

**ExxonMobil  
Environmental Services Company**

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**Jennifer C. Sedlachek**  
Project Manager

**ExxonMobil**

March 7, 2012

Mr. Jerry T. Wickham  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

**RECEIVED**

**4:32 pm, Mar 13, 2012**

Alameda County  
Environmental Health

**RE: Former Exxon RAS #73399/2991 Hopyard Road, Pleasanton, California.**

Dear Mr. Wickham:

Attached for your review and comment is a copy of the letter report entitled *Semi-Annual Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2011*, dated March 7, 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 and Remediation Status Report, Fourth Quarter 2011*, dated March 7, 2012

cc: w/ attachment  
Ms. Cherie McCaulou, California Regional Water Quality Control Board, San Francisco Bay Region  
Mr. Matthew Katen, Zone 7 Water Agency

w/o attachment  
Ms. Paula Sime, Cardno ERI



March 7, 2012  
Cardno ERI 2776C.Q114

Ms. Jennifer C. Sedlachek  
ExxonMobil Environmental Services  
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**SUBJECT** **Semi-Annual Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2011**  
Former Exxon Service Station 73399  
2991 Hopyard Road, Pleasanton, California

Alameda County File No. R0362

## INTRODUCTION

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI performed fourth quarter 2011 groundwater monitoring and sampling activities and operated a GWPTS at the subject site. Relevant plates, tables, and appendices are included at the end of this report. Currently, a Valero-branded service station and an auto repair shop is in operation at the site.

## GROUNDWATER MONITORING AND SAMPLING SUMMARY

<b>Gauging date:</b>	11/15/11
<b>Sampling dates</b>	11/15/11 through 11/17/11
<b>Wells gauged and sampled:</b>	MW1, MW4, MW5S, MW5D, MW7, MW9A, MW10, MW11, MW12A, MW14, OW1, OW2, PMW1 through PMW5, VR2
<b>Wells gauged only:</b>	MW13, PMW6
<b>Presence of NAPL:</b>	None
<b>GWPTS status on sampling date:</b>	Active
<b>Laboratory:</b>	Calscience Environmental Laboratories, Inc. Garden Grove, California
<b>Analyses performed:</b>	EPA Method 8015B    TPHg EPA Method 8260B    BTEX, MTBE

March 7, 2012  
 Cardno ERI 2776C.Q114 Former Exxon Service Station 73399, Pleasanton, California

**Waste disposal:** 569 gallons purge and decon water transferred to the GWPTS system on 11/15/11, 11/16/11, and 11/17/11

### GROUNDWATER PUMP AND TREAT SYSTEM SUMMARY

A GWPTS was installed in March 2001. Groundwater is pumped through two sediment filter housings and two 1,000-pound GAC vessels prior to being discharged to the sanitary sewer system under permit with the Dublin San Ramon Services District. The GWPTS currently operates using wells MW9A and VR1. Pumping wells OW1 and OW2 were shut down in October 2004.

On November 7, 2011, the system was shut down for a carbon change out. The spent carbon was placed in 55-gallon drums pending characterization and disposal. The system was restarted on November 9, 2011. The drums were removed on December 22, 2011.

**System start-up date:** March 2001

**System discharge permit:** Dublin San Ramon Service District  
Permit No. 10026

**System reporting period:** 09/06/11 – 12/08/11

**System modifications during reporting period:** On November 7, 2011, the system was shut down for a carbon changeout.

**System status during reporting period:** Active

**Wells used for extraction:** MW9A and VR1

**Laboratory:** Calscience Environmental Laboratories, Inc.  
Garden Grove, California

**Effluent analyses performed:** EPA Method 8015B TPHg, TPHd  
EPA Method 8260B BTEX, MTBE

**Discharge permit non-compliance events and exceptions:** None

#### System performance:

Period	Volume of Groundwater Treated (gallons)	Mass of TPHg Removed (pounds)	Mass of Benzene Removed (pounds)	Mass of MTBE Removed (pounds)
09/06/11 – 12/08/11	248,570	0.5073	<0.0085	0.6386
To Date:	10,694,710	<10.7149	<0.2096	<11.3246

March 7, 2012  
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## CONCLUSION

The groundwater flow direction in the perched zone was toward the east at a hydraulic gradient of 0.06. Groundwater flow direction in Zone 1 was radial outward from well MW9A. There were not enough data points to calculate the groundwater flow direction in Zone 2 or Zone 3.

There was less than 6 inches of water in well PMW6; therefore, the well was not sampled. Wells MW8, MW13, and VR1 were inaccessible during the fourth quarter.

Dissolved-phase petroleum hydrocarbon concentrations are consistent with the historical data for the site. BTEX constituents were reported in wells MW4, MW10, MW11, MW12A, PMW1, and PMW2 for the first time since 2005. Cardno ERI will continue to monitor BTEX in these wells during second quarter 2012.

## LIMITATIONS

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

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

Please contact Ms. Paula Sime, Cardno ERI's project manager for this site, at [paula.sime@cardno.com](mailto:paula.sime@cardno.com) or at (707) 766-2000 with any questions regarding this report.

Sincerely,

*Jennifer Lacy*  
SCANNED  
IMAGE

Jennifer L. Lacy  
Senior Staff Scientist  
for Cardno ERI  
707 766 2000  
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*Keri Chappell*  
SCANNED  
IMAGE

Keri L. Chappell  
P.G. 8227  
for Cardno ERI  
707 766 2000  
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March 7, 2012  
Cardno ERI 2776C.Q114 Former Exxon Service Station 73399, Pleasanton, California

Enclosures:

Acronym List

Plate 1	Site Vicinity Map
Plate 2	Select Analytical Results
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Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data
Table 2	Well Construction Details
Table 3	Operation and Performance Data for Groundwater Pump and Treat System
Appendix A	Groundwater Sampling Protocol
Appendix B	Field Notes
Appendix C	Laboratory Analytical Reports and Chain-of-Custody Records

cc: Mr. Jerry T. Wickham, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Alameda, California, 94502-6577

Ms. Cherie McCaulou, California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California, 94612

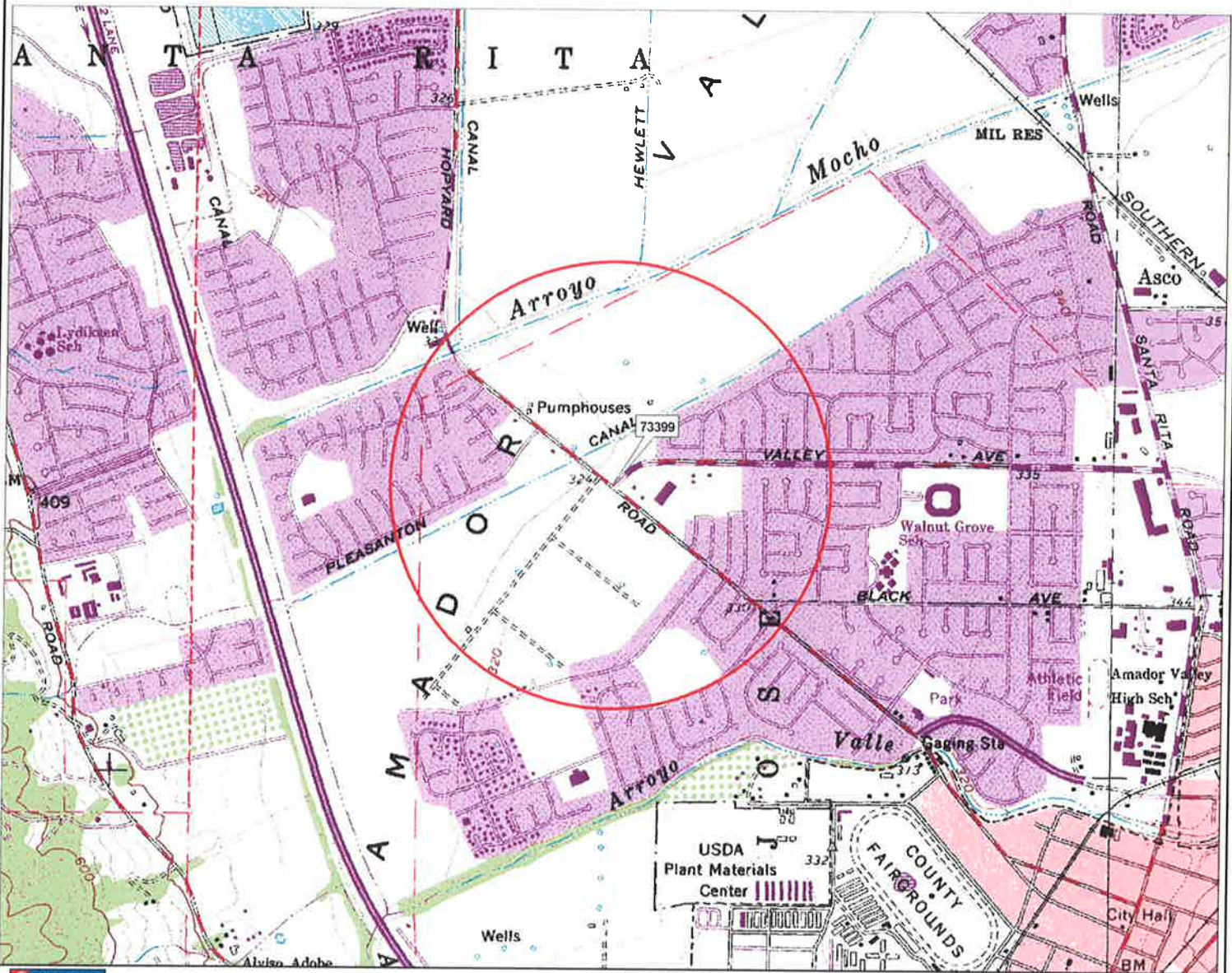
Mr. Matthew Katen, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, California, 94551

March 7, 2012

Cardno ERI 2776C.Q114 Former Exxon Service Station 73399, Pleasanton, California

**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		

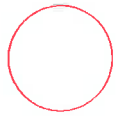


DeLORME

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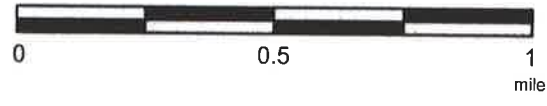
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**EXPLANATION**



1/2-mile radius circle

**APPROXIMATE SCALE**



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



**SITE VICINITY MAP**

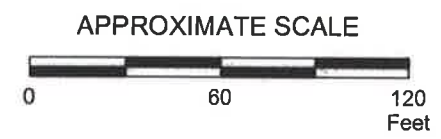
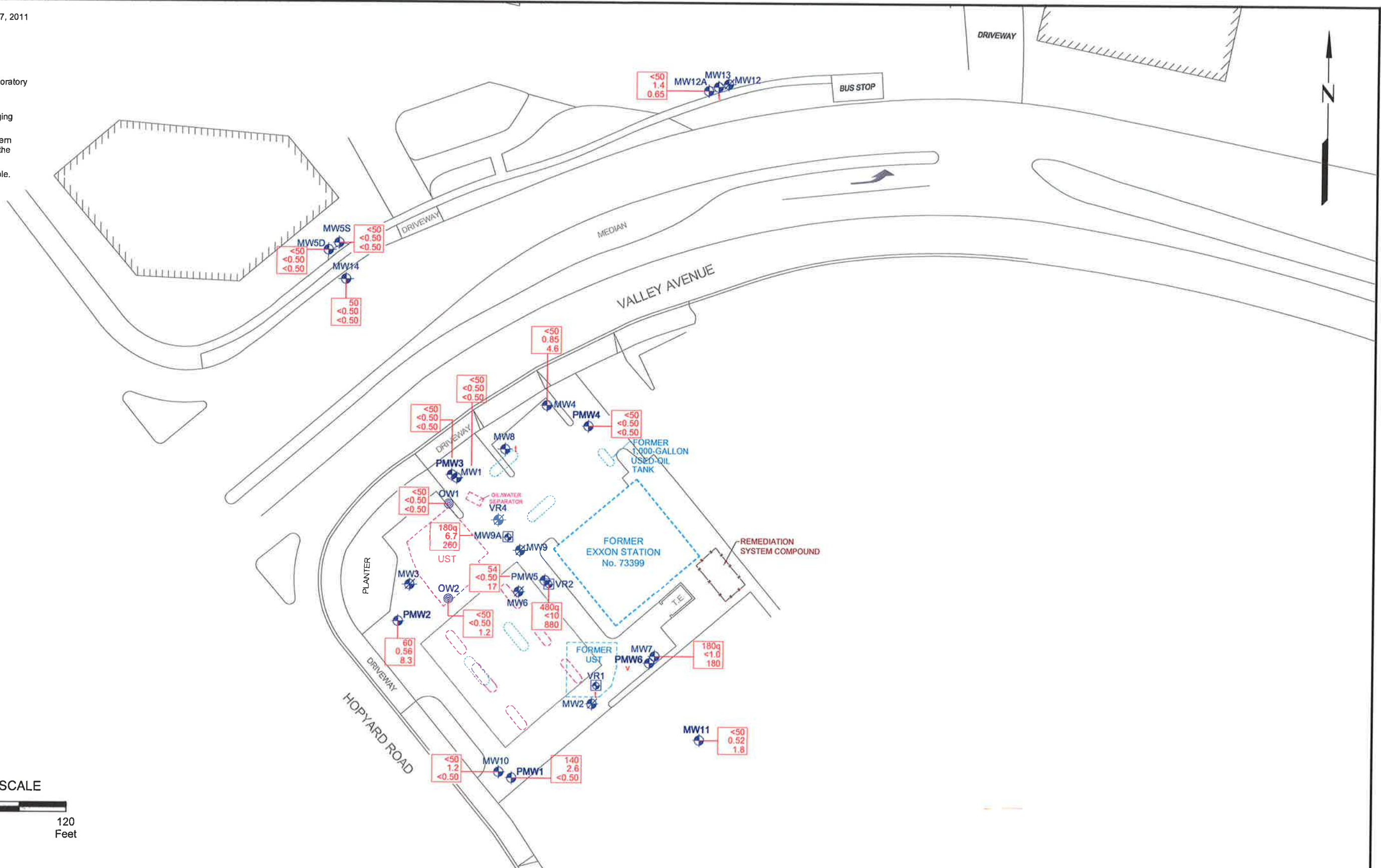
FORMER EXXON SERVICE STATION 73399  
2991 Hopyard Road  
Pleasanton, California

<b>PROJECT NO.</b>	2776
<b>PLATE</b>	1

Analyte Concentrations in ug/L  
 Sampled November 15, 16, and 17, 2011

Total Petroleum Hydrocarbons  
 as gasoline  
 Benzene  
 Methyl Tertiary Butyl Ether

- < Less Than the Stated Laboratory Reporting Limit
- ug/L Micrograms per Liter
- t Well inaccessible for gauging and/or sampling.
- q The chromatographic pattern does not match that of the specified standard.
- v Not enough water to sample.



FN 2776 11 4QTR QM



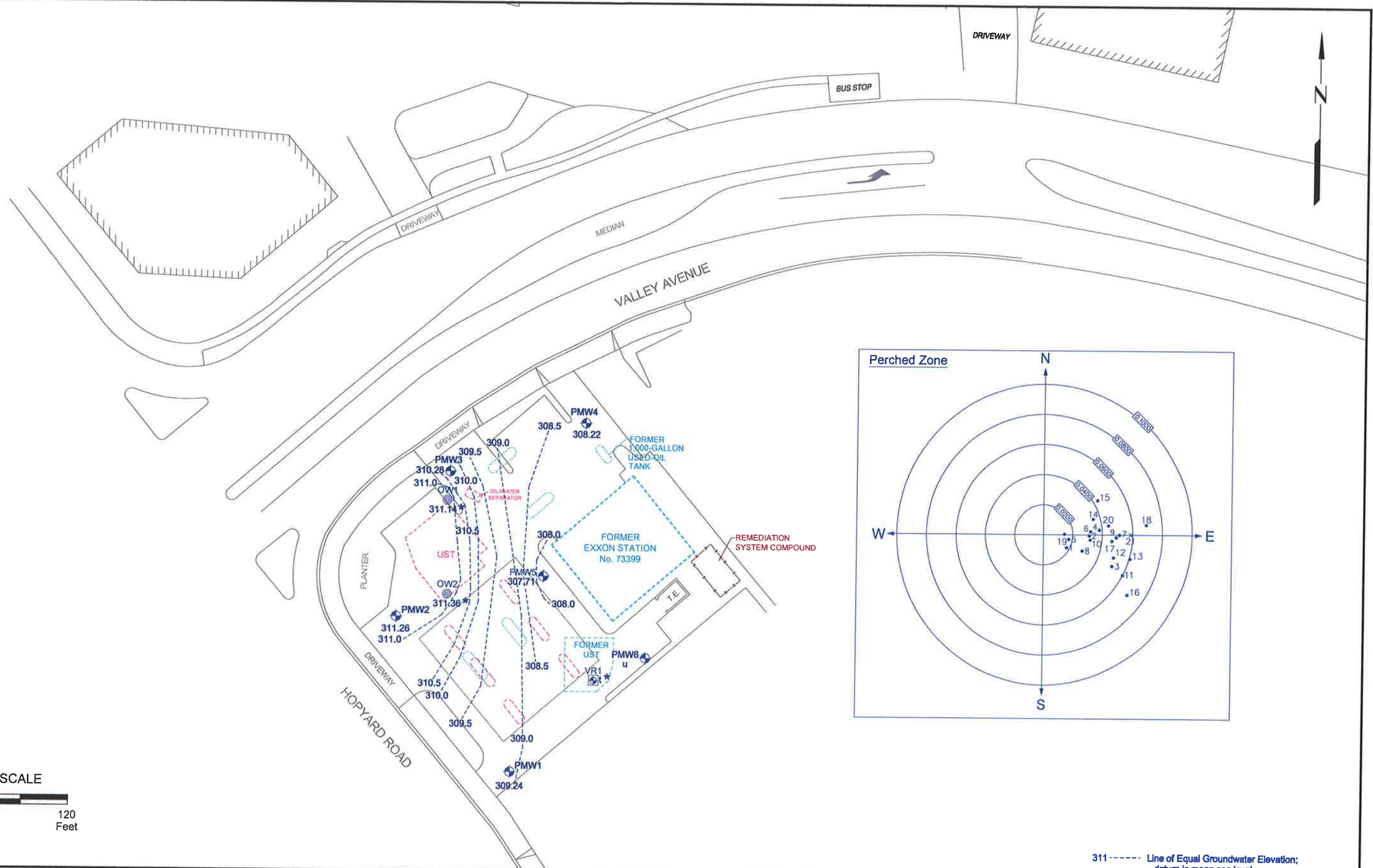
**SELECT ANALYTICAL RESULTS**  
**November 15, 16, and 17, 2011**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

- MW12 Destroyed Groundwater Monitoring Well
- MW14 Groundwater Monitoring Well
- OW2 Observation Well
- MW9A Recovery Groundwater Monitoring Well
- Dispenser Island
- Former Dispenser Island

**PROJECT NO.**  
 2776  
**PLATE**  
 2





APPROXIMATE SCALE



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**GROUNDWATER ELEVATION MAP - PERCHED ZONE**  
**November 15, 2011**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

- PMW5 Groundwater Monitoring Well
- 307.71 Groundwater elevation in feet; datum is mean sea level
- OW2 Observation Well

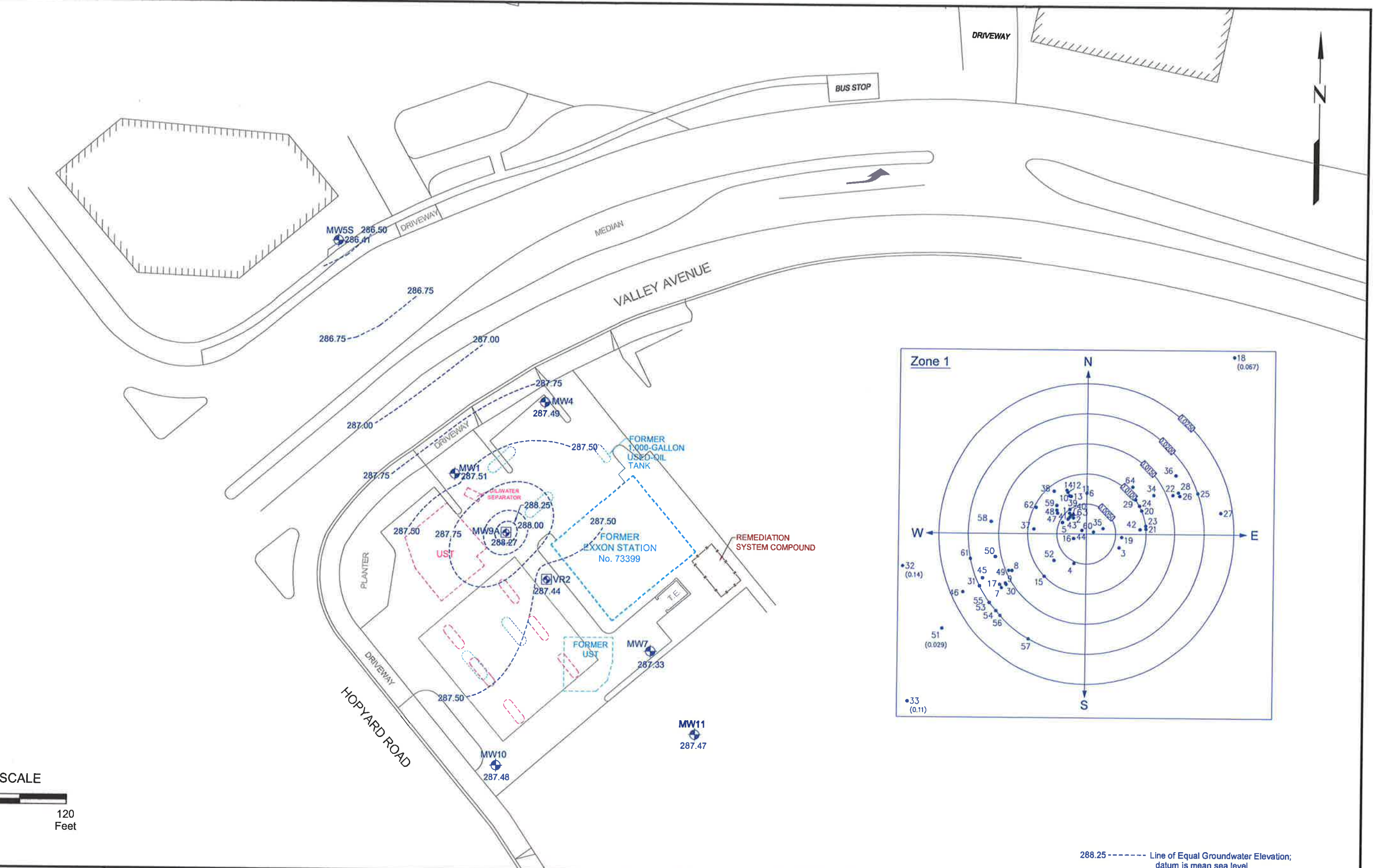
- u DTW measured in well indicates less than 6 inches of water in the well, which is not representative of the actual depth to groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.
- \* Wells OW1 and OW2 are tank backfill wells which may intersect the perched zone.

311 - - - - - Line of Equal Groundwater Elevation; datum is mean sea level

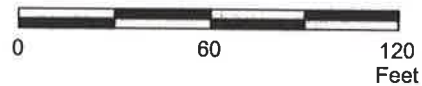
- Dispenser Island
- Former Dispenser Island

**PROJECT NO.**  
2776

**PLATE**  
3



APPROXIMATE SCALE



FN 2776 11 4QTR QM

**GROUNDWATER ELEVATION MAP - ZONE 1**  
**November 15, 2011**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

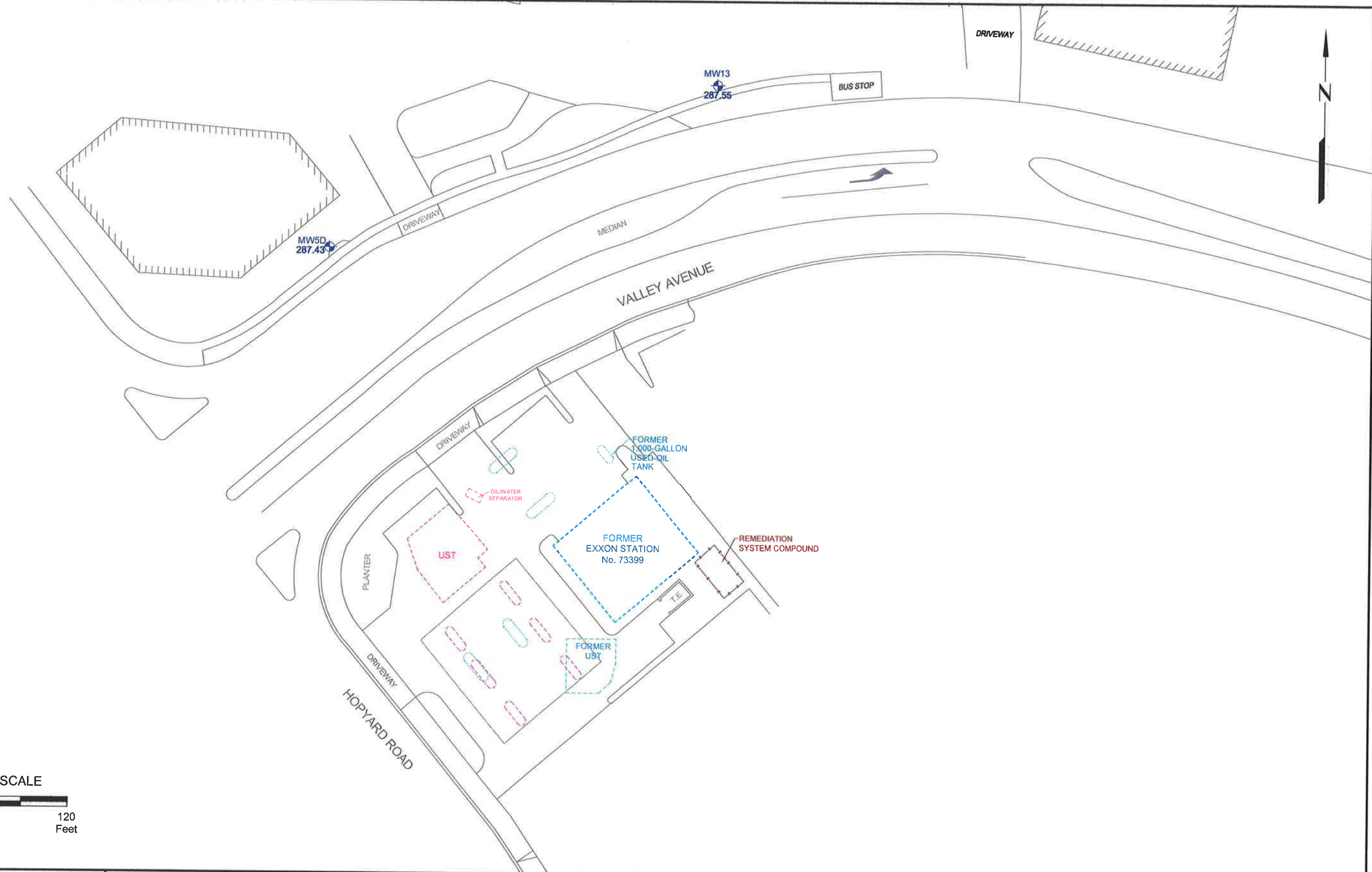
**EXPLANATION**

- MW11  
 287.47 Groundwater elevation in feet; datum is mean sea level
- MW9A  
 Recovery Groundwater Monitoring Well
- Dispenser Island
- Former Dispenser Island

288.25 ----- Line of Equal Groundwater Elevation; datum is mean sea level

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2776  
**PLATE**  
4





APPROXIMATE SCALE



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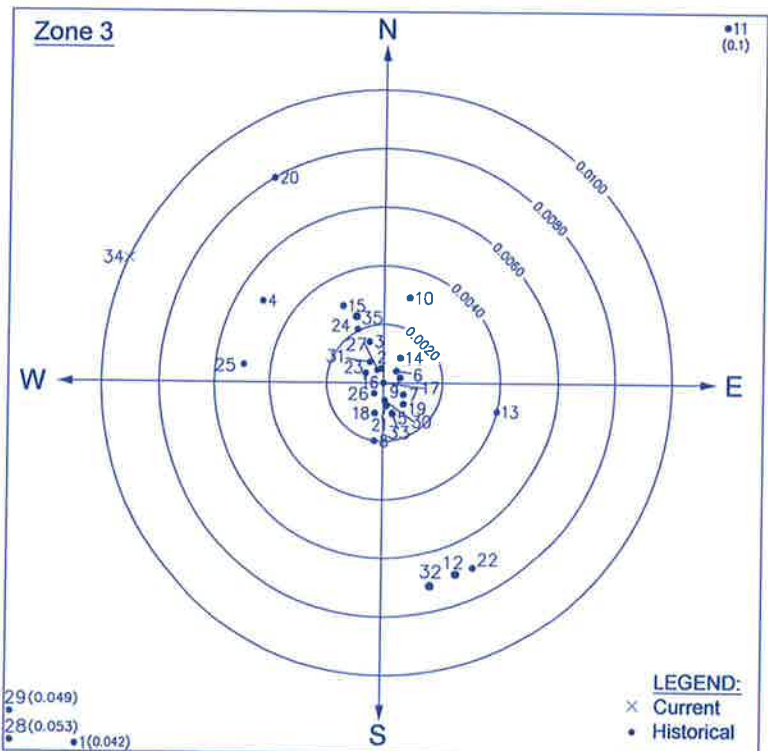
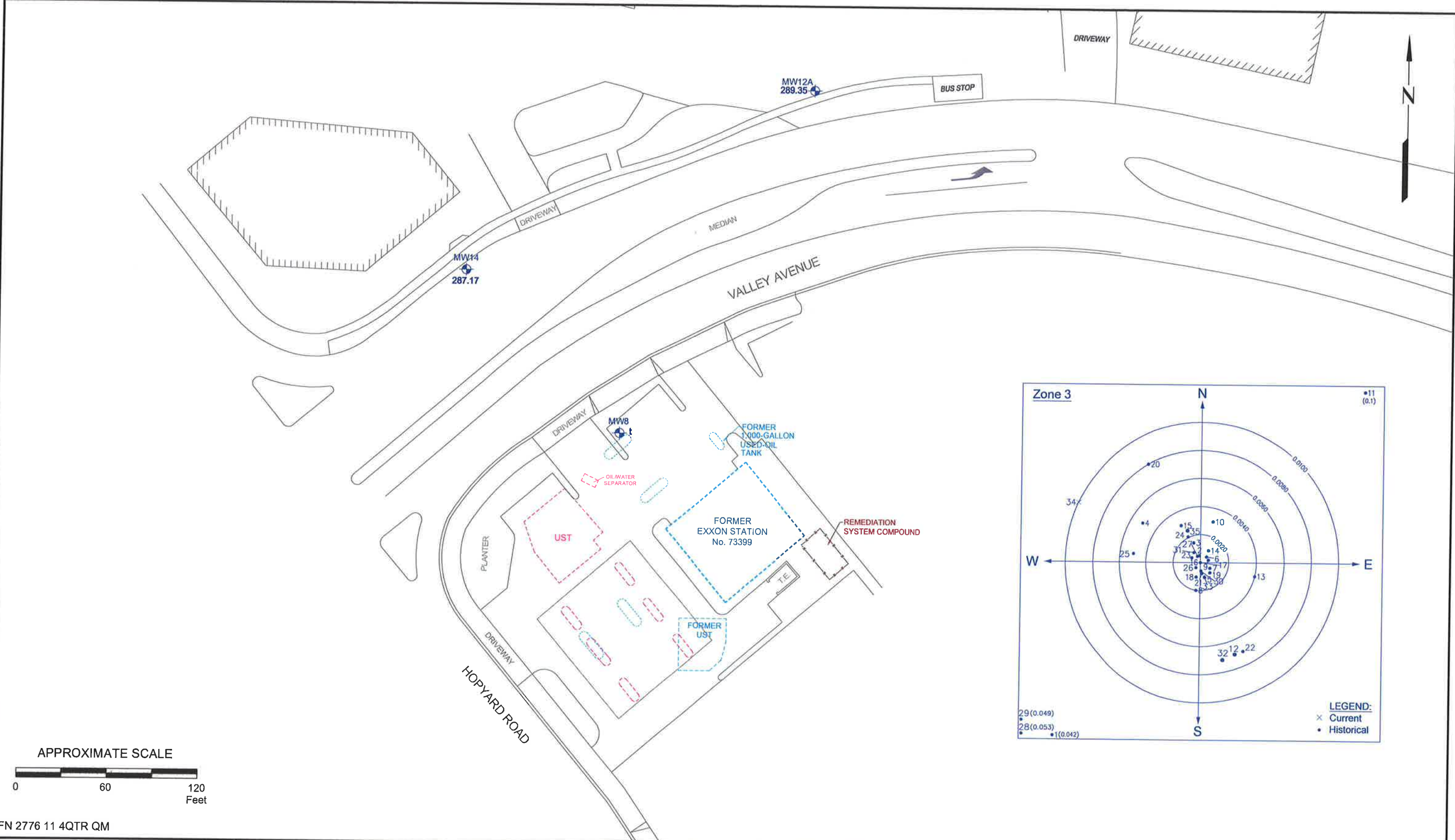
**GROUNDWATER ELEVATION MAP - ZONE 2**  
**November 15, 2011**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

MW5D  
 287.43 Groundwater elevation in feet;  
 datum is mean sea level

Dispenser Island  
 Former Dispenser Island

**PROJECT NO.**  
 2776  
**PLATE**  
 5



FN 2776 11 4QTR QM

**GROUNDWATER ELEVATION MAP - ZONE 3**  
**November 15, 2011**

FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

- MW14 Groundwater Monitoring Well
- 287.17 Groundwater elevation in feet; datum is mean sea level

t Well inaccessible for gauging and/or sampling.

