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**Jennifer C. Sedlachek**  
Project Manager

**ExxonMobil**

November 12, 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**

8:55 am, Nov 14, 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 *Groundwater Monitoring and Remediation Status Report, Third Quarter 2012*, dated November 12, 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 *Groundwater Monitoring and Remediation Status Report, Third Quarter 2012*, dated November 12, 2012

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

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

November 12, 2012  
Cardno ERI 2776C.Q123

Ms. Jennifer C. Sedlachek  
ExxonMobil Environmental Services  
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**SUBJECT** Groundwater Monitoring and Remediation Status Report, Third Quarter 2012  
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 third quarter 2012 groundwater monitoring and sampling activities and operated a GWPTS at the subject site. Additional monitoring and sampling activities were conducted during the third quarter to evaluate current site conditions. Semi-annual groundwater monitoring and sampling will resume in the fourth quarter. 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>	09/26/12
<b>Sampling dates</b>	09/26/12 through 09/28/12
<b>Wells gauged and sampled:</b>	MW1, MW4, MW5S, MW5D, MW7, MW9A, MW10, MW12A, MW14, PMW1, PMW3
<b>Wells gauged only:</b>	MW11, MW13, OW1, OW2, PMW2, PMW4 through PMW6, VR1, VR2
<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

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**Waste disposal:** 471 gallons purge and decon water transferred to the GWPTS system from 09/26/12 through 09/28/12

### 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 VR2. Pumping wells OW1 and OW2 were shut down in October 2004. Pumping well VR1 was shut down in May 2012.

Analytical results of the remediation water treatment system in May 2012 indicated breakthrough of the primary carbon vessel of MTBE. On June 12, 2012, the spent carbon in the primary vessel was changed out and removed from the site. Waste disposal documentation for the carbon is included as Appendix D. The GWPTS system was not shut down and continued to operate after the carbon was replaced.

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

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

**System reporting period:** 06/20/12 – 09/17/12

**System modifications during reporting period:** None

**System status during reporting period:** Active

**Wells used for extraction:**

MW9A and VR2	06/20/12 to 08/16/12
MW9A	08/16/12 to 09/17/12
VR2	Dry – 08/16/12 to 09/17/12

**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)
06/20/12 – 09/17/12	373,300	0.1970	<0.0029	0.1463
To Date:	11,937,910	<12.0278	<0.2375	<12.9108

### DISCUSSION

The groundwater flow direction in Zone 1 was towards the west under a hydraulic gradient of 0.05. The groundwater flow direction in Zone 3 was towards the southeast under a hydraulic gradient of 0.0002. There were not enough data points to calculate the groundwater flow direction in the perched zone or Zone 2.

Zone 7 Water Agency Groundwater Section (Zone 7) informed Cardno ERI that that the Hopyard 6 well, located approximately 1,200 feet northwest of the site was pumping approximately 5 million gallons of water a day and has been doing so since spring 2012. The September 2012 monitoring results indicate that groundwater levels

November 12, 2012  
Cardno ERI 2776C.Q123 Former Exxon Service Station 73399, Pleasanton, California

at the site have dropped by approximately 10 feet. On October 8, 2012, Zone 7 informed Cardno ERI that pumping activities at Hopyard 6 well had ceased.

Cardno ERI was unable to collect groundwater samples from several wells during third quarter 2012: there were less than 6 inches of water in wells PMW2, PMW4 through PMW6, OW2, and VR2; well OW1 was dry; and wells MW11, MW13, and VR1 were obstructed during the third quarter.

Dissolve-phase hydrocarbons as gasoline (TPHg) were not reported in samples collected from the wells. MTBE concentrations were reported in wells MW8, MW9A, and MW10 at up to 6.3 µg/L. This is consistent with historical data. Maximum BTEX concentrations were reported in wells MW12A, MW14, PMW1, and PMW3 at concentrations up to 3.6 µg/L, 1.8 µg/L, 2.3 µg/L, and 5.9 µg/L, respectively. The BTEX results are not consistent with historical site data. Benzene was reported at 5.2 µg/L in an equipment blank sample collected from the submersible pump used to purge the wells. Concentrations of BTEX compounds reported in the wells may be a result of cross contamination.

## CONCLUSIONS

Select dissolved-phase concentrations reported during second quarter 2012 were not consistent with recent site data. The detections of BTEX compounds in many wells suggested that there may have been some cross contamination during sampling or analysis. Cardno ERI conducted this additional third quarter sampling event to further evaluate current site conditions. Select dissolved-phase concentrations reported during the third quarter are not consistent with historic site data. The equipment blank collected during third quarter 2012 indicates cross contamination may have occurred during this and previous events. The MTBE results appear to be consistent with historical data but the BTEX results do not.

## RECOMMENDATIONS

Cardno ERI recommends continued semi-annual groundwater monitoring and sampling during the second and fourth quarters and continued remediation at the site.

With groundwater levels currently lowered and favorable for SVE, Cardno ERI recommends conducting a feasibility test to assess short-term focused SVE High-Intensity Targeted (HIT) events at the site. Should groundwater levels rebound, Cardno ERI recommends increasing pumping in well MW9A to expose the screen for an SVE HIT event.

Cardno ERI recommends mobilizing to the site to attempt to remove the obstructions in wells MW11, MW13, and VR1 prior to the fourth quarter 2012 monitoring and sampling event.

## WORK IN PROGRESS

Cardno ERI submitted a *Work Plan for SVE HIT Event Feasibility Testing*, dated November 6, 2012.

Cardno ERI is currently attempting to identify and eliminate the source of the cross contamination observed at the site.

## 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.

November 12, 2012  
 Cardno ERI 2776C.Q123 Former Exxon Service Station 73399, Pleasanton, California

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

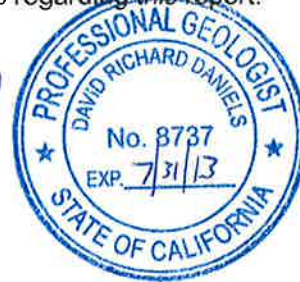
Sincerely,

SCANNED  
 IMAGE  
*Jennifer L. Lacy*

Jennifer L. Lacy  
 Senior Staff Scientist  
 for Cardno ERI  
 707 766 2000  
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Enclosures:

#### Acronym List

Plate 1	Site Vicinity Map
Plate 2	Select Analytical Results
Plate 3	Groundwater Elevation Map – Perched Zone
Plate 4	Groundwater Elevation Map – Zone 1
Plate 5	Groundwater Elevation Map – Zone 2
Plate 6	Groundwater Elevation Map – Zone 3
Table 1A	Cumulative Groundwater Monitoring and Sampling Data
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
Appendix D	Waste Disposal Documentation

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

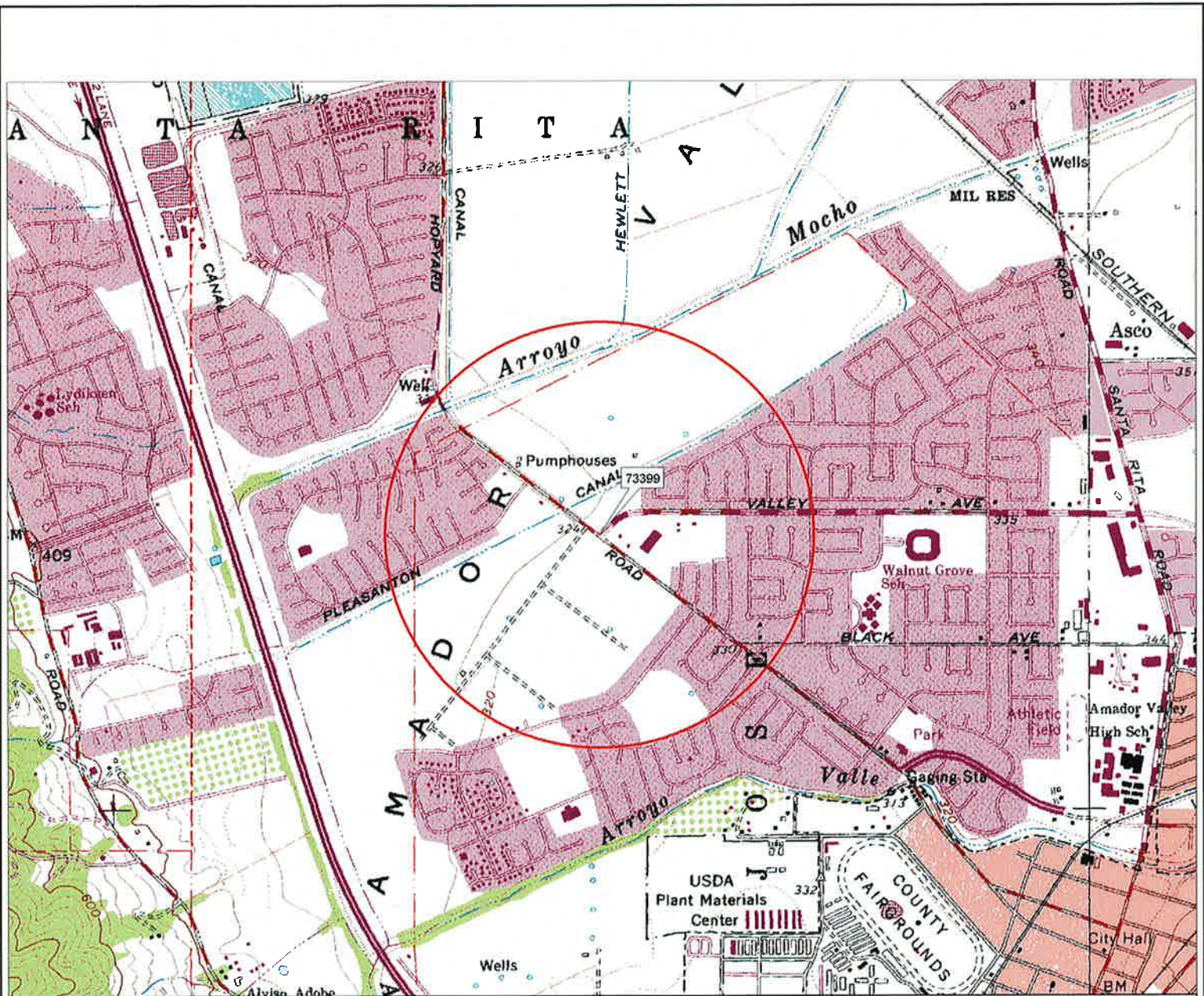
Mr. Matthew Katen, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, California, 94551

November 12, 2012

Cardno ERI 2776C.Q123 Former Exxon Service Station 73399, Pleasanton, California

**ACRONYM LIST**

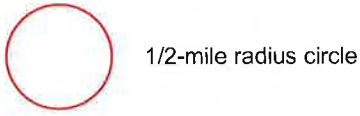
µg/L	Micrograms per liter	NEPA	National Environmental Policy Act
µs	Microsiemens	NGVD	National Geodetic Vertical Datum
1,2-DCA	1,2-dichloroethane	NPDES	National Pollutant Discharge Elimination System
acfm	Actual cubic feet per minute	O&M	Operations and Maintenance
AS	Air sparge	ORP	Oxidation-reduction 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		



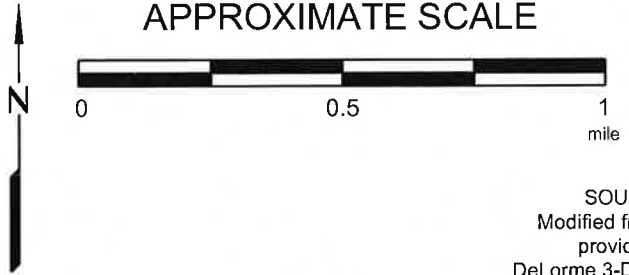
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 www.delorme.com

