.3	1098	7.00	10			1515				
	1230		6	15.2	1178	6.96								
			9											
MW17B	1254	2.56					11.46	Y		6	2			
	1300	3	3	15.8	819	6.91	11			1345				
	1302		6	14.6	914	6.90								
			9											
MW17A	1315	1.01					7.43	Y		6	2			
	1316	2	2	17.4	330	7.35	7			1350				
	1317		4	17.2	331	7.26								
			6											
MW18A	1357	1.26					7.74	Y		6	2			
	1358	2	2	17.9	955	6.82	8			1430				
	1359		4	17.2	1051	6.81								
			6											
MW11A	1441	1.89					7.07	Y		6	2			
	1442	1	1	17.7	312	7.25	7			1530				
	1443		2	17.6	412	7.10								
	1444		3	17.5	401	7.08								
MW3	1113						7.31			6	4			
Product														
	1115													Product in Well 2 Ambers Product 2 Ambers 6 lines H <sub>2</sub> O

# WATER SAMPLING SITE STATUS

Date: 10-4-12

Inspected by: DH/SC

Cardno ERI Job No.: 2010

Station No.: 73006

Site Address: 720 High 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	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/h/o	N/R/ok	
MW19B	OK	OK	OK	OK	OK	OK	N	OK	OK	OK	NA	NA	g	OK
MW18B														
MW18A														
MW16B														
MW17B														
MW2														
MW6														
MW17A														
MW19A														
MW14	o/z						Y	o/z						No bolts Both tabs Broken
MW16A	OK			N			N	OK						No lock
MW3	o/z			OK			N							o/z Stripped

N = Not repairable in time available-see comments.      Y = Yes.      s = Soil.      g = Graffiti on walls.  
 R = Repaired-see comments      N = No.      w = Water.      v = Vagrants (or evidence of).  
 ok = No action needed.      e = Empty.      o = Open (not secured).