- Dispenser Island
- Former Dispenser Island

**PROJECT NO.**  
 2776

**PLATE**  
 6



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
(Page 1 of 57)

Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
<b>Monitoring Well Samples</b>											
MW1	04/02/88	321.44	---	---	---	<20	---	<0.5	1.7	<0.5	<0.5
MW1	04/06/88	321.44	36.34	285.10	No	---	---	---	---	---	---
MW1	04/08/88	321.44	36.29	285.15	No	---	---	---	---	---	---
MW1	04/19/88	321.44	36.36	285.08	No	---	---	---	---	---	---
MW1	06/06/88	321.44	38.16	283.28	No	---	---	---	---	---	---
MW1	06/23/88	321.44	38.71	282.73	No	---	---	---	---	---	---
MW1	06/28/88	321.44	39.16	282.28	No	---	---	---	---	---	---
MW1	07/06/88	321.44	39.73	281.71	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	07/13/88	321.44	40.22	281.22	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	08/12/88	321.44	---	---	---	---	---	---	---	---	---
MW1	08/26/88	321.44	41.90	279.54	No	---	---	---	---	---	---
MW1	09/07/88	321.44	42.27	279.17	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	12/07/88	321.44	43.94	277.50	No	---	---	---	---	---	---
MW1	12/19/88	321.44	43.70	277.74	No	---	---	---	---	---	---
MW1	02/09/89	321.44	42.53	278.91	No	---	---	---	---	---	---
MW1	03/03/89	321.44	---	---	---	<20	---	1.6	<0.5	<0.5	<0.5
MW1	03/08/89	321.44	41.96	279.48	No	---	---	---	---	---	---
MW1	04/03/89	321.44	41.59	279.85	No	---	---	---	---	---	---
MW1	04/26/89	321.44	41.67	279.77	No	---	---	---	---	---	---
MW1	06/30/89	321.44	43.79	277.65	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	07/17/89	321.44	44.74	276.70	No	23	---	<0.5	<0.5	<0.5	<0.5
MW1	07/18/89	321.44	44.76	276.68	No	---	---	---	---	---	---
MW1	07/19/89	321.44	44.82	276.62	No	---	---	---	---	---	---
MW1	07/20/89	321.44	44.85	276.59	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	07/21/89	321.44	44.95	276.49	No	---	---	---	---	---	---
MW1	07/26/89	321.44	45.42	276.02	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	08/02/89	321.44	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	08/03/89	321.44	46.18	275.26	No	---	---	---	---	---	---
MW1	08/17/89	321.44	47.12	274.32	No	---	---	---	---	---	---
MW1	09/13/89	321.44	49.08	272.36	No	220	---	39	0.6	<0.5	5.1
MW1	11/28/89	321.44	50.21	271.23	No	---	---	---	---	---	---
MW1	12/20/89	321.44	---	---	---	220	---	56	0.72	<0.5	0.71
MW1	01/09/90	321.44	49.31	272.13	No	---	---	---	---	---	---
MW1	01/25/90	321.44	---	---	---	57	---	18	1.6	<0.5	1.8
MW1	01/26/90	321.44	49.29	272.15	No	---	---	---	---	---	---
MW1	02/23/90	321.44	49.02a	272.42	No	---	---	---	---	---	---
MW1	02/23/90	321.44	49.02	272.42	No	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
(Page 2 of 57)

Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	02/27/90	321.44	---	---	---	55	---	3.2	2.3	<0.5	3.2
MW1	03/26/90	321.44	48.71a	272.73	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	03/26/90	321.44	48.70	272.74	No	---	---	---	---	---	---
MW1	04/18/90	321.44	48.79	272.65	No	25	---	1.1	1.6	<0.5	3.1
MW1	05/17/90	321.44	49.40	272.04	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	06/11/90	321.44	50.83	270.61	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	07/30/90	321.44	52.17	269.27	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	08/27/90	321.44	53.44	268.00	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW1	09/28/90	321.44	53.40	268.04	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	12/27/90	321.44	---	---	---	---	---	---	---	---	---
MW1	03/20/91	321.44	53.35	268.09	No	---	---	---	---	---	---
MW1	06/20/91	321.44	53.55	267.89	No	---	---	---	---	---	---
MW1	09/12/91	321.44	---	---	---	---	---	---	---	---	---
MW1	12/30/91	321.44	---	---	---	---	---	---	---	---	---
MW1	01/30/92	321.44	---	---	---	---	---	---	---	---	---
MW1	02/16/93	321.44	---	---	---	---	---	---	---	---	---
MW1	03/02/92	321.44	---	---	---	---	---	---	---	---	---
MW1	03/24/92	321.44	---	---	---	---	---	---	---	---	---
MW1	04/14/92	321.44	---	---	---	---	---	---	---	---	---
MW1	05/21/92	321.44	---	---	---	---	---	---	---	---	---
MW1	06/08/92	321.44	---	---	---	---	---	---	---	---	---
MW1	07/14/92	321.44	---	---	---	---	---	---	---	---	---
MW1	08/10/92	321.44	---	---	---	---	---	---	---	---	---
MW1	09/16/92	321.44	---	---	---	---	---	---	---	---	---
MW1	10/07/92	321.44	---	---	---	---	---	---	---	---	---
MW1	11/09/92	321.44	Dry	---	---	---	---	---	---	---	---
MW1	12/10/92	321.44	---	---	---	---	---	---	---	---	---
MW1	01/26/93	321.44	---	---	---	---	---	---	---	---	---
MW1	02/16/93	321.44	---	---	---	---	---	---	---	---	---
MW1	03/11/93	321.44	53.09	268.35	No	---	---	---	---	---	---
MW1	04/12/93	321.44	53.32	268.12	No	---	---	---	---	---	---
MW1	06/01/93	321.44	53.40	268.04	No	---	---	---	---	---	---
MW1	07/15/93	321.44	59.80	261.64	No	---	---	---	---	---	---
MW1	08/15/93	321.44	53.45	267.99	No	---	---	---	---	---	---
MW1	09/29/93	321.44	53.43	268.01	No	---	---	---	---	---	---
MW1	09/30/93	321.44	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	10/28/93	321.44	53.38	268.06	No	---	---	---	---	---	---
MW1	11/23/93	321.44	53.46	267.98	No	---	---	---	---	---	---
MW1	11/24/93	321.44	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	03/10-11/94	321.44	53.46	267.98	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	05/04-05/94	321.44	53.34	268.10	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	09/01/94 e	321.44	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	11/16/94	321.44	52.09	269.35	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	02/15/95	321.44	49.41	272.03	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	05/09/95	321.44	39.97	281.47	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	08/21/95	321.44	40.68	280.76	No	<50	<2.5	<0.5	0.83	<0.5	<0.5
MW1	11/30/95	321.44	38.99	282.45	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW1	03/28/96	321.44	35.70	285.74	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW1	05/31/96	321.44	34.17	287.27	No	52	<5.0	<0.5	<0.5	<0.5	<0.5
MW1	08/28/96	321.44	38.37	283.07	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW1	11/18/96	321.44	38.40	283.04	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW1	02/28/97	321.44	33.29	288.15	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW1	05/23/97	321.44	33.63	287.81	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW1	09/23/97	321.44	38.05	283.39	No	<50	29	<0.5	<0.5	<0.5	<0.5
MW1	12/30/97	321.44	36.74	284.70	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW1	03/24/98	321.44	31.65	289.79	No	<50	16	1.4	2.5	<0.5	1.4
MW1	06/15/98	321.44	29.28	292.16	No	<50	22	<0.5	<0.5	<0.5	<0.5
MW1	09/11/98	321.44	34.94	286.50	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW1	12/09/98	321.44	31.14	290.30	No	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW1	03/31/99	321.44	28.10	293.34	No	<50	124/131f	<0.5	<0.5	<0.5	<0.5
MW1	06/30/99	321.44	33.94	287.50	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW1	08/03/99	321.44	37.94	283.50	No	---	---	---	---	---	---
MW1	09/24/99	320.52	44.92	275.60	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW1	12/22/99	320.52	9.93	310.59	No	<50	990f	1.9	1.4	1.5	7.3
MW1	01/21/00	320.52	39.35	281.17	No	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW1	04/04/00	320.52	34.70	285.82	No	<50	<1	<1	<1	<1	<1
MW1	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW1	06/28/00	320.52	39.72	280.80	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW1	09/26/00	320.52	43.26	277.26	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW1	12/28/00	320.52	42.90	277.62	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW1	03/28/01	320.52	42.36	278.16	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW1	06/25/01	320.52	45.51	275.01	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW1	09/26/01	320.52	53.21	267.31	No	<50	<2.5	3.0	4.4	1.2	5.2
MW1	12/17/01	320.52	53.21	267.31	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW1	03/18/02	320.52	52.31	268.21	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	06/17/02	320.52	52.67	267.85	No	---	---	---	---	---	---
MW1	06/18/02	320.52	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/16/02	320.52	53.46	267.06	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	12/17/02	320.52	53.53	266.99	No	---	---	---	---	---	---
MW1	03/28/03	320.52	Dry	---	---	---	---	---	---	---	---
MW1	06/16/03	320.52	53.23	267.29	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/22/03	320.52	Dry	---	---	---	---	---	---	---	---
MW1	12/22/03	320.52	53.52	267.00	No	---	---	---	---	---	---
MW1	03/23/04	320.52	53.45	267.07	No	---	---	---	---	---	---
MW1	06/21/04	320.52	53.47	267.05	No	---	---	---	---	---	---
MW1	06/22/04	320.52	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW1	09/20/04	320.52	53.63	266.89	No	---	---	---	---	---	---
MW1	09/21/04	320.52	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	12/20/04	320.52	53.62	266.90	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/28/05	320.52	50.48	270.04	No	---	---	---	---	---	---
MW1	03/29/05	320.52	---	---	---	<50	1.70	<0.5	<0.5	<0.5	<0.5
MW1	06/20/05	320.52	43.40	277.12	No	---	---	---	---	---	---
MW1	06/21/05	320.52	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/25/05	320.52	43.88	276.64	No	<50	<0.5	<0.5	<0.5	1.37	8.07
MW1	12/21/05	320.52	38.80	281.72	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/21/06	320.52	28.70	291.82	No	---	---	---	---	---	---
MW1	03/22/06	320.52	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	06/22/06	320.52	26.63	293.89	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	09/19/06	320.52	28.21	292.31	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	12/19/06	320.52	23.80	296.72	No	---	---	---	---	---	---
MW1	12/20/06	320.52	---	---	---	<50.0	1.94	<0.50	<0.50	<0.50	<0.50
MW1	03/20/07	320.52	17.67	302.85	No	---	---	---	---	---	---
MW1	03/21/07	320.52	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	06/19/07	320.52	26.13	294.39	No	---	---	---	---	---	---
MW1	06/20/07	320.52	---	---	---	<50.0	<0.500	0.63	<0.50	<0.50	2.12
MW1	09/18/07	320.52	25.47	295.05	No	---	---	---	---	---	---
MW1	09/19/07	320.52	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	12/26/07	320.52	19.30	301.22	No	---	---	---	---	---	---
MW1	12/27/07	320.52	---	---	---	<50.0	0.500	<0.50	<0.50	<0.50	<0.50
MW1	03/26/08	320.52	20.35	300.17	No	---	---	---	---	---	---
MW1	03/27/08	320.52	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	06/25/08	320.52	26.40	294.12	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	09/17/08	n	31.40	289.12	No	<50	0.73	<0.50	<0.50	<0.50	<0.50
MW1	12/22/08	n	28.64	291.88	No	<50	1.7	<0.50	<0.50	<0.50	<0.50
MW1	03/02/09	n	24.80	295.72	No	95	0.20o	<0.50	<0.50	<0.50	<1.0
MW1	06/24/09	n	29.80	290.72	No	<50	0.25o	<0.50	<0.50	<0.50	<1.0
MW1	11/09/09	n	35.44	285.08	No	<50	1.4	<0.50	<0.50	<0.50	<1.0







**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	01/30/92	321.56	Dry	---	---	---	---	---	---	---	---
MW4	03/02/92	321.56	53.83	267.73	No	---	---	---	---	---	---
MW4	03/24/92	321.56	53.73	267.83	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	04/14/92	321.56	53.76	267.80	No	---	---	---	---	---	---
MW4	05/21/92	321.56	54.73	266.83	No	---	---	---	---	---	---
MW4	06/08/92	321.56	53.80	267.76	No	---	---	---	---	---	---
MW4	07/14/92	321.56	53.60	267.96	No	---	---	---	---	---	---
MW4	08/10/92	321.56	53.71	267.85	No	---	---	---	---	---	---
MW4	09/16/92	321.56	53.89	267.67	No	---	---	---	---	---	---
MW4	10/07/92	321.56	Dry	---	---	---	---	---	---	---	---
MW4	11/09/92	321.56	Dry	---	---	---	---	---	---	---	---
MW4	12/10/92	321.56	53.83	267.73	No	600	---	57	34	11	200
MW4	01/26/93	321.56	Dry	---	---	---	---	---	---	---	---
MW4	02/16/93	321.56	53.64	267.92	No	---	---	---	---	---	---
MW4	03/11/93	321.56	53.54	268.02	No	---	---	---	---	---	---
MW4	04/12/93	321.56	53.62	267.94	No	360	---	20	10	22	80
MW4	06/01/93	321.56	53.52	268.04	No	---	---	---	---	---	---
MW4	07/15/93	321.56	53.80	267.76	No	---	---	---	---	---	---
MW4	08/15/93	321.56	53.65	267.91	No	---	---	---	---	---	---
MW4	09/29/93	321.56	54.23	267.33	No	---	---	---	---	---	---
MW4	09/30/93	321.56	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	10/28/93	321.56	53.54	268.02	No	---	---	---	---	---	---
MW4	11/23/93	321.56	53.57	267.99	No	---	---	---	---	---	---
MW4	11/24/93	321.56	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	03/10-11/94	321.56	53.64	267.92	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	05/04-05/94	321.56	53.54	268.02	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	09/01/94 e	321.56	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	11/16/94	321.56	52.96	268.60	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	02/15/95	321.56	50.37	271.19	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	05/09/95	321.56	44.86	276.70	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	08/21/95	321.56	41.71	279.85	No	<50	2.6	<0.5	<0.5	<0.5	<0.5
MW4	11/30/95	321.56	39.95	281.61	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW4	03/28/96	321.56	36.76	284.80	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW4	05/31/96	321.56	35.19	286.37	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW4	08/28/96	321.56	39.39	282.17	No	---	---	---	---	---	---
MW4	11/18/96	321.56	39.42	282.14	No	---	---	---	---	---	---
MW4	02/28/97	321.56	34.38	287.18	No	---	---	---	---	---	---
MW4	05/23/97	321.56	34.66	286.90	No	---	---	---	---	---	---
MW4	09/23/97	321.56	39.05	282.51	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	12/30/97	321.56	37.78	283.78	No	---	---	---	---	---	---
MW4	03/24/98	321.56	---	---	---	---	---	---	---	---	---
MW4	06/15/98	321.56	30.32	291.24	No	---	---	---	---	---	---
MW4	09/11/98	321.56	35.97	285.59	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW4	12/09/98	321.56	32.93	288.63	No	---	---	---	---	---	---
MW4	03/31/99	321.56	29.71	291.85	No	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW4	06/30/99	321.56	34.99	286.57	No	<50	2.65/3.12f,h	<0.5	<0.5	<0.5	<0.5
MW4	08/03/99	321.56	38.52	283.04	No	---	---	---	---	---	---
MW4	09/24/99	321.56	42.93	278.63	No	<50	1.12f	<0.5	<0.5	<0.5	<0.5
MW4	12/22/99	321.56	---	---	---	---	---	---	---	---	---
MW4	04/04/00	321.56	---	---	---	---	---	---	---	---	---
MW4	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW4	06/28/00	321.56	---	---	---	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW4	09/26/00	321.56	44.24	277.32	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW4	12/28/00	321.56	43.92	277.64	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW4	03/28/01	321.56	43.39	278.17	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW4	06/25/01	321.56	46.56	275.00	No	<50	<2.5	<0.5	<0.5	<0.5	0.66
MW4	09/26/01	321.56	53.51	268.05	No	<50	<2.5	<0.5	0.69	<0.5	0.96
MW4	12/17/01	321.56	53.51	268.05	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW4	03/18/02	321.56	53.28	268.28	No	---	---	---	---	---	---
MW4	03/19/02	321.56	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	06/17/02	321.56	53.57	267.99	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	09/16/02	321.56	53.63	267.93	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW4	12/17/02	321.56	53.68	267.88	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	03/28/03	321.56	53.70	267.86	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	06/16/03	321.56	53.56	268.00	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	09/22/03	321.56	53.69	267.87	No	<50	<0.5	<0.5	1.0	<0.5	0.8
MW4	12/22/03	321.56	53.66	267.90	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	03/23/04	321.56	53.61	267.95	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	06/21/04	321.56	53.64	267.92	No	---	---	---	---	---	---
MW4	06/22/04	321.56	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW4	09/20/04	321.56	53.75	267.81	No	---	---	---	---	---	---
MW4	09/21/04	321.56	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	12/20/04	321.56	53.67	267.89	No	<50	<0.5	<0.5	0.5	<0.5	<0.5
MW4	03/28/05	321.56	51.62	269.94	No	<50	1.10	<0.5	<0.5	<0.5	<0.5
MW4	06/20/05	321.56	44.40	277.16	No	---	---	---	---	---	---
MW4	09/25/05	321.56	44.92	276.64	No	---	---	---	---	---	---
MW4	09/26/05	321.56	---	---	---	<50	<0.5	0.57	<0.5	<0.5	1.20
MW4	12/21/05	321.56	39.81	281.75	No	<50	<0.5	<0.5	<0.5	<0.5	0.76

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	03/21/06	321.56	29.66	291.90	No	---	---	---	---	---	---
MW4	03/22/06	321.56	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	06/22/06	321.56	25.21	296.35	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	09/19/06	321.56	29.24	292.32	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	12/19/06	321.56	24.88	296.68	No	---	---	---	---	---	---
MW4	12/20/06	321.56	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	03/20/07	321.56	18.70	302.86	No	---	---	---	---	---	---
MW4	03/21/07	321.56	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	06/19/07	321.56	27.17	294.39	No	---	---	---	---	---	---
MW4	06/20/07	321.56	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	09/18/07	321.56	26.60	294.96	No	<50.0	<0.500	<0.50	<0.50	<0.50	0.51
MW4	12/26/07	321.56	20.34	301.22	No	---	---	---	---	---	---
MW4	12/27/07	321.56	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	03/26/08	321.56	21.45	300.11	No	---	---	---	---	---	---
MW4	03/27/08	321.56	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	06/25/08	321.56	27.55	294.01	No	---	---	---	---	---	---
MW4	06/26/08	321.56	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	09/17/08	321.56	32.44	289.12	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	12/22/08	n 321.56	29.69	291.87	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	03/02/09	n 321.56	25.84	295.72	No	110	0.10o	<0.50	<0.50	<0.50	<1.0
MW4	06/24/09	n 321.56	30.73	290.83	No	<50	0.26o	<0.50	<0.50	<0.50	<1.0
MW4	11/09/09	n 321.56	36.55	285.01	No	<50	0.33o	<0.50	<0.50	<0.50	<1.0
MW4	06/01/10	n 321.56	32.08	289.48	No	<50	0.54	<0.50	<0.50	<0.50	0.37o
MW4	10/26/10	n 321.56	36.63	284.93	No	<50	0.39o	<0.50	<0.50	<0.50	<1.0
MW4	06/09/11	321.56	32.11	289.45	No	<50	4.5	<0.50	<0.50	<0.50	0.97
<b>MW4</b>	<b>11/15/11</b>	<b>321.56</b>	<b>34.07</b>	<b>287.49</b>	<b>No</b>	<b>&lt;50</b>	<b>4.6</b>	<b>0.85</b>	<b>0.98</b>	<b>2.3</b>	<b>4.2</b>
MW5D	05/25/88	321.79	38.55	283.24	No	<20	---	<0.5	3.1	<0.5	<0.5
MW5D	06/06/88	321.79	38.90	282.89	No	---	---	---	---	---	---
MW5D	06/23/88	321.79	39.56	282.23	No	---	---	---	---	---	---
MW5D	06/28/88	321.79	40.23	281.56	No	---	---	---	---	---	---
MW5D	07/06/88	321.79	40.69	281.10	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5D	07/13/88	321.79	41.22	280.57	No	40	---	<0.5	<0.5	<0.5	<0.5
MW5D	08/12/88	321.79	42.34	279.45	No	---	---	---	---	---	---
MW5D	08/26/88	321.79	42.60	279.19	No	---	---	---	---	---	---
MW5D	09/07/88	321.79	42.99	278.80	No	---	---	---	---	---	---
MW5D	12/07/88	321.79	44.58	277.21	No	---	---	---	---	---	---
MW5D	02/09/89	c 321.79	---	---	---	---	---	---	---	---	---
MW5D	03/08/89	d 321.79	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5



**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5D	08/10/92	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	09/16/92	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	10/07/92	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	11/09/92	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	12/10/92	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	01/26/93	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	02/16/93	321.79	76.47	245.32	No	---	---	---	---	---	---
MW5D	03/11/93	321.79	74.03	247.76	No	---	---	---	---	---	---
MW5D	04/12/93	321.79	70.96	250.83	No	<50	---	1.0	1.0	2.5	7.4
MW5D	06/01/93	321.79	67.64	254.15	No	---	---	---	---	---	---
MW5D	07/15/93	321.79	54.40	267.39	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	08/15/93	321.79	67.85	253.94	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	09/29/93	321.79	67.62	254.17	No	---	---	---	---	---	---
MW5D	09/30/93	321.79	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	10/28/93	321.79	66.15	255.64	No	---	---	---	---	---	---
MW5D	11/23/93	321.79	64.80	256.99	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	03/10-11/94	321.79	59.10	262.69	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	05/04-05/94	321.79	55.66	266.13	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	09/01/94 e	321.79	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	11/16/94	321.79	54.36	267.43	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	02/15/95	321.79	51.20	270.59	No	---	---	---	---	---	---
MW5D	05/09/95	321.79	45.49	276.30	No	---	---	---	---	---	---
MW5D	05/12/95	321.79	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	08/21/95	321.79	42.35	279.44	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	11/30/95	321.79	43.60	278.19	No	77	<5.0	5.4	10	1.4	12
MW5D	03/28/96	321.79	37.12	284.67	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5D	05/31/96	321.79	35.67	286.12	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5D	08/28/96	321.79	40.22	281.57	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5D	11/18/96	321.79	39.89	281.90	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5D	02/28/97	321.79	34.75	287.04	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D D	02/28/97	321.79	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D R	02/28/97	321.79	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	05/23/97	321.79	35.21	286.58	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D D	05/23/97	321.79	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D R	05/23/97	321.79	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	09/23/97	321.79	39.58	282.21	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D D	09/23/97	321.79	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D R	09/23/97	321.79	---	---	---	<50	3.0	<0.5	1.5	<0.5	<0.5
MW5D	12/30/97	321.79	38.30	283.49	No	<50	---	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5D D	12/30/97	321.79	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D R	12/30/97	321.79	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5D	03/24/98	321.79	32.77	289.02	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	06/15/98	321.79	30.69	291.10	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D D	06/15/98	321.79	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	09/11/98	321.79	36.68	285.11	No	<50	33	<0.5	<0.5	<0.5	<0.5
MW5D D	09/11/98	321.79	---	---	---	<50	35	<0.5	<0.5	<0.5	<0.5
MW5D	10/28/98	321.79	---	---	---	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW5D	12/09/98	321.79	32.70	289.09	No	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW5D D	12/09/98	321.79	---	---	---	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW5D R	12/09/98	321.79	---	---	---	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW5D	03/31/99	321.79	28.91	292.88	No	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW5D D	03/31/99	321.79	---	---	---	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW5D	06/30/99	321.79	35.90	285.89	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D D	06/30/99	321.79	---	---	---	<50	3.3/<0.5f,h	<0.5	<0.5	<0.5	<0.5
MW5D R	06/30/99	321.79	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	08/03/99	321.79	40.39	281.40	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5D D	08/03/99	321.79	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5D	09/24/99	321.79	44.25	277.54	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5D D	09/24/99	321.79	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5D R	09/24/99	321.79	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5D	12/22/99	321.79	38.51	283.28	No	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW5D D	12/22/99	321.79	---	---	---	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW5D	04/04/00	321.79	30.05	291.74	No	<50	<1	<1	<1	<1	<1
MW5D	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW5D	06/28/00	321.79	42.00	279.79	No	<50	1.47f	<0.5	<0.5	<0.5	<0.5
MW5D	09/26/00	321.79	45.05	276.74	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW5D	12/28/00	321.79	44.44	277.35	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW5D	03/28/01	321.80	43.90	277.90	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW5D	06/25/01	321.80	48.19	273.61	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	09/26/01	321.80	55.78	266.02	No	<50	<2.5	1.3	1.9	0.55	2.7
MW5D	12/17/01	321.79	55.89	265.90	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5D	03/18/02	321.79	54.60	267.19	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	06/17/02	321.79	54.92	266.87	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	09/16/02	321.79	59.66	262.13	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5D	12/17/02	321.79	61.56	260.23	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	03/28/03	321.79	58.90	262.89	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	06/16/03	321.79	55.73	266.06	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	09/22/03	321.79	60.57	261.22	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5D	12/22/03	321.79	60.24	261.55	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	03/23/04	321.79	58.65	263.14	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	06/21/04	321.79	57.54	264.25	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5D	09/20/04	321.79	61.56	260.23	No	<50	<0.5	<0.5	6.1	0.9	6.8
MW5D	12/20/04	321.79	58.58	263.21	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	03/28/05	321.79	51.25	270.54	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	06/20/05	321.79	44.76	277.03	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	09/25/05	321.79	45.28	276.51	No	---	---	---	---	---	---
MW5D	09/26/05	321.79	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	0.66
MW5D	12/21/05	321.79	39.90	281.89	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	03/21/06	321.79	29.76	292.03	No	<50	<0.5	<0.50	<0.50	<0.50	<0.50
MW5D	06/22/06	321.79	25.51	296.28	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5D	09/19/06	321.79	29.56	292.23	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5D	12/19/06	321.79	25.19	296.60	No	---	---	---	---	---	---
MW5D	12/20/06	321.79	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5D	03/20/07	321.79	18.96	302.83	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5D	06/19/07	321.79	27.88	293.91	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5D	09/18/07	321.79	26.73	295.06	No	---	---	---	---	---	0.65
MW5D	09/19/07	321.79	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	0.52
MW5D	12/26/07	321.79	20.60	301.19	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5D	03/26/08	321.79	21.78	300.01	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5D	06/25/08	321.79	28.20	293.59	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	09/17/08	321.79	33.09	288.70	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	12/22/08	321.79	29.92	291.87	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	03/02/09	321.79	26.30	295.49	No	490	<0.50	<0.50	<0.50	<0.50	<1.0
MW5D	06/24/09	321.79	31.27	290.52	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW5D	11/09/09	321.79	36.79	285.00	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW5D	06/01/10	321.79	32.47	289.32	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW5D	10/26/10	n 321.79	36.58	285.21	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW5D	06/09/11	321.79	31.65	290.14	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
<b>MW5D</b>	<b>11/15/11</b>	<b>321.79</b>	<b>34.36</b>	<b>287.43</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW5D</b>	<b>11/16/11</b>	<b>321.79</b>	<b>---</b>	<b>---</b>	<b>---</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>
MW5S	05/25/88	321.64	38.46	283.18	No	<20	---	<0.5	0.9	<0.5	<0.5
MW5S	06/06/88	321.64	38.86	282.78	No	---	---	---	---	---	---
MW5S	06/23/88	321.64	39.52	282.12	No	---	---	---	---	---	---
MW5S	06/28/88	321.64	39.84	281.80	No	---	---	---	---	---	---
MW5S	07/06/88	321.64	40.45	281.19	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	07/13/88	321.64	40.90	280.74	No	<20	---	<0.5	<0.5	<0.5	<0.5

**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5S	07/22/88	321.64	41.30	280.34	No	50	---	0.9	4.1	1.3	8.7
MW5S	08/05/88	321.64	23.84b	297.80	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	08/12/88	321.64	42.21	279.43	No	---	---	---	---	---	---
MW5S	08/26/88	321.64	42.55	279.09	No	---	---	---	---	---	---
MW5S	09/07/88	321.64	42.94	278.70	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	12/07/88	321.64	44.67	276.97	No	---	---	---	---	---	---
MW5S	02/09/89	321.64	43.19	278.45	No	---	---	---	---	---	---
MW5S	03/08/89	321.64	42.11	279.53	No	<20	---	<0.5	<0.5	<0.5	<1.0
MW5S	04/26/89	321.64	41.84	279.80	No	---	---	---	---	---	---
MW5S	06/30/89	321.64	43.95	277.69	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	07/17/89	321.64	44.91	276.73	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	07/18/89	321.64	44.93	276.71	No	---	---	---	---	---	---
MW5S	07/19/89	321.64	44.98	276.66	No	---	---	---	---	---	---
MW5S	07/20/89	321.64	45.02	276.62	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	07/21/89	321.64	45.10	276.54	No	---	---	---	---	---	---
MW5S	07/26/89	321.64	45.57	276.07	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	08/02/89	321.64	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	08/03/89	321.64	46.31	275.33	No	---	---	---	---	---	---
MW5S	08/17/89	321.64	47.25	274.39	No	---	---	---	---	---	---
MW5S	09/13/89	321.64	49.22	272.42	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	11/28/89	321.64	50.39	271.25	No	---	---	---	---	---	---
MW5S	12/20/89	321.64	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	01/09/90	321.64	49.51	272.13	No	---	---	---	---	---	---
MW5S	01/26/90	321.64	49.40	272.24	No	---	---	---	---	---	---
MW5S	02/23/90	321.64	49.20a	272.44	No	---	---	---	---	---	---
MW5S	02/23/90	321.64	49.20	272.44	No	---	---	---	---	---	---
MW5S	03/26/90	321.64	48.89a	272.75	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW5S	03/26/90	321.64	48.88	272.76	No	---	---	---	---	---	---
MW5S	04/18/90	321.64	48.95	272.69	No	---	---	---	---	---	---
MW5S	05/17/90	321.64	50.06	271.58	No	---	---	---	---	---	---
MW5S	06/11/90	321.64	50.98	270.66	No	---	---	---	---	---	---
MW5S	07/30/90	321.64	53.40	268.24	No	---	---	---	---	---	---
MW5S	08/01/90	321.64	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	08/27/90	321.64	53.60	268.04	No	---	---	---	---	---	---
MW5S	09/28/90	321.64	53.55	268.09	No	---	---	---	---	---	---
MW5S	12/27/90	321.64	53.61	268.03	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	03/20/91	321.64	53.56	268.08	No	---	---	---	---	---	---
MW5S	06/20/91	321.64	53.73	267.91	No	---	---	---	---	---	---
MW5S	09/12/91	321.64	53.78	267.86	No	---	---	---	---	---	---

TABLE 1A  
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA  
 Former Exxon Service Station 73399  
 2991 Hopyard Road  
 Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5S	12/30/91	321.64	53.80	267.84	No	---	---	---	---	---	---
MW5S	01/30/92	321.64	53.82	267.82	No	---	---	---	---	---	---
MW5S	03/02/92	321.64	53.82	267.82	No	---	---	---	---	---	---
MW5S	04/14/92	321.64	53.74	267.90	No	---	---	---	---	---	---
MW5S	05/21/92	321.64	53.77	267.87	No	---	---	---	---	---	---
MW5S	06/08/92	321.64	53.81	267.83	No	---	---	---	---	---	---
MW5S	07/14/92	321.64	53.74	267.90	No	---	---	---	---	---	---
MW5S	08/10/92	321.64	53.78	267.86	No	---	---	---	---	---	---
MW5S	09/16/92	321.64	53.90	267.74	No	---	---	---	---	---	---
MW5S	10/07/92	321.64	Dry	---	---	---	---	---	---	---	---
MW5S	11/09/92	321.64	53.87	267.77	No	---	---	---	---	---	---
MW5S	12/10/92	321.64	53.78	267.86	No	---	---	---	---	---	---
MW5S	01/26/93	321.64	53.38	268.26	No	---	---	---	---	---	---
MW5S	02/16/93	321.64	53.44	268.20	No	---	---	---	---	---	---
MW5S	03/11/93	321.64	53.28	268.36	No	---	---	---	---	---	---
MW5S	04/12/93	321.64	53.42	268.22	No	220	---	11	5.9	13	48
MW5S	06/01/93	321.64	53.56	268.08	No	---	---	---	---	---	---
MW5S	07/15/93	321.64	53.00	268.64	No	---	---	---	---	---	---
MW5S	08/15/93	321.64	53.60	268.04	No	---	---	---	---	---	---
MW5S	09/29/93	321.64	53.62	268.02	No	---	---	---	---	---	---
MW5S	09/30/93	321.64	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	10/28/93	321.64	54.62	267.02	No	---	---	---	---	---	---
MW5S	11/23/93	321.64	53.62	268.02	No	---	---	---	---	---	---
MW5S	03/10-11/94	321.64	53.61	268.03	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	05/04-05/94	321.64	53.52	268.12	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	09/01/94 e	321.64	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	11/16/94	321.64	53.05	268.59	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	09/01/94	321.64	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	11/16/94	321.64	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	02/15/95	321.64	50.55	271.09	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	05/09/95	321.64	44.96	276.68	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	08/21/95	321.64	41.77	279.87	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	11/30/95	321.64	39.95	281.69	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5S	03/28/96	321.64	36.80	284.84	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5S	05/31/96	321.64	35.28	286.36	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5S	08/28/96	321.64	39.46	282.18	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5S	11/18/96	321.64	39.47	282.17	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW5S	02/28/97	321.64	34.44	287.20	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	05/23/97	321.64	34.72	286.92	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5S	09/23/97	321.64	39.09	282.55	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	12/30/97	321.64	37.83	283.81	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW5S	03/24/98	321.64	32.76	288.88	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	06/15/98	321.64	30.46	291.18	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	09/11/98	321.64	36.04	285.60	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	12/09/98	321.64	33.00	288.64	No	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW5S	03/31/99	321.64	29.20	292.44	No	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW5S	06/30/99	321.64	35.08	286.56	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	08/03/99	321.64	38.62	283.02	No	---	---	---	---	---	---
MW5S	09/24/99	320.52	42.89	277.63	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5S	12/22/99	320.52	42.05	278.47	No	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW5S	04/04/00	320.52	35.91	284.61	No	<50	<1	<1	<1	<1	<1
MW5S	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW5S	06/28/00	320.52	40.75	279.77	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW5S	09/26/00	320.52	44.34	276.18	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW5S	12/28/00	320.52	43.95	276.57	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW5S	03/28/01	320.52	43.41	277.11	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW5S	06/25/01	320.52	46.58	273.94	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	09/26/01	320.52	53.47	267.05	No	<50	<2.5	1.8	2.8	0.94	4.4
MW5S	12/17/01	320.52	53.52	267.00	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW5S	03/18/02	320.52	53.25	267.27	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	06/17/02	320.52	53.49	267.03	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	09/16/02	320.52	53.62	266.90	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW5S	12/17/02	320.52	53.67	266.85	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	03/28/03	320.52	53.60	266.92	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	06/16/03	320.52	53.49	---	No	---	---	---	---	---	---
MW5S	09/22/03	320.52	Dry	---	---	---	---	---	---	---	---
MW5S	12/22/03	320.52	53.63	266.89	No	---	---	---	---	---	---
MW5S	03/23/04	320.52	53.61	266.91	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	06/21/04	320.52	53.57	266.95	No	<50	<0.5f	<0.5	1.0	<0.5	1.4
MW5S	09/20/04	j	53.80	266.92	No	<50	<0.5	<0.5	2.2	<0.5	2.2
MW5S	12/20/04	j	53.79	266.73	No	<50	<0.5	<0.5	0.8	<0.5	1.0
MW5S	03/28/05	320.52	51.76	268.76	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	06/20/05	320.52	44.50	276.02	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	09/25/05	320.52	44.97	275.55	No	---	---	---	---	---	---
MW5S	09/26/05	320.52	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	0.52
MW5S	12/21/05	320.52	39.83	280.69	No	<50	<0.5	<0.5	<0.5	<0.5	0.76
MW5S	03/21/06	320.52	29.57	290.95	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	06/22/06	320.52	25.26	295.26	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW5S	09/19/06	320.52	29.31	291.21	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5S	12/19/06	320.52	25.01	295.51	No	---	---	---	---	---	---
MW5S	12/20/06	320.52	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5S	03/20/07	320.52	18.77	301.75	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5S	06/19/07	320.52	27.25	293.27	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5S	09/18/07	320.52	26.54	293.98	No	---	---	---	---	---	---
MW5S	09/19/07	320.52	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5S	12/26/07	320.52	20.50	300.02	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5S	03/26/08	320.52	21.47	299.05	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW5S	06/25/08	320.52	27.49	293.03	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	09/17/08	320.52	32.55	287.97	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	12/22/08	320.52	29.71	290.81	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	03/02/09	320.52	26.09	294.43	No	<50	0.13o	<0.50	<0.50	<0.50	<1.0
MW5S	06/24/09	320.52	30.70	289.82	No	<50	0.29o	<0.50	<0.50	<0.50	<1.0
MW5S	11/09/09	320.52	36.50	284.02	No	<50	0.31o	0.15o,p	0.27o	0.28o	0.91o
MW5S	06/01/10	320.52	32.17	288.35	No	<50	0.17o	<0.50	<0.50	<0.50	<1.0
MW5S	10/26/10	n 320.52	36.93	283.59	No	<50	0.16o	<0.50	<0.50	<0.50	<1.0
MW5S	06/09/11	320.52	31.40	289.12	No	<50	<0.50	<0.50	<0.50	<0.50	0.66
<b>MW5S</b>	<b>11/15/11</b>	<b>320.52</b>	<b>34.11</b>	<b>286.41</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW5S</b>	<b>11/16/11</b>	<b>320.52</b>	<b>---</b>	<b>---</b>	<b>---</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>0.55</b>
MW6	05/11/88	---	37.31	---	No	---	---	---	---	---	---
MW6	05/17/88	---	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW6	06/06/88	---	38.70	---	No	---	---	---	---	---	---
MW6	06/23/88	---	39.23	---	No	---	---	---	---	---	---
MW6	06/28/88	---	39.74	---	No	440	---	31.8	7.5	5.4	6.7
MW6	07/13/88	---	40.78	---	No	290	---	162.3	7.7	22.5	14.1
MW6	08/05/88	---	41.72	---	No	1,180	---	245	5.2	47.1	23.7
MW6	08/12/88	---	42.14	---	No	---	---	---	---	---	---
MW6	08/17/88	---	---	---	---	---	---	---	---	---	---
MW6	08/26/88	---	42.51	---	No	---	---	---	---	---	---
MW6	09/07/88	---	42.85	---	No	2,920	---	474	16	262	136
MW6	10/24/88	Well destroyed.									
MW7	07/13/88	321.27	40.50	280.77	No	16,700	---	860	1,910	710	4,420
MW7	07/22/88	321.27	41.85a	279.42	No	460	---	136	85	5	58
MW7	08/05/88	321.27	41.45a	279.82	No	270	---	73.3	52.8	2.3	28.1
MW7	08/12/88	321.27	42.69	278.58	---	---	---	---	---	---	---
MW7	09/07/88	321.27	42.60	278.67	---	---	---	---	---	---	---