FN 2776TOPO

**EXPLANATION**



**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

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 2776  
**PLATE**  
 1

Analyte Concentrations in ug/L  
 Sampled September 26 and 27, 2012

Total Petroleum Hydrocarbons  
 as gasoline

Benzene

Methyl Tertiary Butyl Ether

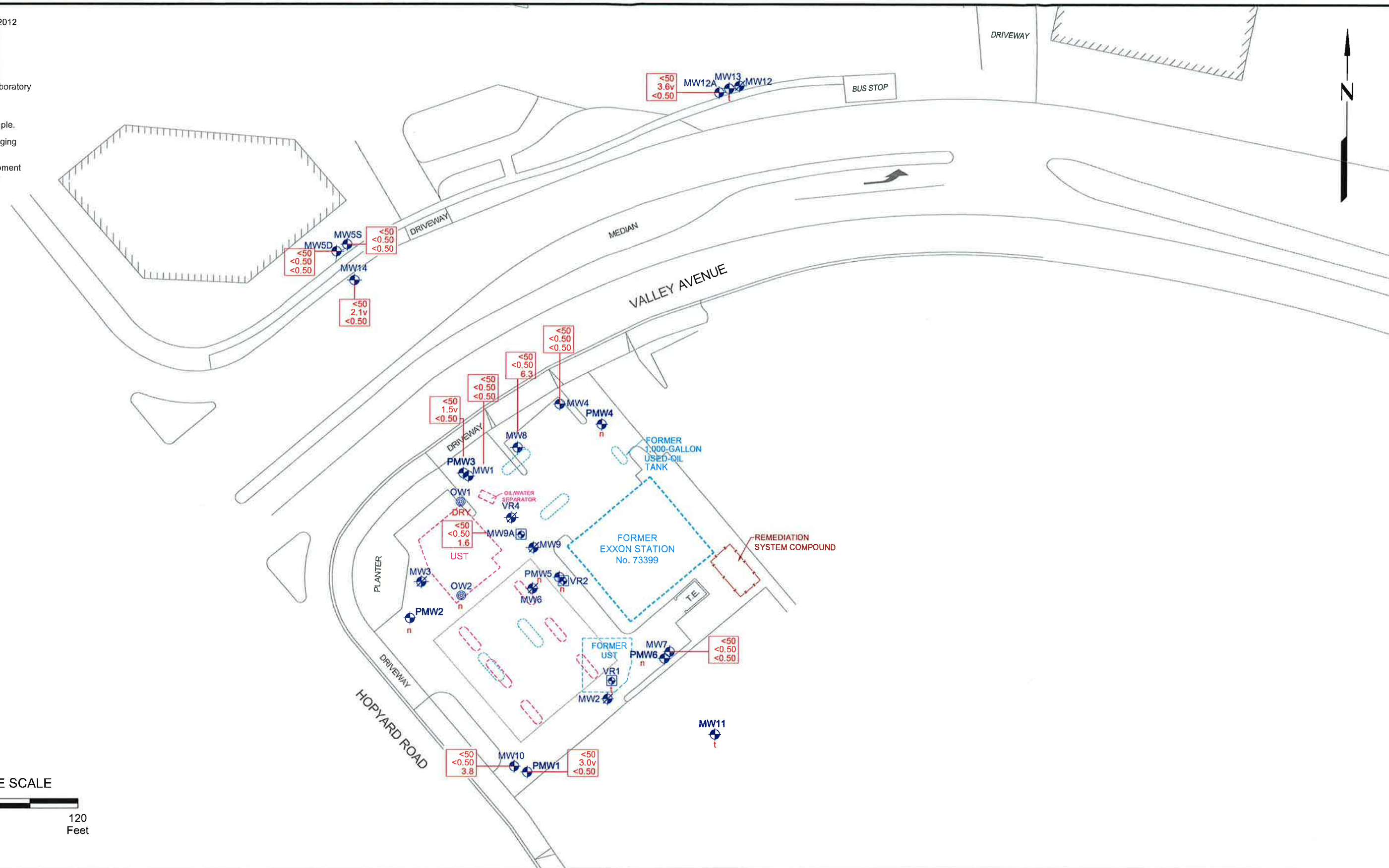
< Less Than the Stated Laboratory  
 Reporting Limit

ug/L Micrograms per Liter

n Not enough water to sample.

t Well inaccessible for gauging  
 and/or sampling.

v Analyte detected in equipment  
 blank; results suspect.



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**SELECT ANALYTICAL RESULTS**  
**September 26 and 27, 2012**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

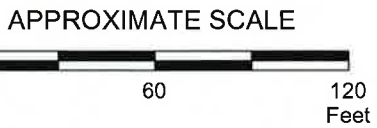
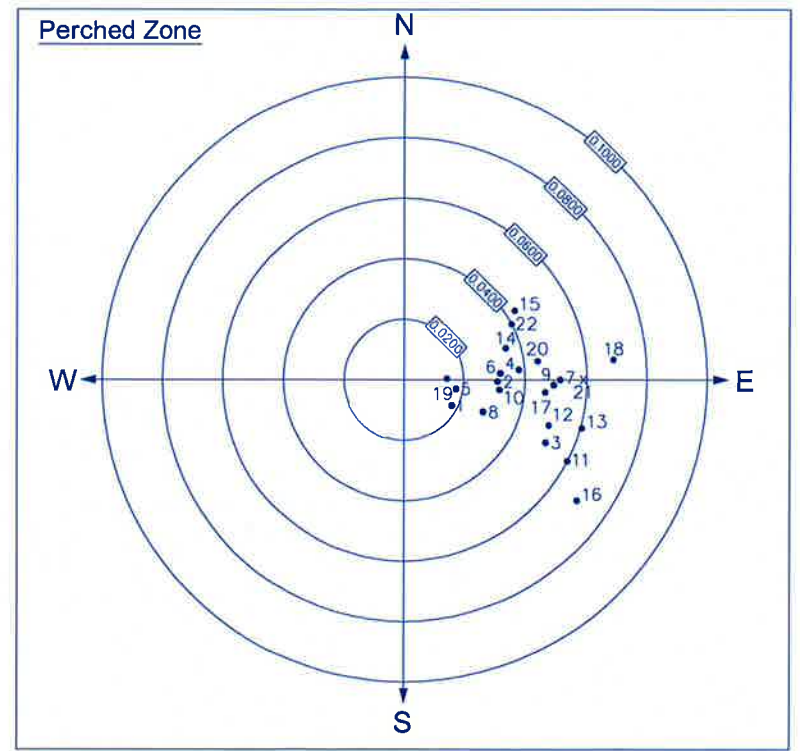
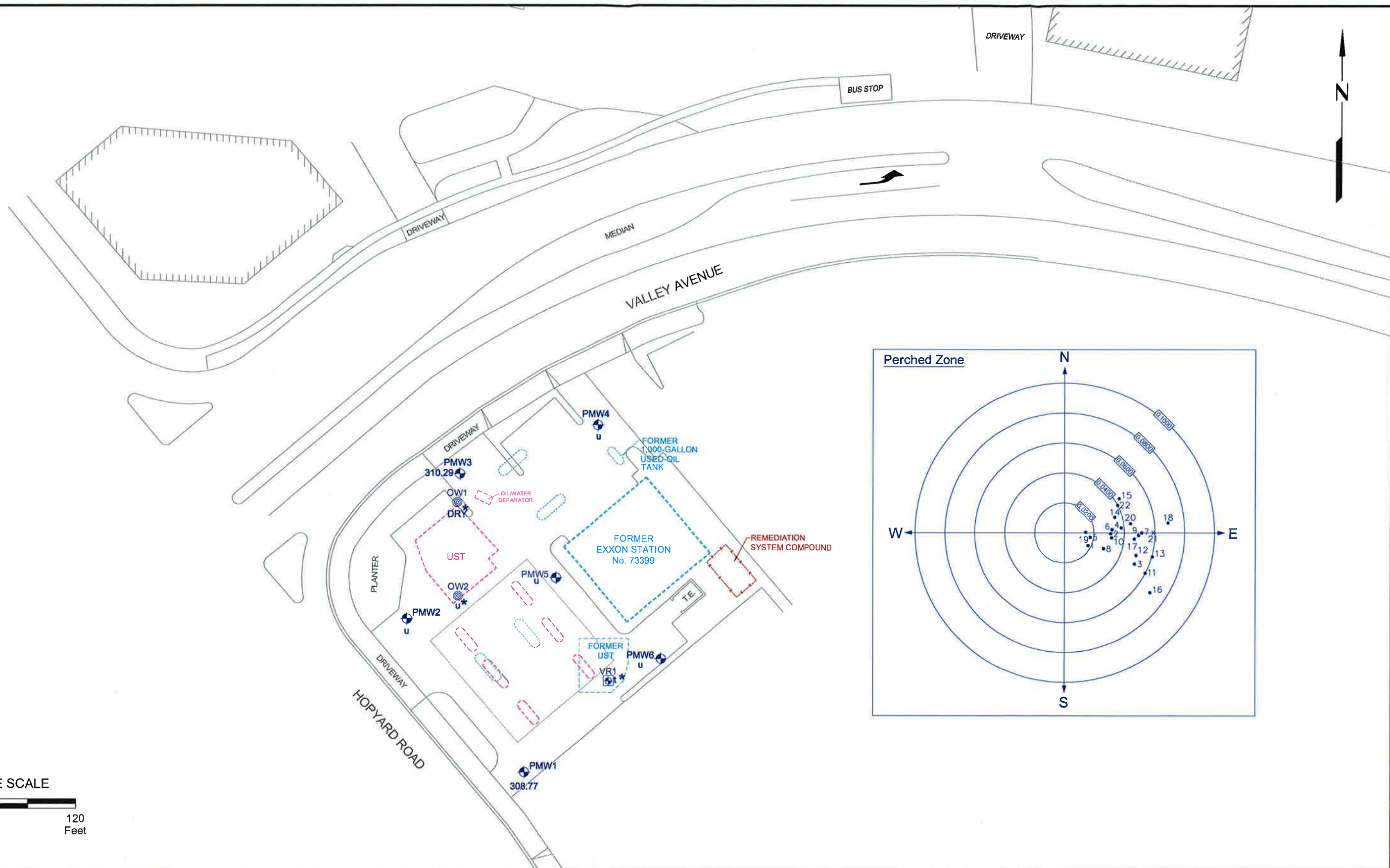
- Groundwater Monitoring Well
- Destroyed Groundwater Monitoring Well
- Recovery Groundwater Monitoring Well
- Observation Well

- Dispenser Island
- Former Dispenser Island

- Dispenser Island
- Former Dispenser Island

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 2776  
**PLATE**  
 2





FN 2776 12 3QTR QM



**GROUNDWATER ELEVATION MAP - PERCHED ZONE**  
**September 26, 2012**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