**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW7	12/07/88	321.27	---	---	---	---	---	---	---	---	---
MW7	01/17/89	321.27	43.20	278.07	---	---	---	---	---	---	---
MW7	02/09/89	321.27	---	---	---	6,700	---	---	---	---	---
MW7	06/30/89	321.27	---	---	---	1,100	---	600	688	10	448
MW7	08/02/89	321.27	---	---	---	31	---	180	50	13	40
MW7	09/13/89	321.27	---	---	---	87	---	1.6	<0.5	<0.5	0.6
MW7	10/12/89	321.27	49.93	271.34	No	---	---	<0.5	2.6	<0.5	12
MW7	11/28/89	321.27	57.61a	263.66	No	---	---	---	---	---	---
MW7	12/20/89	321.27	---	---	---	<20	---	---	---	---	---
MW7	01/09/90	321.27	57.57a	263.70	No	---	---	<0.5	<0.5	<0.5	<0.5
MW7	01/26/90	321.27	57.54a	263.73	No	---	---	---	---	---	---
MW7	01/26/90	321.27	49.08	272.19	No	---	---	---	---	---	---
MW7	02/23/90	321.27	55.26a	266.01	No	---	---	---	---	---	---
MW7	02/23/90	321.27	48.93	272.34	No	---	---	---	---	---	---
MW7	03/26/90	321.27	57.52a	263.75	No	---	---	---	---	---	---
MW7	03/26/90	321.27	48.60	272.67	No	---	---	---	---	---	---
MW7	04/18/90	321.27	57.55a	263.72	No	---	---	---	---	---	---
MW7	05/17/90	321.27	57.40a	263.87	No	---	---	---	---	---	---
MW7	06/11/90	321.27	50.68	270.59	No	---	---	---	---	---	---
MW7	07/30/90	321.27	---	---	---	---	---	---	---	---	---
MW7	08/27/90	321.27	53.05	268.22	No	---	---	---	---	---	---
MW7	09/28/90	321.27	---	---	---	---	---	---	---	---	---
MW7	12/27/90	321.27	---	---	---	---	---	---	---	---	---
MW7	03/20/91	321.27	54.11	267.16	No	---	---	---	---	---	---
MW7	06/20/91	321.27	55.14	266.13	No	74	---	<0.5	1.8	0.6	4.1
MW7	09/12/91	321.27	55.84	265.43	No	<50	---	3.5	<0.5	1.7	6.8
MW7	12/30/91	321.27	55.21	266.06	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	01/30/92	321.27	54.88	266.39	No	---	---	---	---	---	---
MW7	03/02/92	321.27	---	---	---	---	---	---	---	---	---
MW7	03/24/92	321.27	---	---	---	---	---	---	---	---	---
MW7	04/14/92	321.27	---	---	---	---	---	---	---	---	---
MW7	05/21/92	321.27	53.36	267.91	No	---	---	---	---	---	---
MW7	06/08/92	321.27	54.20	267.07	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	07/14/92	321.27	53.31	267.96	No	---	---	---	---	---	---
MW7	08/10/92	321.27	54.01	267.26	No	---	---	---	---	---	---
MW7	09/16/92	321.27	55.97	265.30	No	---	---	---	---	---	---
MW7	10/07/92	321.27	56.09	265.18	No	---	---	---	---	---	---
MW7	11/09/92	321.27	54.16	267.11	No	---	---	---	---	---	---
MW7	12/10/92	321.27	56.02	265.25	No	---	---	---	---	---	---



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW7	06/28/00	321.27	40.46	280.81	No	<50	4.88f	<0.5	<0.5	<0.5	<0.5
MW7	09/26/00	321.27	44.00	277.27	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW7	12/28/00	321.27	44.63	276.64	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW7	03/28/01	321.27	43.04	278.23	No	<50	<2.5/1.17f	<0.5	<0.5	<0.5	<0.5
MW7	06/25/01	321.27	46.31	274.96	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW7	09/26/01	321.27	52.90	268.37	No	<50	<2.5	0.62	0.84	<0.5	<0.5
MW7	12/17/01	321.27	53.17	268.10	No	<50	<2.5	<0.5	<0.5	<0.5	1.0
MW7	03/18/02	321.27	53.10	268.17	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	06/17/02	321.27	53.12	268.15	No	<50	8.2/6.40f	<0.5	<0.5	<0.5	<0.5
MW7	09/16/02	321.27	Dry	---	---	---	---	---	---	---	---
MW7	12/17/02	321.27	54.17	267.10	No	---	---	---	---	---	---
MW7	03/28/03	321.27	54.45	266.82	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	06/16/03	321.27	53.33	267.94	No	--	---	--	--	--	--
MW7	06/17/03	321.27	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	09/22/03	321.27	54.57	266.70	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	12/22/03	321.27	54.70	266.57	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	03/23/04	321.27	54.36	266.91	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	06/21/04	321.27	53.92	267.35	No	---	---	---	---	---	---
MW7	06/22/04	321.27	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW7	09/20/04	321.27	55.09	266.18	No	---	---	---	---	---	---
MW7	09/21/04	321.27	---	---	---	<50	<0.5	<0.5	2.1	<0.5	3.6
MW7	12/20/04	321.27	54.53	266.74	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	03/28/05	321.27	51.50	269.77	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	06/20/05	321.27	44.30	276.97	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	09/25/05	321.27	44.83	276.44	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	12/21/05	321.27	39.65	281.62	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	03/21/06	321.27	29.40	291.87	No	---	---	---	---	---	---
MW7	03/22/06	321.27	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW7	06/22/06	321.27	25.06	296.21	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW7	09/19/06	321.27	29.08	292.19	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW7	12/19/06	321.27	24.66	296.61	No	---	---	---	---	---	---
MW7	12/20/06	321.27	---	---	---	<50.0	3.14	<0.50	<0.50	<0.50	<0.50
MW7	03/20/07	321.27	18.39	302.88	No	<50.0	6.81	<0.50	<0.50	<0.50	<0.50
MW7	06/19/07	321.27	26.79	294.48	No	<50.0	15.3	1.14	<0.50	<0.50	<0.50
MW7	09/18/07	321.27	26.11	295.16	No	---	---	---	---	---	---
MW7	09/19/07	321.27	---	---	---	<50.0	7.14	<0.50	<0.50	<0.50	0.51
MW7	12/26/07	321.27	20.22	301.05	No	<50.0	9.76	<0.50	<0.50	<0.50	<0.50
MW7	03/26/08	321.27	21.05	300.22	No	<50.0	10.2	<0.50	<0.50	<0.50	<0.50
MW7	06/25/08	321.27	27.20	294.07	No	<50	6.0	<0.50	<0.50	<0.50	<0.50



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW7	09/17/08	n 321.27	32.10	289.17	No	<50	2.1	<0.50	<0.50	<0.50	<0.50
MW7	12/22/08	321.27	29.40	291.87	No	<50	4.8	0.87	<0.50	<0.50	<0.50
MW7	03/02/09	n 321.27	25.70	295.57	No	<50	5.1	0.18o,p	<0.50	<0.50	<1.0
MW7	06/24/09	n 321.27	38.35	282.92	No	<50	9.9	<0.50	<0.50	<0.50	<1.0
MW7	11/09/09	321.27	36.20	285.07	No	<50	21	<0.50	<0.50	<0.50	<1.0
MW7	06/01/10	n 321.27	31.70	289.57	No	50q	50	<0.50	<0.50	<0.50	<1.0
MW7	10/26/10	n 321.27	36.28	284.99	No	100q	110	<0.50	<0.50	<0.50	<1.0
MW7	06/09/11	321.27	31.50	289.77	No	<50	40	<1.0	<1.0	<1.0	<1.0
<b>MW7</b>	<b>11/15/11</b>	<b>321.27</b>	<b>33.94</b>	<b>287.33</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW7</b>	<b>11/16/11</b>	<b>321.27</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>180q</b>	<b>180</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>	<b>&lt;1.0</b>
MW8	10/01/89	321.86	53.88	267.98	No	---	---	---	---	---	---
MW8	10/03/89	321.86	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW8	11/28/89	321.86	53.74	268.12	No	---	---	---	---	---	---
MW8	12/20/89	321.86	---	---	---	<20	---	<0.5	<0.5	<0.5	0.61
MW8	01/09/90	321.86	57.90	263.96	No	---	---	---	---	---	---
MW8	01/26/90	321.86	53.57	268.29	No	---	---	---	---	---	---
MW8	01/31/90	321.86	---	---	---	<20	---	<0.5	<0.5	<0.5	0.87
MW8	02/09/90	321.86	---	---	---	<20	---	<0.5	<0.5	<0.5	1.1
MW8	(Blank)	321.86	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW8	02/23/90	321.86	52.16	269.70	No	---	---	---	---	---	---
MW8	03/26/90	321.86	52.80a	269.06	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW8	(Blank)	321.86	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW8	04/18/90	321.86	51.60	270.26	No	<20	---	<0.5	0.58	<0.5	1.1
MW8	05/17/90	321.86	58.21	263.65	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW8	06/11/90	321.86	58.65	263.21	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW8	07/30/90	321.86	64.33	257.53	No	---	---	---	---	---	---
MW8	08/01/90	321.86	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW8	08/27/90	321.86	70.41	251.45	No	<20	---	<0.5	<0.5	<0.5	0.5
MW8	09/28/90	321.86	71.93	249.93	No	<50	---	<0.5	<0.5	<0.5	0.5
MW8	12/27/90	321.86	66.60	255.26	No	<50	---	<0.5	<0.5	<0.5	0.6
MW8	03/20/91	321.86	60.75	261.11	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	06/20/91	321.86	88.77	233.09	No	<50	---	<0.5	<0.5	<0.5	0.6
MW8	09/12/91	321.86	103.17	218.69	No	---	---	---	---	---	---
MW8	10/14/91	321.86	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	12/30/91	321.86	81.15	240.71	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	01/30/92	321.86	81.69	240.17	No	---	---	---	---	---	---
MW8	03/02/92	321.86	78.45	243.41	No	---	---	---	---	---	---
MW8	03/24/92	321.86	76.55	245.31	No	<50	---	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW8	04/14/92	321.86	75.56	246.30	No	---	---	---	---	---	---
MW8	05/21/92	321.86	86.99	234.87	No	---	---	---	---	---	---
MW8	06/08/92	321.86	91.69	230.17	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	07/14/92	321.86	94.65	227.21	No	---	---	---	---	---	---
MW8	08/10/92	321.86	95.02	226.84	No	---	---	---	---	---	---
MW8	09/16/92	321.86	91.90	229.96	No	<50	---	<0.5	0.9	<0.5	<0.5
MW8	10/07/92	321.86	Dry	---	---	---	---	---	---	---	---
MW8	11/09/92	321.86	84.35	237.51	No	---	---	---	---	---	---
MW8	12/10/92	321.86	82.20	239.66	No	<50	---	<0.5	0.6	<0.5	<0.5
MW8	01/26/93	321.86	78.63	243.23	No	---	---	---	---	---	---
MW8	02/16/93	321.86	76.90	244.96	No	<50	---	0.7	0.6	<0.5	2.3
MW8	03/11/93	321.86	74.39	247.47	No	---	---	---	---	---	---
MW8	04/12/93	321.86	71.20	250.66	No	230	---	26	7.3	11	38
MW8	06/01/93	321.86	68.04	253.82	No	---	---	---	---	---	---
MW8	07/15/93	321.86	78.05	243.81	No	---	---	---	---	---	---
MW8	08/15/93	321.86	78.45	243.41	No	---	---	---	---	---	---
MW8	09/29/93	321.86	73.64	248.22	No	---	---	---	---	---	---
MW8	09/30/93	321.86	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	10/28/93	321.86	67.53	254.33	No	---	---	---	---	---	---
MW8	11/23/93	321.86	64.68	257.18	No	---	---	---	---	---	---
MW8	11/24/93	321.86	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	03/10-11/94	321.86	59.26	262.60	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	05/04-05/94	321.86	56.84	265.02	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	09/01/94 e	321.86	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	11/16/94	321.86	55.47	266.39	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	02/15/95	321.86	52.00	269.86	No	---	---	---	---	---	---
MW8	05/09/95	321.86	46.60	275.26	No	---	---	---	---	---	---
MW8	05/12/95	321.86	---	---	---	<50	---	2.3	1.2	2.0	7.4
MW8	08/21/95	321.86	43.86	278.00	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	11/30/95	321.86	41.25	280.61	No	<50	<5.0	<0.5	<0.5	0.69	2.7
MW8	03/28/96	321.86	37.71	284.15	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW8	05/31/96	321.86	36.71	285.15	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW8	08/28/96	321.86	42.80	279.06	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW8	11/18/96	321.86	40.78	281.08	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW8	02/28/97	321.86	35.14	286.72	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8 D	02/28/97	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8 R	02/28/97	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	05/23/97	321.86	36.41	285.45	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8 D	05/23/97	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW8 R	05/23/97	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	09/23/97	321.86	41.22	280.64	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8 D	09/23/97	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8 R	09/23/97	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	12/30/97	321.86	39.81	282.05	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8 D	12/30/97	321.86	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW8 R	12/30/97	321.86	---	---	---	<50	3.2f	<0.5	0.52	<0.5	<0.5
MW8	03/24/98	321.86	31.46	290.40	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	06/15/98	321.86	31.43	290.43	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW8 D	06/15/98	321.86	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW8	09/11/98	321.86	38.73	283.13	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8 D	09/11/98	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	12/09/98	321.86	28.96	292.90	No	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW8 D	12/09/98	321.86	---	---	---	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW8 R	12/09/98	321.86	---	---	---	<50	<2.0f	<0.5	<0.5	<0.5	<0.5
MW8	03/31/99	321.86	25.05	296.81	No	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW8 D	03/31/99	321.86	---	---	---	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW8 R	03/31/99	321.86	---	---	---	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW8	06/30/99	321.86	42.62	279.24	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8 D	06/30/99	321.86	---	---	---	<50	13.1/1.18f,h	<0.5	<0.5	<0.5	<0.5
MW8 R	06/30/99	321.86	---	---	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	08/03/99	321.86	51.59	270.27	No	<50	0.672f	<0.5	<0.5	<0.5	<0.5
MW8 D	08/03/99	321.86	---	---	---	<50	0.659f	<0.5	<0.5	<0.5	<0.5
MW8 R	08/03/99	321.86	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW8	09/24/99	321.86	50.95	270.91	No	<50	0.777f	<0.5	<0.5	<0.5	<0.5
MW8 D	09/24/99	321.86	---	---	---	<50	0.776f	<0.5	<0.5	<0.5	<0.5
MW8	12/22/99	321.86	38.59	283.27	No	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW8 D	12/22/99	321.86	---	---	---	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW8 R	12/22/99	321.86	---	---	---	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW8	04/04/00	321.86	36.21	285.65	No	<50	3.3/<5f	<1	<1	<1	<1
MW8	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW8	06/28/00	321.86	46.51	275.35	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW8	09/26/00	321.86	47.55	274.31	No	<50	<1f	<0.5	<0.5	<0.5	0.528
MW8	12/28/00	321.86	45.68	276.18	No	<50	<2f	1.03	1.25	<0.5	1.76
MW8	03/28/01	321.86	45.40	276.46	No	<50	<2.5/1.00f	<0.5	<0.5	<0.5	<0.5
MW8	06/25/01	321.86	57.84	264.02	No	<50	<2.5	0.71	1.0	<0.5	1.4
MW8	09/26/01	321.86	60.08	261.78	No	<50	<2.5	<0.5	0.53	<0.5	0.75
MW8	12/17/01	321.86	61.24	260.62	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW8	03/18/02	321.86	57.53	264.33	No	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW8	03/19/02	321.86	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	06/17/02	321.86	58.25	263.61	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	09/16/02	321.86	70.68	251.18	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW8	12/17/02	321.86	67.76	254.10	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	03/28/03	321.86	62.40	259.46	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	06/16/03	321.86	62.99	258.87	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	09/22/03	321.86	74.94	246.92	No	<50	<0.5	<0.5	2.4	<0.5	1.1
MW8	12/22/03	321.86	67.09	254.77	No	<50	0.7/0.5f	<0.5	<0.5	<0.5	<0.5
MW8	03/23/04	321.86	68.27	253.59	No	<50	0.6/0.60f	<0.5	<0.5	<0.5	<0.5
MW8	06/21/04	321.86	62.18	259.68	No	---	---	---	---	---	---
MW8	06/22/04	321.86	---	---	---	<50	0.80f	<0.5	<0.5	<0.5	<0.5
MW8	09/20/04	321.86	69.10	252.76	No	---	---	---	---	---	---
MW8	12/20/04	321.86	58.62	263.24	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	03/28/05	321.86	50.40	271.46	No	---	---	---	---	---	---
MW8	03/29/05	321.86	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	06/20/05	321.86	45.30	276.56	No	---	---	---	---	---	---
MW8	06/21/05	321.86	---	---	---	<50	0.70	<0.5	<0.5	<0.5	<0.5
MW8	09/25/05	321.86	46.46	275.40	No	---	---	---	---	---	---
MW8	09/26/05	321.86	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	12/21/05	321.86	39.15	282.71	No	<50	<0.5	<0.5	<0.5	<0.5	0.78
MW8	03/21/06	321.86	29.10	292.76	No	---	---	---	---	---	---
MW8	03/22/06	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	06/22/06	321.86	26.65	295.21	No	---	---	---	---	---	---
MW8	06/23/06	321.86	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW8	09/19/06	321.86	30.68	291.18	No	---	---	---	---	---	---
MW8	09/20/06	321.86	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW8	12/19/06	321.86	26.28	295.58	No	---	---	---	---	---	---
MW8	12/20/06	321.86	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW8	03/20/07	321.86	19.36	302.50	No	---	---	---	---	---	---
MW8	03/21/07	321.86	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW8	09/18/07	321.86	27.54	294.32	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW8	12/26/07	321.86	20.82	301.04	No	---	---	---	---	---	---
MW8	12/27/07	321.86	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW8	03/26/08	321.86	22.63	299.23	No	---	---	---	---	---	---
MW8	03/27/08	321.86	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW8	06/25/08	321.86	38.11	283.75	No	---	---	---	---	---	---
MW8	06/26/08	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	09/17/08	321.86	39.56	282.30	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	12/22/08 n	321.86	30.15	291.71	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9	04/14/92	321.44	---	---	---	---	---	---	---	---	---
MW9	05/21/92	321.44	---	---	---	---	---	---	---	---	---
MW9	06/08/92	321.44	---	---	---	---	---	---	---	---	---
MW9	07/14/92	321.44	---	---	---	---	---	---	---	---	---
MW9	08/10/92	321.44	---	---	---	---	---	---	---	---	---
MW9	09/16/92	321.44	---	---	---	---	---	---	---	---	---
MW9	10/07/92	321.44	Dry	---	---	---	---	---	---	---	---
MW9	11/09/92	321.44	Dry	---	---	---	---	---	---	---	---
MW9	12/10/92	321.44	---	---	---	---	---	---	---	---	---
MW9	01/26/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	02/16/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	03/11/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	04/12/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	06/01/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	07/15/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	08/15/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	09/29/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	10/28/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	11/23/93	321.44	Dry	---	---	---	---	---	---	---	---
MW9	03/10-11/94	321.44	Dry	---	---	---	---	---	---	---	---
MW9	05/04-05/94	321.44	Dry	---	---	---	---	---	---	---	---
MW9	11/16/94	321.44	52.62	268.82	No	---	---	---	---	---	---
MW9	02/15/95	321.44	49.76	271.68	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW9	05/09/95	321.44	44.30	277.14	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW9	08/21/95	321.44	41.11	280.33	No	1,100	<25	270	51	5.2	140
MW9	11/30/95	321.44	39.40	282.04	No	6,600	<100	920	680	120	870
MW9	03/28/96	321.44	36.13	285.31	No	360	<10	72	28	1.8	49
MW9	05/31/96	321.44	34.56	286.88	No	8,200	<5.0	2,800	510	<50	400
MW9	08/28/96	321.44	38.80	282.64	No	160	28	1.6	<0.5	<0.5	9.6
MW9	11/18/96	321.44	38.74	282.70	No	7,100	<200	2,000	610	130	790
MW9	02/28/97	321.44	33.74	287.70	No	22,000	4,200	2,900	2,600	280	2,400
MW9	05/23/97	321.44	33.77	287.67	No	32,000	1,600	5,300	5,200	800	3,900
MW9	09/23/97	320.68	38.17	282.51	No	<50	20	<0.5	<0.5	<0.5	<0.5
MW9	12/30/97	320.68	38.83	281.85	No	4,600	1,100f	840	750	80	310
MW9	03/24/98	320.68	31.32	289.36	No	62,000	7,000	11,000	16,000	1,200	6,200
MW9	06/15/98	320.68	28.72	291.96	No	<50	8.1	1.8	2.7	<0.5	3.8
MW9	09/11/98	320.68	31.52	289.16	No	<50	7.1	1.5	0.97	<0.5	1.1
MW9	12/09/98	320.68	28.92	291.76	No	<50	7.9f	1.4	2.9	<0.5	<0.5
MW9	03/31/99	320.68	27.77	292.91	No	18,400	3,850/4,950f	2,560	4,100	118	3,090

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9	06/30/99	320.68	32.57	288.11	No	<50	7.05/5.81f,h	0.883	1.43	<0.5	1.24
MW9	08/03/99	320.68	36.24	284.44	No	91.1	<0.5f	1.20	1.70	<0.5	0.60
MW9	09/24/99	320.26	41.65	278.61	No	<50	3.92f	2.60/3.13i	1.06	<0.5	1.17
MW9	12/22/99	320.26	40.55	279.71	No	7,300	4,300f	860/870i	380/380i	<5.0/<5.0i	2,190/2,170i
MW9	04/04/00	320.26	34.69	285.57	No	<50	310/300f	2.7	2.5	<1	9
MW9	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW9	06/28/00	320.26	39.31	280.95	No	207	488f	111	2.98	<0.5	14.9
MW9	09/26/00	320.26	43.14	277.12	No	<50	77.2f	<0.5	<0.5	<0.5	<0.5
MW9	11/03/00	Well destroyed.									
MW9A	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW9A	12/28/00	---	43.72	---	No	1,040	65.5f	14.5	3.75	26.4	37.4
MW9A	03/28/01	321.17	43.90	277.27	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW9A	06/25/01	321.17	49.84	271.33	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW9A	09/26/01	321.17	56.35	i	No	---	---	---	---	---	---
MW9A	12/17/01	321.27	55.13	i	No	---	---	---	---	---	---
MW9A	03/18/02	321.27	53.02	268.25	No	---	---	---	---	---	---
MW9A	06/17/02	321.27	56.70	---	No	---	---	---	---	---	---
MW9A	09/16/02	321.27	Dry	---	---	---	---	---	---	---	---
MW9A	12/17/02	321.27	Dry	---	---	---	---	---	---	---	---
MW9A	03/28/03	321.27	Dry	---	---	---	---	---	---	---	---
MW9A	06/16/03	321.27	56.17	i	No	---	---	---	---	---	---
MW9A	09/22/03	321.27	Dry	---	---	---	---	---	---	---	---
MW9A	12/22/03	321.27	56.28	i	No	---	---	---	---	---	---
MW9A	03/23/04	321.27	56.42	i	No	---	---	---	---	---	---
MW9A	06/21/04	321.27	56.33	i	No	---	---	---	---	---	---
MW9A	09/20/04	321.27	56.45	i	No	---	---	---	---	---	---
MW9A	12/20/04	321.27	56.50	i	No	---	---	---	---	---	---
MW9A	03/28/05	321.27	51.12	270.15	No	---	---	---	---	---	---
MW9A	03/29/05	321.27	---	---	---	<50	1.00	<0.5	<0.5	<0.5	<0.5
MW9A	06/20/05	321.27	44.03	277.24	No	<50	1.60	<0.5	<0.5	<0.5	<0.5
MW9A	09/25/05	321.27	44.44	276.83	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW9A	12/21/05	321.27	39.42	281.85	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW9A	03/21/06	321.27	29.40	291.87	No	---	---	---	---	---	---
MW9A	03/22/06	321.27	---	---	---	420	230	22	9.0	26	56
MW9A	06/22/06	321.27	24.90	296.37	No	---	---	---	---	---	---
MW9A	06/23/06	321.27	---	---	---	456	266	15.6	6.51	16.2	27.7
MW9A	09/19/06	321.27	29.79	291.48	No	94.9	70.4	<0.50	<0.50	2.55	2.45
MW9A	12/19/06	321.27	24.65	296.62	No	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW9A	12/20/06	321.27	---	---	---	780	695	15.7	2.21	18.3	12.9
MW9A	03/20/07	321.27	18.25	303.02	No	---	---	---	---	---	---
MW9A	03/21/07	321.27	---	---	---	212	193	11.2	2.22	11.4	8.34
MW9A	06/19/07	321.27	27.05	294.22	No	---	---	---	---	---	---
MW9A	06/20/07	321.27	---	---	---	68.9	55.6	1.18	<0.50	0.56	1.29
MW9A	09/18/07	321.27	26.41	294.86	No	91.3	50.8	0.98	<0.50	<0.50	1.16
MW9A	12/26/07	321.27	22.05	299.22	No	---	---	---	---	---	---
MW9A	12/27/07	321.27	---	---	---	55.2	64.4	0.57	<0.50	<0.50	0.71
MW9A	03/26/08	321.27	22.96	298.31	No	---	---	---	---	---	---
MW9A	03/27/08	321.27	---	---	---	<50.0	54.1	<0.50	<0.50	<0.50	<0.50
MW9A	06/25/08	321.27	27.13	294.14	No	<50	73	<0.50	<0.50	<0.50	0.53
MW9A	09/17/08	n 321.27	32.40	288.87	No	<50	64	<0.50	<0.50	<0.50	<0.50
MW9A	12/22/08	n 321.27	31.21	290.06	No	79	80	3.7	<0.50	<0.50	1.6
MW9A	03/02/09	n 321.27	27.51	293.76	No	69	75	3.4	0.25o	0.36o	2.5
MW9A	06/24/09	321.27	32.81	288.46	No	150	150	6.2	0.45o	0.42o	1.4
MW9A	11/09/09	n 321.27	32.69	288.58	No	110q	140	2.6	0.18o,p	0.24o,p	0.65o
MW9A	06/01/10	321.27	33.42	287.85	No	240q	260	4.3	<0.50	1.3	2.7
MW9A	10/26/10	n 321.27	32.43	288.84	No	150q	150	3.5	<0.50	<0.50	<1.0
MW9A	06/09/11	321.27	s	---	s	55q	170	<4.0	<4.0	<4.0	<4.0
<b>MW9A</b>	<b>11/15/11</b>	<b>321.27</b>	<b>33.00</b>	<b>288.27</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW9A</b>	<b>11/16/11</b>	<b>321.27</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>180q</b>	<b>260</b>	<b>6.7</b>	<b>&lt;4.0</b>	<b>&lt;4.0</b>	<b>&lt;4.0</b>
MW 10	10/12/89	322.99	51.93	271.06	No	20	---	<0.5	<0.5	<0.5	<0.5
MW 10	11/28/89	322.99	51.88	271.11	No	---	---	---	---	---	---
MW 10	12/20/89	322.99	51.47	271.52	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW 10	01/09/90	322.99	50.98	272.01	No	---	---	---	---	---	---
MW 10	01/26/90	322.99	50.87	272.12	No	---	---	---	---	---	---
MW 10	02/23/90	322.99	50.67a	272.32	No	---	---	---	---	---	---
MW 10	02/23/90	322.99	50.65	272.34	No	---	---	---	---	---	---
MW 10	03/26/90	322.99	50.36a	272.63	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW 10	03/26/90	322.99	50.35	272.64	No	---	---	---	---	---	---
MW 10	04/18/90	322.99	50.45	272.54	No	---	---	---	---	---	---
MW 10	06/11/90	322.99	51.16	271.83	No	---	---	---	---	---	---
MW 10	07/30/90	322.99	55.72	267.27	No	---	---	---	---	---	---
MW 10	08/27/90	322.99	57.75	265.24	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW 10	09/28/90	322.99	---	---	---	---	---	---	---	---	---
MW 10	12/27/90	322.99	58.08	264.91	No	---	---	---	---	---	---
MW 10	03/20/91	322.99	57.80	265.19	No	---	---	---	---	---	---
MW 10	06/20/91	322.99	58.00	264.99	No	---	---	---	---	---	---



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW 10	09/12/91	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	12/30/91	322.99	---	---	---	---	---	---	---	---	---
MW 10	01/30/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	03/02/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	03/24/92	322.99	58.53	264.46	No	---	---	---	---	---	---
MW 10	04/14/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	05/21/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	06/08/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	07/14/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	08/10/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	09/16/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	10/07/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	11/09/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	12/10/92	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	01/26/93	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	02/16/93	322.99	58.23	264.76	No	---	---	---	---	---	---
MW 10	03/11/93	322.99	57.81	265.18	No	---	---	---	---	---	---
MW 10	04/12/93	322.99	57.84	265.15	No	350	---	21	11	21	75
MW 10	06/01/93	322.99	57.88	265.11	---	---	---	---	---	---	---
MW 10	07/15/93	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	08/15/93	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	09/29/93	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	10/28/93	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	11/23/93	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	03/10-11/94	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	05/04-05/94	322.99	57.21	265.78	Dry	---	---	---	---	---	---
MW 10	09/01/94 e	322.99	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW 10	11/16/94	322.99	54.82	268.17	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW 10	02/15/95	322.99	51.90	271.09	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW 10	05/09/95	322.99	46.32	276.67	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW 10	08/21/95	322.99	43.06	279.93	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW 10	11/30/95	322.99	41.34	281.65	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW 10	03/28/96	322.99	38.15	284.84	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW 10	05/31/96	322.99	36.61	286.38	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW 10	08/28/96	322.99	40.86	282.13	No	---	---	---	---	---	---
MW 10	11/18/96	322.99	40.90	282.09	No	---	---	---	---	---	---
MW 10	02/28/97	322.99	35.75	287.24	No	---	---	---	---	---	---
MW 10	05/23/97	322.99	36.07	286.92	No	---	---	---	---	---	---
MW 10	09/23/97	322.99	40.41	282.58	No	---	---	---	---	---	---

**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

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Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW 10	12/30/97	322.99	38.20	284.79	No	---	---	---	---	---	---
MW 10	03/24/98	322.99	34.12	288.87	No	---	---	---	---	---	---
MW 10	06/15/98	322.99	31.79	291.20	No	---	---	---	---	---	---
MW 10	09/11/98	322.99	35.40	287.59	No	---	---	---	---	---	---
MW 10	12/09/98	322.99	34.32	288.67	No	---	---	---	---	---	---
MW 10	03/31/99	322.99	30.55	292.44	No	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW 10	06/30/99	322.99	36.36	286.63	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW 10	08/03/99	322.99	39.95	283.04	No	---	---	---	---	---	---
MW 10	09/24/99	322.99	44.40	278.59	No	<50	19.30f	<0.5	<0.5	<0.5	0.87
MW 10	12/22/99	322.99	43.39	279.60	No	140	<5.0f	9.5	5.3	3.9	25.1
MW 10	04/04/00	322.99	37.18	285.81	No	<50	<1	<1	<1	<1	<1
MW 10	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW 10	06/28/00	322.99	42.19	280.80	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW 10	09/26/00	322.99	45.80	277.19	No	<50	3.39f	<0.5	<0.5	<0.5	<0.5
MW 10	12/28/00	322.99	45.41	277.58	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW 10	03/28/01	322.99	44.89	278.10	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW 10	06/25/01	322.99	48.13	274.86	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW 10	09/26/01	322.99	56.45	266.54	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW 10	12/17/01	322.99	56.61	266.38	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW 10	03/18/02	322.99	54.99	268.00	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 10	06/17/02	322.99	55.36	267.63	No	---	---	---	---	---	---
MW 10	06/18/02	322.99	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 10	09/16/02	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	12/17/02	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	03/28/03	322.99	---	---	---	---	---	---	---	---	---
MW 10	06/16/03	322.99	56.89	266.10	No	---	---	---	---	---	---
MW 10	06/17/03	322.99	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 10	09/22/03	322.99	Dry	---	---	---	---	---	---	---	---
MW 10	12/22/03	322.99	58.10	264.89	No	---	---	---	---	---	---
MW 10	03/23/04	322.99	57.60	265.39	No	---	---	---	---	---	---
MW 10	06/21/04	322.99	57.72	265.27	No	---	---	---	---	---	---
MW 10	09/20/04	322.99	58.26	264.73	No	---	---	---	---	---	---
MW 10	12/20/04	322.99	57.94	265.05	No	---	---	---	---	---	---
MW 10	03/28/05	322.99	53.31	269.68	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 10	06/20/05	322.99	47.93	275.06	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 10	09/25/05	322.99	46.50	276.49	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 10	12/21/05	322.99	41.24	281.75	No	<50	<0.5	<0.5	<0.5	<0.5	0.76
MW 10	03/21/06	322.99	31.29	291.70	No	---	---	---	---	---	---
MW 10	03/22/06	322.99	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50

**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW 10	06/22/06	322.99	26.68	296.31	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	09/19/06	322.99	30.74	292.25	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	12/19/06	322.99	26.28	296.71	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	03/20/07	322.99	20.16	302.83	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	06/19/07	322.99	28.52	294.47	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	09/18/07	322.99	28.15	294.84	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	12/26/07	322.99	21.87	301.12	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	03/26/08	322.99	22.77	300.22	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 10	06/25/08	322.99	28.87	294.12	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 10	09/17/08	322.99	33.78	289.21	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 10	12/22/08	322.99	31.10	291.89	No	<50	49	<0.50	<0.50	<0.50	<0.50
MW 10	03/02/09	322.99	27.54	295.45	No	57	76	0.19o,p	0.20o,p	<0.50	<1.0
MW 10	06/24/09	322.99	32.06	290.93	No	<50	24	<0.50	<0.50	<0.50	<1.0
MW 10	11/09/09	322.99	37.94	285.05	No	140q	180	<0.50	<0.50	<0.50	<1.0
MW 10	06/01/10	n	322.99	33.50	289.49	No	<50	32	<0.50	<0.50	<1.0
MW 10	10/26/10	n	322.99	38.07	284.92	No	<50	0.95	<0.50	<0.50	<1.0
MW 10	06/09/11	322.99	31.50	291.49	No	<50	1.8	<0.50	<0.50	<0.50	<0.50
<b>MW10</b>	<b>11/15/11</b>	<b>322.99</b>	<b>35.51</b>	<b>287.48</b>	<b>No</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>1.2</b>	<b>1.4</b>	<b>2.9</b>	<b>3.5</b>
MW 11	11/10/89	321.77	50.64	271.13	No	---	---	---	---	---	---
MW 11	11/16/89	321.77	---	---	---	150	---	4.1	9.4	0.74	20
MW 11	11/28/89	321.77	50.51	271.26	No	---	---	---	---	---	---
MW 11	12/20/89	321.77	51.47	270.30	No	150	---	7.2	7.5	2.9	13
MW 11	01/09/90	321.77	49.68	272.09	No	---	---	---	---	---	---
MW 11	01/26/90	321.77	49.55	272.22	No	---	---	---	---	---	---
MW 11	02/23/90	321.77	49.37a	272.40	No	---	---	---	---	---	---
MW 11	02/23/90	321.77	49.35	272.42	No	---	---	---	---	---	---
MW 11	03/26/90	321.77	49.03a	272.74	No	32	---	<0.5	<0.5	<0.5	2.7
MW 11	04/18/90	321.77	49.12	272.65	No	---	---	---	---	---	---
MW 11	05/17/90	321.77	50.30	271.47	No	---	---	---	---	---	---
MW 11	06/11/90	321.77	51.16	270.61	No	---	---	---	---	---	---
MW 11	07/30/90	321.77	53.50	268.27	No	26	---	<0.5	<0.5	<0.5	3.8
MW 11	08/27/90	321.77	53.65	268.12	No	---	---	---	---	---	---
MW 11	09/28/90	321.77	53.62	268.15	No	---	---	---	---	---	---
MW 11	12/27/90	321.77	53.63	268.14	No	---	---	---	---	---	---
MW 11	03/20/91	321.77	53.26	268.51	No	---	---	---	---	---	---
MW 11	06/20/91	321.77	53.60	268.17	No	---	---	---	---	---	---
MW 11	09/12/91	321.77	53.60	268.17	No	---	---	---	---	---	---
MW 11	12/30/91	321.77	53.95	267.82	No	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW11	01/30/92	321.77	53.65	268.12	No	---	---	---	---	---	---
MW11	03/02/92	321.77	53.68	268.09	No	---	---	---	---	---	---
MW11	03/24/92	321.77	53.70	268.07	No	---	---	---	---	---	---
MW11	04/14/92	321.77	53.66	268.11	No	---	---	---	---	---	---
MW11	05/21/92	321.77	53.62	268.15	No	---	---	---	---	---	---
MW11	06/08/92	321.77	53.61	268.16	No	---	---	---	---	---	---
MW11	07/14/92	321.77	53.53	268.24	No	---	---	---	---	---	---
MW11	08/10/92	321.77	53.58	268.19	No	---	---	---	---	---	---
MW11	09/16/92	321.77	53.60	268.17	No	---	---	---	---	---	---
MW11	10/07/92	321.77	Dry	---	---	---	---	---	---	---	---
MW11	11/09/92	321.77	Dry	---	---	---	---	---	---	---	---
MW11	12/10/92	321.77	53.59	268.18	No	---	---	---	---	---	---
MW11	01/26/93	321.77	53.67	268.10	No	---	---	---	---	---	---
MW11	02/16/93	321.77	53.60	268.17	No	---	---	---	---	---	---
MW11	03/11/93	321.77	53.58	268.19	No	---	---	---	---	---	---
MW11	04/12/93	321.77	53.54	268.23	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW11	06/01/93	321.77	53.52	268.25	No	---	---	---	---	---	---
MW11	07/15/93	321.77	53.60	268.17	No	---	---	---	---	---	---
MW11	08/15/93	321.77	53.55	268.22	No	---	---	---	---	---	---
MW11	09/29/93	321.77	53.62	268.15	No	---	---	---	---	---	---
MW11	09/30/93	321.77	---	---	---	---	---	---	---	---	---
MW11	10/28/93	321.77	53.63	268.14	No	---	---	---	---	---	---
MW11	11/23/93	321.77	53.58	268.19	No	---	---	---	---	---	---
MW11	11/24/93	321.77	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW11	03/10-11/94	321.77	53.61	268.16	No	---	---	---	---	---	---
MW11	05/04-05/94	321.77	53.51	268.26	No	---	---	---	---	---	---
MW11	11/16/94	321.77	53.46	268.31	No	---	---	---	---	---	---
MW11	02/15/95	321.77	50.57	271.20	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW11	05/09/95	321.77	45.05	276.72	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW11	08/21/95	321.77	41.88	279.89	No	<50	2.8	<0.5	<0.5	<0.5	<0.5
MW11	11/30/95	321.77	40.04	281.73	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW11	03/28/96	321.77	36.90	284.87	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW11	05/31/96	321.77	35.34	286.43	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW11	08/28/96	321.77	39.56	282.21	No	---	---	---	---	---	---
MW11	11/18/96	321.77	39.56	282.21	No	---	---	---	---	---	---
MW11	02/28/97	321.77	34.50	287.27	No	---	---	---	---	---	---
MW11	05/23/97	321.77	34.80	286.97	No	---	---	---	---	---	---
MW11	09/23/97	321.77	39.18	282.59	No	---	---	---	---	---	---
MW11	12/30/97	321.77	37.94	283.83	No	---	---	---	---	---	---

**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

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Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW11	03/24/98	321.77	32.86	288.91	---	---	---	---	---	---	---
MW11	06/15/98	321.77	30.49	291.28	No	---	---	---	---	---	---
MW11	09/11/98	321.77	35.96	285.81	No	---	---	---	---	---	---
MW11	12/09/98	321.77	33.06	288.71	No	---	---	---	---	---	---
MW11	03/31/99	321.77	29.31	292.46	No	<50	2.79/2.64f	<0.5	<0.5	<0.5	<0.5
MW11	06/30/99	321.77	35.15	286.62	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW11	08/03/99	321.77	38.65	283.12	No	---	---	---	---	---	---
MW11	09/24/99	321.73	43.08	278.65	No	<50	3.93f	<0.5	<0.5	<0.5	<0.5
MW11	12/22/99	321.73	40.94	280.79	No	<50	<5.0f	<1.0	<1.0	<1.0	<1.0
MW11	04/04/00	321.73	35.91	285.82	No	<50	<1	<1	<1	<1	<1
MW11	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW11	06/28/00	321.73	40.46	281.27	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW11	09/26/00	321.73	44.45	277.28	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW11	12/28/00	321.73	44.11	277.62	No	<50	5.71f	<0.5	<0.5	<0.5	<0.5
MW11	03/28/01	321.73	43.60	278.13	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW11	06/25/01	321.73	46.78	274.95	No	59	<2.5	3.0	7.3	2.0	11
MW11	09/26/01	321.73	53.54	268.19	No	<50	<2.5	3.8	3.7	0.65	3.2
MW11	12/17/01	321.73	53.56	268.17	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW11	03/18/02	321.73	53.50	268.23	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	06/17/02	321.73	53.67	268.06	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	09/16/02	321.73	Dry	---	---	---	---	---	---	---	---
MW11	12/17/02	321.73	53.20	268.53	No	<50	0.7/0.70f	<0.5	<0.5	<0.5	<0.5
MW11	03/28/03	321.73	Dry	---	---	---	---	---	---	---	---
MW11	06/16/03	321.73	53.63	---	No	---	---	---	---	---	---
MW11	09/22/03	321.73	Dry	---	---	---	---	---	---	---	---
MW11	12/22/03	321.73	53.67	---	No	---	---	---	---	---	---
MW11	03/23/04	j	321.73	53.64	---	No	<50	<0.5	<0.5	<0.5	<0.5
MW11	06/21/04	321.73	53.57	268.16	No	<50	0.5f	<0.5	<0.5	<0.5	2.4
MW11	09/20/04	321.73	53.11	268.62	No	---	---	---	---	---	---
MW11	12/20/04	j	321.73	53.45	268.28	No	<50	<0.5	<0.5	<0.5	1.2
MW11	03/28/05	321.73	51.92	269.81	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	06/20/05	321.73	44.65	277.08	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	09/25/05	321.73	45.19	276.54	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	12/21/05	321.73	39.98	281.75	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	03/21/06	321.73	29.69	292.04	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	06/22/06	321.73	25.38	296.35	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW11	09/19/06	321.73	29.41	292.32	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW11	12/19/06	321.73	25.05	296.68	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW11	03/20/07	321.73	18.85	302.88	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW11	06/19/07	321.73	27.26	294.47	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW11	09/18/07	321.73	26.78	294.95	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW11	12/26/07	321.73	20.54	301.19	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW11	03/26/08	321.73	21.50	300.23	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW11	06/25/08	321.73	27.60	294.13	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	09/17/08	n 321.73	32.57	289.16	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	12/22/08	321.73	29.81	291.92	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	03/02/09	n 321.73	26.18	295.55	No	67	<0.50	<0.50	0.22o	<0.50	0.45o,p
MW11	06/24/09	321.73	30.78	290.95	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW11	11/09/09	321.73	36.70	285.03	No	<50	0.28o	<0.50	<0.50	<0.50	<1.0
MW11	06/01/10	n 321.73	32.24	289.49	No	<50	23	<0.50	<0.50	<0.50	<1.0
MW11	10/26/10	321.73	36.75	284.98	No	53q	46	<0.50	<0.50	<0.50	<1.0
MW11	06/09/11	321.73	31.50	290.23	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
<b>MW11</b>	<b>11/15/11</b>	<b>321.73</b>	<b>34.26</b>	<b>287.47</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW11</b>	<b>11/16/11</b>	<b>321.73</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>&lt;50</b>	<b>1.8</b>	<b>0.52</b>	<b>0.62</b>	<b>1.4</b>	<b>2.6</b>
MW12	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW12	08/30/00	Well destroyed.									
MW12A	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW12A	09/26/00	---	48.26	---	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW12A	12/28/00	---	46.45	---	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW12A	03/28/01	322.53	46.07	276.46	No	<50	<2.5/<1.0f	0.622	0.823	<0.5	0.526
MW12A	06/25/01	322.53	50.20	272.33	No	<50	<2.5	<0.5	0.82	<0.5	1.0
MW12A	09/26/01	322.53	60.83	261.70	No	<50	<2.5	1.6	2.0	0.5	2.6
MW12A	12/17/01	322.62	62.20	260.42	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW12A	03/18/02	322.62	58.35	264.27	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	06/17/02	322.62	58.85	263.77	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	09/16/02	322.62	71.56	251.06	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW12A	12/17/02	322.62	68.54	254.08	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	03/28/03	322.62	62.78	259.84	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	06/16/03	322.62	63.85	258.77	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	09/22/03	j 322.62	76.30	246.32	No	<50	<0.5	<0.5	2.3	<0.5	1.9
MW12A	12/22/03	322.62	88.71	233.91	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	03/23/04	322.62	68.16	254.46	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	06/21/04	322.62	63.12	259.50	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW12A	09/20/04	322.62	70.15	252.47	No	<50	<0.5	<0.5	4.2	0.6	4.9
MW12A	12/20/04	322.62	59.00	263.62	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	03/28/05	322.62	51.18	271.44	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW 12A	06/20/05	322.62	45.99	276.63	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 12A	09/25/05	322.62	47.00	275.62	No	---	---	---	---	---	---
MW 12A	09/26/05	322.62	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 12A	12/21/05	322.62	39.84	282.78	No	<50	<0.5	<0.5	0.69	<0.5	1.34
MW 12A	03/21/06	322.62	30.73	291.89	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 12A	06/22/06	322.62	27.28	295.34	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 12A	09/19/06	322.62	31.14	291.48	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 12A	12/19/06	322.62	26.18	296.44	No	---	---	---	---	---	---
MW 12A	12/20/06	322.62	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 12A	03/20/07	322.62	20.11	302.51	No	---	---	---	---	---	---
MW 12A	03/21/07	322.62	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 12A	06/19/07	322.62	37.97	284.65	No	---	---	---	---	---	---
MW 12A	06/20/07	322.62	---	---	---	63.4	<0.500	<0.50	<0.50	<0.50	3.90
MW 12A	09/18/07	322.62	28.09	294.53	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 12A	12/26/07	322.62	21.50	301.12	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 12A	03/26/08	322.62	23.74	298.88	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 12A	06/25/08	322.62	29.91	292.71	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 12A	09/17/08	322.62	32.40	290.22	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 12A	12/22/08	322.62	30.81	291.81	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 12A	03/02/09	322.62	27.23	295.39	No	79	<0.50	0.20o	0.24o	0.20o,p	0.48o,p
MW 12A	06/24/09	322.62	38.58	284.04	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW 12A	11/09/09	322.62	38.10	284.52	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW 12A	06/01/10	322.62	33.93	288.69	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW 12A	10/26/10	n	38.82	283.80	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW 12A	06/09/11	322.62	Unable to locate.								
<b>MW12A</b>	<b>11/15/11</b>	<b>322.62</b>	<b>33.27</b>	<b>289.35</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW12A</b>	<b>11/16/11</b>	<b>322.62</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>&lt;50</b>	<b>0.65</b>	<b>1.4</b>	<b>1.8</b>	<b>3.3</b>	<b>6.4</b>
MW 13	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW 13	09/26/00	---	45.62	---	No	<50	1.62f	0.504	0.594	<0.5	0.982
MW 13	12/28/00	---	45.15	---	No	<50	2.17f	1.19	1.05	<0.5	1.25
MW 13	03/28/01	322.62	44.57	278.05	No	<50	<2.5/<1.0f	0.769	1.45	<0.5	0.594
MW 13	06/25/01	322.62	48.24	274.38	No	<50	<2.5	<0.5	1.1	<0.5	1.1
MW 13	09/26/01	322.62	56.05	266.57	No	<50	<2.5	1.3	1.7	0.54	3.0
MW 13	12/17/01	322.71	56.40	266.31	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW 13	03/18/02	322.71	55.20	267.51	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 13	06/17/02	322.71	55.38	267.33	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 13	09/16/02	322.71	59.80	262.91	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW 13	12/17/02	322.71	62.05	260.66	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW13	03/28/03	322.71	59.50	263.21	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	06/16/03	322.71	56.33	266.38	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	09/22/03	322.71	60.71	262.00	No	<50	<0.5	<0.5	2.3	<0.5	2.0
MW13	12/22/03	322.71	60.83	261.88	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	03/23/04	322.71	59.21	263.50	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	06/21/04	322.71	57.99	264.72	No	<50	<0.5f	<0.5	0.5	<0.5	0.9
MW13	09/20/04	322.71	61.78	260.93	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	12/20/04	322.71	59.52	263.19	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	03/28/05	322.71	52.10	270.61	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	06/20/05	322.71	45.51	277.20	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	09/25/05	322.71	45.97	276.74	No	---	---	---	---	---	---
MW13	09/26/05	322.71	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	12/21/05	322.71	40.70	282.01	No	<50	<0.5	<0.5	0.97	<0.5	0.80
MW13	03/21/06	322.71	31.51	291.20	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	06/22/06	322.71	26.16	296.55	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW13	09/19/06	322.71	30.24	292.47	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW13	12/19/06	322.71	25.89	296.82	No	---	---	---	---	---	---
MW13	12/20/06	322.71	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW13	06/19/07	322.71	28.75	293.96	No	---	---	---	---	---	---
MW13	06/20/07	322.71	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW13	09/18/07	322.71	27.52	295.19	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW13	12/26/07	322.71	21.31	301.40	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW13	03/26/08	322.71	22.45	300.26	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW13	06/25/08	322.71	28.68	294.03	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	09/17/08	322.71	33.61	289.10	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	12/22/08	322.71	30.65	292.06	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	03/02/09	322.71	27.09	295.62	No	76	<0.50	<0.50	<0.50	<0.50	<1.0
MW13	06/24/09	322.71	31.75	290.96	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW13	11/09/09	322.71	37.50	285.21	No	<50	<0.50	<0.50	0.26o,p	<0.50	<1.0
MW13	06/01/10	322.71	33.17	289.54	No	<50	<0.50	<0.50	<0.50	<0.50	0.86o
MW13	10/26/10	n	37.62	285.09	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW13	06/09/11	322.71	Unable to locate.								
<b>MW13</b>	<b>11/15/11</b>	<b>t</b>	<b>322.71</b>	<b>35.16</b>	<b>287.55</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
MW14	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW14	09/26/00	---	46.90	---	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW14	12/28/00	---	45.09	---	No	<50	<2f	2.04	<0.5	0.740	1.78
MW14	03/28/01	321.16	44.70	276.46	No	<50	<2.5/<1.0f	0.516	0.978	<0.5	0.919
MW14	06/25/01	321.16	56.74	264.42	No	<50	<2.5	<0.5	0.66	<0.5	0.87



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW 14	09/26/01	321.16	59.43	261.73	No	<50	<2.5	3.4	4.1	1.1	5.3
MW 14	12/17/01	321.24	60.78	260.46	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW 14	03/18/02	321.24	57.50	263.74	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	06/17/02	321.24	57.51	263.73	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	09/16/02	321.24	70.06	251.18	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW 14	12/17/02	321.24	67.05	254.19	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	03/28/03	321.24	61.70	259.54	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	06/16/03	321.24	62.34	258.90	No	--	--	--	--	--	--
MW 14	06/17/03	321.24	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	09/22/03 j	321.24	74.50	246.74	No	<50	<0.5	<0.5	0.9	<0.5	0.8
MW 14	12/22/03	321.24	66.61	254.63	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	03/23/04	321.24	66.91	254.33	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	06/21/04	321.24	61.18	260.06	No	<50	<0.5f	<0.5	0.6	<0.5	0.8
MW 14	09/20/04	321.24	68.51	252.73	No	--	--	--	--	--	--
MW 14	09/21/04	321.24	--	--	--	<50	<0.5	<0.5	5.0	0.7	5.9
MW 14	12/20/04	321.24	57.61	263.63	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	03/28/05	321.24	49.81	271.43	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	06/20/05	321.24	44.62	276.62	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	09/25/05	321.24	45.77	275.47	No	--	--	--	--	--	--
MW 14	09/26/05	321.24	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW 14	12/21/05	321.24	38.37	282.87	No	<50	<0.5	<0.5	<0.5	<0.5	0.75
MW 14	03/21/06	321.24	29.36	291.88	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 14	06/22/06	321.24	25.95	295.29	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 14	09/19/06	321.24	--	--	--	--	--	--	--	--	--
MW 14	12/19/06	321.24	24.84	296.40	No	--	--	--	--	--	--
MW 14	12/20/06	321.24	--	--	--	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 14	03/20/07	321.24	18.82	302.42	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 14	06/19/07	321.24	36.56	284.68	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 14	09/18/07	321.24	27.40	293.84	No	--	--	--	--	--	--
MW 14	09/19/07	321.24	--	--	--	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 14	12/26/07	321.24	20.18	301.06	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 14	03/26/08	321.24	22.40	298.84	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW 14	06/25/08	321.24	37.57	283.67	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 14	09/17/08	321.24	39.39	281.85	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 14	12/22/08	321.24	29.47	291.77	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW 14	03/02/09	321.24	25.87	295.37	No	82	<0.50	0.17o,p	0.27o,p	<0.50	1.4
MW 14	06/24/09	321.24	37.40	283.84	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW 14	11/09/09	321.24	36.74	284.50	No	<50	<0.50	<0.50	0.33o,p	<0.50	<1.0
MW 14	06/01/10	321.24	32.58	288.66	No	<50	<0.50	<0.50	<0.50	<0.50	0.27o

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW14	10/26/10	n 321.24	37.45	283.79	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW14	06/09/11	321.24	31.48	289.76	No	50	<0.50	0.85	0.63	1.3	4.5
<b>MW14</b>	<b>11/15/11</b>	<b>321.24</b>	<b>34.07</b>	<b>287.17</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW14</b>	<b>11/17/11</b>	<b>321.24</b>	<b>---</b>	<b>---</b>	<b>---</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>0.54</b>
OW1	09/24/99	322.45	10.37	312.08	No	119	7,810f	2.10	1.41	<0.5	7.22
OW1	12/22/99	322.45	10.93	311.52	No	360	44,000f	12	<5.0	<5.0	5.2
OW1	04/04/00	322.45	10.83	311.62	No	120	5,300/6,800f	1	<1	<1	<1
OW1	06/15/00	Station operations transferred to Valero Energy Corporation.									
OW1	06/28/00	322.45	11.91	310.54	No	<100	1,530f	1.20	<1	<1	<1
OW1	09/26/00	322.45	Dry	---	---	---	---	---	---	---	---
OW1	12/28/00	322.45	Dry	---	---	---	---	---	---	---	---
OW1	03/28/01	321.44	9.65	311.79	No	<50	8.27/7.97f	<0.5	<0.5	<0.5	<0.5
OW1	06/25/01	321.44	Dry	---	---	---	---	---	---	---	---
OW1	09/26/01	321.44	11.37	310.07	No	<50	250/220f	<0.5	<0.5	<0.5	<0.5
OW1	12/17/01	321.44	9.28	312.16	No	<50	<2.5/1.0f	<0.5	<0.5	<0.5	<0.5
OW1	03/18/02	321.44	11.05	310.39	No	<50	13.7/14.5f	0.70	0.70	<0.5	<0.5
OW1	06/17/02	321.44	Dry	---	---	---	---	---	---	---	---
OW1	09/16/02	321.44	Dry	---	---	---	---	---	---	---	---
OW1	12/17/02	321.44	9.24	312.20	No	<50	4.1/4.80f	<0.5	<0.5	<0.5	<0.5
OW1	03/28/03	321.44	Dry	---	---	---	---	---	---	---	---
OW1	06/16/03	321.44	11.40	---	No	---	---	---	---	---	---
OW1	09/22/03	321.44	Dry	---	---	---	---	---	---	---	---
OW1	12/22/03	321.44	9.65	311.79	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OW1	03/23/04	321.44	10.56	310.88	No	---	---	---	---	---	---
OW1	06/21/04	321.44	Dry	---	---	---	---	---	---	---	---
OW1	09/20/04	321.44	10.69	310.75	No	---	---	---	---	---	---
OW1	12/20/04	321.44	10.66	310.78	No	---	---	---	---	---	---
OW1	03/28/05	321.44	8.50	312.94	No	---	---	---	---	---	---
OW1	03/29/05	321.44	---	---	---	<50	<0.5	<0.5	0.6	<0.5	<0.5
OW1	06/20/05	321.44	10.44	311.00	No	---	---	---	---	---	---
OW1	06/21/05	321.44	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OW1	09/25/05	321.44	10.51	310.93	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OW1	12/21/05	321.44	10.35	311.09	No	<50	<0.5	<0.5	0.86	<0.5	0.54
OW1	03/21/06	321.44	9.01	312.43	No	---	---	---	---	---	---
OW1	03/22/06	321.44	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
OW1	06/22/06	321.44	9.49	311.95	No	<50.0	0.560	<0.50	<0.50	<0.50	<0.50
OW1	09/19/06	321.44	10.43	311.01	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
OW1	12/19/06	321.44	9.81	311.63	No	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
OW1	12/20/06	321.44	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
OW1	03/20/07	321.44	9.90	311.54	No	---	---	---	---	---	---
OW1	03/21/07	321.44	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
OW1	06/19/07	321.44	9.74	311.70	No	---	---	---	---	---	---
OW1	06/20/07	321.44	---	---	---	763	<0.500	62.0	132	7.61	40.9
OW1	09/18/07	321.44	10.42	311.02	No	---	---	---	---	---	---
OW1	09/19/07	321.44	---	---	---	153	0.580	8.34	1.36	<0.50	3.54
OW1	12/26/07	321.44	9.93	311.51	No	---	---	---	---	---	---
OW1	12/27/07	321.44	---	---	---	1,180	1.42	199	59.4	<0.50	74.5
OW1	03/26/08	321.44	9.76	311.68	No	---	---	---	---	---	---
OW1	03/27/08	321.44	---	---	---	624	<0.500	27.8	96.3	2.06	66.1
OW1	06/25/08	321.44	10.01	311.43	No	<50	<0.50	<0.50	0.65	<0.50	0.78
OW1	09/17/08	321.44	10.95	310.49	No	97	3.4	10	2.8	<0.50	5.1
OW1	12/22/08	n 321.44	9.40	312.04	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
OW1	03/02/09	n 321.44	4.83	316.61	No	<50	<0.50	<0.50	0.25o,p	<0.50	<1.0
OW1	06/24/09	321.44	10.84	310.60	No	---	---	---	---	---	---
OW1	11/09/09	n 321.44	10.35	311.09	No	<50	0.17o	<0.50	0.38o	<0.50	<1.0
OW1	06/01/10	n 321.44	9.58	311.86	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
OW1	10/26/10	321.44	10.10	311.34	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
OW1	06/09/11	321.44	10.20	311.24	No	---	---	---	---	---	---
OW1	06/10/11	321.44	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
<b>OW1</b>	<b>11/15/11</b>	<b>321.44</b>	<b>10.30</b>	<b>311.14</b>	<b>No</b>	---	---	---	---	---	---
<b>OW1</b>	<b>11/16/11</b>	<b>321.44</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>
OW2	09/24/99	321.55	9.48	312.07	No	275g	177,000f	31.1	<0.5	<0.5	20.6
OW2	12/22/99	321.55	10.13	311.42	No	410	85,000f	<5.0	<5.0	<5.0	5.2
OW2	04/04/00	321.55	10.00	---	---	---	---	---	---	---	---
OW2	06/15/00	Station operations transferred to Valero Energy Corporation.									
OW2	06/28/00	321.55	11.00	310.55	No	<5,000	45,400f	<50	<50	<50	<50
OW2	09/26/00	321.55	11.11	310.44	No	<50	1,690f	<0.5	<0.5	<0.5	<0.5
OW2	12/28/00	321.55	11.11	310.44	No	<50	4,520f	<0.5	<0.5	<0.5	<0.5
OW2	03/28/01	321.33	6.59	314.74	No	<50	9,130/5,650f	3.92	1.16	0.692	2.71
OW2	06/25/01	321.33	11.93	309.40	No	<200	4,000/4,000f	<2.0	<2.0	<2.0	3.1
OW2	09/26/01	321.33	12.01	309.32	No	<50	160/130f	<0.5	<0.5	<0.5	<0.5
OW2	12/17/01	321.55	5.96	315.59	No	<50	1,300/630f	<0.5	<0.5	<0.5	<0.5
OW2	03/18/02	321.55	10.96	310.59	No	---	---	---	---	---	---
OW2	03/19/02	321.55	---	---	---	1,290	1,560/1,720f	<0.5	<0.5	<0.5	<0.5
OW2	06/17/02	321.55	11.78	309.77	No	---	---	---	---	---	---
OW2	06/18/02	321.55	---	---	---	1,310	1,910/1,800f	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
OW2	09/16/02	321.55	Dry	---	---	---	---	---	---	---	---
OW2	12/17/02	321.55	6.14	315.41	No	<50	6.3/5.00f	<0.5	<0.5	<0.5	<0.5
OW2	03/28/03	321.55	Dry	---	---	---	---	---	---	---	---
OW2	06/16/03	321.55	12.08	309.47	No	---	---	---	---	---	---
OW2	06/17/03	321.55	---	---	---	587	552/575f	<0.5	<0.5	<0.5	<0.5
OW2	09/22/03	321.55	Dry	---	---	---	---	---	---	---	---
OW2	12/22/03	321.55	9.46	312.09	No	<50	50.2/59.6f	<0.5	<0.5	<0.5	<0.5
OW2	03/23/04	321.55	10.42	311.13	No	<50	3.4/3.70f	<0.5	<0.5	<0.5	<0.5
OW2	06/21/04	321.55	Dry	---	---	---	---	---	---	---	---
OW2	09/20/04	321.55	12.22	309.33	No	---	---	---	---	---	---
OW2	12/20/04	321.55	10.50	311.05	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OW2	03/28/05	321.55	8.25	313.30	No	---	---	---	---	---	---
OW2	03/29/05	321.55	---	---	---	<50	8.50	<0.5	<0.5	<0.5	0.6
OW2	06/20/05	321.55	10.31	311.24	No	---	---	---	---	---	---
OW2	06/21/05	321.55	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OW2	09/25/05	321.55	10.40	311.15	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OW2	12/21/05	321.55	10.24	311.31	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
OW2	03/21/06	321.55	8.87	312.68	No	---	---	---	---	---	0.82
OW2	03/22/06	321.55	---	---	---	<50	2.5	<0.50	<0.50	<0.50	<0.50
OW2	06/22/06	321.55	9.75	311.80	No	---	---	---	---	---	---
OW2	06/23/06	321.55	---	---	---	<50.0	0.650	<0.50	<0.50	<0.50	<0.50
OW2	09/19/06	321.55	10.21	311.34	No	---	---	---	---	---	---
OW2	09/20/06	321.55	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
OW2	12/19/06	321.55	9.67	311.88	No	---	---	---	---	---	---
OW2	12/20/06	321.55	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
OW2	03/20/07	321.55	9.73	311.82	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
OW2	06/19/07	321.55	9.63	311.92	No	<50.0	1.15	<0.50	<0.50	<0.50	<0.50
OW2	09/18/07	321.55	10.35	311.20	No	<50.0	3.24	<0.50	<0.50	<0.50	0.60
OW2	12/26/07	321.55	9.80	311.75	No	707	4.81	147	8.36	<0.50	9.09
OW2	03/26/08	321.55	9.61	311.94	No	659	1.25l	71.4	1.48	1.00	11
OW2	06/25/08	321.55	9.85	311.70	No	<50	4.20	1.7	<0.50	<0.50	<0.50
OW2	09/17/08	321.55	11.92	309.63	No	<50	1.90	1.4	<0.50	<0.50	<0.50
OW2	12/22/08	321.55	9.33	312.22	No	<50	0.60	<0.50	<0.50	<0.50	<0.50
OW2	03/02/09	321.55	5.78	315.77	No	<50	<0.50	<0.50	0.34o	<0.50	0.34o,p
OW2	06/24/09	321.55	10.63	310.92	No	<50	0.24	<0.50	<0.50	<0.50	<1.0
OW2	11/09/09	321.55	10.29	311.26	No	<50	0.52	<0.50	0.23o	<0.50	<1.0
OW2	06/01/10	321.55	9.45	312.10	No	<50	0.38o	<0.50	<0.50	<0.50	<1.0
OW2	10/26/10	321.55	10.03	311.52	No	<50	1.7	<0.50	<0.50	<0.50	<1.0
OW2	06/09/11	321.55	11.10	310.45	No	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
OW2	06/10/11	321.55	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
<b>OW2</b>	<b>11/15/11</b>	<b>321.55</b>	<b>10.19</b>	<b>311.36</b>	<b>No</b>	---	---	---	---	---	---
<b>OW2</b>	<b>11/16/11</b>	<b>321.55</b>	---	---	---	<b>&lt;50</b>	<b>1.2</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>0.50</b>
PMW1	12/22/99	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	04/04/00	322.75	---	---	---	---	---	---	---	---	---
PMW1	06/15/00	Station operations transferred to Valero Energy Corporation.									
PMW1	06/28/00	322.75	13.72	309.03	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
PMW1	09/26/00	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	12/28/00	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	03/28/01	322.74	Dry	---	---	---	---	---	---	---	---
PMW1	06/25/01	322.74	15.09	307.65	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
PMW1	09/26/01	322.74	15.56	307.18	No	---	---	---	---	---	---
PMW1	12/17/01	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	03/18/02	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	06/17/02	322.75	14.91	307.84	No	---	---	---	---	---	---
PMW1	09/16/02	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	12/17/02	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	03/28/03	322.75	13.25	309.50	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW1	06/16/03	322.75	13.90	308.85	No	--	---	---	---	---	---
PMW1	06/17/03	322.75	--	---	--	<50	0.6/<0.5f	<0.5	<0.5	<0.5	<0.5
PMW1	09/22/03	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	12/22/03	322.75	12.69	310.06	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW1	03/23/04	322.75	13.42	309.33	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW1	06/21/04	322.75	15.35	307.40	No	---	---	---	---	---	---
PMW1	09/20/04	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	12/20/04	322.75	Dry	---	---	---	---	---	---	---	---
PMW1	03/28/05	322.75	14.67	308.08	No	---	---	---	---	---	---
PMW1	06/20/05	322.75	12.05	310.70	No	---	---	---	---	---	---
PMW1	09/25/05	322.75	11.47	311.28	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW1	12/21/05	322.75	11.82	310.93	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW1	03/21/06	322.75	12.55	310.20	No	---	---	---	---	---	---
PMW1	03/22/06	322.75	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	06/22/06	322.75	11.29	311.46	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW1	09/19/06	322.75	11.61	311.14	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW1	12/19/06	322.75	11.99	310.76	No	<50.0	<0.500k	<0.50	<0.50	<0.50	<0.50
PMW1	03/20/07	322.75	13.89	308.86	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW1	06/19/07	322.75	11.40	311.35	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW1	09/18/07	322.75	12.05	310.70	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
PMW1	12/26/07	322.75	13.50	309.25	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW1	03/26/08	322.75	12.25	310.50	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW1	06/25/08	322.75	12.37	310.38	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	09/17/08	322.75	13.90	308.85	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	12/22/08	322.75	11.93	310.82	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	03/02/09	322.75	10.62	312.13	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW1	06/24/09	322.75	12.26	310.49	No	<50	0.086o	<0.50	<0.50	<0.50	<1.0
PMW1	11/09/09	322.75	13.30	309.45	No	<50	<0.50	<0.50	0.29o,p	<0.50	<1.0
PMW1	06/01/10 n	322.75	11.10	311.65	No	<50	<0.50	<0.50	<0.50	<0.50	0.41o
PMW1	10/26/10 n	322.75	11.49	311.26	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW1	06/09/11	322.75	11.80	310.95	No	<50	<0.50	<0.50	<0.50	<0.50	0.86
<b>PMW1</b>	<b>11/15/11</b>	<b>322.75</b>	<b>13.51</b>	<b>309.24</b>	<b>No</b>	<b>140</b>	<b>&lt;0.50</b>	<b>2.6</b>	<b>5.3</b>	<b>17</b>	<b>32</b>
PMW2	12/22/99	322.37	12.85	309.52	No	---	---	---	---	---	---
PMW2	04/04/00	322.37	10.65	311.72	No	<50	740/720f	<1	<1	<1	<1
PMW2	06/15/00	Station operations transferred to Valero Energy Corporation.									
PMW2	06/28/00	322.37	11.50	310.87	No	<50	1,570f	<0.5	<0.5	<0.5	<0.5
PMW2	09/26/00	322.37	12.36	310.01	No	<50	157f	<0.5	<0.5	<0.5	<0.5
PMW2	12/28/00	322.37	11.85	310.52	No	445	234f	<0.5	<0.5	<0.5	<0.5
PMW2	03/28/01	322.07	10.68	311.39	No	<50	400/284f	<0.5	0.632	<0.5	1.88
PMW2	06/25/01	322.07	12.10	309.97	No	<50	6.6/5.7f	<0.5	<0.5	<0.5	<0.5
PMW2	09/26/01	322.07	12.26	309.81	No	<50	59/46f	1.6	2.9	1.0	4.7
PMW2	12/17/01	322.37	10.08	312.29	No	<50	23/10f	<0.5	<0.5	<0.5	<0.5
PMW2	03/18/02	322.37	11.90	310.47	No	---	---	---	---	---	---
PMW2	03/19/02	322.37	---	---	---	<50	6.50/1.8f	<0.5	<0.5	<0.5	<0.5
PMW2	06/17/02	322.37	13.00	309.37	No	---	---	---	---	---	---
PMW2	06/18/02	322.37	---	---	---	<50	5.6/4.30f	<0.5	<0.5	<0.5	<0.5
PMW2	09/16/02	322.37	14.73	307.64	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
PMW2	12/17/02	322.37	14.14	308.23	No	<50	0.5/<0.5f	<0.5	<0.5	<0.5	<0.5
PMW2	03/28/03	322.37	13.05	309.32	No	<50	6.4/6.50f	<0.5	<0.5	<0.5	<0.5
PMW2	06/16/03	322.37	13.89	308.48	No	---	---	---	---	---	---
PMW2	09/22/03	322.37	Dry	---	---	---	---	---	---	---	---
PMW2	12/22/03	322.37	10.86	311.51	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW2	03/23/04	322.37	11.33	311.04	No	<50	13.0/11.2f	<0.5	<0.5	<0.5	<0.5
PMW2	06/21/04	322.37	14.09	308.28	No	---	---	---	---	---	---
PMW2	06/22/04	322.37	---	---	---	<50	2.70f	<0.5	<0.5	<0.5	<0.5
PMW2	09/20/04	322.37	15.39	306.98	No	---	---	---	---	---	---
PMW2	12/20/04	322.37	14.93	307.44	No	---	---	---	---	---	---
PMW2	03/28/05	322.37	9.62	312.75	No	---	---	---	---	---	---

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
PMW2	03/29/05	322.37	---	---	---	<50	7.50	<0.5	0.9	<0.5	1.4
PMW2	06/20/05	322.37	11.10	311.27	No	---	---	---	---	---	---
PMW2	06/21/05	322.37	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW2	09/25/05	322.37	12.11	310.26	No	<50	29.7	<0.5	<0.5	<0.5	<0.5
PMW2	12/21/05	322.37	13.52	308.85	No	<50	7.78	<0.5	<0.5	<0.5	0.72
PMW2	03/21/06	322.37	14.37	308.00	No	---	---	---	---	---	---
PMW2	03/22/06	322.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW2	06/22/06	322.37	11.74	310.63	No	---	---	---	---	---	---
PMW2	06/23/06	322.37	---	---	---	<50.0	0.940	<0.50	<0.50	<0.50	<0.50
PMW2	09/19/06	322.37	10.93	311.44	No	---	---	---	---	---	---
PMW2	09/20/06	322.37	---	---	---	<50.0	6.12	<0.50	<0.50	<0.50	<0.50
PMW2	12/19/06	322.37	10.56	311.81	No	---	---	---	---	---	---
PMW2	12/20/06	322.37	---	---	---	<50.0	2.21	<0.50	1.08	<0.50	<0.50
PMW2	03/20/07	322.37	10.53	311.84	No	<50.0	9.41	<0.50	0.64	<0.50	<0.50
PMW2	06/19/07	322.37	10.39	311.98	No	<50.0	0.720	<0.50	0.64	<0.50	<0.50
PMW2	09/18/07	322.37	11.18	311.19	No	<50.0	0.840	<0.50	<0.50	<0.50	<0.50
PMW2	12/26/07	322.37	10.72	311.65	No	<50.0	1.88	<0.50	<0.50	<0.50	<0.50
PMW2	03/26/08	322.37	10.30	312.07	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW2	06/25/08	322.37	11.24	311.13	No	<50	0.78	<0.50	<0.50	<0.50	<0.50
PMW2	09/17/08	322.37	13.10	309.27	No	<50	8.4	<0.50	<0.50	<0.50	<0.50
PMW2	12/22/08	322.37	13.10	309.27	No	<50	1.5	<0.50	<0.50	<0.50	<0.50
PMW2	03/02/09	n	7.85	314.52	No	<50	0.54	<0.50	<0.50	<0.50	<1.0
PMW2	06/24/09	n	11.46	310.91	No	<50	0.55	<0.50	<0.50	<0.50	<1.0
PMW2	11/09/09	n	11.29	311.08	No	<50	5.0	0.310	<0.50	<0.50	0.420,p
PMW2	06/01/10	n	10.35	312.02	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW2	10/26/10	n	10.95	311.42	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW2	06/09/11	n	10.90	311.47	No	---	---	---	---	---	---
PMW2	06/10/11	n	---	---	---	<50	2.0	<0.50	<0.50	<0.50	0.63
<b>PMW2</b>	<b>11/15/11</b>	<b>322.37</b>	<b>11.11</b>	<b>311.26</b>	<b>No</b>	<b>60</b>	<b>8.3</b>	<b>0.56</b>	<b>1.3</b>	<b>5.0</b>	<b>9.7</b>
PMW3	12/22/99	321.27	12.61	308.66	No	---	---	---	---	---	---
PMW3	04/04/00	321.27	9.78	311.49	No	<50	250/310f	<1	<1	<1	<1
PMW3	06/15/00	Station operations transferred to Valero Energy Corporation.									
PMW3	06/28/00	321.27	10.52	310.75	No	<50	31.5f	<0.5	<0.5	<0.5	<0.5
PMW3	09/26/00	321.27	10.39	310.88	No	<50	13.6f	<0.5	<0.5	<0.5	<0.5
PMW3	12/28/00	321.27	12.20	309.07	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
PMW3	03/28/01	321.27	9.37	311.90	No	<50	<2.5/1.08f	<0.5	<0.5	<0.5	<0.5
PMW3	06/25/01	321.27	12.47	308.80	No	63	<2.5	2.1	6.8	2.4	11
PMW3	09/26/01	321.27	9.81	311.46	No	<50	<2.5	2.0	3.7	1.4	5.9