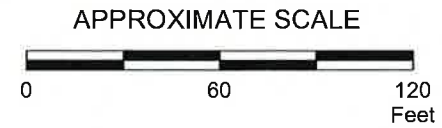
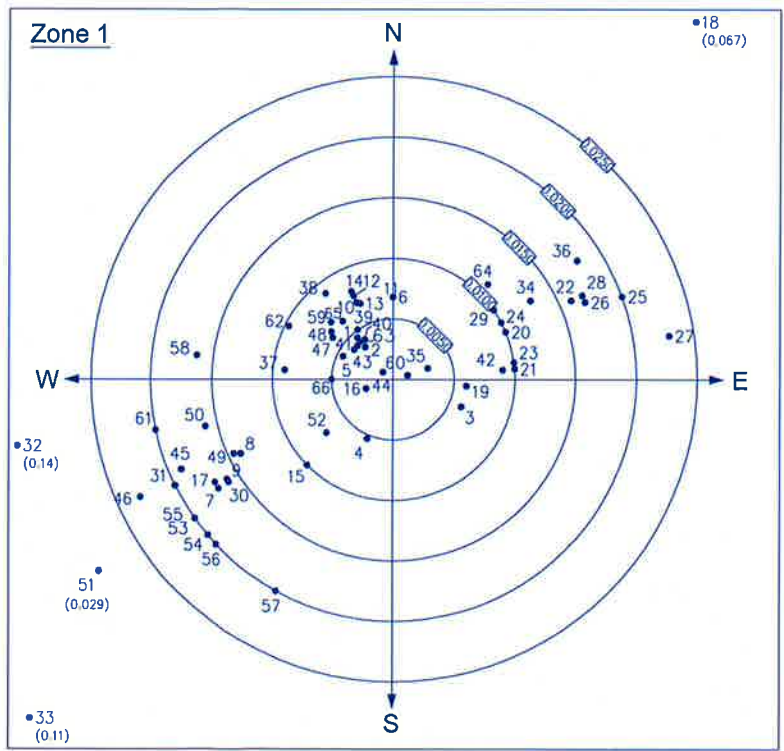
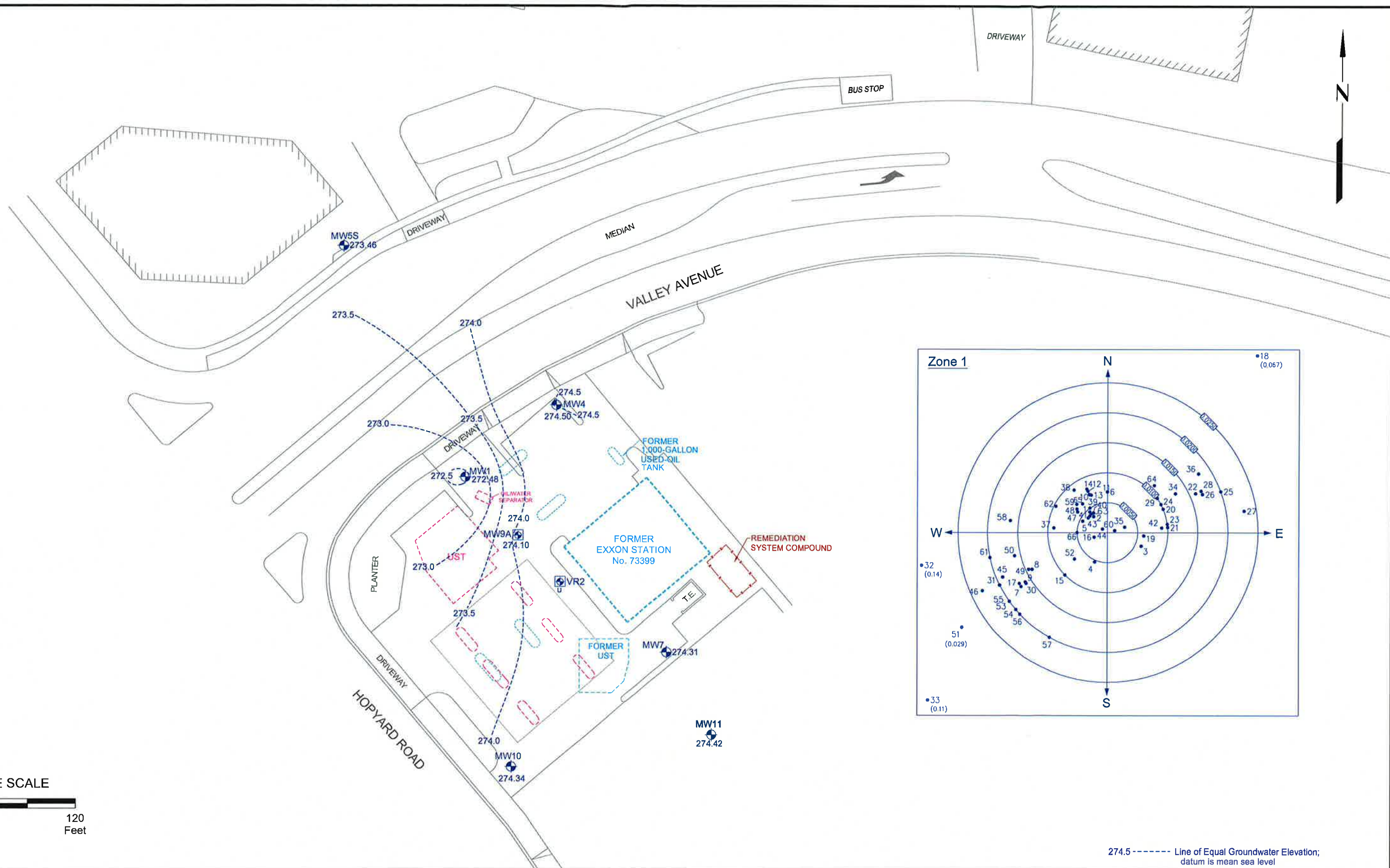
- PMW3  
 Groundwater Monitoring Well
- 310.29  
 Groundwater elevation in feet; datum is mean sea level
- OW2  
 Observation Well

- 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.

- Dispenser Island
- Former Dispenser Island

**PROJECT NO.**  
2776

**PLATE**  
3



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**GROUNDWATER ELEVATION MAP - ZONE 1**  
**September 26, 2012**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

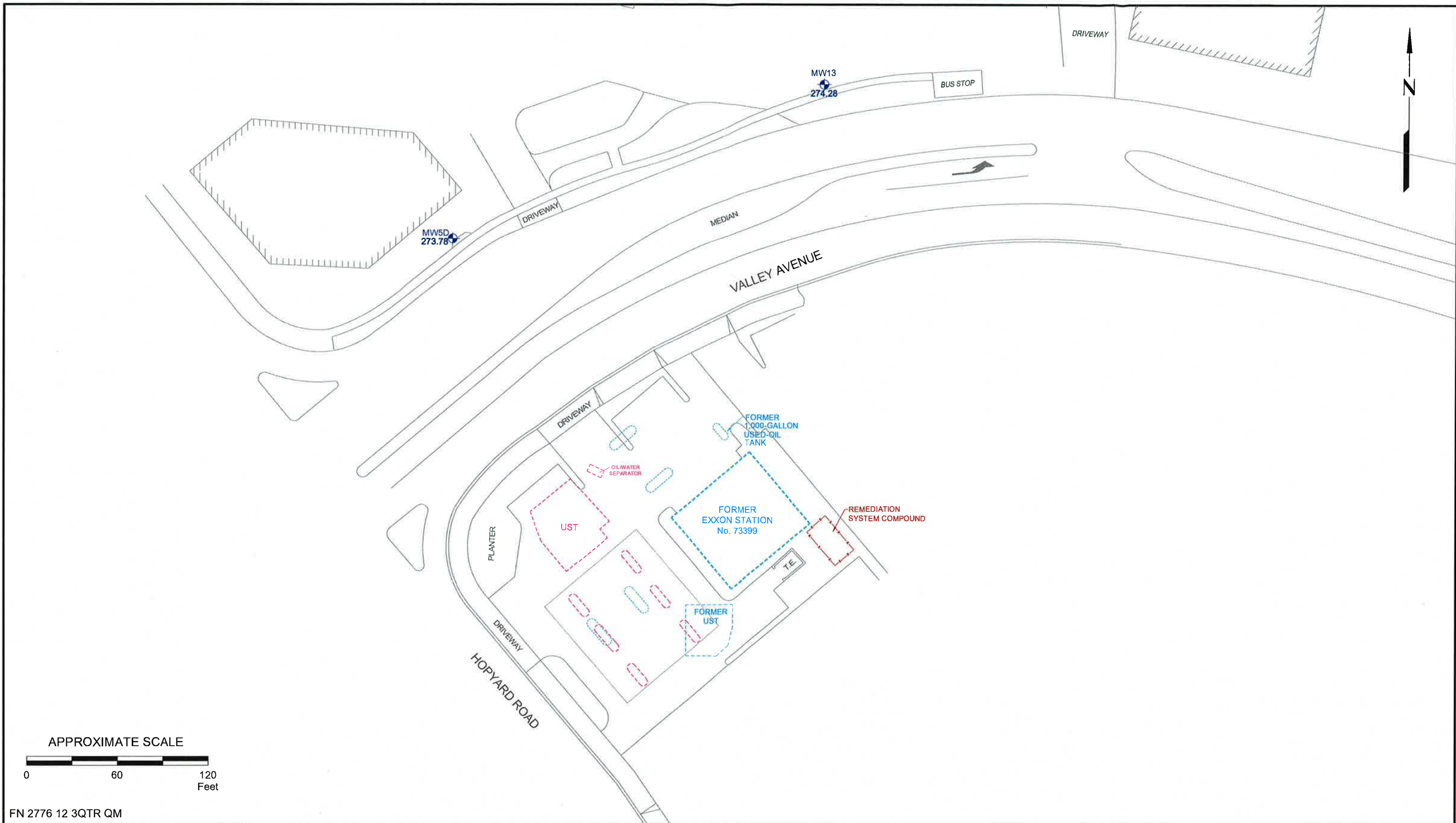
- MW10 Groundwater Monitoring Well
- 274.34 Groundwater elevation in feet; datum is mean sea level
- MW9A Recovery Groundwater Monitoring Well

- Dispenser Island
- Former Dispenser Island

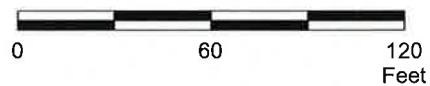
274.5 ----- Line of Equal Groundwater Elevation; datum is mean sea level

**PROJECT NO.**  
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**PLATE**  
4



APPROXIMATE SCALE



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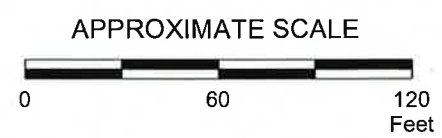
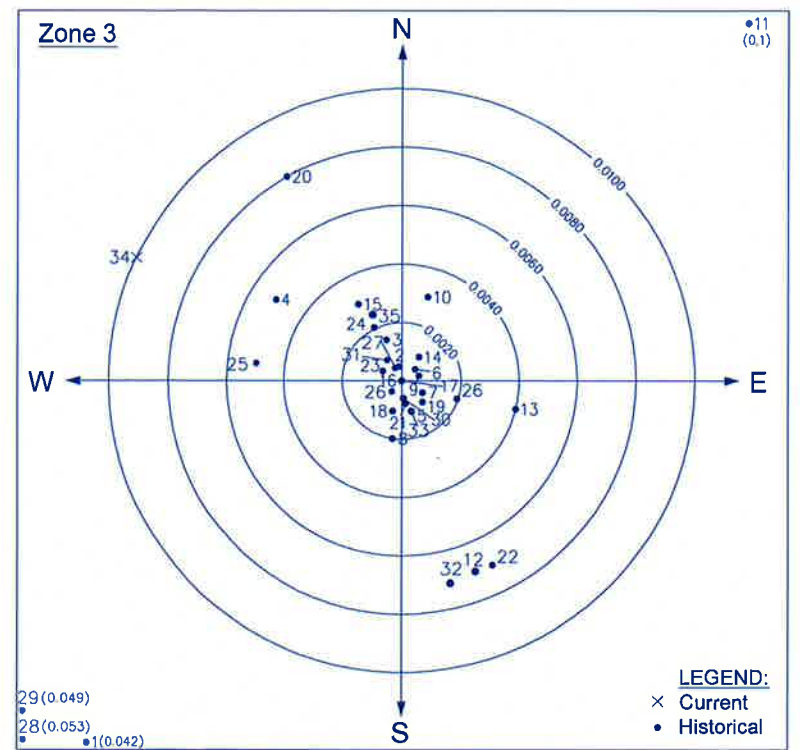
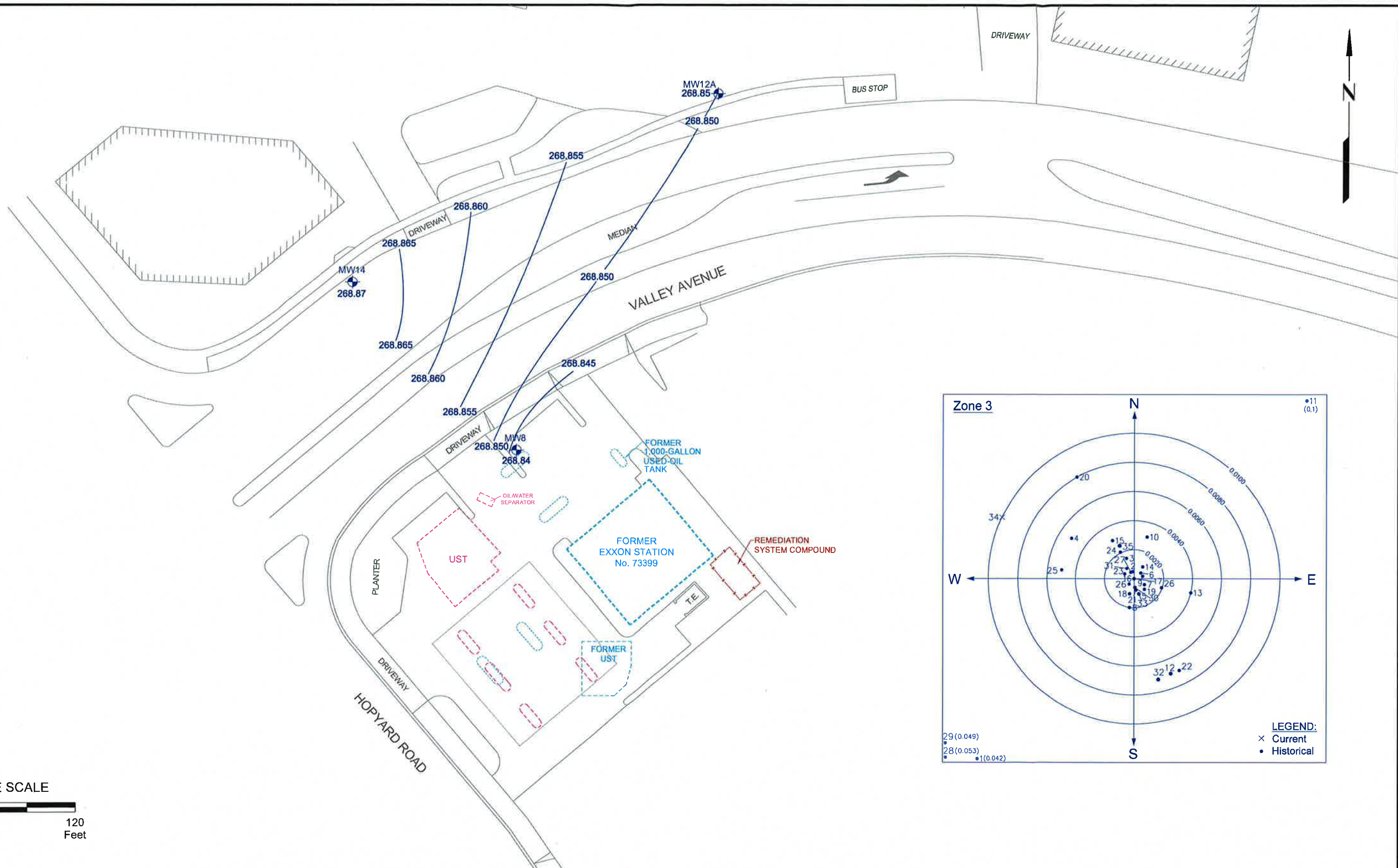
**GROUNDWATER ELEVATION MAP - ZONE 2**  
**September 26, 2012**  
 FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

- MW13 Groundwater Monitoring Well
- 274.28 Groundwater elevation in feet; datum is mean sea level

- Dispenser Island
- Former Dispenser Island

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<b>PLATE</b>	5



FN 2776 12 3QTR QM

**GROUNDWATER ELEVATION MAP - ZONE 3**  
**September 26, 2012**

FORMER EXXON SERVICE STATION 73399  
 2991 Hopyard Road  
 Pleasanton, California

**EXPLANATION**

- MW14 Groundwater Monitoring Well
- 268.87 Groundwater elevation in feet; datum is mean sea level
- t Well inaccessible for gauging and/or sampling.
- 268.865 Line of Equal Groundwater Elevation; datum is mean sea level
- 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 53)

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	---	---	---	---	---	---
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

**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	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	- 10/07/92	Not gauged or sampled.		---	---	---	---	---	---	---
MW1	11/09/92	321.44	Dry	---	---	---	---	---	---	---	---
MW1	12/10/92	- 02/16/93	Not gauged or sampled.		---	---	---	---	---	---	---
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
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

**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	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
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	---	---	---	---	---	---

**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	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	320.52	31.40	289.12	No	---	---	---	---	---	---
MW1	09/18/08	320.52	---	---	---	<50	0.73	<0.50	<0.50	<0.50	<0.50
MW1	12/22/08	320.52	28.64	291.88	No	---	---	---	---	---	---
MW1	12/23/08	320.52	---	---	---	<50	1.7	<0.50	<0.50	<0.50	<0.50
MW1	03/02/09	320.52	24.80	295.72	No	---	---	---	---	---	---
MW1	03/04/09	320.52	---	---	---	95	0.20o	<0.50	<0.50	<0.50	<1.0
MW1	06/24/09	320.52	29.80	290.72	No	---	---	---	---	---	---
MW1	06/25/09	320.52	---	---	---	<50	0.25o	<0.50	<0.50	<0.50	<1.0
MW1	11/09/09	320.52	35.44	285.08	No	---	---	---	---	---	---
MW1	11/10/09	320.52	---	---	---	<50	1.4	<0.50	<0.50	<0.50	<1.0
MW1	06/01/10	320.52	31.01	289.51	No	---	---	---	---	---	---
MW1	06/02/10	320.52	---	---	---	<50	0.24o	<0.50	0.23o,p	<0.50	0.43o
MW1	10/26/10	320.52	35.60	284.92	No	<50	0.95	<0.50	<0.50	<0.50	<1.0
MW1	06/09/11	320.52	30.30	290.22	No	---	---	---	---	---	---
MW1	06/10/11	320.52	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	0.62
MW1	11/15/11	320.52	33.01	287.51	No	<50	<0.50	<0.50	<0.50	<0.50	0.64
MW1	05/16/12	320.52	35.19	285.33	No	<50	18	0.72	4.2	<0.50	0.81
<b>MW1</b>	<b>09/26/12</b>	<b>320.52</b>	<b>48.04</b>	<b>272.48</b>	<b>No</b>	---	---	---	---	---	---
<b>MW1</b>	<b>09/27/12</b>	<b>320.52</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>
MW2	04/02/88	---	---	---	0.25	---	---	---	---	---	---
MW2	04/04/88	---	---	---	1.5	---	---	---	---	---	---
MW2	04/05/88	---	---	---	1.5	---	---	---	---	---	---
MW2	04/06/88	---	39.31	---	3.2	---	---	---	---	---	---
MW2	04/08/88	---	---	---	---	---	---	---	---	---	---
MW2	04/19/88	---	38.90	---	2.48	---	---	---	---	---	---
MW2	06/06/88	---	38.78	---	0.26	---	---	---	---	---	---
MW2	06/23/88	---	39.23	---	0.13	---	---	---	---	---	---
MW2	06/28/88	---	39.72	---	---	---	---	---	---	---	---
MW2	07/06/88	---	40.31	---	Slight sheen	62,000	---	25,700	18,500	2,900	21,400
MW2	07/12/88	Well destroyed.									
MW3	04/06/88	---	37.19	---	No	20	---	<0.5	<0.5	<0.5	<0.5
MW3	04/08/88	---	37.14	---	No	---	---	---	---	---	---
MW3	04/19/88	---	37.22	---	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)
MW3	06/06/88	---	39.02	---	No	---	---	---	---	---	---
MW3	06/23/88	---	39.58	---	No	---	---	---	---	---	---
MW3	06/28/88	---	40.04	---	No	---	---	---	---	---	---
MW3	07/06/88	---	40.60	---	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW3	07/13/88	---	41.09	---	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW3	08/12/88	---	---	---	---	---	---	---	---	---	---
MW3	08/26/88	---	42.77	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW3	08/29/88	Well destroyed.									
MW4	04/08/88	321.56	36.41	285.15	No	---	---	---	---	---	---
MW4	04/11/88	321.56	---	---	---	80	---	1.8	16.3	0.6	7.1
MW4	04/19/88	321.56	36.51	285.05	No	---	---	---	---	---	---
MW4	06/06/88	321.56	38.26	283.30	No	---	---	---	---	---	---
MW4	06/23/88	321.56	38.83	282.73	No	---	---	---	---	---	---
MW4	06/28/88	321.56	39.28	282.28	No	---	---	---	---	---	---
MW4	07/06/88	321.56	39.85	281.71	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW4	07/13/88	321.56	40.31	281.25	No	<20	---	<0.5	0.9	<0.5	<0.5
MW4	08/12/88	321.56	---	---	---	---	---	---	---	---	---
MW4	08/26/88	321.56	42.01	279.55	No	---	---	---	---	---	---
MW4	09/07/88	321.56	---	---	---	---	---	---	---	---	---
MW4	12/07/88	321.56	---	---	---	---	---	---	---	---	---
MW4	12/19/88	321.56	43.83	277.73	No	---	---	---	---	---	---
MW4	02/09/89	321.56	42.67	278.89	No	---	---	---	---	---	---
MW4	03/08/89	321.56	42.11	279.45	No	440	---	3.8	1.0	<0.5	<0.5
MW4	04/03/89	321.56	41.73	279.83	No	---	---	---	---	---	---
MW4	04/26/89	321.56	41.79	279.77	No	---	---	---	---	---	---
MW4	06/30/89	321.56	43.88	277.68	No	100	---	<0.5	<0.5	<0.5	<0.5
MW4	07/17/89	321.56	44.85	276.71	No	390	---	<0.5	<0.5	<0.5	<0.5
MW4	07/18/89	321.56	44.88	276.68	No	---	---	---	---	---	---
MW4	07/19/89	321.56	44.92	276.64	No	---	---	---	---	---	---
MW4	07/20/89	321.56	44.98	276.58	No	200	---	<0.5	<0.5	<0.5	<0.5
MW4	07/21/89	321.56	45.04	276.52	No	---	---	---	---	---	---
MW4	07/26/89	321.56	45.50	276.06	No	66	---	<0.5	<0.5	<0.5	<0.5
MW4	08/02/89	321.56	---	---	---	---	---	---	---	---	---
MW4	08/03/89	321.56	46.28	275.28	No	---	---	---	---	---	---
MW4	08/17/89	321.56	47.22	274.34	No	---	---	---	---	---	---
MW4	09/13/89	321.56	49.19	272.37	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW4	11/28/89	321.56	50.34	271.22	No	---	---	---	---	---	---
MW4	12/20/89	321.56	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW4	01/09/90	321.56	49.47	272.09	No	---	---	---	---	---	---
MW4	01/26/90	321.56	49.36	272.20	No	---	---	---	---	---	---
MW4	02/23/90	321.56	49.18a	272.38	No	---	---	---	---	---	---
MW4	02/23/90	321.56	49.15	272.41	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)
MW4	03/26/90	321.56	48.84a	272.72	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW4	03/26/90	321.56	48.83	272.73	No	---	---	---	---	---	---
MW4	04/18/90	321.56	48.90	272.66	No	---	---	---	---	---	---
MW4	05/17/90	321.56	50.03	271.53	No	---	---	---	---	---	---
MW4	06/11/90	321.56	50.98	270.58	No	---	---	---	---	---	---
MW4	07/30/90	321.56	53.57	267.99	No	---	---	---	---	---	---
MW4	08/01/90	321.56	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW4	08/27/90	321.56	53.61	267.95	No	---	---	---	---	---	---
MW4	09/28/90	321.56	53.57	267.99	No	---	---	---	---	---	---
MW4	12/27/90	321.56	53.68	267.88	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	03/20/91	321.56	53.56	268.00	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW4	06/20/91	321.56	53.75	267.81	No	---	---	---	---	---	---
MW4	09/12/91	321.56	53.70	267.86	No	---	---	---	---	---	---
MW4	12/30/91	321.56	Dry	---	---	---	---	---	---	---	---
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