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
PMW3	12/17/01	321.27	7.16	314.11	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
PMW3	03/18/02	321.27	9.89	311.38	No	<50	2.30/0.7f	<0.5	<0.5	<0.5	<0.5
PMW3	06/17/02	321.27	10.35	310.92	No	---	---	---	---	---	---
PMW3	06/18/02	321.27	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	09/16/02	321.27	Dry	---	---	---	---	---	---	---	---
PMW3	12/17/02	321.27	7.76	313.51	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	03/28/03	321.27	11.00	310.27	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	06/16/03	321.27	10.76	310.51	No	---	---	---	---	---	---
PMW3	09/22/03	321.27	10.17	311.10	No	---	---	---	---	---	---
PMW3	12/22/03	321.27	9.11	312.16	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	03/23/04	321.27	10.27	311.00	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	06/21/04	321.27	10.94	310.33	No	---	---	---	---	---	---
PMW3	06/22/04	321.27	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
PMW3	09/20/04	321.27	10.44	310.83	No	---	---	---	---	---	---
PMW3	09/21/04	321.27	---	---	---	<50	1.5/1.30f	<0.5	<0.5	<0.5	<0.5
PMW3	12/20/04	321.27	10.61	310.66	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	03/28/05	321.27	8.36	312.91	No	---	---	---	---	---	---
PMW3	03/29/05	321.27	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	06/20/05	321.27	10.09	311.18	No	---	---	---	---	---	---
PMW3	06/21/05	321.27	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	09/25/05	321.27	10.08	311.19	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	12/21/05	321.27	10.20	311.07	No	<50	3.67	<0.5	0.89	<0.5	0.80
PMW3	03/21/06	321.27	11.01	310.26	No	---	---	---	---	---	---
PMW3	03/22/06	321.27	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	06/22/06	321.27	9.79	311.48	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW3	09/19/06	321.27	10.15	311.12	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW3	12/19/06	321.27	9.77	311.50	No	---	---	---	---	---	---
PMW3	12/20/06	321.27	---	---	---	<50.0	1.02	<0.50	<0.50	<0.50	<0.50
PMW3	03/20/07	321.27	9.75	311.52	No	---	---	---	---	---	---
PMW3	03/21/07	321.27	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW3	06/19/07	321.27	9.30	311.97	No	---	---	---	---	---	---
PMW3	06/20/07	321.27	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW3	09/18/07	321.27	10.08	311.19	No	---	---	---	---	---	---
PMW3	09/19/07	321.27	---	---	---	<50.0	0.700	<0.50	<0.50	<0.50	<0.50
PMW3	12/26/07	321.27	9.93	311.34	No	---	---	---	---	---	---
PMW3	12/27/07	321.27	---	---	---	<50.0	1.03	<0.50	<0.50	<0.50	<0.50
PMW3	03/26/08	321.27	9.66	311.61	No	---	---	---	---	---	---
PMW3	03/27/08	321.27	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW3	06/25/08	321.27	8.58	312.69	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
PMW3	09/17/08	n 321.27	12.45	308.82	No	<50	1.2	<0.50	<0.50	<0.50	<0.50
PMW3	12/22/08	n 321.27	8.31	312.96	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	03/02/09	n 321.27	5.03	316.24	No	50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW3	06/24/09	n 321.27	10.51	310.76	No	<50	0.081o	<0.50	<0.50	<0.50	<1.0
PMW3	11/09/09	n 321.27	10.02	311.25	No	<50	0.21o	<0.50	<0.50	<0.50	<1.0
PMW3	06/01/10	n 321.27	9.34	311.93	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW3	10/26/10	321.27	9.98	311.29	No	<50	0.17o	<0.50	<0.50	<0.50	<1.0
PMW3	06/09/11	321.27	10.10	311.17	No	---	---	---	---	---	---
PMW3	06/10/11	321.27	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
<b>PMW3</b>	<b>11/15/11</b>	<b>321.27</b>	<b>10.99</b>	<b>310.28</b>	<b>No</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>
PMW4	12/22/99	321.37	15.32	306.05	No	---	---	---	---	---	---
PMW4	04/04/00	321.37	10.60	310.77	No	<50	28/27f	<1	<1	<1	<1
PMW4	06/15/00	Station operations transferred to Valero Energy Corporation.									
PMW4	06/28/00	321.37	14.00	307.37	No	<50	3.73f	<0.5	<0.5	<0.5	<0.5
PMW4	09/26/00	321.37	Dry	---	---	---	---	---	---	---	---
PMW4	12/28/00	321.37	Dry	---	---	---	---	---	---	---	---
PMW4	03/28/01	321.37	14.11	307.26	No	<50	<2.5/1.11f	<0.5	<0.5	<0.5	<0.5
PMW4	06/25/01	321.37	15.07	306.30	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
PMW4	09/26/01	321.37	14.11	307.26	No	110	<2.5	7.4	13	4.2	18
PMW4	12/17/01	321.37	11.86	309.51	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
PMW4	03/18/02	321.37	14.17	307.20	No	---	---	---	---	---	---
PMW4	03/19/02	321.37	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW4	06/17/02	321.37	15.55	305.82	No	---	---	---	---	---	---
PMW4	09/15/02	321.37	Dry	---	---	---	---	---	---	---	---
PMW4	12/17/02	321.37	15.22	306.15	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW4	03/28/03	321.37	14.95	306.42	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW4	06/16/03	321.37	14.80	306.57	No	---	---	---	---	---	---
PMW4	09/22/03	321.37	Dry	---	---	---	---	---	---	---	---
PMW4	12/22/03	321.37	15.28	306.09	No	---	---	---	---	---	---
PMW4	03/23/04	321.37	14.40	306.97	No	---	---	---	---	---	---
PMW4	06/21/04	321.37	15.32	306.05	No	---	---	---	---	---	---
PMW4	06/22/04	321.37	---	---	---	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
PMW4	09/20/04	321.37	15.50	305.87	No	---	---	---	---	---	---
PMW4	09/21/04	321.37	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
PMW4	12/20/04	321.37	13.52	307.85	No	<50	<0.5	<0.5	0.7	<0.5	0.7
PMW4	03/28/05	321.37	10.30	311.07	No	<50	<0.5	<0.5	0.5	<0.5	<0.5
PMW4	06/20/05	321.37	12.91	308.46	No	---	---	---	---	---	---
PMW4	06/21/05	321.37	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
PMW4	09/25/05	321.37	14.55	306.82	No	---	---	---	---	---	---	
PMW4	12/21/05	321.37	13.37	308.00	No	<50	<0.5	<0.5	1.17	<0.5	1.83	
PMW4	03/21/06	321.37	14.12	307.25	No	---	---	---	---	---	---	
PMW4	03/22/06	321.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	
PMW4	06/22/06	321.37	11.39	309.98	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50	
PMW4	09/19/06	321.37	13.22	308.15	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50	
PMW4	12/19/06	321.37	13.22	308.15	No	---	---	---	---	---	---	
PMW4	12/20/06	321.37	---	---	---	<50.0	<0.500	<0.50	1.13	<0.50	<0.50	
PMW4	03/20/07	321.37	12.27	309.10	No	---	---	---	---	---	---	
PMW4	03/21/07	321.37	---	---	---	<50.0	<0.500	<0.50	0.84	<0.50	<0.50	
PMW4	06/19/07	321.37	11.57	309.80	No	---	---	---	---	---	---	
PMW4	06/20/07	321.37	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50	
PMW4	09/18/07	321.37	12.50	308.87	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50	
PMW4	12/26/07	321.37	13.08	308.29	No	---	---	---	---	---	---	
PMW4	12/27/07	321.37	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50	
PMW4	03/26/08	321.37	10.51	310.86	No	---	---	---	---	---	---	
PMW4	03/27/08	321.37	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50	
PMW4	06/25/08	321.37	13.20	308.17	No	---	---	---	---	---	---	
PMW4	06/26/08	321.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	
PMW4	09/17/08	321.37	15.40	305.97	No	---	---	---	---	---	---	
PMW4	12/22/08	321.37	Dry	---	---	---	---	---	---	---	---	
PMW4	03/02/09	n	321.37	9.00	312.37	No	53	<0.50	0.18o,p	0.20o	<0.50	<1.0
PMW4	06/24/09	n	321.37	13.09	308.28	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW4	11/09/09	n	321.37	13.30	308.07	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW4	06/01/10	n	321.37	11.17	310.20	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW4	10/26/10	n	321.37	12.68	308.69	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW4	06/09/11	321.37	13.31	308.06	No	<50	<0.50	0.51	0.96	<0.50	2.6	
<b>PMW4</b>	<b>11/15/11</b>	<b>321.37</b>	<b>13.15</b>	<b>308.22</b>	<b>No</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>	
PMW5	12/22/99	320.04	13.19	306.85	No	<50	810f	1.0	<1.0	<1.0	<1.0	
PMW5	04/04/00	320.04	9.61	310.43	No	<50	680/890f	<1	<1	<1	<1	
PMW5	06/15/00	Station operations transferred to Valero Energy Corporation.										
PMW5	06/28/00	320.04	10.10	309.94	No	<50	629f	1.79	<0.5	<0.5	<0.5	
PMW5	09/26/00	320.04	12.15	307.89	No	<50	743f	1.83	<0.5	<0.5	<0.5	
PMW5	12/28/00	320.04	12.48	307.56	No	<50	919f	1.93	<0.5	<0.5	<0.5	
PMW5	03/28/01	320.04	6.90	313.14	No	<50	420/304f	1.38	0.790	<0.5	<0.5	
PMW5	06/25/01	320.04	11.74	308.30	No	<50	540/560f	1.1	<0.5	<0.5	<0.5	
PMW5	09/26/01	320.04	12.30	307.74	No	<50	500/440f	3.8	3.6	1.2	5.9	
PMW5	12/17/01	320.04	8.89	311.15	No	<50	230/94f	<0.5	<0.5	<0.5	<0.5	

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
PMW5	03/18/02	320.04	10.70	309.34	No	---	---	---	---	---	---
PMW5	03/19/02	320.04	---	---	---	179	152/35f	<0.5	<0.5	<0.5	<0.5
PMW5	06/17/02	320.04	12.82	307.22	No	---	---	---	---	---	---
PMW5	06/18/02	320.04	---	---	---	167	260/226f	1.1	0.5	<0.5	<0.5
PMW5	09/16/02	320.04	Dry	---	---	---	---	---	---	---	---
PMW5	12/17/02	320.04	13.05	306.99	No	172	228/192f	1.2	<0.5	<0.5	<0.5
PMW5	03/28/03	320.04	14.95	305.09	No	192	234/244f	0.80	<0.5	<0.5	<0.5
PMW5	06/16/03	320.04	12.94	307.10	No	---	---	---	---	---	---
PMW5	09/22/03	320.04	14.10	305.94	No	---	---	---	---	---	---
PMW5	12/22/03	320.04	13.55	306.49	No	---	---	---	---	---	---
PMW5	03/23/04	320.04	10.85	309.19	No	<50	34.7/34.5f	<0.5	<0.5	<0.5	<0.5
PMW5	06/21/04	320.04	13.25	306.79	No	---	---	---	---	---	---
PMW5	06/22/04	320.04	---	---	---	<50	18.8f	<0.5	<0.5	<0.5	<0.5
PMW5	09/20/04	320.04	13.95	306.09	No	---	---	---	---	---	---
PMW5	09/21/04 j	320.04	---	---	---	<50	<0.5	<0.5	5.7	0.9	6.8
PMW5	12/20/04 j	320.04	13.89	306.15	No	<50	1.2/1.47f	<0.5	1.1	<0.5	1.4
PMW5	03/28/05	320.04	9.98	310.06	No	<50	34.0	<0.5	<0.5	<0.5	<0.5
PMW5	06/20/05	320.04	10.40	309.64	No	---	---	---	---	---	---
PMW5	06/21/05	320.04	---	---	---	<50	46.0	<0.5	<0.5	<0.5	<0.5
PMW5	09/25/05	320.04	12.24	307.80	No	<50	70.1	<0.5	<0.5	<0.5	<0.5
PMW5	12/21/05	320.04	13.29	306.75	No	---	---	---	---	---	---
PMW5	03/21/06	320.04	14.03	306.01	No	---	---	---	---	---	---
PMW5	03/22/06 j	320.04	---	---	---	<50	1.5	<0.50	0.84	<0.50	<0.50
PMW5	06/22/06	320.04	9.02	311.02	No	---	---	---	---	---	---
PMW5	06/23/06	320.04	---	---	---	109	40.6	<0.50	<0.50	<0.50	<0.50
PMW5	09/19/06	320.04	10.96	309.08	No	---	---	---	---	---	---
PMW5	09/20/06	320.04	---	---	---	<50.0	27.1	<0.50	<0.50	<0.50	<0.50
PMW5	12/19/06	320.04	10.38	309.66	No	---	---	---	---	---	---
PMW5	12/20/06	320.04	---	---	---	<50.0	32	<0.50	<0.50	<0.50	<0.50
PMW5	03/20/07	320.04	9.79	310.25	No	---	---	---	---	---	---
PMW5	03/21/07	320.04	---	---	---	<50.0	1.05	<0.50	<0.50	<0.50	<0.50
PMW5	06/19/07	320.04	10.01	310.03	No	<50.0	25.3	<0.50	1.26	<0.50	<0.50
PMW5	09/18/07	320.04	10.72	309.32	No	<50.0	23.2	<0.50	2.53	<0.50	<0.50
PMW5	12/26/07	320.04	10.51	309.53	No	67.7	15.8	<0.50	<0.50	<0.50	<0.50
PMW5	03/26/08	320.04	8.80	311.24	No	<50.0	15.2	<0.50	<0.50	<0.50	<0.50
PMW5	06/25/08	320.04	10.69	309.35	No	<50	25	<0.50	<0.50	<0.50	<0.50
PMW5	09/17/08	320.04	13.00	307.04	No	<50	37	<0.50	<0.50	<0.50	<0.50
PMW5	12/22/08	320.04	13.35	306.69	No	<50	4.0	<0.50	<0.50	<0.50	<0.50
PMW5	03/02/09 n	320.04	7.00	313.04	No	<50	0.33o	<0.50	<0.50	<0.50	<1.0

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
PMW5	06/24/09	n 320.04	10.20	309.84	No	<50	20o	<0.50	<0.50	<0.50	<1.0
PMW5	11/09/09	320.04	13.25	306.79	No	<50	5.9	<0.50	<0.50	<0.50	<1.0
PMW5	06/01/10	320.04	8.98	311.06	No	<50	11	<0.50	0.18o,p	<0.50	<1.0
PMW5	10/26/10	320.04	11.65	308.39	No	<50	15	<0.50	<0.50	<0.50	<1.0
PMW5	06/09/11	320.04	10.50	309.54	No	---	---	---	---	---	---
PMW5	06/10/11	320.04	---	---	---	<50	7.1	<0.50	<0.50	<0.50	<0.50
<b>PMW5</b>	<b>11/15/11</b>	<b>320.04</b>	<b>12.33</b>	<b>307.71</b>	<b>No</b>	---	---	---	---	---	---
<b>PMW5</b>	<b>11/16/11</b>	<b>320.04</b>	---	---	---	<b>54</b>	<b>17</b>	<b>&lt;0.50</b>	<b>0.63</b>	<b>2.3</b>	<b>4.2</b>
PMW6	12/22/99	321.38	Dry	---	---	---	---	---	---	---	---
PMW6	04/04/00	321.38	15.10	---	---	---	---	---	---	---	---
PMW6	06/15/00	Station operations transferred to Valero Energy Corporation,									
PMW6	06/28/00	321.38	14.60	---	---	---	---	---	---	---	---
PMW6	09/26/00	321.38	---	---	---	---	---	---	---	---	---
PMW6	12/28/00	321.38	Dry	---	---	---	---	---	---	---	---
PMW6	03/28/01	321.38	Dry	---	---	---	---	---	---	---	---
PMW6	06/25/01	321.38	14.82	306.56	---	<50	<2.5	<0.5	<0.5	<0.5	<0.5
PMW6	09/26/01	321.38	15.42	305.96	No	---	---	---	---	---	---
PMW6	12/17/01	321.38	15.12	306.26	No	---	---	---	---	---	---
PMW6	03/18/02	321.38	15.51	305.87	No	---	---	---	---	---	---
PMW6	06/17/02	321.38	15.56	305.82	No	---	---	---	---	---	---
PMW6	09/16/02	321.38	Dry	---	---	---	---	---	---	---	---
PMW6	12/17/02	321.38	Dry	---	---	---	---	---	---	---	---
PMW6	03/28/03	321.38	Dry	---	---	---	---	---	---	---	---
PMW6	06/16/03	321.38	14.88	---	No	---	---	---	---	---	---
PMW6	09/22/03	321.38	Dry	---	---	---	---	---	---	---	---
PMW6	12/22/03	321.38	15.48	305.90	No	---	---	---	---	---	---
PMW6	03/23/04	321.38	14.39	306.99	No	<50	<0.5	0.50	<0.5	<0.5	<0.5
PMW6	06/21/04	321.38	15.45	305.93	No	---	---	---	---	---	---
PMW6	06/22/04	321.38	---	---	---	<50	<0.5f	<0.5	0.6	<0.5	0.8
PMW6	09/20/04	321.38	15.57	305.81	No	---	---	---	---	---	---
PMW6	12/20/04	321.38	15.56	305.82	No	---	---	---	---	---	---
PMW6	03/28/05	321.38	14.44	306.94	No	<50	<0.5	<0.5	0.7	<0.5	0.9
PMW6	06/20/05	321.38	14.67	306.71	No	---	---	---	---	---	---
PMW6	09/25/05	321.38	15.36	306.02	No	---	---	---	---	---	---
PMW6	12/21/05	321.38	15.32	306.06	No	---	---	---	---	---	---
PMW6	03/21/06	321.38	14.43	306.95	No	---	---	---	---	---	---
PMW6	03/22/06	321.38	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	0.79
PMW6	06/22/06	321.38	14.59	306.79	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
PMW6	09/19/06	321.38	15.43	305.95	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW6	12/19/06	321.38	15.21	306.17	No	---	---	---	---	---	---
PMW6	12/20/06	321.38	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW6	03/20/07	321.38	15.44	305.94	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW6	06/19/07	321.38	15.61	305.77	No	---	---	---	---	---	---
PMW6	09/18/07	321.38	15.75	305.63	No	---	---	---	---	---	---
PMW6	12/26/07	321.38	15.78	305.60	No	---	---	---	---	---	---
PMW6	03/26/08	321.38	13.56	307.82	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
PMW6	06/25/08	321.38	15.47	305.91	No	---	---	---	---	---	---
PMW6	09/17/08	321.38	15.54	305.84	No	---	---	---	---	---	---
PMW6	12/22/08	321.38	12.71	308.67	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW6	03/02/09	n 321.38	13.44	307.94	No	<50	<0.50	<0.50	0.20o	<0.50	0.30o,p
PMW6	06/24/09	n 321.38	14.84	306.54	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW6	11/09/09	321.38	15.51	305.87	No	---	---	---	---	---	---
PMW6	06/01/10	n 321.38	14.84	306.54	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW6	10/26/10	n 321.38	15.43	305.95	No	---	---	---	---	---	---
PMW6	06/09/11	321.38	15.10	306.28	No	<50	<0.50	<0.50	<0.50	<0.50	2.0
<b>PMW6</b>	<b>11/15/11</b>	<b>v 321.38</b>	<b>15.52u</b>	<b>u</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
VR1	03/24/92	---	---	---	---	<50	---	1.7	<0.5	<0.5	<0.5
VR1	06/30/99	---	19.52	---	No	<50	6.83/7.31f,h	<0.5	<0.5	<0.5	<0.5
VR1	08/03/99	---	19.53	---	No	<50	2.49f	<0.5	<0.5	<0.5	<0.5
VR1	09/24/99	321.00	19.73	301.27	No	<50	5.94f	<0.5	<0.5	<0.5	<0.5
VR1	12/22/99	321.00	21.35	299.65	No	<50	10f	<1.0	<1.0	<1.0	<1.0
VR1	04/04/00	321.00	19.23	301.77	No	<50	4,500/5,500f	<1	<1	<1	<1
VR1	06/15/00	Station operations transferred to Valero Energy Corporation.									
VR1	06/28/00	321.00	20.42	300.58	No	<50	1,370f	<0.5	<0.5	<0.5	<0.5
VR1	09/26/00	321.00	21.92	299.08	No	<50	387f	<0.5	<0.5	<0.5	<0.5
VR1	12/28/00	321.00	21.85	299.15	No	<50	200f	<0.5	<0.5	<0.5	<0.5
VR1	03/28/01	320.90	23.99	296.91	No	<50	86.6/55.9f	<0.5	<0.5	<0.5	<0.5
VR1	06/25/01	320.90	23.84	297.06	No	---	---	---	---	---	---
VR1	09/26/01	320.90	23.96	296.94	No	<50	140/130f	<0.5	0.53	<0.5	<0.5
VR1	12/17/01	321.00	24.12	296.88	No	<50	100/39f	<0.5	<0.5	<0.5	<0.5
VR1	03/18/02	321.00	23.07	297.93	No	---	---	---	---	---	---
VR1	03/19/02	321.00	---	---	---	1,240	1,340/1,450f	<0.5	<0.5	<0.5	<0.5
VR1	06/17/02	321.00	24.46	296.54	No	---	---	---	---	---	---
VR1	06/18/02	321.00	---	---	---	122	188/160f	<0.5	<0.5	<0.5	<0.5
VR1	09/16/02	321.00	27.07	293.93	No	135	175f	<0.5	<0.5	<0.5	<0.5
VR1	12/17/02	321.00	24.25	296.75	No	<50	3.3/2.50f	<0.5	<0.5	<0.5	<0.5



**TABLE 1A  
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
VR2	06/30/99	---	33.63	---	No	<50	1,080/1,160f,h	<0.5	<0.5	<0.5	<0.5
VR2	08/03/99	---	37.19	---	No	<50	3,390f	<0.5	<0.5	<0.5	<0.5
VR2	09/24/99	320.18	41.54	278.64	No	5,170	1,030f	2,650	<50	<50	309
VR2	12/22/99	320.18	40.63	279.55	No	<50	34f	<1.0	<1.0	<1.0	<1.0
VR2	01/21/00	320.18	39.04	281.14	No	<50	17f	<1.0	<1.0	<1.0	<1.0
VR2	04/04/00	320.18	35.63	284.55	No	<50	370/400f	<1	<1	<1	<1
VR2	06/15/00	Station operations transferred to Valero Energy Corporation.									
VR2	06/28/00	320.18	39.28	280.90	No	<50	268f	1.12	<1	<1	<1
VR2	09/26/00	320.18	Dry	---	---	---	---	---	---	---	---
VR2	12/28/00	320.18	42.55	277.63	No	<50	10.6f	<0.5	<0.5	<0.5	<0.5
VR2	03/28/01	320.18	42.00	278.18	No	<50	5.85/2.98f	<0.5	<0.5	<0.5	<0.5
VR2	06/25/01	320.18	Dry	---	---	---	---	---	---	---	---
VR2	09/26/01	320.18	Dry	---	---	---	---	---	---	---	---
VR2	12/17/01	320.18	Dry	---	---	---	---	---	---	---	---
VR2	03/18/02	320.18	Dry	---	---	---	---	---	---	---	---
VR2	06/17/02	320.18	Dry	---	---	---	---	---	---	---	---
VR2	09/16/02	320.18	Dry	---	---	---	---	---	---	---	---
VR2	12/17/02	320.18	Dry	---	---	---	---	---	---	---	---
VR2	03/28/03	320.18	Dry	---	---	---	---	---	---	---	---
VR2	06/16/03	320.18	Dry	---	---	---	---	---	---	---	---
VR2	09/22/03	320.18	Dry	---	---	---	---	---	---	---	---
VR2	12/22/03	320.18	Dry	---	---	---	---	---	---	---	---
VR2	03/23/04	320.18	Dry	---	---	---	---	---	---	---	---
VR2	06/21/04	320.18	Dry	---	---	---	---	---	---	---	---
VR2	09/20/04	320.18	Dry	---	---	---	---	---	---	---	---
VR2	09/20/04	320.18	Dry	---	---	---	---	---	---	---	---
VR2	03/28/05	320.18	Dry	---	---	---	---	---	---	---	---
VR2	06/20/05	320.18	43.06	277.12	No	---	---	---	---	---	---
VR2	09/25/05	320.18	Dry	---	No	---	---	---	---	---	---
VR2	12/21/05	320.18	38.43	281.75	No	<50	3.60	<0.5	<0.5	<0.5	0.95
VR2	03/21/06	320.18	39.44	280.74	No	---	---	---	---	---	---
VR2	03/22/06	320.18	---	---	---	830	1,500	<0.50	<0.50	<0.50	<0.50
VR2	06/22/06	320.18	23.93	296.25	No	---	---	---	---	---	---
VR2	06/23/06	320.18	---	---	---	1,560	1,420	<0.50	<0.50	<0.50	<0.50
VR2	09/19/06	320.18	27.32	292.86	No	---	---	---	---	---	---
VR2	09/20/06	320.18	---	---	---	2,690	1,150	<0.50	<0.50	<0.50	<0.50
VR2	12/19/06	320.18	23.51	296.67	No	---	---	---	---	---	---
VR2	12/20/06	320.18	---	---	---	3,720	3,380	<0.50	<0.50	<0.50	<0.50

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
VR2	03/20/07	320.18	17.25	302.93	No	---	---	---	---	---	---
VR2	03/21/07	320.18	---	---	---	1,270	863	<0.50	<0.50	<0.50	<0.50
VR2	06/19/07	320.18	25.74	294.44	No	2,120	2,630	<0.50	<0.50	<0.50	<0.50
VR2	09/18/07	320.18	25.20	294.98	No	2,990	1,680	<0.50	<0.50	<0.50	<0.50
VR2	12/26/07	320.18	19.06	301.12	No	1,530	1,770	<0.50	<0.50	<0.50	<0.50
VR2	03/26/08	320.18	19.98	300.20	No	1,780k	2,050	<0.50	<0.50	<0.50	<0.50
VR2	06/25/08	320.18	26.10	294.08	No	1,300m	2,300	<0.50	<0.50	<0.50	<0.50
VR2	09/17/08	320.18	31.10	289.08	No	390m	1,900	<0.50	<0.50	<0.50	<0.50
VR2	12/22/08	320.18	28.40	291.78	No	1,300m	1,700	<0.50	<0.50	<0.50	<0.50
VR2	03/02/09	n 320.18	24.68	295.50	No	780	1,500	<0.50	<0.50	<0.50	<1.0
VR2	06/24/09	n 320.18	29.44	290.74	No	1,000	2,300	<0.50	<0.50	<0.50	<1.0
VR2	11/09/09	320.18	35.15	285.03	No	2,200q	3,800	<0.50	0.29o,p	<0.50	<1.0
VR2	06/01/10	320.18	30.70	289.48	No	4,200q	5,300	<0.50	<0.50	<0.50	<1.0
VR2	10/26/10	320.18	35.20	284.98	No	3,500q	4,700	<0.50	<0.50	<0.50	<1.0
VR2	06/09/11	320.18	29.90	290.28	No	---	---	---	---	---	---
VR2	06/10/11	320.18	---	---	---	76q	560	<10	<10	<10	<10
<b>VR2</b>	<b>11/15/11</b>	<b>320.18</b>	<b>32.74</b>	<b>287.44</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>VR2</b>	<b>11/16/11</b>	<b>320.18</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>480q</b>	<b>880</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>	<b>&lt;10</b>
VR3	06/30/99	---	9.15	---	No	<50	1,220/1,380f,h	<0.5	<0.5	<0.5	<0.5
VR3	08/03/99	---	8.19	---	No	<50	16,100f	<0.5	<0.5	<0.5	<0.5
VR3	09/24/99	318.73	8.97	309.76	No	122	10,900f	7.20	1.14	<1.0	1.94
VR3	11/05/99	Well destroyed.									
VR4	06/30/99	---	8.50	---	No	<50	146	<0.5	<0.5	<0.5	<0.5
VR4	08/03/99	---	8.69	---	No	71.7g	3.96f	<0.5	<0.5	<0.5	<0.5
VR4	09/24/99	321.19	9.10	312.09	No	79.6	90.6f	0.890	2.22	0.800	3.15
VR4	11/05/99	Well destroyed.									
<b>Grab Groundwater Samples</b>											
B12	11/03/89	55	---	---	---	<2.0	---	<0.050	<0.050	<0.050	0.06
B12	11/03/89	70	---	---	---	<2.0	---	<0.050	<0.050	<0.050	<0.050
B12	11/03/89	84	---	---	---	<2.0	---	<0.050	<0.050	<0.050	51
B16	12/02/93	4.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	10	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	15	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	20	---	---	---	<1.0	---	0.031	<0.0050	0.038	0.011



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
B16	12/02/93	24.5	---	---	---	<1.0	---	0.0095	<0.0050	0.044	<0.0050
B16	12/02/93	30	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	35	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	39.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	45	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	50	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B16	12/02/93	54	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B17	12/02/93	4.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B17	12/02/93	10	---	---	---	530	---	0.21	5.1	7	63
B17	12/02/93	15	---	---	---	590	---	14	<0.0050	19	80
B17	12/02/93	19.5	---	---	---	560	---	5.1	0.038	16	70
B17	12/02/93	24.5	---	---	---	170	---	2.3	0.044	5.4	26
B17	12/02/93	30	---	---	---	19	---	1.4	<0.0050	0.53	2.8
B17	12/02/93	34.5	---	---	---	8.7	---	1.5	<0.0050	0.65	2
B17	12/02/93	39.5	---	---	---	670	---	2.7	<0.0050	11	71
B17	12/02/93	45	---	---	---	1,100	---	<0.0050	<0.0050	0.53	6.7
B17	12/02/93	49.5	---	---	---	1.7	---	<0.0050	<0.0050	0.0066	0.036
B17	12/02/93	54.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	10	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	15	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	20	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	25	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	30	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	35	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	39.5	---	---	---	<1.0	---	0.094	0.027	0.038	0.072
B18	12/04/93	45	---	---	---	<1.0	---	0.057	<0.0050	0.044	0.0066
B18	12/04/93	49.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B18	12/04/93	54.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B19	12/01/93	5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B19	12/01/93	15	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B19	12/01/93	25.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B19	12/01/93	30	---	---	---	<1.0	---	0.094	0.027	0.038	0.072
B19	12/01/93	35	---	---	---	<1.0	---	0.057	<0.0050	0.044	0.0066
B19	12/01/93	40	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
B19	12/01/93	44.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B19	12/01/93	49.5	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
B19	12/01/93	53	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
GP-1-7.5	10/25/99	7.5	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-1-11.5	10/25/99	11.5	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-1-16	10/25/99	16	---	---	---	2.2	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-2-6	10/25/99	6	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-2-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-3-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-3-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-4-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-4-12	10/25/99	12	---	---	---	<1.0	0.07f	<0.005	<0.005	<0.005	<0.005
GP-5-8	10/25/99	8	---	---	---	<1.0	0.015	<0.005	<0.005	<0.005	<0.005
GP-5-12	10/25/99	12	---	---	---	<1.0	1,100f	<0.005	<0.005	<0.005	<0.005
GP-6-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-6-11	10/25/99	11	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-6-14	10/25/99	14	---	---	---	1.2	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-7-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-7-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-7-14	10/25/99	14	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-8-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-8-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-8-16	10/25/99	16	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-9-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-9-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-9-16	10/25/99	16	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-10-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-10-12	10/25/99	12	---	---	---	<1.0	0.02f	<0.005	<0.005	<0.005	<0.005

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
GP-10-16	10/25/99	16	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-11-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-11-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-12-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-12-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-13-8	10/25/99	8	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
GP-13-12	10/25/99	12	---	---	---	<1.0	<0.01f	<0.005	<0.005	<0.005	<0.005
SB1	03/11/97	46	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
SB2	03/11/97	4	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
SB2	03/11/97	10	---	---	---	2.4	---	<0.0050	0.006	0.0052	0.013
SB2	03/11/97	21	---	---	---	2.2	---	0.042	0.014	0.009	0.036
SB2	03/11/97	41	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
SB2	03/11/97	46	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
SB3	03/11/97	4	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
SB3	03/11/97	21	---	---	---	6.4	---	0.15	<0.0050	<0.0050	0.029
SB3	03/11/97	26	---	---	---	2	---	0.052	<0.0050	0.02	0.009
SB3	03/11/97	31	---	---	---	<1.0	---	0.014	<0.0050	0.039	0.03
SB3	03/11/97	41	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
SB3	03/11/97	46	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
SB4	03/11/97	4	---	---	---	1.2	---	<0.0050	<0.0050	0.014	0.012
SB4	03/11/97	16	---	---	---	16	---	0.27	<0.010	1.2	0.22
SB4	03/11/97	21	---	---	---	32	---	0.21	<0.010	0.03	<0.010
SB4	03/11/97	26	---	---	---	59	---	0.27	0.35	2.8	11
SB4	03/11/97	31	---	---	---	29	---	0.031	1.6	1.4	4.5
SB4	03/11/97	46	---	---	---	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050
BH1	02/03/06	41 - 44.5	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
BH2	01/10/11	47 - 48	---	---	---	<50	41	3.1	<0.50	<0.50	<0.50
BH2	01/10/11	48 - 52	---	---	---	<50	25	3.7	<0.50	<0.50	0.19p
BH3	01/10/11	43 - 48	---	---	---	120q	180	0.50	0.83	0.47p	1.2
BH3	01/10/11	51 - 52	---	---	---	300q	210	1.6	1.1	4.2	3.7

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	TOC (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
BH4	01/11/11	40 - 43	---	---	---	600	16	1.4	1.4	15	32
BH4	01/11/11	51 - 52	---	---	---	5,900	160	9.3	8.0	180	380
BH5	01/11/11	40 - 43	---	---	---	94q	54	0.24p	0.34p	0.24p	0.66
BH5	01/11/11	49 - 52	---	---	---	100	0.72	0.29p	0.71	0.30	1.0
BH6	01/12/11	40 - 43	---	---	---	65q	110	<0.50	<0.50	<0.50	<0.50
BH6	01/12/11	47 - 52	---	---	---	75q	7.8	0.27p	0.59	0.21p	1.0
BH7	01/12/11	41 - 43	---	---	---	900q	1,100	6.3	4.2p	1.0p	2.4p
BH7	01/12/11	50 - 52	---	---	---	230q	36	1.5	1.6	0.48p	1.4
BH8	01/13/11	41 - 43	---	---	---	140	62	<0.50	<0.50	<0.50	<0.50
BH8	01/13/11	50 - 52	---	---	---	110	96	0.33p	0.34p	0.063p	0.25p
BH9	01/13/11	41 - 43	---	---	---	<50	0.83	<0.50	<0.50	<0.50	<0.50
BH9	01/13/11	48 - 52	---	---	---	70	98	1.9	1.5	0.20p	0.41p
BH10	01/14/11	51 - 52	---	---	---	<50	3.3	<0.50	<0.50	<0.50	<0.50

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. Groundwater elevations adjusted for LPH, when present, using an average specific gravity of 0.75 for gasoline.
- NAPL = Non-aqueous phase liquid.
- TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B. TPHg results beginning March 2002 include MTBE.
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8206B; prior to March 2005 analyzed using EPA Method 8021B unless otherwise footnoted.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B or 8260B.
- ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
- TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
- TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
- EDB = 1,2-dibromoethane analyzed using EPA Method 8260B.
- 1,2-DCA = 1,2-dichloroethane analyzed using EPA Method 8260B.
- DIPE = Di-isopropyl ether analyzed using EPA Method 8260B.
- µg/L = Micrograms per liter.
- ND = Not detected.
- = Not measured/Not sampled/Not analyzed.

**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

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Notes (Cont.):

- < = Less than than stated laboratory reporting limit.
- a = Water level recorded during pumping of MW7.
- b = Anomalous water level possibly due to recharge from a perched water zone.
- c = Casing head cut to lower elevation.
- d = Casing head damaged by construction.
- e = Results obtained past the technical holding time.
- f = Analyzed using EPA Method 8260.
- g = Unidentified hydrocarbon C6-C12.
- h = Analysis performed outside of EPA recommended holding time.
- i = Groundwater level measured is in sump for groundwater extraction pump, near the bottom of the well and below the screened interval, and is not considered representative of groundwater elevation.
- j = Grab groundwater sample collected.
- k = Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
- l = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.
- m = Hydrocarbon result partly due to individual peak(s) in quantitation range.
- n = Groundwater samples for laboratory analysis collected 1 or 2 days after (measurement of depth to) groundwater gauging event.
- o = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
- p = Analyte presence was not confirmed by second column or GC/MS analysis.
- q = The sample chromatographic pattern does not match that of the specified standard.
- r = The sample, as received, was not preserved in accordance with the referenced analytical method.
- s = Technician inadvertantly did not record this result in the field notes.
- t = Well inaccessible during gauging and/or sampling.
- u = DTW measured in well indicates less than 6-inches of water in the well, which is not representative of the actual depth to groundwater table.  
Groundwater elevation not calculated, data not used to compile groundwater elevation map.
- v = Not enough water to sample.