**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)
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
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

**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	12/20/04	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
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	321.56	29.69	291.87	No	---	---	---	---	---	---
MW4	12/23/08	321.56	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	03/02/09	321.56	25.84	295.72	No	---	---	---	---	---	---
MW4	03/04/09	321.56	---	---	---	110	0.10o	<0.50	<0.50	<0.50	<1.0
MW4	06/24/09	321.56	30.73	290.83	No	---	---	---	---	---	---
MW4	06/25/09	321.56	---	---	---	<50	0.26o	<0.50	<0.50	<0.50	<1.0
MW4	11/09/09	321.56	36.55	285.01	No	---	---	---	---	---	---
MW4	11/10/09	321.56	---	---	---	<50	0.33o	<0.50	<0.50	<0.50	<1.0
MW4	06/01/10	321.56	32.08	289.48	No	---	---	---	---	---	---
MW4	06/02/10	321.56	---	---	---	<50	0.54	<0.50	<0.50	<0.50	0.37o
MW4	10/26/10	321.56	36.63	284.93	No	---	---	---	---	---	---
MW4	10/28/10	321.56	---	---	---	<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
MW4	11/15/11	321.56	34.07	287.49	No	<50	4.6	0.85	0.98	2.3	4.2
MW4	05/16/12	321.56	36.23	285.33	No	<50	1.9	0.95	5.5	<0.50	1.1
<b>MW4</b>	<b>09/26/12</b>	<b>321.56</b>	<b>47.06</b>	<b>274.50</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW4</b>	<b>09/28/12</b>	<b>321.56</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>
MW5D	05/25/88	321.79	38.55	283.24	No	<20	---	<0.5	3.1	<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	01/30/92	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	03/02/92	321.79	Dry	---	---	---	---	---	---	---	---
MW5D	03/24/92	321.79	74.98	246.81	No	---	---	---	---	---	---
MW5D	04/14/92	321.79	74.42	247.37	No	---	---	---	---	---	---
MW5D	05/21/92	321.79	75.67	246.12	No	---	---	---	---	---	---
MW5D	06/08/92	-01/26/93	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	---	---	---	<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
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

**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 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
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	---	---	---	---	---	---

**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	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	0.65
MW5D	09/18/07	321.79	26.73	295.06	No	---	---	---	---	---	---
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	321.79	36.58	285.21	No	---	---	---	---	---	---
MW5D	10/27/10	321.79	---	---	---	<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	0.82
MW5D	11/15/11	321.79	34.36	287.43	No	---	---	---	---	---	---
MW5D	11/16/11	321.79	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW5D	05/16/12	321.79	37.08	284.71	No	---	---	---	---	---	---
MW5D	05/17/12	321.79	---	---	---	51	<0.50	2.7	16	0.93	5.4
<b>MW5D</b>	<b>09/26/12</b>	<b>321.79</b>	<b>48.01</b>	<b>273.78</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW5D</b>	<b>09/27/12</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
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	---	---	---	---	---	---



**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	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	---	---	---	---	---	---
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	---	---	---	---	---	---

**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	12/10/92	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
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

**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	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	320.52	53.80	266.72	No	<50	<0.5	<0.5	2.2	<0.5	2.2
MW5S	12/20/04	320.52	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
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	320.52	36.93	283.59	No	---	---	---	---	---	---
MW5S	10/27/10	320.52	---	---	---	<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

**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	11/15/11	320.52	34.11	286.41	No	---	---	---	---	---	---
MW5S	11/16/11	320.52	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	0.55
MW5S	05/16/12	320.52	36.31	284.21	No	---	---	---	---	---	---
MW5S	05/17/12	320.52	---	---	---	<50	<0.50	<0.50	1.6	<0.50	<0.50
<b>MW5S</b>	<b>09/26/12</b>	<b>320.52</b>	<b>47.06</b>	<b>273.46</b>	<b>No</b>	---	---	---	---	---	---
<b>MW5S</b>	<b>09/27/12</b>	<b>320.52</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>
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	---	---	---	---	---	---	---
MW7	12/07/88	321.27	---	---	---	---	---	---	---	---	---
MW7	01/17/89	321.27	43.20	278.07	---	---	---	---	---	---	---
MW7	02/09/89	321.27	---	---	---	6,700	---	600	688	10	448
MW7	06/30/89	321.27	---	---	---	1,100	---	180	50	13	40
MW7	08/02/89	321.27	---	---	---	31	---	1.6	<0.5	<0.5	0.6
MW7	09/13/89	321.27	---	---	---	87	---	<0.5	2.6	<0.5	12
MW7	10/12/89	321.27	49.93	271.34	No	---	---	---	---	---	---
MW7	11/28/89	321.27	57.61a	263.66	No	---	---	---	---	---	---
MW7	12/20/89	321.27	---	---	---	<20	---	<0.5	<0.5	<0.5	<0.5
MW7	01/09/90	321.27	57.57a	263.70	No	---	---	---	---	---	---
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	---	---	---	---	---	---

**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	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	---	---	---	---	---	---
MW7	01/26/93	321.27	56.15	265.12	No	---	---	---	---	---	---
MW7	02/16/93	321.27	56.23	265.04	No	600	---	28	30	17	200
MW7	03/11/93	321.27	55.82	265.45	No	---	---	---	---	---	---
MW7	04/12/93	321.27	55.45	265.82	No	---	---	---	---	---	---
MW7	06/01/93	321.27	54.90	266.37	No	---	---	---	---	---	---
MW7	07/15/93	321.27	54.50	266.77	No	---	---	---	---	---	---
MW7	08/15/93	321.27	54.25	267.02	No	---	---	---	---	---	---
MW7	09/29/93	321.27	54.55	266.72	No	---	---	---	---	---	---
MW7	09/30/93	321.27	---	---	---	---	---	---	---	---	---
MW7	10/28/93	321.27	54.94	266.33	No	---	---	---	---	---	---
MW7	11/23/93	321.27	54.73	266.54	No	---	---	---	---	---	---
MW7	11/24/93	321.27	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	03/10-11-94	321.27	52.83	268.44	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	05/04-05/94	321.27	52.77	268.50	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	09/01/94 e	321.27	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	11/16/94	321.27	52.74	268.53	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	02/15/95	321.27	50.05	271.22	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	05/09/95	321.27	44.61	276.66	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW7	08/21/95	321.27	41.40	279.87	No	<50	4.1	<0.5	<0.5	<0.5	<0.5
MW7	11/30/95	321.27	39.64	281.63	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW7	03/28/96	321.27	36.42	284.85	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW7	05/31/96	321.27	34.87	286.40	No	<50	<5.0	<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)
MW7	08/28/96	321.27	39.11	282.16	No	---	---	---	---	---	---
MW7	11/18/96	321.27	39.10	282.17	No	---	---	---	---	---	---
MW7	02/28/97	321.27	34.03	287.24	No	---	---	---	---	---	---
MW7	05/23/97	321.27	34.36	286.91	No	---	---	---	---	---	---
MW7	09/23/97	321.27	38.66	282.61	No	<50	4.4	<0.5	<0.5	<0.5	<0.5
MW7	12/30/97	321.27	37.45	283.82	No	---	---	---	---	---	---
MW7	03/24/98	321.27	---	---	---	---	---	---	---	---	---
MW7	06/15/98	321.27	30.05	291.22	No	---	---	---	---	---	---
MW7	09/11/98	321.27	35.63	285.64	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW7	12/09/98	321.27	21.54	299.73	---	---	---	---	---	---	---
MW7	03/31/99	321.27	28.84	292.43	No	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW7	06/30/99	321.27	34.68	286.59	No	<50	<2.5	5.96	<0.5	<0.5	<0.5
MW7	08/03/99	321.27	38.22	283.05	No	---	---	---	---	---	---
MW7	09/24/99	321.27	42.59	278.68	No	<50	11.7f	<0.5	<0.5	<0.5	<0.5
MW7	12/22/99	321.27	41.69	279.58	No	<1.0	<5.0f	<1.0	<1.0	<1.0	<1.0
MW7	04/04/00	321.27	35.45	285.82	No	<50	<1	<1	<1	<1	<1
MW7	06/15/00	Station operations transferred to Valero Energy Corporation.									
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	1.0
MW7	12/17/01	321.27	53.17	268.10	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
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

**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	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
MW7	09/17/08	321.27	32.10	289.17	No	---	---	---	---	---	---
MW7	09/18/08	321.27	---	---	---	<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	321.27	25.70	295.57	No	---	---	---	---	---	---
MW7	03/03/09	321.27	---	---	---	<50	5.1	0.18o,p	<0.50	<0.50	<1.0
MW7	06/24/09	321.27	38.35	282.92	No	---	---	---	---	---	---
MW7	06/25/09	321.27	---	---	---	<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	321.27	31.70	289.57	No	---	---	---	---	---	---
MW7	06/02/10	321.27	---	---	---	50q	50	<0.50	<0.50	<0.50	<1.0
MW7	10/26/10	321.27	36.28	284.99	No	---	---	---	---	---	---
MW7	10/27/10	321.27	---	---	---	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
MW7	11/15/11	321.27	33.94	287.33	No	---	---	---	---	---	---
MW7	11/16/11	321.27	---	---	---	180q	180	<1.0	<1.0	<1.0	<1.0
MW7	05/16/12	321.27	36.26	285.01	No	---	---	---	---	---	---
MW7	05/18/12	321.27	---	---	---	160q	230	<2.5	<2.5	<2.5	<2.5
<b>MW7</b>	<b>09/26/12</b>	<b>321.27</b>	<b>46.96</b>	<b>274.31</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW7</b>	<b>09/28/12</b>	<b>321.27</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>
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	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

**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	04/18/90	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
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	---	---	---	---	---	---





**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)
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	---	---	---	---	---	---
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

**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)
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	321.86	30.15	291.71	No	---	---	---	---	---	---
MW8	12/23/08	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	03/02/09	321.86	26.40	295.46	No	---	---	---	---	---	---
MW8	03/04/09	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW8	06/24/09	321.86	38.70	283.16	No	---	---	---	---	---	---
MW8	06/25/09	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW8	11/09/09	321.86	37.48	284.38	No	---	---	---	---	---	---
MW8	11/10/09	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW8	06/01/10	321.86	33.22	288.64	No	---	---	---	---	---	---
MW8	06/02/10	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW8	10/26/10	321.86	38.35	283.51	No	---	---	---	---	---	---
MW8	10/27/10	321.86	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW8	06/09/11	321.86	32.10	289.76	No	---	---	---	---	---	---
MW8	06/10/11	321.86	---	---	---	<50	1.5	<0.50	<0.50	<0.50	<0.50
MW8	11/15/11 t	321.86	---	---	---	---	---	---	---	---	---
MW8	05/16/12 t	321.86	---	---	---	---	---	---	---	---	---
<b>MW8</b>	<b>09/26/12</b>	<b>321.86</b>	<b>53.02</b>	<b>268.84</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW8</b>	<b>09/28/12</b>	<b>321.86</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>&lt;50</b>	<b>6.3</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW9	10/03/89	321.44	---	---	---	89,000	---	1,000	9,200	3,000	13,000
MW9	10/12/89	321.44	50.24	271.20	No	---	---	---	---	---	---
MW9	11/28/89	321.44	50.59	270.85	0.10	---	---	---	---	---	---
MW9	12/01/89	321.44	50.32	271.12	0.02	---	---	---	---	---	---
MW9	12/07/89	321.44	50.13	271.31	0.16	---	---	---	---	---	---
MW9	12/13/89	321.44	49.91	271.53	Slight Sheen	---	---	---	---	---	---
MW9	12/20/89	321.44	49.78	271.66	Slight Sheen	190,000	---	6,300	31,000	9,500	55,000
MW9	01/02/90	321.44	---	---	---	---	---	---	---	---	---
MW9	01/09/90	321.44	49.39	272.05	Slight Sheen	---	---	---	---	---	---
MW9	01/25/90	321.44	---	---	---	77,000	---	2,400	9,400	2,700	15,000
MW9	01/26/90	321.44	49.30	272.14	No	---	---	---	---	---	---
MW9	02/23/90	321.44	49.06a	272.38	No	97,000	---	1,200	7,100	2,300	14,000
MW9	02/23/90	321.44	49.05	272.39	No	---	---	---	---	---	---
MW9	03/26/90	321.44	48.75a	272.69	No	89,000	---	1,800	7,700	2,000	11,000
MW9	03/26/90	321.44	48.73	272.71	Slight sheen	---	---	---	---	---	---
MW9	04/18/90	321.44	48.81	272.63	No	110,000	---	2,000	7,500	2,500	16,000
MW9	05/17/90	321.44	49.96	271.48	No	81,000	---	1,500	5,700	2,300	14,000
MW9	06/11/90	321.44	51.58	269.86	No	---	---	---	---	---	---
MW9	06/20/90	321.44	---	---	---	430	---	<0.5	<0.5	<0.5	<0.5
MW9	07/30/90 - 03/20/91	---	Dry	---	---	---	---	---	---	---	---
MW9	06/20/91	321.44	49.63	271.81	---	---	---	---	---	---	---



**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	12/22/03	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	---	---	---	---	---	---
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	321.27	32.40	288.87	No	---	---	---	---	---	---
MW9A	09/18/08	321.27	---	---	---	<50	64	<0.50	<0.50	<0.50	<0.50
MW9A	12/22/08	321.27	31.21	290.06	No	---	---	---	---	---	---
MW9A	12/23/08	321.27	---	---	---	79	80	3.7	<0.50	<0.50	1.6
MW9A	03/02/09	321.27	27.51	293.76	No	---	---	---	---	---	---
MW9A	03/04/09	321.27	---	---	---	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	321.27	32.69	288.58	No	---	---	---	---	---	---
MW9A	11/10/09	321.27	---	---	---	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	321.27	32.43	288.84	No	---	---	---	---	---	---
MW9A	10/28/10	321.27	---	---	---	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
MW9A	11/15/11	321.27	33.00	288.27	No	---	---	---	---	---	---
MW9A	11/16/11	321.27	---	---	---	180q	260	6.7	<4.0	<4.0	<4.0
MW9A	05/16/12	321.27	36.14	285.13	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)
MW9A	05/17/12	321.27	---	---	---	160q	200	<4.0	<4.0	<4.0	<4.0
<b>MW9A</b>	<b>09/26/12</b>	<b>321.27</b>	<b>47.17</b>	<b>274.10</b>	<b>No</b>	<b>&lt;50</b>	<b>1.6</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW10	10/12/89	322.99	51.93	271.06	No	20	---	<0.5	<0.5	<0.5	<0.5
MW10	11/28/89	322.99	51.88	271.11	No	---	---	---	---	---	---
MW10	12/20/89	322.99	51.47	271.52	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW10	01/09/90	322.99	50.98	272.01	No	---	---	---	---	---	---
MW10	01/26/90	322.99	50.87	272.12	No	---	---	---	---	---	---
MW10	02/23/90	322.99	50.67a	272.32	No	---	---	---	---	---	---
MW10	02/23/90	322.99	50.65	272.34	No	---	---	---	---	---	---
MW10	03/26/90	322.99	50.36a	272.63	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW10	03/26/90	322.99	50.35	272.64	No	---	---	---	---	---	---
MW10	04/18/90	322.99	50.45	272.54	No	---	---	---	---	---	---
MW10	06/11/90	322.99	51.16	271.83	No	---	---	---	---	---	---
MW10	07/30/90	322.99	55.72	267.27	No	---	---	---	---	---	---
MW10	08/27/90	322.99	57.75	265.24	No	<20	---	<0.5	<0.5	<0.5	<0.5
MW10	09/28/90	322.99	---	---	---	---	---	---	---	---	---
MW10	12/27/90	322.99	58.08	264.91	No	---	---	---	---	---	---
MW10	03/20/91	322.99	57.80	265.19	No	---	---	---	---	---	---
MW10	06/20/91	322.99	58.00	264.99	No	---	---	---	---	---	---
MW10	09/12/91	322.99	Dry	---	---	---	---	---	---	---	---
MW10	12/30/91	322.99	---	---	---	---	---	---	---	---	---
MW10	01/30/92	322.99	Dry	---	---	---	---	---	---	---	---
MW10	03/02/92	322.99	Dry	---	---	---	---	---	---	---	---
MW10	03/24/92	322.99	58.53	264.46	No	---	---	---	---	---	---
MW10	04/14/92 - 02/16/93	322.99	Dry	---	---	---	---	---	---	---	---
MW10	03/11/93	322.99	57.81	265.18	No	---	---	---	---	---	---
MW10	04/12/93	322.99	57.84	265.15	No	350	---	21	11	21	75
MW10	06/01/93	322.99	57.88	265.11	---	---	---	---	---	---	---
MW10	07/15/93 - 03/11/94	322.99	Dry	---	---	---	---	---	---	---	---
MW10	05/04-05/94	322.99	57.21	265.78	Dry	---	---	---	---	---	---
MW10	09/01/94 e	322.99	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5
MW10	11/16/94	322.99	54.82	268.17	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW10	02/15/95	322.99	51.90	271.09	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW10	05/09/95	322.99	46.32	276.67	No	<50	---	<0.5	<0.5	<0.5	<0.5
MW10	08/21/95	322.99	43.06	279.93	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW10	11/30/95	322.99	41.34	281.65	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW10	03/28/96	322.99	38.15	284.84	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW10	05/31/96	322.99	36.61	286.38	No	<50	<5.0	<0.5	<0.5	<0.5	<0.5
MW10	08/28/96	322.99	40.86	282.13	No	---	---	---	---	---	---
MW10	11/18/96	322.99	40.90	282.09	No	---	---	---	---	---	---
MW10	02/28/97	322.99	35.75	287.24	No	---	---	---	---	---	---
MW10	05/23/97	322.99	36.07	286.92	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)
MW10	09/23/97	322.99	40.41	282.58	No	---	---	---	---	---	---
MW10	12/30/97	322.99	38.20	284.79	No	---	---	---	---	---	---
MW10	03/24/98	322.99	34.12	288.87	No	---	---	---	---	---	---
MW10	06/15/98	322.99	31.79	291.20	No	---	---	---	---	---	---
MW10	09/11/98	322.99	35.40	287.59	No	---	---	---	---	---	---
MW10	12/09/98	322.99	34.32	288.67	No	---	---	---	---	---	---
MW10	03/31/99	322.99	30.55	292.44	No	<50	<2.0	<0.5	<0.5	<0.5	<0.5
MW10	06/30/99	322.99	36.36	286.63	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW10	08/03/99	322.99	39.95	283.04	No	---	---	---	---	---	---
MW10	09/24/99	322.99	44.40	278.59	No	<50	19.30f	<0.5	<0.5	<0.5	0.87
MW10	12/22/99	322.99	43.39	279.60	No	140	<5.0f	9.5	5.3	3.9	25.1
MW10	04/04/00	322.99	37.18	285.81	No	<50	<1	<1	<1	<1	<1
MW10	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW10	06/28/00	322.99	42.19	280.80	No	<50	<1f	<0.5	<0.5	<0.5	<0.5
MW10	09/26/00	322.99	45.80	277.19	No	<50	3.39f	<0.5	<0.5	<0.5	<0.5
MW10	12/28/00	322.99	45.41	277.58	No	<50	<2f	<0.5	<0.5	<0.5	<0.5
MW10	03/28/01	322.99	44.89	278.10	No	<50	<2.5/<1.0f	<0.5	<0.5	<0.5	<0.5
MW10	06/25/01	322.99	48.13	274.86	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW10	09/26/01	322.99	56.45	266.54	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW10	12/17/01	322.99	56.61	266.38	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW10	03/18/02	322.99	54.99	268.00	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/17/02	322.99	55.36	267.63	No	---	---	---	---	---	---
MW10	06/18/02	322.99	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	09/16/02	322.99	Dry	---	---	---	---	---	---	---	---
MW10	12/17/02	322.99	Dry	---	---	---	---	---	---	---	---
MW10	03/28/03	322.99	---	---	---	---	---	---	---	---	---
MW10	06/16/03	322.99	56.89	266.10	No	---	---	---	---	---	---
MW10	06/17/03	322.99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	09/22/03	322.99	Dry	---	---	---	---	---	---	---	---
MW10	12/22/03	322.99	58.10	264.89	No	---	---	---	---	---	---
MW10	03/23/04	322.99	57.60	265.39	No	---	---	---	---	---	---
MW10	06/21/04	322.99	57.72	265.27	No	---	---	---	---	---	---
MW10	09/20/04	322.99	58.26	264.73	No	---	---	---	---	---	---
MW10	12/20/04	322.99	57.94	265.05	No	---	---	---	---	---	---
MW10	03/28/05	322.99	53.31	269.68	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	06/20/05	322.99	47.93	275.06	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	09/25/05	322.99	46.50	276.49	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW10	12/21/05	322.99	41.24	281.75	No	<50	<0.5	<0.5	<0.5	<0.5	0.76
MW10	03/21/06	322.99	31.29	291.70	No	---	---	---	---	---	---
MW10	03/22/06	322.99	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	06/22/06	322.99	26.68	296.31	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW10	09/19/06	322.99	30.74	292.25	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW10	12/19/06	322.99	26.28	296.71	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)
MW10	03/20/07	322.99	20.16	302.83	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW10	06/19/07	322.99	28.52	294.47	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW10	09/18/07	322.99	28.15	294.84	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW10	12/26/07	322.99	21.87	301.12	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW10	03/26/08	322.99	22.77	300.22	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW10	06/25/08	322.99	28.87	294.12	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	09/17/08	322.99	33.78	289.21	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW10	12/22/08	322.99	31.10	291.89	No	<50	49	<0.50	<0.50	<0.50	<0.50
MW10	03/02/09	322.99	27.54	295.45	No	57	76	0.19 <sub>o,p</sub>	0.20 <sub>o,p</sub>	<0.50	<1.0
MW10	06/24/09	322.99	32.06	290.93	No	<50	24	<0.50	<0.50	<0.50	<1.0
MW10	11/09/09	322.99	37.94	285.05	No	140q	180	<0.50	<0.50	<0.50	<1.0
MW10	06/01/10	322.99	33.50	289.49	No	---	---	---	---	---	---
MW10	06/02/10	322.99	---	---	---	<50	32	<0.50	<0.50	<0.50	<1.0
MW10	10/26/10	322.99	38.07	284.92	No	---	---	---	---	---	---
MW10	10/28/10	322.99	---	---	---	<50	0.95	<0.50	<0.50	<0.50	<1.0
MW10	06/09/11	322.99	31.50	291.49	No	<50	1.8	<0.50	<0.50	<0.50	<0.50
MW10	11/15/11	322.99	35.51	287.48	No	<50	<0.50	1.2	1.4	2.9	3.5
MW10	05/16/12	322.99	37.67	285.32	No	<50	0.68	1.2	7.0	<0.50	1.9
<b>MW10</b>	<b>09/26/12</b>	<b>322.99</b>	<b>48.65</b>	<b>274.34</b>	<b>No</b>	---	---	---	---	---	---
<b>MW10</b>	<b>09/27/12</b>	<b>322.99</b>	---	---	---	<b>&lt;50</b>	<b>3.8</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>
MW11	11/10/89	321.77	50.64	271.13	No	---	---	---	---	---	---
MW11	11/16/89	321.77	---	---	---	150	---	4.1	9.4	0.74	20
MW11	11/28/89	321.77	50.51	271.26	No	---	---	---	---	---	---
MW11	12/20/89	321.77	51.47	270.30	No	150	---	7.2	7.5	2.9	13
MW11	01/09/90	321.77	49.68	272.09	No	---	---	---	---	---	---
MW11	01/26/90	321.77	49.55	272.22	No	---	---	---	---	---	---
MW11	02/23/90	321.77	49.37a	272.40	No	---	---	---	---	---	---
MW11	02/23/90	321.77	49.35	272.42	No	---	---	---	---	---	---
MW11	03/26/90	321.77	49.03a	272.74	No	32	---	<0.5	<0.5	<0.5	2.7
MW11	04/18/90	321.77	49.12	272.65	No	---	---	---	---	---	---
MW11	05/17/90	321.77	50.30	271.47	No	---	---	---	---	---	---
MW11	06/11/90	321.77	51.16	270.61	No	---	---	---	---	---	---
MW11	07/30/90	321.77	53.50	268.27	No	26	---	<0.5	<0.5	<0.5	3.8
MW11	08/27/90	321.77	53.65	268.12	No	---	---	---	---	---	---
MW11	09/28/90	321.77	53.62	268.15	No	---	---	---	---	---	---
MW11	12/27/90	321.77	53.63	268.14	No	---	---	---	---	---	---
MW11	03/20/91	321.77	53.26	268.51	No	---	---	---	---	---	---
MW11	06/20/91	321.77	53.60	268.17	No	---	---	---	---	---	---
MW11	09/12/91	321.77	53.60	268.17	No	---	---	---	---	---	---
MW11	12/30/91	321.77	53.95	267.82	No	---	---	---	---	---	---
MW11	01/30/92	321.77	53.65	268.12	No	---	---	---	---	---	---
MW11	03/02/92	321.77	53.68	268.09	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)
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	---	---	---	---	---	---
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