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW1	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	09/21/04	<100	---	---	---	---	---	---
MW1	12/20/04	<100	---	---	---	---	---	---
MW1	03/29/05	<100	---	---	---	---	---	---
MW1	06/21/05	<100	---	---	---	---	---	---
MW1	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	12/21/05	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW1	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	06/22/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW1	09/19/06	<100	---	---	---	---	---	---
MW1	12/20/06	<100	---	---	---	---	---	---
MW1	03/21/07	<100	---	---	---	---	---	---
MW1	06/20/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW1	09/19/07	<100	---	---	---	---	---	---
MW1	12/27/07	<100	---	---	---	---	---	---
MW1	03/27/08	<100	---	---	---	---	---	---
MW1	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	09/18/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	12/23/08	<100	---	---	---	---	---	---
MW1	03/04/09	<50	---	---	---	---	---	---
MW1	06/25/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	11/10/09	<50	---	---	---	---	---	---
MW1	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	10/26/10	<50	---	---	---	---	---	---
MW1	06/09/11	---	---	---	---	---	---	---
<b>MW1</b>	<b>11/15/11</b>	---	---	---	---	---	---	---
MW2	04/22/88 - 07/06/88	Not analyzed for these analytes.						
MW2	07/21/88							
MW3	04/06/88 - 08/26/88	Not analyzed for these analytes.						
MW3	08/29/88							
MW4	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	09/21/04	<100	---	---	---	---	---	---
MW4	03/28/05	---	---	---	---	---	---	---
MW4	09/26/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW4	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW4	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW4	09/19/06	---	---	---	---	---	---	---
MW4	12/20/06	---	---	---	---	---	---	---
MW4	03/21/07	---	---	---	---	---	---	---
MW4	06/20/07	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW4	09/18/07	---	---	---	---	---	---	---
MW4	12/27/07	---	---	---	---	---	---	---
MW4	03/27/08	---	---	---	---	---	---	---
MW4	06/26/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	09/17/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	12/23/08	---	---	---	---	---	---	---
MW4	03/04/09	---	---	---	---	---	---	---
MW4	06/25/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	11/10/09	---	---	---	---	---	---	---
MW4	06/02/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	10/28/10	---	---	---	---	---	---	---
MW4	06/09/11	---	---	---	---	---	---	---
<b>MW4</b>	<b>11/15/11</b>	---	---	---	---	---	---	---
MW5D	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	06/21/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	09/20/04	<100	---	---	---	---	---	---
MW5D	03/28/05	---	---	---	---	---	---	---
MW5D	06/20/05	---	---	---	---	---	---	---
MW5D	09/26/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5D	03/21/06	62	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW5D	09/19/06	---	---	---	---	---	---	---
MW5D	12/20/06	---	---	---	---	---	---	---
MW5D	03/20/07	---	---	---	---	---	---	---
MW5D	06/19/07	---	---	---	---	---	---	---
MW5D	09/19/07	---	---	---	---	---	---	---
MW5D	12/26/07	---	---	---	---	---	---	---
MW5D	03/26/08	---	---	---	---	---	---	---
MW5D	06/25/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	09/17/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW5D	12/22/08	---	---	---	---	---	---	---
MW5D	03/02/09	---	---	---	---	---	---	---
MW5D	06/24/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	11/09/09	---	---	---	---	---	---	---
MW5D	06/01/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	10/27/10	---	---	---	---	---	---	---
MW5D	06/09/11	---	---	---	---	---	---	---
<b>MW5D</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
MW5S	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	06/21/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	09/20/04	<100	---	---	---	---	---	---
MW5S	03/28/05	---	---	---	---	---	---	---
MW5S	06/20/05	---	---	---	---	---	---	---
MW5S	09/26/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW5S	03/21/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW5S	09/19/06	---	---	---	---	---	---	---
MW5S	12/20/06	---	---	---	---	---	---	---
MW5S	03/20/07	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW5S	06/19/07	---	---	---	---	---	---	---
MW5S	09/19/07	---	---	---	---	---	---	---
MW5S	12/26/07	---	---	---	---	---	---	---
MW5S	03/26/08	---	---	---	---	---	---	---
MW5S	06/25/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	09/17/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	12/22/08	---	---	---	---	---	---	---
MW5S	03/02/09	---	---	---	---	---	---	---
MW5S	06/24/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	11/09/09	---	---	---	---	---	---	---
MW5S	06/01/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW5S	10/27/10	---	---	---	---	---	---	---
MW5S	06/09/11	---	---	---	---	---	---	---
<b>MW5S</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
MW7	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	09/21/04	<100	---	---	---	---	---	---
MW7	03/28/05	---	---	---	---	---	---	---



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW7	06/20/05	---	---	---	---	---	---	---
MW7	09/25/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW7	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW7	06/22/06	---	<10.0	<0.500	<0.500	<0.500	2.18	<0.500
MW7	09/19/06	---	---	---	---	---	---	---
MW7	12/20/06	---	---	---	---	---	---	---
MW7	03/20/07	---	---	---	---	---	---	---
MW7	06/19/07	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW7	09/19/07	---	---	---	---	---	---	---
MW7	12/26/07	---	---	---	---	---	---	---
MW7	03/26/08	---	---	---	---	---	---	---
MW7	06/25/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW7	09/18/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW7	12/22/08	---	---	---	---	---	---	---
MW7	03/03/09	---	---	---	---	---	---	---
MW7	06/25/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW7	11/09/09	---	---	---	---	---	---	---
MW7	06/02/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW7	10/27/10	---	---	---	---	---	---	---
MW7	06/09/11	---	---	---	---	---	---	---
<b>MW7</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
MW8	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	12/22/03	---	---	---	---	---	---	---
MW8	03/23/04	---	---	---	---	---	---	---
MW8	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	12/20/04	<100	---	---	---	---	---	---
MW8	03/29/05	<100	---	---	---	---	---	---
MW8	06/21/05	<100	---	---	---	---	---	---
MW8	09/26/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	12/21/05	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW8	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	06/23/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW8	09/20/06	<100	---	---	---	---	---	---
MW8	12/20/06	<100	---	---	---	---	---	---
MW8	03/21/07	<100	---	---	---	---	---	---
MW8	06/20/07	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW8	09/18/07	<100	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW8	12/27/07	<100	---	---	---	---	---	---
MW8	03/27/08	<100	---	---	---	---	---	---
MW8	06/26/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	09/17/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	12/23/08	<100	---	---	---	---	---	---
MW8	03/04/09	<50	---	---	---	---	---	---
MW8	06/25/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	11/10/09	<50	---	---	---	---	---	---
MW8	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	10/28/10	<50	---	---	---	---	---	---
MW8	06/10/11	---	---	---	---	---	---	---
<b>MW8</b>	<b>11/15/11 t</b>	---	---	---	---	---	---	---
MW9A	03/29/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW9A	06/20/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW9A	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW9A	12/21/05	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW9A	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW9A	06/23/06	<100	49.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW9A	09/19/06	<100	---	---	---	---	---	---
MW9A	12/20/06	<100	---	---	---	---	---	---
MW9A	03/21/07	<100	---	---	---	---	---	---
MW9A	06/20/07	<100	<10	<0.500	<0.500	<0.500	<0.500	<0.500
MW9A	09/18/07	<100	---	---	---	---	---	---
MW9A	12/27/07	<100	---	---	---	---	---	---
MW9A	03/27/08	<100	---	---	---	---	---	---
MW9A	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW9A	09/18/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW9A	12/23/08	<100	---	---	---	---	---	---
MW9A	03/04/09	<50	---	---	---	---	---	---
MW9A	06/24/09	<100	8.5p	<1.0	<1.0	0.24p	<1.0	<1.0
MW9A	11/10/09	<250	---	---	---	---	---	---
MW9A	06/01/10	<250	<50	<2.5	<2.5	<2.5	<2.5	<2.5
MW9A	10/28/10	<50	---	---	---	---	---	---
MW9A	06/09/11	---	---	---	---	---	---	---
<b>MW9A</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
MW10	03/28/05	<100	---	---	---	---	---	---
MW10	06/20/05	<100	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW10	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	12/21/05	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	06/22/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW10	09/19/06	<100	---	---	---	---	---	---
MW10	12/19/06	<100	---	---	---	---	---	---
MW10	03/20/07	<100	---	---	---	---	---	---
MW10	06/19/07	<100	---	---	---	---	---	---
MW10	12/26/07	<100	---	---	---	---	---	---
MW10	03/26/08	<100	---	---	---	---	---	---
MW10	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	09/17/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	12/22/08	<100	---	---	---	---	---	---
MW10	03/02/09	<50	---	---	---	---	---	---
MW10	06/24/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	11/09/09	<50	---	---	---	---	---	---
MW10	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	10/28/10	<50	---	---	---	---	---	---
MW10	06/09/11	---	---	---	---	---	---	---
<b>MW10</b>	<b>11/15/11</b>	---	---	---	---	---	---	---
MW11	12/17/02	---	---	---	---	---	---	---
MW11	06/21/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	03/28/05	---	---	---	---	---	---	---
MW11	06/20/05	---	---	---	---	---	---	---
MW11	09/25/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW11	03/21/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW11	09/19/06	---	---	---	---	---	---	---
MW11	12/19/06	---	---	---	---	---	---	---
MW11	03/20/07	---	---	---	---	---	---	---
MW11	06/19/07	---	---	---	---	---	---	---
MW11	09/18/07	---	---	---	---	---	---	---
MW11	12/26/07	---	---	---	---	---	---	---
MW11	03/26/08	---	---	---	---	---	---	---
MW11	06/25/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	09/18/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	12/22/08	---	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW11	03/03/09	---	---	---	---	---	---	---
MW11	06/24/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	11/09/09	---	---	---	---	---	---	---
MW11	06/02/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW11	10/26/10	---	---	---	---	---	---	---
MW11	06/09/11	---	---	---	---	---	---	---
<b>MW11</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
MW12A	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	06/21/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	09/20/04	<100	---	---	---	---	---	---
MW12A	03/28/05	---	---	---	---	---	---	---
MW12A	06/20/05	---	---	---	---	---	---	---
MW12A	09/26/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	03/21/06	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW12A	09/19/06	---	---	---	---	---	---	---
MW12A	12/20/06	---	---	---	---	---	---	---
MW12A	03/21/07	---	---	---	---	---	---	---
MW12A	06/20/07	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW12A	09/18/07	---	---	---	---	---	---	---
MW12A	12/26/07	---	---	---	---	---	---	---
MW12A	03/26/08	---	---	---	---	---	---	---
MW12A	06/25/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	09/17/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	12/22/08	---	---	---	---	---	---	---
MW12A	03/02/09	---	---	---	---	---	---	---
MW12A	06/24/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	11/09/09	---	---	---	---	---	---	---
MW12A	06/01/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	10/27/10	---	---	---	---	---	---	---
MW12A	06/09/11	Unable to locate.	---	---	---	---	---	---
<b>MW12A</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
MW13	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	06/21/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	09/20/04	<100	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW13	03/28/05	---	---	---	---	---	---	---
MW13	06/20/05	---	---	---	---	---	---	---
MW13	09/26/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	03/21/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW13	09/19/06	---	---	---	---	---	---	---
MW13	12/20/06	---	---	---	---	---	---	---
MW13	03/21/07	---	---	---	---	---	---	---
MW13	06/20/07	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW13	09/18/07	---	---	---	---	---	---	---
MW13	12/26/07	---	---	---	---	---	---	---
MW13	03/26/08	---	---	---	---	---	---	---
MW13	06/25/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	09/17/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	12/22/08	---	---	---	---	---	---	---
MW13	03/02/09	---	---	---	---	---	---	---
MW13	06/24/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	11/09/09	---	---	---	---	---	---	---
MW13	06/01/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	10/27/10	---	---	---	---	---	---	---
MW13	06/09/11	Unable to locate.	---	---	---	---	---	---
<b>MW13</b>	<b>11/15/11</b> t	---	---	---	---	---	---	---
MW14	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	06/21/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	09/21/04	<100	---	---	---	---	---	---
MW14	03/28/05	---	---	---	---	---	---	---
MW14	06/20/05	---	---	---	---	---	---	---
MW14	09/26/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	03/21/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW14	12/20/06	---	---	---	---	---	---	---
MW14	03/20/07	---	---	---	---	---	---	---
MW14	06/19/07	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
MW14	09/19/07	---	---	---	---	---	---	---
MW14	12/26/07	---	---	---	---	---	---	---
MW14	03/26/08	---	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW14	06/25/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	09/17/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	12/22/08	---	---	---	---	---	---	---
MW14	03/02/09	---	---	---	---	---	---	---
MW14	06/24/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	11/09/09	---	---	---	---	---	---	---
MW14	06/02/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	10/27/10	---	---	---	---	---	---	---
MW14	06/09/11	---	---	---	---	---	---	---
<b>MW14</b>	<b>11/17/11</b>	---	---	---	---	---	---	---
OW1	12/17/02	---	---	---	---	---	---	---
OW1	03/29/05	<100	---	---	---	---	---	---
OW1	06/21/05	<100	---	---	---	---	---	---
OW1	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
OW1	12/21/05	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
OW1	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
OW1	06/22/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
OW1	09/19/06	<100	---	---	---	---	---	---
OW1	12/20/06	<100	---	---	---	---	---	---
OW1	03/21/07	<100	---	---	---	---	---	---
OW1	06/20/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
OW1	09/19/07	<100	---	---	---	---	---	---
OW1	12/27/07	<100	---	---	---	---	---	---
OW1	03/27/08	<100	---	---	---	---	---	---
OW1	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
OW1	09/17/08	<100	33	<0.50	<0.50	<0.50	<0.50	<0.50
OW1	12/23/08	<100	---	---	---	---	---	---
OW1	03/04/09	<50	---	---	---	---	---	---
OW1	06/24/09	---	---	---	---	---	---	---
OW1	11/10/09	<50	---	---	---	---	---	---
OW1	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
OW1	10/26/10	<50	---	---	---	---	---	---
OW1	06/10/11	---	---	---	---	---	---	---
<b>OW1</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
OW2	12/17/02	---	---	---	---	---	---	---
OW2	06/17/03 j	---	---	---	---	---	---	---
OW2	12/22/03	---	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399  
 2991 Hopyard Road  
 Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
OW2	03/23/04	---	---	---	---	---	---	---
OW2	12/20/04	<100	---	---	---	---	---	---
OW2	03/29/05	<100	---	---	---	---	---	---
OW2	06/21/05	<100	---	---	---	---	---	---
OW2	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
OW2	12/21/05	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
OW2	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
OW2	06/23/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
OW2	09/20/06	<100	---	---	---	---	---	---
OW2	12/20/06	<100	---	---	---	---	---	---
OW2	03/20/07	<100	---	---	---	---	---	---
OW2	06/19/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
OW2	09/18/07	<100	---	---	---	---	---	---
OW2	12/26/07	<100	---	---	---	---	---	---
OW2	03/26/08	<100	---	---	---	---	---	---
OW2	06/25/08	<100	330	<0.50	<0.50	<0.50	<0.50	<0.50
OW2	09/17/08	<100	55	<0.50	<0.50	<0.50	<0.50	<0.50
OW2	12/22/08	<100	---	---	---	---	---	---
OW2	03/03/09	<50	---	---	---	---	---	---
OW2	06/24/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
OW2	11/09/09	<50	---	---	---	---	---	---
OW2	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
OW2	10/27/10	<50	---	---	---	---	---	---
OW2	06/10/11	---	---	---	---	---	---	---
<b>OW2</b>	<b>11/16/11</b>	---	---	---	---	---	---	---
PMW1	06/17/03	---	---	---	---	---	---	---
PMW1	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW1	12/21/05	<50	<10	<0.5	<0.5	<1	<0.5	<0.5
PMW1	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	06/22/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW1	09/19/06	<100	---	---	---	---	---	---
PMW1	12/19/06	<100k	---	---	---	---	---	---
PMW1	03/20/07	<100	---	---	---	---	---	---
PMW1	06/19/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW1	09/18/07	<100	---	---	---	---	---	---
PMW1	12/26/07	<100	---	---	---	---	---	---
PMW1	03/26/08	<100	---	---	---	---	---	---
PMW1	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
PMW1	09/17/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	12/22/08	<100	---	---	---	---	---	---
PMW1	03/02/09	<50	---	---	---	---	---	---
PMW1	06/24/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	11/09/09	<50	---	---	---	---	---	---
PMW1	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW1	10/28/10	<50	---	---	---	---	---	---
PWM1	06/09/11	---	---	---	---	---	---	---
<b>PWM1</b>	<b>11/15/11</b>	---	---	---	---	---	---	---
PMW2	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW2	12/17/02	---	---	---	---	---	---	---
PMW2	03/28/03	---	---	---	---	---	---	---
PMW2	03/23/04	---	---	---	---	---	---	---
PMW2	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW2	03/29/05	<100	---	---	---	---	---	---
PMW2	06/21/05	<100	---	---	---	---	---	---
PMW2	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW2	12/21/05	<50	<10	<0.5	<0.5	<1	<0.5	<0.5
PMW2	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW2	06/23/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW2	09/20/06	<100	---	---	---	---	---	---
PMW2	12/20/06	<100	---	---	---	---	---	---
PMW2	03/20/07	<100	---	---	---	---	---	---
PMW2	06/19/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW2	09/18/07	<100	---	---	---	---	---	---
PMW2	12/26/07	<100	---	---	---	---	---	---
PMW2	03/26/08	<100	---	---	---	---	---	---
PMW2	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW2	09/17/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW2	12/22/08	<100	---	---	---	---	---	---
PMW2	03/03/09	<50	---	---	---	---	---	---
PMW2	06/24/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW2	11/09/09	<50	---	---	---	---	---	---
PMW2	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW2	10/28/10	<50	---	---	---	---	---	---
PMW2	06/10/11	---	---	---	---	---	---	---
<b>PMW2</b>	<b>11/15/11</b>	---	---	---	---	---	---	---



**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
PMW3	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	09/21/04	<100	---	---	---	---	---	---
PMW3	12/20/04	<100	---	---	---	---	---	---
PMW3	03/29/05	<100	---	---	---	---	---	---
PMW3	06/21/05	<100	---	---	---	---	---	---
PMW3	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW3	12/21/05	<50	<10	<0.5	<0.5	<1	<0.5	<0.5
PMW3	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	06/22/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW3	09/19/06	<100	---	---	---	---	---	---
PMW3	12/20/06	<100	---	---	---	---	---	---
PMW3	03/21/07	<100	---	---	---	---	---	---
PMW3	06/20/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW3	09/18/07	<100	---	---	---	---	---	---
PMW3	12/27/07	<100	---	---	---	---	---	---
PMW3	03/27/08	<100	---	---	---	---	---	---
PMW3	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	09/18/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	12/23/08	<100	---	---	---	---	---	---
PMW3	03/04/09	<50	---	---	---	---	---	---
PMW3	06/25/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	11/10/09	<50	---	---	---	---	---	---
PMW3	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	10/26/10	<50	---	---	---	---	---	---
PMW3	06/10/11	---	---	---	---	---	---	---
<b>PMW3</b>	<b>11/15/11</b>	---	---	---	---	---	---	---
PMW4	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW4	09/21/04	<100	---	---	---	---	---	---
PMW4	03/28/05	---	---	---	---	---	---	---
PMW4	06/21/05	---	---	---	---	---	---	---
PMW4	12/21/05	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW4	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW4	06/22/06	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW4	09/19/06	---	---	---	---	---	---	---
PMW4	12/20/06	---	---	---	---	---	---	---
PMW4	03/21/07	---	---	---	---	---	---	---
PMW4	06/20/07	---	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW4	09/18/07	---	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
PMW4	12/27/07	---	---	---	---	---	---	---
PMW4	03/27/08	---	---	---	---	---	---	---
PMW4	06/26/08	---	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW4	03/04/09	---	---	---	---	---	---	---
PMW4	06/25/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW4	11/10/09	---	---	---	---	---	---	---
PMW4	06/02/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW4	10/28/10	---	---	---	---	---	---	---
PMW4	06/09/11	---	---	---	---	---	---	---
<b>PMW4</b>	<b>11/15/11</b>	---	---	---	---	---	---	---
PMW5	12/17/02	---	---	---	---	---	---	---
PMW5	03/28/03	---	---	---	---	---	---	---
PMW5	03/23/04	---	---	---	---	---	---	---
PMW5	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW5	09/21/04	<100	---	---	---	---	---	---
PMW5	12/20/04	<100	---	---	---	---	---	---
PMW5	03/28/05	<100	---	---	---	---	---	---
PMW5	06/21/05	<100	---	---	---	---	---	---
PMW5	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW5	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW5	06/23/06	<100	<10.0	<0.500	<0.500	<0.500	2.24	<0.500
PMW5	09/20/06	<100	---	---	---	---	---	---
PMW5	12/20/06	<100	---	---	---	---	---	---
PMW5	03/21/07	<100	---	---	---	---	---	---
PMW5	06/19/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
PMW5	09/18/07	<100	---	---	---	---	---	---
PMW5	12/26/07	<100	---	---	---	---	---	---
PMW5	03/26/08	<100	---	---	---	---	---	---
PMW5	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW5	09/17/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
PMW5	12/22/08	<100	---	---	---	---	---	---
PMW5	03/03/09	<50	---	---	---	---	---	---
PMW5	06/25/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW5	11/09/09	<50	---	---	---	---	---	---
PMW5	06/01/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW5	10/26/10	<50	---	---	---	---	---	---
PMW5	06/10/11	---	---	---	---	---	---	---
<b>PMW5</b>	<b>11/16/11</b>	---	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
PMW6	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
PMW6	03/28/05	---	---	---	---	---	---	---
PMW6	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW6	06/22/06	---	<10.0	<0.500	<0.500	<0.500	2.17	<0.500
PMW6	09/19/06	---	---	---	---	---	---	---
PMW6	12/20/06	---	---	---	---	---	---	---
PMW6	03/20/07	---	---	---	---	---	---	---
PMW6	03/26/08	---	---	---	---	---	---	---
PMW6	12/22/08	---	---	---	---	---	---	---
PMW6	03/03/09	---	---	---	---	---	---	---
PMW6	06/25/09	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW6	11/09/09	---	---	---	---	---	---	---
PMW6	06/02/10	---	<10	<0.50	<0.50	<0.50	<0.50	<0.50
PMW6	10/26/10	---	---	---	---	---	---	---
PMW6	06/09/11	---	---	---	---	---	---	---
<b>PMW6</b>	<b>11/15/11 v</b>	---	---	---	---	---	---	---
VR1	09/16/02	---	<10	<0.5	<0.5	<0.5	<0.5	<0.5
VR1	12/17/02	---	---	---	---	---	---	---
VR1	06/17/03	---	---	---	---	---	---	---
VR1	09/22/03	---	---	---	---	---	---	---
VR1	12/22/03	---	---	---	---	---	---	---
VR1	03/23/04	---	---	---	---	---	---	---
VR1	06/22/04	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
VR1	12/20/04	<100	---	---	---	---	---	---
VR1	03/29/05	<100	---	---	---	---	---	---
VR1	06/20/05	<100	---	---	---	---	---	---
VR1	09/25/05	<100	<10	<0.5	<0.5	<0.5	<0.5	<0.5
VR1	12/21/05	<50	<10	<0.5	<0.5	<0.5	<0.5	<0.5
VR1	03/22/06	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
VR1	06/23/06	<100	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
VR1	09/19/06	<100	---	---	---	---	---	---
VR1	12/20/06	<100	---	---	---	---	---	---
VR1	03/20/07	<100	---	---	---	---	---	---
VR1	06/20/07	<50.0	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500
VR1	09/18/07	<100	---	---	---	---	---	---
VR1	12/26/07	<100	---	---	---	---	---	---
VR1	03/27/08	<100	---	---	---	---	---	---

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
VR1	06/25/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
VR1	09/17/08	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50
VR1	12/23/08	<100	---	---	---	---	---	---
VR1	03/04/09	<50	---	---	---	---	---	---
VR1	06/25/09	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
VR1	11/10/09	<50	---	---	---	---	---	---
VR1	06/02/10	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
VR1	10/28/10	<50	---	---	---	---	---	---
VR1	06/09/11	---	---	---	---	---	---	---
<b>VR1</b>	<b>11/15/11 t</b>	---	---	---	---	---	---	---
VR2	12/21/05	<50	<10	<0.5	<0.5	<1	<0.5	<0.5
VR2	03/22/06	<50	<500	<0.50	<0.50	1.2	<0.50	<0.50
VR2	06/23/06	<100	239	<0.500	<0.500	1.97	<0.500	<0.500
VR2	09/20/06	<100	---	---	---	---	---	---
VR2	12/20/06	<100	---	---	---	---	---	---
VR2	03/21/07	<100	---	---	---	---	---	---
VR2	06/19/07	<50.0	504.00	<0.500	<0.500	3.47	<0.500	<0.500
VR2	09/18/07	<100	---	---	---	---	---	---
VR2	12/26/07	<100	---	---	---	---	---	---
VR2	03/26/08	<100	---	---	---	---	---	---
VR2	06/25/08	<100	380	<0.50	<0.50	2.8	<0.50	<0.50
VR2	09/17/08	<100	320	<0.50	<0.50	2.1	<0.50	<0.50
VR2	12/22/08	<100	---	---	---	---	---	---
VR2	03/03/09	<5,000	---	---	---	---	---	---
VR2	06/25/09	<5,000	<1,000	<50	<50	<50	<50	<50
VR2	11/09/09	<10,000	---	---	---	---	---	---
VR2	06/01/10	<10,000	<2,000	<100	<100	<100	<100	<100
VR2	10/26/10	<10,000	---	---	---	---	---	---
VR2	06/10/11	---	---	---	---	---	---	---
<b>VR2</b>	<b>11/16/11</b>	---	---	---	---	---	---	---

**Grab Groundwater Samples**

Prior to 02/03/06 - Not analyzed for these analytes.

BH1	02/03/06	<100	<20	<0.5	<0.5	<0.5	<0.5	<0.5
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**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well ID	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
BH2	01/10/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH2	01/10/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH3	01/10/11	<50	<10	<0.50	<0.50	0.22p	<0.50	<0.50
BH3	01/10/11	<50	13	<0.50	<0.50	0.19p	<0.50	<0.50
BH4	01/11/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH4	01/11/11	<500	<100	<5.0	<5.0	<5.0	<5.0	<5.0
BH5	01/11/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH5	01/11/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH6	01/12/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH6	01/12/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH7	01/12/11	<500	68p	<5.0	<5.0	<5.0	<5.0	<5.0
BH7	01/12/11	<100	<20	<1.0	<1.0	<1.0	<1.0	<1.0
BH8	01/13/11	<50	14	<0.50	<0.50	<0.50	<0.50	<0.50
BH8	01/13/11	<50	49	<0.50	<0.50	<0.50	<0.50	<0.50
BH9	01/13/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50
BH9	01/13/11	<50	12	<0.50	<0.50	<0.50	<0.50	<0.50
BH10	01/14/11	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50

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. Groundwater elevations adjusted for LPH, when present, using an average specific gravity of 0.75 for gasoline
- NAPL = Non-aqueous phase liquid.
- TPHd = Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
- TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B. TPHg results beginning March 2002 include MTBE.
- MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8206B; prior to March 2005 analyzed using EPA Method 8021B unless otherwise footnoted.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B or 8260B.
- ETBE = Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
- TAME = Tertiary amyl methyl ether analyzed using EPA Method 8260B.
- TBA = Tertiary butyl alcohol analyzed using EPA Method 8260B.
- EDB = 1,2-dibromoethane analyzed using EPA Method 8260B.

**TABLE 1B**  
**ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

Former Exxon Service Station 73399

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Notes (Cont.):

1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
ND	=	Not detected.
--	=	Not measured/Not sampled/Not analyzed.
<	=	Less than than stated laboratory reporting limit.
a	=	Water level recorded during pumping of MW7.
b	=	Anomalous water level possibly due to recharge from a perched water zone.
c	=	Casing head cut to lower elevation.
d	=	Casing head damaged by construction.
e	=	Results obtained past the technical holding time.
f	=	Analyzed using EPA Method 8260.
g	=	Unidentified hydrocarbon C6-C12.
h	=	Analysis performed outside of EPA recommended holding time.
i	=	Groundwater level measured is in sump for groundwater extraction pump, near the bottom of the well and below the screened interval, and is not considered representative of groundwater elevation.
j	=	Grab groundwater sample collected.
k	=	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
l	=	Secondary ion abundances were outside method requirements. Identification based on analytical judgment.
m	=	Hydrocarbon result partly due to individual peak(s) in quantitation range.
n	=	Groundwater samples for laboratory analysis collected 1 or 2 days after (measurement of depth to) groundwater gauging event.
o	=	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
p	=	Analyte presence was not confirmed by second column or GC/MS analysis.
q	=	The sample chromatographic pattern does not match that of the specified standard.
r	=	The sample, as received, was not preserved in accordance with the referenced analytical method.
s	=	Technician inadvertently did not record this result in the field notes.
t	=	Well inaccessible during gauging and/or sampling.
u	=	DTW measured in well indicates less than 6-inches of water in the well, which is not representative of the actual depth to groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.
v	=	Not enough water to sample.

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Well Number		Well Installation Date	Well Destruction Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material	Water Bearing Zone
MW1	d	04/01/88	---	320.52	---	57	57	---	4	32-57	0.020	30-57	---	Zone 1
MW2		04/02/88	07/12/88	---	---	57	57	---	4	37-57	0.020	34-57	---	---
MW3		04/04/88	08/29/88	---	---	60	56	---	4	36-56	0.020	35-60	---	---
MW4	d	04/06/88	---	321.56	---	60	57	---	4	37-57	0.020	36-60	---	Zone 1
MW5D	d	05/10/88	---	321.79	---	82.0	77.5	---	4	67.5-77.5	0.020	64-77.5	---	Zone 2
MW5S	d	05/11/88	---	320.52	---	58	55	---	4	40-55	0.020	37.5-58	---	Zone 1
MW6		05/11/88	10/24/88	---	---	59	55	---	4	40-55	0.020	36-59	---	---
MW7	d	07/12/88	---	321.27	---	56.5a	53	---	5	28-53	0.020	25-56.5	---	Zone 1
MW8	d	09/30/89	---	321.86	PVC	140	133	14	4	118-133	0.020	114-133	---	Zone 3
MW9		10/04/89	11/03/00	---	PVC	57.5	54.5	10	4	34.5-54.5	0.020	34-54.5	---	---
MW9A	d	11/03/00	---	321.27	PVC	59	58	12.25	6	35-55 55-58 c	0.020	33-58	#3 Sand	Zone 1
MW10	d	10/06/89	---	322.99	PVC	60.5	60	10	4	40-60	0.020	38-60	---	Zone 1
MW11	d	11/02/89	---	321.73	PVC	55.5	55	10	4	35-55	0.020	33-55	---	Zone 1
MW12		08/17/00	08/30/00	---	PVC	132	131.5	8.33	2	114.5-131.5	0.020	112.5-132	#3 Sand	---
MW12A	d	08/30/00	---	322.62	PVC	136	130.5	8.33	2	115.5-130.5	0.020	113.5-130.5	#3 Sand	Zone 3
MW13	d, b	08/23/00	---	322.71	PVC and Steel	73	72	8.33	2	61.5-72	0.020	57.5-73	#3 Sand	Zone 2
MW14	d	08/29/00	---	321.24	PVC	143	136	8.33	2	121.5-136.5	0.020	119.5-143	#3 Sand	Zone 3
OW1		---	---	321.44	---	---	---	---	4	e	---	---	---	Perched
OW2	d	---	---	321.55	---	---	---	---	4	e	---	---	---	Perched
PMW1	d	12/16/99	---	322.75	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched

**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 73399  
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Pleasanton, California  
(Page 2 of 2)

Well Number		Well Installation Date	Well Destruction Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Borehole Diameter (inches)	Casing Diameter (inches)	Screened Interval (feet)	Slot Size (inches)	Filter Pack Interval (feet)	Filter Pack Material	Water Bearing Zone
PMW2	d	12/16/99	---	322.37	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW3	d	12/16/99	---	321.27	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW4	d	12/16/99	---	321.37	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW5	d	12/16/99	---	320.04	PVC	35.5	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
PMW6	d	12/17/99	---	321.38	PVC	16	16	10	4	6-16	0.010	5.5-16	#2/12 Sand	Perched
VR1	d	10/24/88	---	321.00	PVC	30	30	10	4	10-30	0.020	10-30	---	Perched
VR2		11/20/89	---	320.18	PVC	45.5	45	8	2	35-45	0.020	33-45.5	---	Zone 1
VR3		11/20/89	09/24/99	318.73	PVC	35.5	35	8	2	5-35	0.020	4-35.5	---	---
VR4		11/24/89	09/24/99	321.19	PVC	35.5	32.5	8	2	12.5-32.5	0.020	4-35.5	---	---

Notes:

- TOC = Top of well casing elevation; datum is mean sea level.
- PVC = Polyvinyl chloride.
- = Information not available.
- a = The total depth measured in well MW7 does not match the well completion log. On 16 September 2002, the total depth was measured as 59.83 feet below top of casing.
- b = PVC screen from 61.5-72 feet, stainless steel blank from 11.5-61.5 feet, PVC blank from surface to 11.5 feet.
- c = Depth of PVC sump at base of well.
- d = Well surveyed in October 2001. Elevation is based on City of Pleasanton Benchmark #C-972. Brass disc in concrete abutment, 15 feet north of the southeast corner of the southbound bridge over Mocho Canal. Elevation = 330.55 feet.
- e = Well screen is visible near surface and is assumed to extend to near total depth.



**TABLE 3  
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

(Page 1 of 2)

Date	Effluent Totalizer Reading (gallons)	Total Totalizer Reading (gallons)	Average Flow Rate (gpm)	Total Flow Per Period (gallons)	Laboratory Analytical Results								Removal Calculations					
					Sample ID	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPHg		Benzene		MTBE	
													Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)
03/17/11	Cumulative totals reported by ETIC Engineering, Inc. 1,933,870 9,728,040 3.6 30,530				Influent	<50	160a	3.7	<2.5	0.28b	0.54b	170	0.0407	<9.1866	0.0009	<0.1767	0.0420	<9.3606
					Intermediate	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
					Effluent	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
03/25/11	Cumulative totals reported by ETIC Engineering, Inc. 1,970,740 9,764,910 3.2 36,870																	
03/28/11	Cumulative totals reported by ETIC Engineering, Inc. 1,989,320 9,783,490 4.3 18,580																	
04/20/11	System running on arrival and departure. 2,113,610 9,907,780 2.5 124,290				W-HT	<50	170a	3.8	<0.50	<0.50	0.56	220	0.2474	<9.4341	0.0056	<0.1823	0.2924	<9.6530
					W-OUT-WC1	—	—	<0.50	<0.50	<0.50	<0.50	<0.50						
					W-DSCHG	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
05/02/11	System running on arrival and departure. 2,178,360 9,972,530 3.7 64,750																	
05/16/11	System running on arrival and departure. 2,251,670 10,045,840 3.6 73,310				W-HT	<50	170a	<4.0	<4.0	<4.0	<4.0	230	0.1958	<9.6299	<0.0045	<0.1868	0.2592	<9.9122
					W-OUT-WC1	—	—	<0.50	<0.50	<0.50	<0.50	<0.50						
					W-DSCHG	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
06/01/11	System running on arrival and departure. 2,334,320 10,128,490 3.6 82,650																	
06/15/11	System down on arrival and running on departure. 2,376,210 10,170,380 2.1 41,890				W-HT	<50	190a	<5.0	<5.0	<5.0	<5.0	250	0.1870	<9.8169	<0.0047	<0.1915	0.2494	<10.1616
					W-OUT-WC1	—	—	<0.50	<0.50	<0.50	<0.50	0.50						
					W-DSCHG	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
06/30/11	System down on arrival and running on departure. 2,426,560 10,220,730 2.3 50,350																	
07/13/11	System running on arrival and departure. 2,472,180 10,266,350 2.4 45,620				W-HT	<50	130a	<4.0	<4.0	<4.0	<4.0	190	0.1281	<9.9450	<0.0036	<0.1951	0.1762	<10.3377
					W-OUT-WC1	—	—	<0.50	<0.50	<0.50	<0.50	3.3						
					W-DSCHG	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
07/26/11	System running on arrival and departure. 2,519,190 10,313,360 2.5 47,010																	
08/08/11	System down on arrival and running on departure. 2,550,540 10,344,710 1.7 31,350				W-HT	<50	220a	<4.0	<4.0	<4.0	<4.0	280	0.1144	<10.0594	<0.0026	<0.1977	0.1536	<10.4914
					W-OUT-WC1	—	—	<0.50	<0.50	<0.50	<0.50	3.8						
					W-DSCHG	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
08/22/11	System running on arrival and departure. 2,601,380 10,395,550 2.5 50,840																	
09/06/11	System running on arrival and departure. 2,651,970 10,446,140 2.3 50,590				W-HT	<50	130a	<4.0	<4.0	<4.0	<4.0	180	0.1481	<10.2075	<0.0034	<0.2011	0.1946	<10.6860
					W-OUT-WC1	—	—	<0.50	<0.50	<0.50	<0.50	6.2						
					W-DSCHG	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
09/19/11	System running on arrival and running on departure. 2,710,850 10,505,020 3.1 58,880																	
09/29/11	System running on arrival and running on departure. 2,746,260 10,540,430 0.0 35,410																	
10/12/11	System down on arrival and running on departure. 2,766,440 10,560,610 1.1 20,180				W-HT	<50	300a,c	3.1	<5.0	<5.0	<5.0	390	0.2053	<10.4129	<0.0034	<0.2045	0.2722	<10.9582
					W-OUT-WC1	—	—	<0.50	<1.0	<1.0	<1.0	7.1						
					W-DSCHG	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0						
10/26/11	System running on arrival and departure. 2,817,100 10,611,270 2.5 50,660																	
11/07/11	System shut down for carbon changeout.																	
11/09/11	System down on arrival and running on departure. 2,829,380 10,623,550 0.6 12,280																	
11/15/11	System down on arrival and running on departure. 2,829,610 10,623,780 0.0 230																	
11/22/11	System down on arrival and running on departure. 2,834,150 10,628,320 0.5 4,540				W-HT	<50	360a	<5.0	<5.0	<5.0	<5.0	400	0.1864	<10.5993	<0.0023	<0.2068	0.2231	<11.1814
					W-OUT-WC1	—	—	c	c	c	c	c						
					W-DSCHG	<50	c	c	c	c	c	c						

**TABLE 3  
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM**

Former Exxon Service Station 73399

2991 Hopyard Road

Pleasanton, California

(Page 2 of 2)

Date	Effluent Totalizer Reading (gallons)	Total Totalizer Reading (gallons)	Average Flow Rate (gpm)	Total Flow Per Period (gallons)	Laboratory Analytical Results								Removal Calculations					
					Sample ID	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TPHg		Benzene		MTBE	
													Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)
11/30/11	System running on arrival and departure. 2,866,430	10,660,600	2.8	32,280	W-HT	---	160a	5.6	<5.0	<5.0	<5.0	220	0.0700	<10.6693	<0.0014	<0.2082	0.0835	<11.2648
					W-OUT-WC1	---	---	<0.50	<0.50	<0.50	<0.50	<0.50						
					W-DSCHG	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50						
12/08/11	System running on arrival and departure. 2,900,540	10,694,710	3.0	34,110	W-HT	<50	160a	<4.0	<4.0	<4.0	<4.0	200	0.0455	<10.7149	<0.0014	<0.2096	0.0598	<11.3246
					W-OUT-WC1	---	---	<0.50	<0.50	<0.50	<0.50	<0.50						
					W-DSCHG	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50						

- Notes: If value is below laboratory detection limit, then detection limit is used for removal calculations.
- W-INF-HT = Water influent.
  - W-OUT-WC1 = Water intermediate after first carbon vessel.
  - W-DSCHG = Water effluent.
  - TPHg = Total petroleum hydrocarbons as gasoline analyzed using modified EPA Method 8015B.
  - TPHd = Total petroleum hydrocarbons as diesel analyzed using modified EPA Method 8015B.
  - BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
  - MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B.
  - gpm = Gallons per minute.
  - µg/L = Micrograms per liter.
  - < = Less than the stated laboratory reporting limit.
  - = Not sampled/Not analyzed/Not measured/Not calculated/Not applicable.
  - a = Does not match the typical chromatographic pattern.
  - b = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
  - c = Sample container contained headspace greater than 6 millimeters in diameter.