**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	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	321.73	53.64	---	No	<50	<0.5	<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	321.73	53.45	268.28	No	<50	<0.5	<0.5	3.6	<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
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	321.73	32.57	289.16	No	---	---	---	---	---	---
MW11	09/18/08	321.73	---	---	---	<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	321.73	26.18	295.55	No	---	---	---	---	---	---
MW11	03/03/09	321.73	---	---	---	67	<0.50	<0.50	0.22o	<0.50	0.45o,p

**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	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	321.73	32.24	289.49	No	---	---	---	---	---	---
MW11	06/02/10	321.73	---	---	---	<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
MW11	11/15/11	321.73	34.26	287.47	No	---	---	---	---	---	---
MW11	11/16/11	321.73	---	---	---	<50	1.8	0.52	0.62	1.4	2.6
MW11	05/16/12	321.73	36.61	285.12	No	---	---	---	---	---	---
MW11	05/18/12	321.73	---	---	---	<50	5.6	1.3	11	0.73	4.1
<b>MW11</b>	<b>09/26/12 t</b>	<b>321.73</b>	<b>47.31</b>	<b>274.42</b>	<b>No</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
MW12A	06/20/05	322.62	45.99	276.63	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	09/25/05	322.62	47.00	275.62	No	---	---	---	---	---	---
MW12A	09/26/05	322.62	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW12A	12/21/05	322.62	39.84	282.78	No	<50	<0.5	<0.5	0.69	<0.5	1.34
MW12A	03/21/06	322.62	30.73	291.89	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	06/22/06	322.62	27.28	295.34	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW12A	09/19/06	322.62	31.14	291.48	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW12A	12/19/06	322.62	26.18	296.44	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)
MW12A	12/20/06	322.62	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW12A	03/20/07	322.62	20.11	302.51	No	---	---	---	---	---	---
MW12A	03/21/07	322.62	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW12A	06/19/07	322.62	37.97	284.65	No	---	---	---	---	---	---
MW12A	06/20/07	322.62	---	---	---	63.4	<0.500	<0.50	<0.50	<0.50	3.90
MW12A	09/18/07	322.62	28.09	294.53	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW12A	12/26/07	322.62	21.50	301.12	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW12A	03/26/08	322.62	23.74	298.88	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW12A	06/25/08	322.62	29.91	292.71	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	09/17/08	322.62	32.40	290.22	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	12/22/08	322.62	30.81	291.81	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW12A	03/02/09	322.62	27.23	295.39	No	79	<0.50	0.20o	0.24o	0.20o,p	0.48o,p
MW12A	06/24/09	322.62	38.58	284.04	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW12A	11/09/09	322.62	38.10	284.52	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW12A	06/01/10	322.62	33.93	288.69	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW12A	10/26/10	322.62	38.82	283.80	No	---	---	---	---	---	---
MW12A	10/27/10	322.62	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW12A	06/09/11	322.62	Unable to locate.	---	---	---	---	---	---	---	---
MW12A	11/15/11	322.62	33.27	289.35	No	---	---	---	---	---	---
MW12A	11/16/11	322.62	---	---	---	<50	0.65	1.4	1.8	3.3	6.4
MW12A	05/16/12	322.62	46.08	276.54	No	---	---	---	---	---	---
MW12A	05/17/12	322.62	---	---	---	75	<0.50	5.7	27	1.5	7.9
<b>MW12A</b>	<b>09/26/12</b>	<b>322.62</b>	<b>53.77</b>	<b>268.85</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
<b>MW12A</b>	<b>09/27/12</b>	<b>322.62</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>3.6v</b>	<b>1.8</b>	<b>2.3</b>	<b>3.5</b>
MW13	06/15/00	Station operations transferred to Valero Energy Corporation.									
MW13	09/26/00	---	45.62	---	No	<50	1.62f	0.504	0.594	<0.5	0.982
MW13	12/28/00	---	45.15	---	No	<50	2.17f	1.19	1.05	<0.5	1.25
MW13	03/28/01	322.62	44.57	278.05	No	<50	<2.5/<1.0f	0.769	1.45	<0.5	0.594
MW13	06/25/01	322.62	48.24	274.38	No	<50	<2.5	<0.5	1.1	<0.5	1.1
MW13	09/26/01	322.62	56.05	266.57	No	<50	<2.5	1.3	1.7	0.54	3.0
MW13	12/17/01	322.71	56.40	266.31	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW13	03/18/02	322.71	55.20	267.51	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	06/17/02	322.71	55.38	267.33	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW13	09/16/02	322.71	59.80	262.91	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW13	12/17/02	322.71	62.05	260.66	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
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

**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)
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	322.71	37.62	285.09	No	---	---	---	---	---	---
MW13	10/27/10	322.71	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW13	06/09/11	322.71	Unable to locate.	---	---	---	---	---	---	---	---
MW13	11/15/11 t	322.71	35.16	287.55	No	---	---	---	---	---	---
MW13	05/16/12 t	322.71	37.58	285.13	No	---	---	---	---	---	---
<b>MW13</b>	<b>09/26/12 t</b>	<b>322.71</b>	<b>48.43</b>	<b>274.28</b>	<b>No</b>	<b>---</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
MW14	09/26/01	321.16	59.43	261.73	No	<50	<2.5	3.4	4.1	1.1	5.3
MW14	12/17/01	321.24	60.78	260.46	No	<50	<2.5	<0.5	<0.5	<0.5	<0.5
MW14	03/18/02	321.24	57.50	263.74	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	06/17/02	321.24	57.51	263.73	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	09/16/02	321.24	70.06	251.18	No	<50	<0.5f	<0.5	<0.5	<0.5	<0.5
MW14	12/17/02	321.24	67.05	254.19	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	03/28/03	321.24	61.70	259.54	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	06/16/03	321.24	62.34	258.90	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)
MW14	06/17/03	321.24	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	09/22/03	321.24	74.50	246.74	No	<50	<0.5	<0.5	0.9	<0.5	0.8
MW14	12/22/03	321.24	66.61	254.63	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	03/23/04	321.24	66.91	254.33	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	06/21/04	321.24	61.18	260.06	No	<50	<0.5f	<0.5	0.6	<0.5	0.8
MW14	09/20/04	321.24	68.51	252.73	No	---	---	---	---	---	---
MW14	09/21/04	321.24	---	---	---	<50	<0.5	<0.5	5.0	0.7	5.9
MW14	12/20/04	321.24	57.61	263.63	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	03/28/05	321.24	49.81	271.43	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	06/20/05	321.24	44.62	276.62	No	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	09/25/05	321.24	45.77	275.47	No	---	---	---	---	---	---
MW14	09/26/05	321.24	---	---	---	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW14	12/21/05	321.24	38.37	282.87	No	<50	<0.5	<0.5	<0.5	<0.5	0.75
MW14	03/21/06	321.24	29.36	291.88	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	06/22/06	321.24	25.95	295.29	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	09/19/06	321.24	---	---	---	---	---	---	---	---	---
MW14	12/19/06	321.24	24.84	296.40	No	---	---	---	---	---	---
MW14	12/20/06	321.24	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	03/20/07	321.24	18.82	302.42	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	06/19/07	321.24	36.56	284.68	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	09/18/07	321.24	27.40	293.84	No	---	---	---	---	---	---
MW14	09/19/07	321.24	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	12/26/07	321.24	20.18	301.06	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	03/26/08	321.24	22.40	298.84	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
MW14	06/25/08	321.24	37.57	283.67	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	09/17/08	321.24	39.39	281.85	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	12/22/08	321.24	29.47	291.77	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	03/02/09	321.24	25.87	295.37	No	82	<0.50	0.17o,p	0.27o,p	<0.50	1.4
MW14	06/24/09	321.24	37.40	283.84	No	<50	<0.50	<0.50	<0.50	<0.50	<1.0
MW14	11/09/09	321.24	36.74	284.50	No	<50	<0.50	<0.50	0.33o,p	<0.50	<1.0
MW14	06/01/10	321.24	32.58	288.66	No	<50	<0.50	<0.50	<0.50	<0.50	0.27o
MW14	10/26/10	321.24	37.45	283.79	No	---	---	---	---	---	---
MW14	10/27/10	321.24	---	---	---	<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
MW14	11/15/11	321.24	34.07	287.17	No	---	---	---	---	---	---
MW14	11/17/11	321.24	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	0.54
MW14	05/16/12	321.24	43.58	277.66	No	---	---	---	---	---	---
MW14	05/17/12	321.24	---	---	---	<50	<0.50	2.0	14	0.93	5.1
<b>MW14</b>	<b>09/26/12</b>	<b>321.24</b>	<b>52.37</b>	<b>268.87</b>	<b>No</b>	---	---	---	---	---	---
<b>MW14</b>	<b>09/27/12</b>	<b>321.24</b>	---	---	---	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>2.1v</b>	<b>0.97</b>	<b>1.0</b>	<b>2.3</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

**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	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	---	---	---	---	---	---
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







**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	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
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	322.75	11.10	311.65	No	---	---	---	---	---	---
PMW1	06/02/10	322.75	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	0.41o
PMW1	10/26/10	322.75	11.49	311.26	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)
PMW1	10/28/10	322.75	---	---	---	<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
PMW1	11/15/11	322.75	13.51	309.24	No	140	<0.50	2.6	5.3	17	32
PMW1	05/16/12	322.75	12.20	310.55	No	110	<0.50	4.9	48	5.3	28
<b>PMW1</b>	<b>09/26/12</b>	<b>322.75</b>	<b>13.98</b>	<b>308.77</b>	<b>No</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>3.0v</b>	<b>1.8</b>	<b>2.3</b>	<b>5.9</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	---	---	---	---	---	---
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