**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 a 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.

The wells are purged using a submersible pump. Prior to use at the site and between wells the pump is cleaned.

Five gallons of water are placed in three 15-gallon tubs. Liquinox detergent is added to the first tub of water. The pump and tubing are submerged in the first tub and the water is pumped through the pump. The process is repeated in the second and third tub.

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.

Water generated during purging and cleaning is contained and transported off site for treatment and disposal.

**APPENDIX B**

**FIELD NOTES**

# Daily Field Report

Cardno ERI



Project ID #: 73399

Cardno ERI Job # 022776C

Subject: GW SAMPLING

Date: 11/15/2011

Equipment Used: SOLINST/HYDAC/PUMPS/BATTS'S/SAMPLING EQUIPMENT/ETC.

Sheet: 1

Name(s): MAGDANOV, AZAT

Time Arrived On Site: 9:0

Time Departed Site: 18:0

09:00 -ARRIVED ON SITE  
-INFORMED STATION OF WORK TO BE DONE  
-SET UP EXCLUSION ZONE AND CHOCKED THE WHEELS ON VEHICLE  
-REVIEWED APPLICABLE JSA'S  
-PERFORMED SPSA FOR: TRIPPING HAZARD  
-STARTED PAPERWORK FOR SITE AND LABELS  
-SET UP DECON/WORK AREA AND DECON'D EQUIPMENT  
05:00 -STARTED PURGE WATER TREATMENT (ONSITE) /FINISHED AT 05:30  
09:00 -HELD H&S MEETING/REVIEWED HOSPITAL ROUTE /FINISHED AT 09:15  
09:15 -OPENED WELLS AND ALLOWED WELLS TO CHARGE  
09:30 -STARTED MEASURING /FINISHED AT 10:15  
10:15 -STARTED PURGING /FINISHED AT 17:00  
11:15 -STARTED SAMPLING /FINISHED AT 17:30  
-DECON'D EQUIPMENT/CLEANED UP DECON STATION/LOADED TRUCK  
-BROKE DOWN EXCLUSION ZONE/LOADED TRUCK  
18:00 -CARDNO ERI OFF SITE  
Notes: -MW8 - Car parked - unable to sample  
-PMW6 - Not enough water to purge and sample  
-MW13 - Unable to sample due to piece of piping stuck in the well  
-VR1 - Unable to sample due the pump stuck in the well

\*M/P/S 17 WELLS

\*M/S 1 WELLS

M/S LOW FLOW 0 WELLS

\*MO 0 WELLS

\*O/P 0 WELLS

\*POTABLE 0 WELLS

TOTAL PURGED GALLONS: 517

DECON WATER GALLONS: 52

\*0 T/C SET UPS

# DAILY FIELD REPORT



PROJECT: 73399 JOB # + ACTIVITY: 2776  
 SUBJECT: Groundwater Sampling DATE: 11/15/2011  
 EQUIPMENT USED: Sub. pump & boiler SHEET: 1 OF 1  
 NAME: Azat Magdanov PROJECT MNGR: Raula Sime

Load	0630-0700
Travel to the site from Petaluma office	0700-0900
H&S meeting and paperwork	0900-0915
Purging: PMW1, MW10, MW4, PMW4, PMW2, MW1, PMW3	1011-1656
Sampling: PMW1, MW10, MW4, PMW4, PMW2, MW1, PMW3	1110-1720
Could not purge & sample PMW6 (not enough water to purge and sampling, doesn't recover)	
MW8 (car license #A2K277 Ontario) perched on the top of the well	
Load	1720-1750
Travel to the office	1750-1850
Unload	1850-2000
Open wells DTW: PMW1, MW10, MW4, PMW4, PMW2, MW1, PMW3	0915-1011

\*Weather conditions: Sunny.

Azat R. Magdanov

# DAILY FIELD REPORT



PROJECT: <u>73399</u>	JOB # + ACTIVITY: <u>2776</u>
SUBJECT: <u>Groundwater sampling</u>	DATE: <u>11/16/2011</u>
EQUIPMENT USED: <u>Sub. pumps, bailer</u>	SHEET: <u>1</u> OF <u>1</u>
NAME: <u>Alec Maydonov</u>	PROJECT MNGR: <u>Paula Sims</u>
Travel to the site	0430-0500
Unload & purge water pumping.	0500-0520
Sampling from the water treatment system MW9A	0520-0535
Purging: MW7, PMW5, UR2, OW1, OW2, MW11, MW12A, MW5S, MW5D	0601-1738
Sampling MW7, PMW5, UR2, OW1, OW2, MW11, MW12A, MW5S, MW5D	0715-1745
Could not purge & sample: UR1 (pump stuck inside the well), MW13 (piece of piping inside the well) MW8 (car license # A2KK727 Antonio) parked on the top of well	
Load	1745-1800
Travel to the office	1800-1930
*Weather conditions: <u>Sunny</u>	



# DAILY FIELD REPORT



PROJECT: <u>23399</u>	JOB # + ACTIVITY: <u>2776</u>
SUBJECT: <u>Groundwater sampling</u>	DATE: <u>11/17/2011</u>
EQUIPMENT USED: <u>Sub. pump, baiter</u>	SHEET: <u>    </u> OF <u>    </u>
NAME: <u>Alex Magdonov</u>	PROJECT MNGR: <u>    </u>
<u>Travel to the site</u>	<u>0430-0510</u>
<u>Unload &amp; organizing Decon station</u>	<u>0510-0545</u>
<u>Purging MW14</u>	<u>0545-0637</u>
<u>Sampling MW14</u>	<u>0637-0650</u>
<u>Attempting to hook out blocking piece of piping from MW13</u>	<u>0650-0730</u>
<u>Could not purge &amp; sample MW8 (Car parked on the top of the well license # AZKK 727)</u>	
<u>MW13 (blocking piece of piping in the well)</u>	
<u>Load</u>	<u>0730-0745</u>
<u>Checking groundwater system &amp; turning of power of the system</u>	<u>0745-0830</u>
<u>Travel to the office</u>	<u>0830-1030</u>
<u>Pumping of purge water &amp; paperwork</u>	<u>1030-1130</u>
<u>* Weather conditions: Overcast</u>	

*Alex R. Magdonov*





### GROUNDWATER SAMPLING FIELD LOG

Client Name: EXXON MOBILE ERI Job #: 2776  
 Location: 73399 Field Cleaning Performed: \_\_\_\_\_  
 Field Crew: A204 Magdonov Analysis: \_\_\_\_\_

Date: 11/14/11 Page 1 of 2  
 Case Volume = (TD - DTW) x F where F =  
 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
MW9A	0520			18.8	1787	7.52				0535				Sampled from the system
				18.6	1719	7.81								
				18.9	1733	7.59								
MW7	0601	19.19	20				35.88	37.75		0715				
	0620		20	18.5	1719	7.71								
	0641		40	19.6	1706	7.82								
	0703		60	19.8	1715	7.79								
DMW5	0733	2.34	3				13.06	13.06		0750				
	0735		3	18.8	195	7.11								dry @ 7 g/l.
	0737		6	19.0	519	7.07								
	0740		9											
VA2	0801	2.00	2				32.79	35.19		0815				
	0802		2	18.1	1091	7.01								
	0804		4	19.5	1243	6.97								
	0805		6	19.5	1219	7.05								
OW1	0830	0.94	1				10.48	10.59		0845				
	0831		1	21.5	758	7.22								
	0832		2	21.2	761	7.11								
	0833		3	20.9	750	7.09								
OW2	0903	1.45	2				10.61	10.63		0920				
	0904		2	20.2	667	7.21								
	0905		4	20.1	655	7.13								
	0907		6	20.1	666	7.10								
VA1				could not purge and sample: PUMP suction in the well										





**ERI Groundwater M+S  
Depth To Water**

Case Volume=  $H(r^2 \times 0.163)$

H=Height of Water Column in Feet

r=Radius of well casing in inches

Common conversion factors:

2"=0.163, 4"=0.652, 6"=1.457

5"=1.007

Project

Location

Date

Name

2776

73399

11/15-17/2011

Azet Magdonov

WELL ID	WELL DIAMETER	ODOR? SHEEN?	TOTAL DEPTH	Pre-Purge DTW	Depth To PRODUCT	PRODUCT THICKNESS	COMMENTS Case Vol.
- PMW6	4'	-	15.72	15.52	-	-	Not enough water to purge and sample possible return
- PMW4	4'	-	16	13.15	-	-	1.86
- PMW2	4'	-	16	11.11	-	-	3.19
- PMW1	4'	-	16	13.51	-	-	1.62
- OW1	4'	-	11.74	10.30	-	-	0.94
- MW14	2'	-	136	34.07	-	-	16.61
- MW13	2'	-	72	35.46	-	-	6.00
- MW12A	2'	-	130.5	33.27	-	-	16.04
- MW8	4'	-	133				
- MW5D	4'	-	77.5	34.36	-	-	28.13
- MW5S	4'	-	55	34.11	-	-	13.62
- PMW3	4'	-	16	10.99	-	-	3.27
- MW4	4'	-	57	34.07	-	-	14.95
- MW1	4'	-	57	33.01	-	-	15.64
- MW10	4'	-	60	35.51	-	-	15.97
- OW2	4'	-	12.41	10.19	-	-	1.45
- VR1	4'	-	30				
- PMW5	4'	-	16	12.33	-	-	2.39
- MW11	4'	-	55	34.26	-	-	13.52
- MW7	5'	-	53	33.94	-	-	19.19
- MW9A	6'	-	58	33	-	-	-
- VR2	2'	-	45	32.74	-	-	2.00

# WATER SAMPLING SITE STATUS

Date: 11/15/2011 - 11/17/2011

ERI Job Number: 2776 Station No.: 73399

Site Address: 2891 Hopy Ave Rd,  
Pleasanton, CA

Inspected by: Alex Hopland

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/v/o	N/R/ok	
MW6	N	N	N	N	OK	OK	Y	-	OK	-	-	-	OK	top 2 screws
MW1	N	N	N	N	OK	OK	Y	-	OK	-	-	-	OK	screws are stripped
MW10	N	OK	N	N	OK	OK	N	-	OK	-	-	-	OK	screws are missing
MW4	OK	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	
MW4	OK	OK	OK	OK	OK	OK	OK	-	OK	-	-	-	OK	
MW2	N	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	
MW1	N	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	screws are stripped
MW3	OK	OK	OK	OK	OK	OK	Y	-	OK	-	-	-	OK	1 screw is stripped
MW7	N	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	
MW5	N	OK	N	N	OK	OK	Y	-	OK	-	-	-	OK	screws are absent
VR2	N	OK	OK	OK	OK	OK	Y	-	OK	-	-	-	OK	screws don't hold
OW1	OK	OK	N	OK	OK	OK	N	-	OK	-	-	-	OK	- a -
OW2	OK	OK	N	OK	OK	OK	N	-	OK	-	-	-	OK	
VA1	OK	OK	N	OK	OK	OK	N	-	OK	-	-	-	OK	
MW4	OK	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	
MW13	OK	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	
MW12A	OK	OK	OK	OK	OK	OK	Y	-	OK	-	-	-	OK	Piping in the well
MW5	N	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	
MW5D	N	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	screws are absent
MW4	N	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	<del>screws are absent</del>
MW4	OK	OK	OK	OK	OK	OK	N	-	OK	-	-	-	OK	screws are absent

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

Y = Yes.  
N = No.

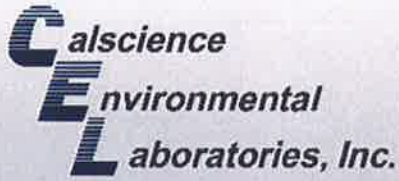
s = Soil.  
w = Water.  
e = Empty.

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



**APPENDIX C**

**LABORATORY ANALYTICAL REPORTS  
AND CHAIN-OF-CUSTODY RECORDS**



# CALSCIENCE

WORK ORDER NUMBER: 11-11-1486

*The difference is service*



AIR SOIL WATER MARINE CHEMISTRY

RECEIVED  
DEC 05 2011

BY: \_\_\_\_\_

### Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 73399/022776C

Attention: Paula Sime  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

*Cecile de Guia*

Approved for release on 12/2/2011 by:  
Cecile deGuia  
Project Manager

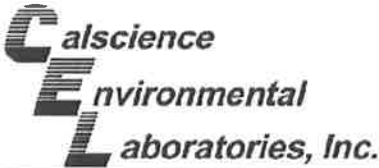
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.





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Work Order Number: 11-11-1486

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

Date Received: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-37-MW1	11-11-1486-1-E	11/15/11 16:25	Aqueous	GC 22	11/28/11	11/28/11 20:41	111128B02

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	70	38-134	

W-35-MW4	11-11-1486-2-E	11/15/11 13:30	Aqueous	GC 22	11/28/11	11/28/11 22:19	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	38-134	

W-35-MW5D	11-11-1486-3-E	11/16/11 17:45	Aqueous	GC 22	11/28/11	11/29/11 01:33	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	64	38-134	

W-35-MW5S	11-11-1486-4-E	11/16/11 16:15	Aqueous	GC 22	11/28/11	11/29/11 02:06	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	65	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: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

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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-36-MW7</b>	<b>11-11-1486-5-E</b>	<b>11/16/11 07:15</b>	<b>Aqueous</b>	<b>GC 22</b>	<b>11/28/11</b>	<b>11/29/11 03:44</b>	<b>111128B02</b>

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	180	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	65	38-134			

<b>W-33-MW9A</b>	<b>11-11-1486-6-E</b>	<b>11/16/11 05:35</b>	<b>Aqueous</b>	<b>GC 22</b>	<b>11/28/11</b>	<b>11/29/11 03:44</b>	<b>111128B02</b>
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	180	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	65	38-134			

<b>W-39-MW10</b>	<b>11-11-1486-7-E</b>	<b>11/15/11 12:20</b>	<b>Aqueous</b>	<b>GC 22</b>	<b>11/28/11</b>	<b>11/28/11 22:51</b>	<b>111128B02</b>
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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	69	38-134			

<b>W-35-MW11</b>	<b>11-11-1486-8-E</b>	<b>11/16/11 11:45</b>	<b>Aqueous</b>	<b>GC 22</b>	<b>11/28/11</b>	<b>11/29/11 04:16</b>	<b>111128B02</b>
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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	70	38-134			

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: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-36-MW12A	11-11-1486-9-E	11/16/11 14:35	Aqueous	GC 22	11/28/11	11/29/11 04:49	111128B02

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	70	38-134	

W-38-MW14	11-11-1486-10-E	11/17/11 06:50	Aqueous	GC 22	11/28/11	11/29/11 05:21	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	38-134	

W-11-OW1	11-11-1486-11-E	11/16/11 08:45	Aqueous	GC 22	11/28/11	11/29/11 05:54	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	38-134	

W-11-OW2	11-11-1486-12-E	11/16/11 09:20	Aqueous	GC 22	11/28/11	11/29/11 06:26	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	64	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: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-PMW1	11-11-1486-13-E	11/15/11 11:10	Aqueous	GC 22	11/28/11	11/28/11 23:24	111128B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	140	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	72	38-134	

W-12-PMW2	11-11-1486-14-E	11/15/11 15:10	Aqueous	GC 22	11/28/11	11/28/11 23:56	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	60	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	67	38-134	

W-12-PMW3	11-11-1486-15-E	11/15/11 17:20	Aqueous	GC 22	11/28/11	11/29/11 00:28	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	67	38-134	

W-14-PMW4	11-11-1486-16-E	11/15/11 14:10	Aqueous	GC 22	11/28/11	11/29/11 01:01	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	65	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: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-PMW5	11-11-1486-17-E	11/16/11 07:50	Aqueous	GC 22	11/28/11	11/29/11 06:59	111128B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	54	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	69	38-134	

W-33-VR2	11-11-1486-18-E	11/16/11 08:15	Aqueous	GC 22	11/28/11	11/29/11 07:31	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	480	50	1	HD	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	64	38-134	

Method Blank	099-12-436-6,882	N/A	Aqueous	GC 22	11/28/11	11/28/11 19:04	111128B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	71	38-134	

Return to Contents

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



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

Date Received: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-37-MW1	11-11-1486-1-A	11/15/11 16:25	Aqueous	GC/MS BB	11/22/11	11/23/11 04:57	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	0.64	0.50	1	
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	106	80-127		
1,2-Dichloroethane-d4	103	80-128			Toluene-d8	97	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-35-MW4	11-11-1486-2-A	11/15/11 13:30	Aqueous	GC/MS BB	11/22/11	11/23/11 05:27	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.85	0.50	1	U	Xylenes (total)	4.2	0.50	1	
Toluene	0.98	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	4.6	0.50	1	
Ethylbenzene	2.3	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	96	68-120			Dibromofluoromethane	108	80-127		
1,2-Dichloroethane-d4	105	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
W-35-MW5D	11-11-1486-3-A	11/16/11 17:45	Aqueous	GC/MS BB	11/22/11	11/23/11 05:57	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	96	68-120			Dibromofluoromethane	107	80-127		
1,2-Dichloroethane-d4	107	80-128			Toluene-d8	99	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-35-MW5S	11-11-1486-4-A	11/16/11 16:15	Aqueous	GC/MS BB	11/22/11	11/23/11 06:28	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	0.55	0.50	1	
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	104	80-127		
1,2-Dichloroethane-d4	107	80-128			Toluene-d8	97	80-120		

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

Return to Contents

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

Date Received: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-36-MW7	11-11-1486-5-A	11/16/11 07:15	Aqueous	GC/MS BB	11/22/11	11/23/11 06:58	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	2	U	Xylenes (total)	ND	1.0	2	U
Toluene	ND	1.0	2	U	Methyl-t-Butyl Ether (MTBE)	180	2.5	5	
Ethylbenzene	ND	1.0	2	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	96	68-120			Dibromofluoromethane	108	80-127		
1,2-Dichloroethane-d4	106	80-128			Toluene-d8	97	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-33-MW9A	11-11-1486-6-A	11/16/11 05:35	Aqueous	GC/MS BB	11/22/11	11/23/11 07:29	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.7	4.0	8		Xylenes (total)	ND	4.0	8	U
Toluene	ND	4.0	8	U	Methyl-t-Butyl Ether (MTBE)	260	4.0	8	
Ethylbenzene	ND	4.0	8	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	93	68-120			Dibromofluoromethane	106	80-127		
1,2-Dichloroethane-d4	106	80-128			Toluene-d8	101	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-39-MW10	11-11-1486-7-A	11/15/11 12:20	Aqueous	GC/MS BB	11/22/11	11/23/11 02:54	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.2	0.50	1		Xylenes (total)	3.5	0.50	1	
Toluene	1.4	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	2.9	0.50	1						
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	97	68-120			Dibromofluoromethane	108	80-127		
1,2-Dichloroethane-d4	104	80-128			Toluene-d8	97	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-35-MW11	11-11-1486-8-B	11/16/11 11:45	Aqueous	GC/MS BB	11/23/11	11/23/11 18:47	111123L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.52	0.50	1		Xylenes (total)	2.6	0.50	1	
Toluene	0.62	0.50	1		Methyl-t-Butyl Ether (MTBE)	1.8	0.50	1	
Ethylbenzene	1.4	0.50	1						
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	100	68-120			Dibromofluoromethane	105	80-127		
1,2-Dichloroethane-d4	99	80-128			Toluene-d8	93	80-120		

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

Return to Contents

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

Date Received: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-36-MW12A	11-11-1486-9-A	11/16/11 14:35	Aqueous	GC/MS BB	11/22/11	11/23/11 08:30	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.4	0.50	1		Xylenes (total)	6.4	0.50	1	
Toluene	1.8	0.50	1		Methyl-t-Butyl Ether (MTBE)	0.65	0.50	1	
Ethylbenzene	3.3	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	101	68-120			Dibromofluoromethane	109	80-127		
1,2-Dichloroethane-d4	104	80-128			Toluene-d8	96	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-38-MW14	11-11-1486-10-A	11/17/11 06:50	Aqueous	GC/MS BB	11/22/11	11/23/11 09:00	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	0.54	0.50	1	
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	96	68-120			Dibromofluoromethane	112	80-127		
1,2-Dichloroethane-d4	105	80-128			Toluene-d8	100	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-11-OW1	11-11-1486-11-A	11/16/11 08:45	Aqueous	GC/MS BB	11/22/11	11/23/11 09:31	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	108	80-127		
1,2-Dichloroethane-d4	103	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-11-OW2	11-11-1486-12-A	11/16/11 09:20	Aqueous	GC/MS BB	11/22/11	11/23/11 10:01	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	0.50	0.50	1	
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	1.2	0.50	1	
Ethylbenzene	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	110	80-127		
1,2-Dichloroethane-d4	105	80-128			Toluene-d8	94	80-120		

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

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

Date Received: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-PMW1	11-11-1486-13-A	11/15/11 11:10	Aqueous	GC/MS BB	11/22/11	11/23/11 10:31	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.6	0.50	1		Xylenes (total)	32	0.50	1	
Toluene	5.3	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	17	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	106	68-120			Dibromofluoromethane	106	80-127		
1,2-Dichloroethane-d4	104	80-128			Toluene-d8	99	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-PMW2	11-11-1486-14-A	11/15/11 15:10	Aqueous	GC/MS BB	11/22/11	11/23/11 11:02	111122L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.56	0.50	1		Xylenes (total)	9.7	0.50	1	
Toluene	1.3	0.50	1		Methyl-t-Butyl Ether (MTBE)	8.3	0.50	1	
Ethylbenzene	5.0	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	100	68-120			Dibromofluoromethane	105	80-127		
1,2-Dichloroethane-d4	103	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
W-12-PMW3	11-11-1486-15-A	11/15/11 17:20	Aqueous	GC/MS BB	11/23/11	11/23/11 19:17	111123L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	96	68-120			Dibromofluoromethane	109	80-127		
1,2-Dichloroethane-d4	104	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
W-14-PMW4	11-11-1486-16-A	11/15/11 14:10	Aqueous	GC/MS BB	11/23/11	11/23/11 19:48	111123L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	96	68-120			Dibromofluoromethane	107	80-127		
1,2-Dichloroethane-d4	103	80-128			Toluene-d8	91	80-120		

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

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

Date Received: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-PMW5	11-11-1486-17-A	11/16/11 07:50	Aqueous	GC/MS BB	11/23/11	11/23/11 20:18	111123L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	4.2	0.50	1	
Toluene	0.63	0.50	1		Methyl-t-Butyl Ether (MTBE)	17	0.50	1	
Ethylbenzene	2.3	0.50	1						
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	100	68-120			Dibromofluoromethane	109	80-127		
1,2-Dichloroethane-d4	106	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
W-33-VR2	11-11-1486-18-A	11/16/11 08:15	Aqueous	GC/MS BB	11/23/11	11/23/11 20:49	111123L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	20	U	Xylenes (total)	ND	10	20	U
Toluene	ND	10	20	U	Methyl-t-Butyl Ether (MTBE)	880	20	40	
Ethylbenzene	ND	10	20	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	94	68-120			Dibromofluoromethane	107	80-127		
1,2-Dichloroethane-d4	103	80-128			Toluene-d8	93	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-760	N/A	Aqueous	GC/MS BB	11/22/11	11/23/11 02:24	111122L02

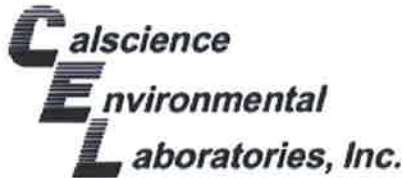
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	94	68-120			Dibromofluoromethane	106	80-127		
1,2-Dichloroethane-d4	104	80-128			Toluene-d8	100	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-761	N/A	Aqueous	GC/MS BB	11/23/11	11/23/11 14:06	111123L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	94	68-120			Dibromofluoromethane	106	80-127		
1,2-Dichloroethane-d4	102	80-128			Toluene-d8	93	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: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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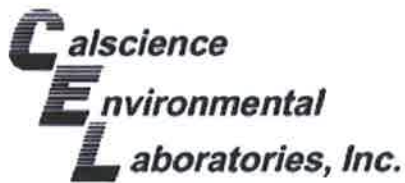
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-763	N/A	Aqueous	GC/MS BB	11/28/11	11/28/11 15:15	111128L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	109	80-127		
1,2-Dichloroethane-d4	113	80-128			Toluene-d8	92	80-120		

Return to Contents

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





Quality Control - Spike/Spike Duplicate



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

Date Received: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

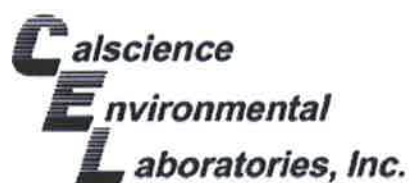
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
<b>W-37-MW1</b>	<b>Aqueous</b>	<b>GC 22</b>	<b>11/28/11</b>	<b>11/28/11</b>	<b>111128S02</b>

<u>Parameter</u>	<u>SPIKE ADDED</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	79	78	68-122	1	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: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-39-MW10	Aqueous	GC/MS BB	11/22/11	11/23/11	111122S02

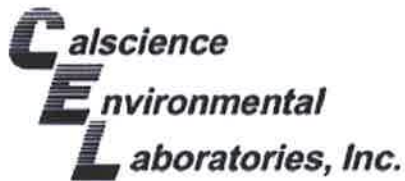
<u>Parameter</u>	<u>SPIKE ADDED</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	10.00	100	101	76-124	1	0-20	
Toluene	10.00	98	103	80-120	4	0-20	
Ethylbenzene	10.00	108	105	78-126	2	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	100	108	67-121	8	0-49	
Tert-Butyl Alcohol (TBA)	50.00	116	96	36-162	19	0-30	
Diisopropyl Ether (DIPE)	10.00	98	101	60-138	3	0-45	
Ethyl-t-Butyl Ether (ETBE)	10.00	92	95	69-123	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	10.00	93	98	65-120	5	0-20	
Ethanol	100.0	100	93	30-180	8	0-72	

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RPD - Relative Percent Difference, CL - Control Limit

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Quality Control - Spike/Spike Duplicate



Cardno ERI	Date Received:	11/18/11
601 North McDowell Blvd.	Work Order No:	11-11-1486
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B

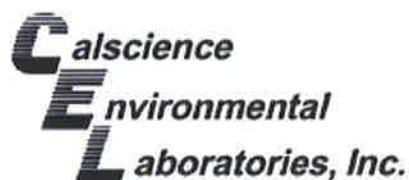
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-11-1378-8	Aqueous	GC/MS BB	11/23/11	11/23/11	111123S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	108	108	76-124	0	0-20	
Toluene	10.00	105	104	80-120	1	0-20	
Ethylbenzene	10.00	111	109	78-126	1	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	107	104	67-121	3	0-49	
Tert-Butyl Alcohol (TBA)	50.00	108	113	36-162	5	0-30	
Diisopropyl Ether (DIPE)	10.00	106	105	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	10.00	100	98	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	10.00	102	100	65-120	1	0-20	
Ethanol	100.0	100	105	30-180	4	0-72	

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: 11/18/11  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B

Project ExxonMobil 73399/022776C

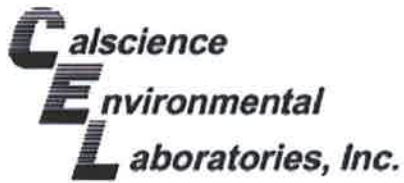
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-11-1371-6	Aqueous	GC/MS BB	11/28/11	11/28/11	111128S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	40.00	107	85	76-124	5	0-20	
Toluene	40.00	107	101	80-120	4	0-20	
Ethylbenzene	40.00	108	99	78-126	3	0-20	
Methyl-t-Butyl Ether (MTBE)	40.00	116	110	67-121	2	0-49	
Tert-Butyl Alcohol (TBA)	200.0	71	78	36-162	7	0-30	
Diisopropyl Ether (DIPE)	40.00	104	99	60-138	4	0-45	
Ethyl-t-Butyl Ether (ETBE)	40.00	102	100	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	40.00	109	105	65-120	4	0-20	
Ethanol	400.0	70	73	30-180	3	0-72	

Return to Contents

RPD - Relative Percent Difference, CL - Control Limit

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Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

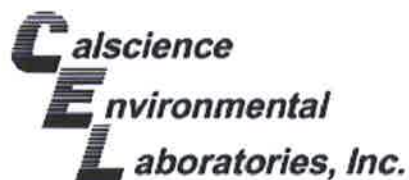
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-6,882	Aqueous	GC 22	11/28/11	11/28/11	111128B02

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	83	83	78-120	1	0-10	

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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: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: ExxonMobil 73399/022776C

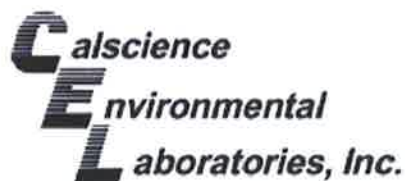
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-760	Aqueous	GC/MS BB	11/22/11	11/23/11	111122L02

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	102	102	80-120	0	0-20	
Toluene	10.00	105	104	80-120	2	0-20	
Ethylbenzene	10.00	107	104	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	101	110	69-123	8	0-20	
Tert-Butyl Alcohol (TBA)	50.00	100	94	63-123	6	0-20	
Diisopropyl Ether (DIPE)	10.00	102	105	59-137	3	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	97	101	69-123	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	96	104	70-120	8	0-20	
Ethanol	100.0	99	92	28-160	8	0-57	

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RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B

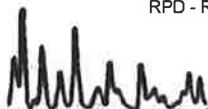
Project: ExxonMobil 73399/022776C

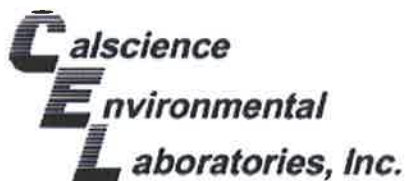
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-761	Aqueous	GC/MS BB	11/23/11	11/23/11	111123L02

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	105	110	80-120	4	0-20	
Toluene	10.00	105	108	80-120	3	0-20	
Ethylbenzene	10.00	112	115	80-120	3	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	101	110	69-123	9	0-20	
Tert-Butyl Alcohol (TBA)	50.00	99	110	63-123	11	0-20	
Diisopropyl Ether (DIPE)	10.00	105	111	59-137	5	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	97	104	69-123	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	99	103	70-120	4	0-20	
Ethanol	100.0	111	112	28-160	1	0-57	

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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: 11-11-1486  
Preparation: EPA 5030C  
Method: EPA 8260B

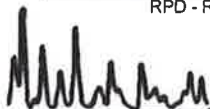
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-763	Aqueous	GC/MS BB	11/28/11	11/28/11	111128L01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	102	102	80-120	1	0-20	
Toluene	10.00	101	101	80-120	0	0-20	
Ethylbenzene	10.00	109	111	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	106	108	69-123	2	0-20	
Tert-Butyl Alcohol (TBA)	50.00	97	101	63-123	4	0-20	
Diisopropyl Ether (DIPE)	10.00	103	104	59-137	2	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	101	102	69-123	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	102	103	70-120	1	0-20	
Ethanol	100.0	102	88	28-160	16	0-57	

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RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 11-11-1486

<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.
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.
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.



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1486



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

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

COD:  
\$0.00

Reference:  
ERI

Delivery Instructions:

Signature Type:  
SIGNATURE REQUIRED

Tracking #: 517865035



NPS

ORC

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GARDEN GROVE

D92843A



96185236

Print Date: 11/17/11 16:46 PM

Package 1 of 3

Send Label To Printer

Print All

Edit Shipment

Finish

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7440 LINCOLN WAY  
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Signature Type:  
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D92843A



96185236

Print Date: 11/17/11 16:46 PM

Package 3 of 3

WORK ORDER #: 11-11-1480

**SAMPLE RECEIPT FORM**

Cooler 1 of 2

CLIENT: Cardno FRI

DATE: 11/18/11

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

Temperature 3.1 °C + 0.5 °C (CF) = 3.6 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

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

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

Ambient Temperature:  Air  Filter

Initial: JH

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: JH

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: JH

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Water:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

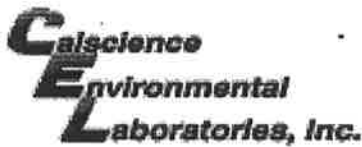
250PB  250PBn  125PB  125PBzanna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: JH

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

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 zanna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: JH

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WORK ORDER #: 11-11-1496

**SAMPLE RECEIPT FORM**

Cooler 2 of 2

CLIENT: Cardno FRI

DATE: 11/18/11

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

Temperature 2.1 °C + 0.5 °C (CF) = 2.6 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

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

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

Ambient Temperature:  Air  Filter Initial: JH

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: JH

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: TN

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Water:  VOA  VOA<sub>h</sub>  VOA<sub>na2</sub>  125AGB  125AGB<sub>h</sub>  125AGB<sub>p</sub>  1AGB  1AGB<sub>na2</sub>  1AGB<sub>s</sub>

500AGB  500AGJ  500AGJ<sub>s</sub>  250AGB  250CGB  250CGB<sub>s</sub>  1PB  1PB<sub>na</sub>  500PB

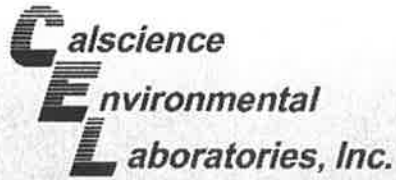
250PB  250PB<sub>n</sub>  125PB  125PB<sub>znna</sub>  100PJ  100PJ<sub>na2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: TN

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

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 znna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: WJC

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# CALSCIENCE

WORK ORDER NUMBER: 11-10-1233

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED  
NOV 02 2011

BY:.....

**Analytical Report For**

**Client:** Cardno ERI

**Client Project Name:** ExxonMobil 73399/022776C

**Attention:** Paula Sime  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

*Cecile de Guia*

Approved for release on 10/28/2011 by:

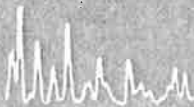
Cecile deGuia  
Project Manager

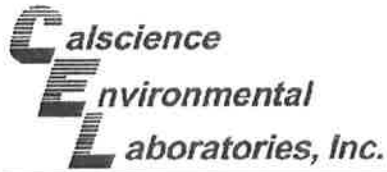
ResultLink ▶

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Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.





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Work Order Number: 11-10-1233

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**Analytical Report**



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

Date Received: 10/18/11  
Work Order No: 11-10-1233  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-10-1233-1-E	10/12/11 12:00	Aqueous	GC 48	10/18/11	10/18/11 18:39	111018B06S

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	68-140	

W-HT	11-10-1233-3-E	10/12/11 12:30	Aqueous	GC 48	10/18/11	10/18/11 18:54	111018B06S
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	68-140	

Method Blank	099-12-330-2,038	N/A	Aqueous	GC 48	10/18/11	10/18/11 17:09	111018B06S
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	75	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: 10/18/11  
Work Order No: 11-10-1233  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-10-1233-1-C	10/12/11 12:00	Aqueous	GC 29	10/19/11	10/19/11 16:33	111019B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-HT	11-10-1233-3-C	10/12/11 12:30	Aqueous	GC 29	10/19/11	10/19/11 17:08	111019B01

Comment(s): -PC Sample taken from VOA vial with air bubble > 6mm diameter.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	300	50	1	HD	ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-436-6,731	N/A	Aqueous	GC 29	10/19/11	10/19/11 15:58	111019B01

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	38-134	

Return to Contents

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





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

Date Received: 10/18/11  
Work Order No: 11-10-1233  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-10-1233-1-A	10/12/11 12:00	Aqueous	GC/MS Q	10/19/11	10/19/11 17:01	111019L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Toluene	ND	1.0	1	U	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	U
Ethylbenzene	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>	
1,4-Bromofluorobenzene	98	80-120			Dibromofluoromethane	113	80-126		
1,2-Dichloroethane-d4	105	80-134			Toluene-d8	101	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-OUT-WC1	11-10-1233-2-A	10/12/11 12:15	Aqueous	GC/MS Q	10/19/11	10/19/11 14:30	111019L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Toluene	ND	1.0	1	U	Methyl-t-Butyl Ether (MTBE)	7.1	1.0	1	
Ethylbenzene	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>	
1,4-Bromofluorobenzene	99	80-120			Dibromofluoromethane	109	80-126		
1,2-Dichloroethane-d4	102	80-134			Toluene-d8	103	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-HT	11-10-1233-3-A	10/12/11 12:30	Aqueous	GC/MS Q	10/19/11	10/19/11 19:01	111019L01

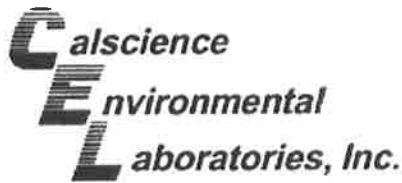
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.1	2.5	5		Xylenes (total)	ND	5.0	5	U
Toluene	ND	5.0	5	U	Methyl-t-Butyl Ether (MTBE)	390	5.0	5	
Ethylbenzene	ND	5.0	5	U					
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	97	80-120			Dibromofluoromethane	110	80-126		
1,2-Dichloroethane-d4	102	80-134			Toluene-d8	103	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-874-1,745	N/A	Aqueous	GC/MS Q	10/19/11	10/19/11 14:00	111019L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	1.0	1	U
Toluene	ND	1.0	1	U	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	U
Ethylbenzene	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>	
1,4-Bromofluorobenzene	101	80-120			Dibromofluoromethane	113	80-126		
1,2-Dichloroethane-d4	104	80-134			Toluene-d8	103	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: 10/18/11  
Work Order No: 11-10-1233  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

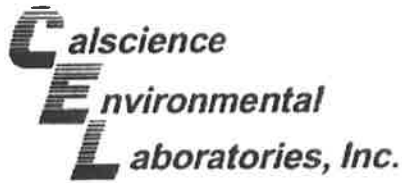
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-DSCHG	Aqueous	GC 29	10/19/11	10/19/11	111019S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	103	108	68-122	6	0-18	

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: 10/18/11  
Work Order No: 11-10-1233  
Preparation: EPA 5030C  
Method: EPA 8260B

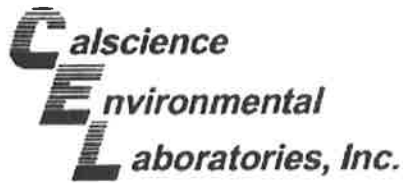
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-OUT-WC1	Aqueous	GC/MS Q	10/19/11	10/19/11	111019S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	99	94	78-120	5	0-20	
Toluene	50.00	99	95	72-126	4	0-20	
Ethylbenzene	50.00	94	89	73-127	6	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	100	92	69-123	7	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: 11-10-1233  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

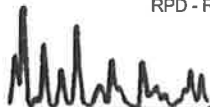
Project: ExxonMobil 73399/022776C

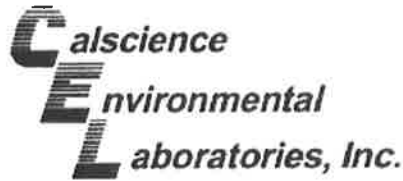
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-2,038	Aqueous	GC 48	10/18/11	10/18/11	111018B06S

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	76	75	75-117	1	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: 11-10-1233  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

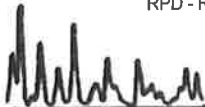
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-6,731	Aqueous	GC 29	10/19/11	10/19/11	111019B01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	111	111	78-120	1	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: 11-10-1233  
Preparation: EPA 5030C  
Method: EPA 8260B

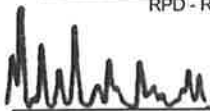
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-874-1,745	Aqueous	GC/MS Q	10/19/11	10/19/11	111019L01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	109	109	80-120	0	0-20	
Toluene	50.00	111	111	79-121	0	0-20	
Ethylbenzene	50.00	105	106	80-123	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	104	107	72-126	3	0-22	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 11-10-1233

<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.
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.
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.

**Sandy Tat**

---

**From:** Judy Hutton [judy.hutton@cardno.com]  
**Sent:** Wednesday, October 19, 2011 12:58 PM  
**To:** Sandy Tat  
**Cc:** Jake Prowse; Paula Sime  
**Subject:** RE: ExxonMobil 73399/022776C (11-10-1233)  
**Attachments:** 2776 Revised COC Oct 2011.pdf

Hi Sandy,

I have attached the revised COC for 7339/022776C (11-10-1233). Please proceed with the analyses for the samples W-HT.

Thank you,

Judy

**Judy Hutton**

Operations & Maintenance Administrator

**Cardno ERI**

601 North McDowell Blvd., Petaluma, CA 94954

**Phone:** 707 766 2000 **Direct:** 707 766 2016 **Mobile:** 707 338 8399 **Fax:** 707 789 0414

---

**From:** Jake Prowse  
**Sent:** Wednesday, October 19, 2011 8:00 AM  
**To:** Judy Hutton  
**Subject:** FW: ExxonMobil 73399/022776C (11-10-1233)  
**Importance:** High

---

**From:** Sandy Tat [<mailto:stat@calscience.com>]  
**Sent:** Tuesday, October 18, 2011 4:32 PM  
**To:** Jake Prowse  
**Subject:** ExxonMobil 73399/022776C (11-10-1233)  
**Importance:** High

Hi Jake,

3 of the vials from sample (W-HT) are with headspace; therefore, do you still want Calscience to proceed with the analyses? Second, please fill in the sampling date for the last two samples.

Sandy Tat

Project Manager Assistant

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way

Garden Grove, CA 92841-1427

Phone: 714-895-5494 x220

Fax: 714-894-7501

[stat@calscience.com](mailto:stat@calscience.com)







1233

	<b>&lt; WebShip &gt; &gt; &gt; &gt;</b> 800-322-5555 www.gso.com	
	<b>Ship From:</b> ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520	Tracking #: 517634292 
<b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841	<b>ORC</b> <b>GARDEN GROVE</b>	
COD: \$0.00	<b>D92843A</b>  95236072	
<b>Reference:</b> CARDNO ERI		
<b>Delivery Instructions:</b>		
<b>Signature Type:</b> SIGNATURE REQUIRED		
	Print Date : 10/17/11 15:28 PM	

Package 1 of 1

Send Label To Printer	<input checked="" type="checkbox"/> Print All	Edit Shipment	Finish
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**LABEL INSTRUCTIONS:**

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

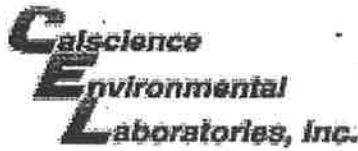
**ADDITIONAL OPTIONS:**

Send Label Via Email	Create Return Label
----------------------	---------------------

**TERMS AND CONDITIONS:**

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

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WORK ORDER #: 11-10-1233

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 10/18/11

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

Temperature 0.8 °C + 0.5 °C (CF) = 1.3 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

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

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

Ambient Temperature:  Air  Filter Initial: DL

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: DL

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: DL

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Collection <u>date</u> /time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Water:  VOA  VOA<sup>4</sup>h  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ<sup>2</sup>  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

250PB  250PBn  125PB  125PBz<sub>na</sub>  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: DL/DL

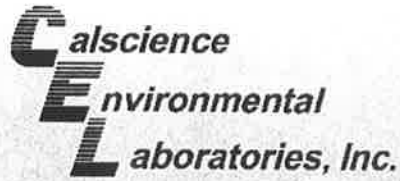
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: DL/PT

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<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: DL

\* (-2), (-3)

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# CALSCIENCE

WORK ORDER NUMBER: 11-12-0004

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

### Analytical Report For

**Client:** Cardno ERI

**Client Project Name:** ExxonMobil 73399/022776C

**Attention:** Paula Sime  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

*Cecile de Guia*

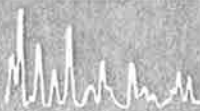
Approved for release on 12/12/2011 by:  
Cecile deGuia  
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.



## Contents

---

Client Project Name: ExxonMobil 73399/022776C

Work Order Number: 11-12-0004

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	1.1 EPA 8015B (M) TPH Gasoline (Aqueous) . . . . .	3
	1.2 EPA 8260B Volatile Organics (Aqueous) . . . . .	4
2	Quality Control Sample Data . . . . .	5
	2.1 MS/MSD and/or Duplicate . . . . .	5
	2.2 LCS/LCSD . . . . .	7
3	Glossary of Terms and Qualifiers . . . . .	9
4	Chain of Custody/Sample Receipt Form . . . . .	10

**Analytical Report**



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

Date Received: 12/01/11  
 Work Order No: 11-12-0004  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-12-0004-1-C	11/30/11 12:50	Aqueous	GC 11	12/01/11	12/01/11 16:24	111201B01

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	77	38-134			

W-HT	11-12-0004-3-C	11/30/11 13:00	Aqueous	GC 11	12/01/11	12/01/11 18:08	111201B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	160	50	1	HD	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	76	38-134			

Method Blank	099-12-436-6,894	N/A	Aqueous	GC 11	12/01/11	12/01/11 14:41	111201B01
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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	76	38-134			

Return to Contents

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



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

Date Received: 12/01/11  
Work Order No: 11-12-0004  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-12-0004-1-A	11/30/11 12:50	Aqueous	GC/MS FFF	12/01/11	12/01/11 19:48	111201L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	101	68-120			Dibromofluoromethane	104	80-127		
1,2-Dichloroethane-d4	109	80-128			Toluene-d8	102	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-OUT-WC1	11-12-0004-2-A	11/30/11 12:55	Aqueous	GC/MS FFF	12/01/11	12/01/11 20:16	111201L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	98	68-120			Dibromofluoromethane	107	80-127		
1,2-Dichloroethane-d4	115	80-128			Toluene-d8	101	80-120		

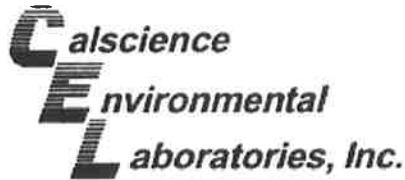
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-HT	11-12-0004-3-A	11/30/11 13:00	Aqueous	GC/MS FFF	12/01/11	12/01/11 20:43	111201L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.6	5.0	10		Xylenes (total)	ND	5.0	10	U
Toluene	ND	5.0	10	U	Methyl-t-Butyl Ether (MTBE)	220	5.0	10	
Ethylbenzene	ND	5.0	10	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	100	68-120			Dibromofluoromethane	107	80-127		
1,2-Dichloroethane-d4	114	80-128			Toluene-d8	100	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-771	N/A	Aqueous	GC/MS FFF	12/01/11	12/01/11 11:31	111201L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	101	68-120			Dibromofluoromethane	105	80-127		
1,2-Dichloroethane-d4	109	80-128			Toluene-d8	98	80-120		

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 12/01/11  
Work Order No: 11-12-0004  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

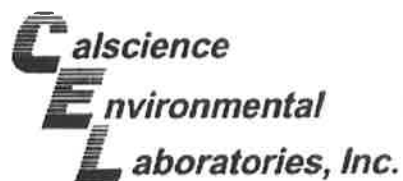
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-DSCHG	Aqueous	GC 11	12/01/11	12/01/11	111201S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	103	105	68-122	2	0-18	

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: 12/01/11  
Work Order No: 11-12-0004  
Preparation: EPA 5030C  
Method: EPA 8260B

Project ExxonMobil 73399/022776C

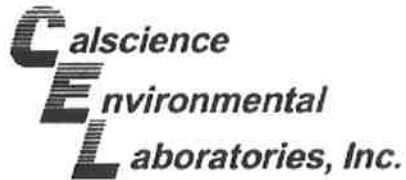
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-11-1860-3	Aqueous	GC/MS FFF	12/01/11	12/01/11	111201S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	110	101	76-124	8	0-20	
Toluene	10.00	115	108	80-120	6	0-20	
Ethylbenzene	10.00	115	107	78-126	7	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	119	113	67-121	5	0-49	
Tert-Butyl Alcohol (TBA)	50.00	281	107	36-162	89	0-30	HX.BA
Diisopropyl Ether (DIPE)	10.00	114	112	60-138	2	0-45	
Ethyl-t-Butyl Ether (ETBE)	10.00	118	116	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	10.00	111	104	65-120	7	0-20	
Ethanol	100.0	103	118	30-180	13	0-72	

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: 11-12-0004  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

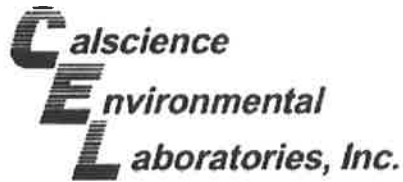
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-6,894	Aqueous	GC 11	12/01/11	12/01/11	111201B01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	105	108	78-120	3	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: 11-12-0004  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-771	Aqueous	GC/MS FFF	12/01/11	12/01/11	111201L01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	109	107	80-120	2	0-20	
Toluene	10.00	111	108	80-120	3	0-20	
Ethylbenzene	10.00	112	108	80-120	3	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	105	110	69-123	4	0-20	
Tert-Butyl Alcohol (TBA)	50.00	102	98	63-123	4	0-20	
Diisopropyl Ether (DIPE)	10.00	107	108	59-137	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	110	115	69-123	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	108	109	70-120	1	0-20	
Ethanol	100.0	112	99	28-160	13	0-57	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 11-12-0004

<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.
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.
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.



**Sandy Tat**

---

**From:** Judy Hutton [judy.hutton@cardno.com]  
**Sent:** Friday, December 02, 2011 3:59 PM  
**To:** Sandy Tat; Corey Weiand  
**Subject:** RE: ExxonMobil 73399/022776C (11-12-0004)  
**Attachments:** 2776 Revised COC Nov 2011.pdf

Hi Sandy,

I have attached the revised COC for 73399/022776C (11-12-0004). The times are as followed:

W-DSCHG 1250  
W-OUT-WC2 1255  
W-HT 1300

Let me know if you have any questions.

Thank you,  
Judy

***Judy Hutton***

Operations & Maintenance Administrator

**Cardno ERI**

601 North McDowell Blvd., Petaluma, CA 94954

**Phone:** 707 766 2000 **Direct:** 707 766 2016 **Mobile:** 707 338 8399 **Fax:** 707 789 0414

---

**From:** Sandy Tat [mailto:stat@calscience.com]  
**Sent:** Thursday, December 01, 2011 4:20 PM  
**To:** Corey Weiand; Judy Hutton  
**Subject:** ExxonMobil 73399/022776C (11-12-0004)  
**Importance:** High

Hi Corey / Judy,

Please fill in the sampling times for this work order. Thanks!

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









0004



< WebShip > > > > >

800-322-5555 www.gso.com

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

Tracking #: 517939564

NPS

ORC  
GARDEN GROVE

D

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

D92843A



96492530

COD:  
\$0.00

Reference:  
ERI

Delivery Instructions:

Signature Type:  
SIGNATURE REQUIRED

Print Date 11/30/11 16:52 PM

Package 2 of 2

Send Label To Printer  Print All Edit Shipment Finish

**LABEL INSTRUCTIONS:**

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

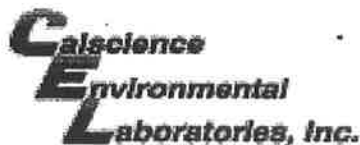
**ADDITIONAL OPTIONS:**

Send Label Via Email Create Return Label

**TERMS AND CONDITIONS:**

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

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WORK ORDER #: 11-12-0004

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 12/01/11

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

Temperature 1.0 °C + 0.5°C (CF) = 1.5 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

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

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

Ambient Temperature:  Air  Filter Initial: hL

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: DL

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: DS

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Water:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

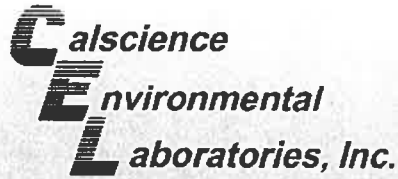
250PB  250PBn  125PB  125PBzanna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: LSK

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

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 zanna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: PS

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# CALSCIENCE

WORK ORDER NUMBER: 11-11-1923

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For**

**Client:** Cardno ERI

**Client Project Name:** ExxonMobil 73399/022776C

**Attention:** Paula Sime  
601 North McDowell Blvd.  
Petaluma, CA 94954-2312

*Cecile L. deGuia*

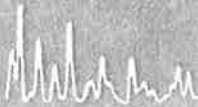
Approved for release on 12/9/2011 by:  
Cecile deGuia  
Project Manager

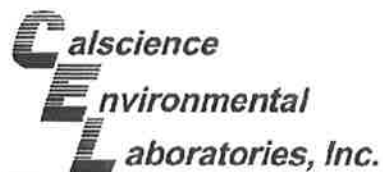
ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.





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Work Order Number: 11-11-1923

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**CASE NARRATIVE**

**Calscience Work Order No.: 11-11-1923**  
**Client Reference: ExxonMobil 73399/022776C**

Note that all the VOA vials received for samples W-DSCHG and W-OUT-WC1 for the above site have headspace. This anomaly was emailed to the client on November 29, 2011. The laboratory was instructed to dispose these samples and will be re-sampled. Therefore, the EPA 8015B(M) for TPH-Gasoline and EPA 8260B for BTEX/MTBE were cancelled for these samples. Please refer to the attached email.

The replacement samples were received on December 01, 2011 and assigned to WO# 11-12-0004.

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A handwritten signature in black ink, appearing to be "M. J. ...".

**Analytical Report**



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

Date Received: 11/29/11  
Work Order No: 11-11-1923  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-11-1923-1-F	11/22/11 11:00	Aqueous	GC 47	11/29/11	11/30/11 11:03	111129B07S

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

W-HT	11-11-1923-3-F	11/22/11 11:30	Aqueous	GC 47	11/29/11	11/30/11 11:18	111129B07S
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

Method Blank	099-12-330-2,082	N/A	Aqueous	GC 47	11/29/11	11/30/11 10:19	111129B07S
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	111	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: 11/29/11  
Work Order No: 11-11-1923  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-HT	11-11-1923-3-C	11/22/11 11:30	Aqueous	GC 25	11/30/11	12/01/11 04:20	111130B01

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	360	50	1	HD	ug/L

<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
1,4-Bromofluorobenzene	80	38-134	

<b>Method Blank</b>	<b>099-12-436-6,888</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 25</b>	<b>11/30/11</b>	<b>11/30/11 17:39</b>	<b>111130B01</b>
---------------------	-------------------------	------------	----------------	--------------	-----------------	-----------------------	------------------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
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	82	38-134	

Return to Contents

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



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

Date Received: 11/29/11  
Work Order No: 11-11-1923  
Preparation: EPA 5030C  
Method: EPA 8260B  
Units: ug/L

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-HT	11-11-1923-3-A	11/22/11 11:30	Aqueous	GC/MS FFF	11/29/11	11/30/11 08:05	111129L02

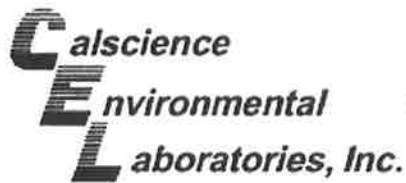
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	10	U	Xylenes (total)	ND	5.0	10	U
Toluene	ND	5.0	10	U	Methyl-t-Butyl Ether (MTBE)	400	5.0	10	
Ethylbenzene	ND	5.0	10	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	98	68-120			Dibromofluoromethane	116	80-127		
1,2-Dichloroethane-d4	122	80-128			Toluene-d8	101	80-120		

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-767	N/A	Aqueous	GC/MS FFF	11/29/11	11/29/11 23:19	111129L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	ND	0.50	1	U					
<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>		<b>Surrogates:</b>	<b>REC (%)</b>	<b>Control Limits</b>	<b>Qual</b>	
1,4-Bromofluorobenzene	97	68-120			Dibromofluoromethane	109	80-127		
1,2-Dichloroethane-d4	112	80-128			Toluene-d8	100	80-120		

Return to Contents ↑

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 11/29/11  
Work Order No: 11-11-1923  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

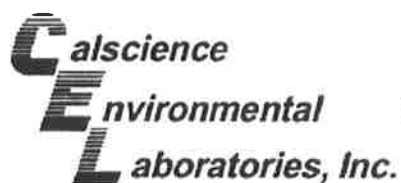
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-11-1840-11	Aqueous	GC 25	11/30/11	11/30/11	111130S01

<u>Parameter</u>	<u>SPIKE ADDED</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	101	100	68-122	1	0-18	

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: 11/29/11  
Work Order No: 11-11-1923  
Preparation: EPA 5030C  
Method: EPA 8260B

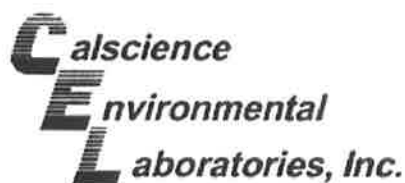
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-11-1916-2	Aqueous	GC/MS FFF	11/29/11	11/30/11	111129S02

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	107	106	76-124	1	0-20	
Toluene	10.00	108	106	80-120	2	0-20	
Ethylbenzene	10.00	106	104	78-126	2	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	119	117	67-121	2	0-49	
Tert-Butyl Alcohol (TBA)	50.00	127	119	36-162	7	0-30	
Diisopropyl Ether (DIPE)	10.00	122	120	60-138	2	0-45	
Ethyl-t-Butyl Ether (ETBE)	10.00	120	116	69-123	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	10.00	104	100	65-120	4	0-20	
Ethanol	100.0	112	115	30-180	3	0-72	

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: 11-11-1923  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

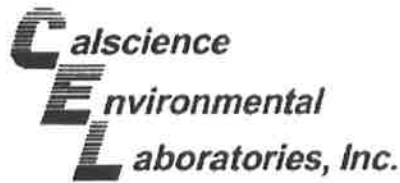
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-2,082	Aqueous	GC 47	11/29/11	11/30/11	111129B07S

Parameter	<u>SPIKE ADDED</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	2000	95	94	75-117	1	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: 11-11-1923  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

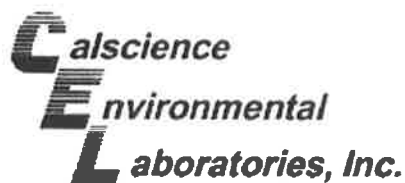
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-6,888	Aqueous	GC 25	11/30/11	11/30/11	111130B01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	105	108	78-120	4	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: 11-11-1923  
Preparation: EPA 5030C  
Method: EPA 8260B

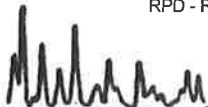
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-767	Aqueous	GC/MS FFF	11/29/11	11/29/11	111129L02

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	105	105	80-120	0	0-20	
Toluene	10.00	105	105	80-120	0	0-20	
Ethylbenzene	10.00	108	105	80-120	3	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	110	113	69-123	2	0-20	
Tert-Butyl Alcohol (TBA)	50.00	104	103	63-123	1	0-20	
Diisopropyl Ether (DIPE)	10.00	117	114	59-137	2	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	113	112	69-123	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	100	100	70-120	0	0-20	
Ethanol	100.0	115	114	28-160	2	0-57	

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RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 11-11-1923

<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.
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.
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.



**Sandy Tat**

---

**From:** Judy Hutton [judy.hutton@cardno.com]  
**Sent:** Friday, December 02, 2011 3:56 PM  
**To:** Sandy Tat  
**Subject:** RE: ExxonMobil 73399/022776C (11-11-1923)

Hi Sandy,

We have resampled for TPHg and EPA 8260B for 2776 on November 30, 2011. Please dispose of the vials that will expire on 12/05/2011.

Thank you,  
Judy

**Judy Hutton**

Operations & Maintenance Administrator

**Cardno ERI**

601 North McDowell Blvd., Petaluma, CA 94954

**Phone:** 707 766 2000 **Direct:** 707 766 2016 **Mobile:** 707 338 8399 **Fax:** 707 789 0414

---

**From:** Sandy Tat [mailto:stat@calscience.com]  
**Sent:** Friday, December 02, 2011 2:52 PM  
**To:** Judy Hutton  
**Subject:** RE: ExxonMobil 73399/022776C (11-11-1923)  
**Importance:** High

Hi Judy,

Just a reminder. The vials for the TPH-G and EPA 8260B will be expire on 12/05; therefore, please let me know before the expiration. Thanks!

Sandy Tat

Project Manager Assistant

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way

Garden Grove, CA 92841-1427

Phone: 714-895-5494 x220

Fax: 714-894-7501

[stat@calscience.com](mailto:stat@calscience.com)



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**From:** Judy Hutton [mailto:judy.hutton@cardno.com]  
**Sent:** Wednesday, November 30, 2011 10:35 AM



**To:** Sandy Tat  
**Subject:** RE: ExxonMobil 73399/022776C (11-11-1923)

You are amazing and thank you!

**Judy Hutton**

Operations & Maintenance Administrator

**Cardno ERI**

601 North McDowell Blvd., Petaluma, CA 94954

**Phone:** 707 766 2000 **Direct:** 707 766 2016 **Mobile:** 707 338 8399 **Fax:** 707 789 0414

---

**From:** Sandy Tat [mailto:stat@calscience.com]

**Sent:** Tuesday, November 29, 2011 5:18 PM

**To:** Judy Hutton; Paula Sime

**Cc:** Matt Herman

**Subject:** RE: ExxonMobil 73399/022776C (11-11-1923)

Hi Judy,

Okay, we'll hold the TPH-G and EPA 8260B from sample (W-DSCHG) & (W-OUT-WC1) for further notice. Thanks!

Sandy Tat

Project Manager Assistant

Calscience Environmental Laboratories, Inc.

7440 Lincoln Way

Garden Grove, CA 92841-1427

Phone: 714-895-5494 x220

Fax: 714-894-7501

[stat@calscience.com](mailto:stat@calscience.com)



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**From:** Judy Hutton [mailto:judy.hutton@cardno.com]

**Sent:** Tuesday, November 29, 2011 5:14 PM

**To:** Sandy Tat; Paula Sime

**Cc:** Matt Herman

**Subject:** RE: ExxonMobil 73399/022776C (11-11-1923)

Hi Sandy,

Please run the TPHd for W-DSCHG. Thank you!

Judy

**Judy Hutton**

Operations & Maintenance Administrator

**Cardno ERI**

601 North McDowell Blvd., Petaluma, CA 94954

**Phone:** 707 766 2000 **Direct:** 707 766 2016 **Mobile:** 707 338 8399 **Fax:** 707 789 0414

---

**From:** Sandy Tat [mailto:stat@calscience.com]

**Sent:** Tuesday, November 29, 2011 5:03 PM

**To:** Judy Hutton; Paula Sime

**Cc:** Matt Herman

**Subject:** RE: ExxonMobil 73399/022776C (11-11-1923)

**Importance:** High

Hi Judy,

How about the TPH-Diesel from sample (W-DSCHG)? Do you want us to hold the TPH-Diesel too? Please advise.  
Thanks!

Sandy Tat

Project Manager Assistant

CalScience Environmental Laboratories, Inc.

7440 Lincoln Way

Garden Grove, CA 92841-1427

Phone: 714-895-5494 x220

Fax: 714-894-7501

[stat@calscience.com](mailto:stat@calscience.com)



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**From:** Judy Hutton [mailto:judy.hutton@cardno.com]

**Sent:** Tuesday, November 29, 2011 4:59 PM

**To:** Sandy Tat; Paula Sime

**Cc:** Matt Herman

**Subject:** RE: ExxonMobil 73399/022776C (11-11-1923)

Hi Sandy,

Please put these samples on hold and do not run analyses at this time.

Thank you,

Judy

**Judy Hutton**

Operations & Maintenance Administrator

**Cardno ERI**

601 North McDowell Blvd., Petaluma, CA 94954

Phone: 707 766 2000 Direct: 707 766 2016 Mobile: 707 338 8399 Fax: 707 789 0414

**From:** Sandy Tat [mailto:stat@calscience.com]  
**Sent:** Tuesday, November 29, 2011 3:23 PM  
**To:** Paula Sime; Judy Hutton  
**Subject:** ExxonMobil 73399/022776C (11-11-1923)  
**Importance:** High

Hi Paula / Judy,

All vials from sample (W-DSCHG) & (W-OUT-WC1) were with headspace; therefore, do you still want Calscience to proceed with the analyses? Please advise. Thanks!

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



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	<b>&lt; WebShip &gt; &gt; &gt; &gt;</b>	
	<b>800-322-5555 www.gso.com</b>	
<b>Ship From:</b> ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520	<b>Tracking #:</b> 517916387 	<b>EPS</b>
<b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841	<div style="border: 1px solid black; padding: 5px; display: inline-block; font-size: 2em; font-weight: bold;">ORC</div> <div style="border: 1px solid black; padding: 5px; display: inline-block; font-size: 2em; font-weight: bold; margin-left: 20px;">D</div>	
<b>COD:</b> \$0.00	<div style="font-size: 1.5em; font-weight: bold;">D92843A</div>	
<b>Reference:</b> ANTEA GROUP, CARDNO ERI	 <b>96390656</b>	
<b>Delivery Instructions:</b>	Print Date : 11/28/11 16:03 PM	
<b>Signature Type:</b> SIGNATURE REQUIRED		

1923

**Package 1 of 1**

<input type="button" value="Send Label To Printer"/>	<input checked="" type="checkbox"/> Print All	<input type="button" value="Edit Shipment"/>	<input type="button" value="Finish"/>
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**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:**

<input type="button" value="Send Label Via Email"/>	<input type="button" value="Create Return Label"/>
---	--

**TERMS AND CONDITIONS:**

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

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WORK ORDER #: 11-11-1923

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: CARDNO ERI

DATE: 11/29/11

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

Temperature 1.9 °C + 0.5°C (CF) = 2.4 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

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

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

Ambient Temperature:  Air  Filter Initial: WJ

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: WJ

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: PS

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Water:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

250PB  250PBn  125PB  125PBzanna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

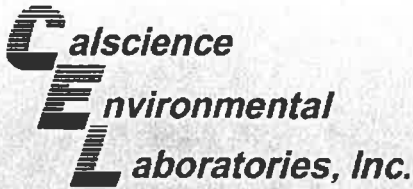
Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: PF

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

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 zanna: ZnAc<sub>2</sub>\*NaOH f: Filtered Scanned by: hcl

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# CALSCIENCE

WORK ORDER NUMBER: 11-12-0899

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED  
DEC 29 2011  
BY: .....

### Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 73399/022776C

Attention: Paula Sime

601 North McDowell Blvd.  
Petaluma, CA 94954-2312

*Cecile L. de Guia*

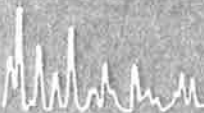
Approved for release on 12/27/2011 by:  
Cecile deGuia  
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.





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Work Order Number: 11-12-0899

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## Analytical Report



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

Date Received: 12/13/11  
Work Order No: 11-12-0899  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-12-0899-1-F	12/08/11 15:00	Aqueous	GC 45	12/15/11	12/15/11 23:01	111215B10

<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>
Decachlorobiphenyl	89	68-140	

W-HT	11-12-0899-3-F	12/08/11 15:30	Aqueous	GC 45	12/15/11	12/15/11 23:16	111215B10
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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	SG,U	ug/L

<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
Decachlorobiphenyl	85	68-140	

Method Blank	099-12-330-2,094	N/A	Aqueous	GC 45	12/15/11	12/15/11 22:15	111215B10
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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>
Decachlorobiphenyl	81	68-140	

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers

**Analytical Report**


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

Date Received: 12/13/11  
 Work Order No: 11-12-0899  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-12-0899-1-D	12/08/11 15:00	Aqueous	GC 56	12/15/11	12/16/11 00:04	111215B02

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	38-134	

W-HT	11-12-0899-3-C	12/08/11 15:30	Aqueous	GC 56	12/15/11	12/16/11 00:35	111215B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	160	50	1	HD	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	38-134	

Method Blank	099-12-436-6,946	N/A	Aqueous	GC 56	12/15/11	12/15/11 17:12	111215B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	38-134	

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

## Analytical Report



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

Date Received: 12/13/11  
 Work Order No: 11-12-0899  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: ExxonMobil 73399/022776C

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-DSCHG	11-12-0899-1-A	12/08/11 15:00	Aqueous	GC/MS BB	12/14/11	12/15/11 06:47	111214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	83	68-120			Dibromofluoromethane	94	80-127		
1,2-Dichloroethane-d4	102	80-128			Toluene-d8	96	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-OUT-WC1	11-12-0899-2-B	12/08/11 15:15	Aqueous	GC/MS BB	12/14/11	12/15/11 07:18	111214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	83	68-120			Dibromofluoromethane	97	80-127		
1,2-Dichloroethane-d4	103	80-128			Toluene-d8	93	80-120		

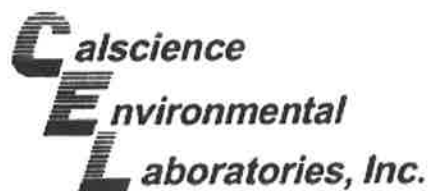
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-HT	11-12-0899-3-A	12/08/11 15:30	Aqueous	GC/MS BB	12/14/11	12/15/11 07:48	111214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	4.0	8	U	Xylenes (total)	ND	4.0	8	U
Toluene	ND	4.0	8	U	Methyl-t-Butyl Ether (MTBE)	200	4.0	8	
Ethylbenzene	ND	4.0	8	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	86	68-120			Dibromofluoromethane	101	80-127		
1,2-Dichloroethane-d4	102	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
Method Blank	099-12-880-784	N/A	Aqueous	GC/MS BB	12/14/11	12/15/11 03:46	111214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	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	85	68-120			Dibromofluoromethane	101	80-127		
1,2-Dichloroethane-d4	104	80-128			Toluene-d8	94	80-120		

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



## Quality Control - Spike/Spike Duplicate



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

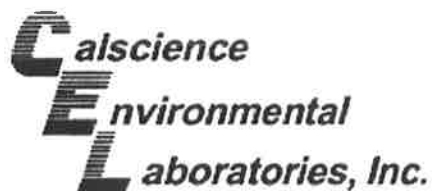
Date Received: 12/13/11  
Work Order No: 11-12-0899  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-12-1069-6	Aqueous	GC 56	12/15/11	12/15/11	111215S02

<u>Parameter</u>	<u>SPIKE ADDED</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	110	111	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

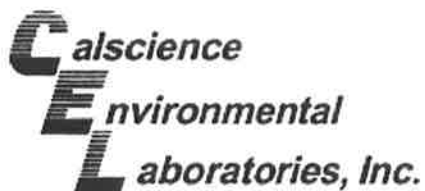
Date Received: 12/13/11  
Work Order No: 11-12-0899  
Preparation: EPA 5030C  
Method: EPA 8260B

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-12-1047-1	Aqueous	GC/MS BB	12/14/11	12/14/11	111214S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC.CL	RPD	RPD CL	Qualifiers
Benzene	10.00	95	97	76-124	1	0-20	
Toluene	10.00	98	97	80-120	0	0-20	
Ethylbenzene	10.00	105	106	78-126	1	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	89	92	67-121	4	0-49	
Tert-Butyl Alcohol (TBA)	50.00	112	108	36-162	3	0-30	
Diisopropyl Ether (DIPE)	10.00	95	96	60-138	1	0-45	
Ethyl-t-Butyl Ether (ETBE)	10.00	90	92	69-123	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	10.00	91	95	65-120	4	0-20	
Ethanol	100.0	104	111	30-180	6	0-72	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

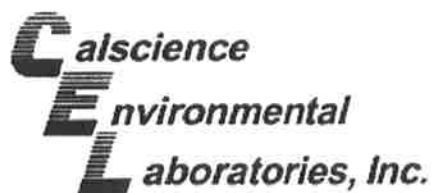
Date Received: N/A  
Work Order No: 11-12-0899  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-2,094	Aqueous	GC 45	12/15/11	12/15/11	111215B10

<u>Parameter</u>	<u>SPIKE ADDED</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	2000	80	81	75-117	1	0-13	

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: 11-12-0899  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

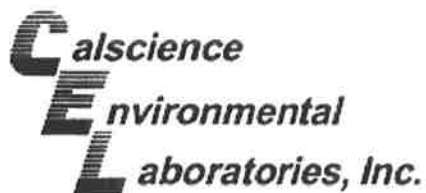
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-6,946	Aqueous	GC 56	12/15/11	12/15/11	111215B02

Parameter	<u>SPIKE ADDED</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	101	108	78-120	7	0-10	

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: 11-12-0899  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-784	Aqueous	GC/MS BB	12/14/11	12/15/11	111214L02

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	97	100	80-120	3	0-20	
Toluene	10.00	98	101	80-120	3	0-20	
Ethylbenzene	10.00	105	108	80-120	4	0-20	
Methyl-t-Butyl Ether (MTBE)	10.00	92	97	69-123	6	0-20	
Tert-Butyl Alcohol (TBA)	50.00	97	105	63-123	7	0-20	
Diisopropyl Ether (DIPE)	10.00	95	99	59-137	4	0-37	
Ethyl-t-Butyl Ether (ETBE)	10.00	91	93	69-123	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	10.00	92	97	70-120	6	0-20	
Ethanol	100.0	113	106	28-160	7	0-57	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 11-12-0899

<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





0849

		<b>&lt; WebShip &gt; &gt; &gt; &gt;</b> 800-322-5555 www.gso.com	
<b>Ship From:</b> ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520		Tracking #: 518024071 	NPS
<b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841		<b>ORC</b> <b>GARDEN GROVE</b>	
COD: \$0.00		<b>D92841A</b>  96834415	
<b>Reference:</b> ANCHOR QEA, CARDNO ERI, ARCADIS		Print Date : 12/12/11 16:10 PM	
<b>Delivery Instructions:</b>		<b>Package 1 of 1</b>	
<b>Signature Type:</b> SIGNATURE REQUIRED			

Print All

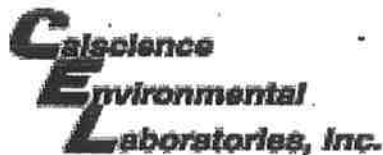
**LABEL INSTRUCTIONS:**

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



WORK ORDER #: 11-12-0899

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: CardnoERI

DATE: 12/13/11

**TEMPERATURE:** Thermometer ID: SC3 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 2.6 °C - 0.3°C (CF) = 2.3 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

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

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

Ambient Temperature:  Air  Filter Initial: JP

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: JP

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: KM

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_

Water:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

250PB  250PBn  125PB  125PBznnna  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: n/a Labeled/Checked by: KM

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

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 znnna: ZnAc<sub>2</sub>+NaOH f: Filtered Scanned by: JP