**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	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	322.37	7.85	314.52	No	---	---	---	---	---	---
PMW2	03/03/09	322.37	---	---	---	<50	0.54	<0.50	<0.50	<0.50	<1.0
PMW2	06/24/09	322.37	11.46	310.91	No	<50	0.55	<0.50	<0.50	<0.50	<1.0
PMW2	11/09/09	322.37	11.29	311.08	No	<50	5.0	0.310	<0.50	<0.50	0.420,p
PMW2	06/01/10	322.37	10.35	312.02	No	---	---	---	---	---	---
PMW2	06/02/10	322.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW2	10/26/10	322.37	10.95	311.42	No	---	---	---	---	---	---
PMW2	10/28/10	322.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW2	06/09/11	322.37	10.90	311.47	No	---	---	---	---	---	---
PMW2	06/10/11	322.37	---	---	---	<50	2.0	<0.50	<0.50	<0.50	0.63
PMW2	11/15/11	322.37	11.11	311.26	No	60	8.3	0.56	1.3	5.0	9.7
PMW2	05/16/12	322.37	11.25	311.12	No	150	1.1	4.7	54	4.4	23
<b>PMW2</b>	<b>09/26/12</b> n	<b>322.37</b>	<b>15.07u</b>	<b>u</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</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
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

**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	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
PMW3	09/17/08	321.27	12.45	308.82	No	---	---	---	---	---	---
PMW3	09/18/08	321.27	---	---	---	<50	1.2	<0.50	<0.50	<0.50	<0.50
PMW3	12/22/08	321.27	8.31	312.96	No	---	---	---	---	---	---
PMW3	12/23/08	321.27	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	03/02/09	321.27	5.03	316.24	No	---	---	---	---	---	---
PMW3	03/04/09	321.27	---	---	---	50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW3	06/24/09	321.27	10.51	310.76	No	---	---	---	---	---	---
PMW3	06/25/09	321.27	---	---	---	<50	0.081o	<0.50	<0.50	<0.50	<1.0
PMW3	11/09/09	321.27	10.02	311.25	No	---	---	---	---	---	---
PMW3	11/10/09	321.27	---	---	---	<50	0.21o	<0.50	<0.50	<0.50	<1.0
PMW3	06/01/10	321.27	9.34	311.93	No	---	---	---	---	---	---
PMW3	06/02/10	321.27	---	---	---	<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	---	---	---	---	---	---

**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)
PMW3	06/10/11	321.27	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	11/15/11	321.27	10.99	310.28	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW3	05/16/12	321.27	10.18	311.09	No	160	<0.50	5.9	56	5.7	29
<b>PMW3</b>	<b>09/26/12</b>	<b>321.27</b>	<b>10.98</b>	<b>310.29</b>	<b>No</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>1.5v</b>	<b>1.3</b>	<b>0.53</b>	<b>2.1</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
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

**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)
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	321.37	9.00	312.37	No	---	---	---	---	---	---
PMW4	03/04/09	321.37	---	---	---	53	<0.50	0.18o,p	0.20o	<0.50	<1.0
PMW4	06/24/09	321.37	13.09	308.28	No	---	---	---	---	---	---
PMW4	06/25/09	321.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW4	11/09/09	321.37	13.30	308.07	No	---	---	---	---	---	---
PMW4	11/10/09	321.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW4	06/01/10	321.37	11.17	310.20	No	---	---	---	---	---	---
PMW4	06/02/10	321.37	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW4	10/26/10	321.37	12.68	308.69	No	---	---	---	---	---	---
PMW4	10/28/10	321.37	---	---	---	<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
PMW4	11/15/11	321.37	13.15	308.22	No	<50	<0.50	<0.50	<0.50	<0.50	<0.50
PMW4	05/16/12	321.37	14.09	307.28	No	210	<0.50	8.9	76	7.6	39
<b>PMW4</b>	<b>09/26/12</b>	<b>n</b>	<b>321.37</b>	<b>15.33u</b>	<b>u</b>	<b>No</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</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
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

**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	06/16/03	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	320.04	7.00	313.04	No	---	---	---	---	---	---
PMW5	03/03/09	320.04	---	---	---	<50	0.33o	<0.50	<0.50	<0.50	<1.0
PMW5	06/24/09	320.04	10.20	309.84	No	---	---	---	---	---	---
PMW5	06/25/09	320.04	---	---	---	<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
PMW5	11/15/11	320.04	12.33	307.71	No	---	---	---	---	---	---
PMW5	11/16/11	320.04	---	---	---	54	17	<0.50	0.63	2.3	4.2
PMW5	05/16/12	320.04	11.67	308.37	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)
PMW5	05/18/12	320.04	---	---	---	94	11	1.8	23	2.3	13
<b>PMW5</b>	<b>09/26/12 n</b>	<b>320.04</b>	<b>13.89u</b>	<b>u</b>	<b>No</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
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	---	---	---	---	---	---

**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	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	321.38	13.44	307.94	No	---	---	---	---	---	---
PMW6	03/03/09	321.38	---	---	---	<50	<0.50	<0.50	0.20o	<0.50	0.30o,p
PMW6	06/24/09	321.38	14.84	306.54	No	---	---	---	---	---	---
PMW6	06/25/09	321.38	---	---	---	<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	321.38	14.84	306.54	No	---	---	---	---	---	---
PMW6	06/02/10	321.38	---	---	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0
PMW6	10/26/10	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
PMW6	11/15/11	n 321.38	15.52u	u	No	---	---	---	---	---	---
PMW6	05/16/12	n 321.38	15.43u	u	No	---	---	---	---	---	---
<b>PMW6</b>	<b>09/26/12</b>	<b>n 321.38</b>	<b>15.49u</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
VR1	03/28/03	321.00	Dry	---	---	---	---	---	---	---	---
VR1	06/16/03	321.00	25.85	295.15	No	--	---	--	--	--	--
VR1	06/17/03	321.00	---	---	---	90.2	42.8/34.8f	<0.5	<0.5	<0.5	<0.5
VR1	09/22/03	321.00	28.07	292.93	No	78.1	80.7/85.6f	<0.5	0.5	<0.5	<0.5
VR1	12/22/03	321.00	24.86	296.14	No	<50	42.5/42.1f	<0.5	<0.5	<0.5	<0.5
VR1	03/23/04	321.00	25.86	295.14	No	<50	4.7/4.70f	<0.5	<0.5	<0.5	<0.5
VR1	06/21/04	321.00	27.73	293.27	No	---	---	---	---	---	---
VR1	06/22/04	321.00	---	---	---	988	43.3f	2.20	2.6	8.6	77.4
VR1	09/20/04	321.00	27.86	293.14	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)
VR1	12/20/04	321.00	26.73	294.27	No	93.3	5.6/6.60f	<0.5	0.5	1.4	14.1
VR1	03/28/05	321.00	24.87	296.13	No	---	---	---	---	---	---
VR1	03/29/05	321.00	---	---	---	50.4	2.30	<0.5	<0.5	0.6	7.3
VR1	06/20/05	321.00	25.88	295.12	No	<50	6.30	<0.5	<0.5	<0.5	3.6
VR1	09/25/05	321.00	23.65	297.35	No	<50	21.5	<0.5	<0.5	<0.5	0.76
VR1	12/21/05	321.00	23.82	297.18	No	<50	8.99	<0.5	0.51	<0.5	2.64
VR1	03/21/06	321.00	23.44	297.56	No	---	---	---	---	---	---
VR1	03/22/06	321.00	---	---	---	<50	6.1	<0.50	<0.50	<0.50	<0.50
VR1	06/22/06	321.00	9.79	311.21	No	---	---	---	---	---	---
VR1	06/23/06	321.00	---	---	---	<50.0	1.36	<0.50	<0.50	<0.50	<0.50
VR1	09/19/06	321.00	30.10	290.90	No	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
VR1	12/19/06	321.00	18.59	302.41	No	---	---	---	---	---	---
VR1	12/20/06	321.00	---	---	---	<50.0	<0.500	<0.50	<0.50	<0.50	<0.50
VR1	03/20/07	321.00	17.91	303.09	No	<50.0	0.560	<0.50	<0.50	<0.50	<0.50
VR1	06/19/07	321.00	24.05	296.95	No	<50.0	0.560	<0.50	<0.50	<0.50	<0.50
VR1	06/20/07	321.00	---	---	---	<50.0	37.20	<0.50	<0.50	<0.50	<0.50
VR1	09/18/07	321.00	23.99	297.01	No	92.3	55.0	<0.50	<0.50	<0.50	<0.50
VR1	12/26/07	321.00	17.15	303.85	No	149	186	0.53	<0.50	<0.50	<0.50
VR1	03/26/08	321.00	18.42	302.58	No	---	---	---	---	---	---
VR1	03/27/08	321.00	---	---	---	<0.50	64.0	7.18	0.63	2.12	0.90
VR1	06/25/08	321.00	24.37	296.63	No	<50	55	<0.50	<0.50	<0.50	<0.50
VR1	09/17/08	321.00	27.99	293.01	No	<50	59	<0.50	<0.50	<0.50	<0.50
VR1	12/22/08	321.00	27.65	293.35	No	---	---	---	---	---	---
VR1	12/23/08	321.00	---	---	---	110m	150	<0.50	<0.50	<0.50	<0.50
VR1	03/02/09	321.00	25.43	295.57	No	---	---	---	---	---	---
VR1	03/04/09	321.00	---	---	---	120	50	0.21o,p	<0.50	<0.50	<1.0
VR1	06/24/09	321.00	27.51	293.49	No	---	---	---	---	---	---
VR1	06/25/09	321.00	---	---	---	<50	0.59	<0.50	<0.50	<0.50	<1.0
VR1	11/09/09	321.00	28.05	292.95	No	---	---	---	---	---	---
VR1	11/10/09	321.00	---	---	---	<50	19	<0.50	0.36o	<0.50	<1.0
VR1	06/01/10	321.00	23.87	297.13	No	---	---	---	---	---	---
VR1	06/02/10	321.00	---	---	---	<50	0.85	0.18o	<0.50	<0.50	<1.0
VR1	10/26/10	321.00	23.88	297.12	No	---	---	---	---	---	---
VR1	10/28/12	321.00	---	---	---	<50	8.5	<0.50	<0.50	<0.50	<1.0
VR1	06/09/11	321.00	25.10	295.90	No	<50	1.7	<0.50	<0.50	<0.50	<0.50
VR1	11/15/11 t	321.00	---	---	---	---	---	---	---	---	---
VR1	05/16/12 t	321.00	---	---	---	---	---	---	---	---	---
<b>VR1</b>	<b>09/26/12 t</b>	<b>321.00</b>	---	---	---	---	---	---	---	---	---
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



**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)
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
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

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)
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
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

**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)
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
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

**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)
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
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.



**TABLE 1A**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
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Notes (Cont.):

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	=	Not enough water to sample.
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	=	Analyte detected in equipment blank; result suspect.

**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 to Present	Not analyzed for these analytes.						
MW2	04/22/88 - 07/06/88	Not analyzed for these analytes.						
MW2	07/21/88	Well destroyed.						
MW3	04/06/88 - 08/26/88	Not analyzed for these analytes.						
MW3	08/29/88	Well destroyed.						
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
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	---	---	---	---	---	---	---

**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	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 to Present	Not analyzed for these analytes.						
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
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 to Present	Not analyzed for these analytes.						
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	---	---	---	---	---	---	---

**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)
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 to Present	Not analyzed for these analytes.						
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	---	---	---	---	---	---	---
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

**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)
MW7	10/27/10 to Present	Not analyzed for these analytes.						
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	---	---	---	---	---	---
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	10/27/10 to Present	Not analyzed for these analytes.						
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

**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)
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 to Present	Not analyzed for these analytes.						
MW10	03/28/05	<100	---	---	---	---	---	---
MW10	06/20/05	<100	---	---	---	---	---	---
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 to Present	Not analyzed for these analytes.						
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	---	---	---	---	---	---	---

**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	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	---	---	---	---	---	---	---
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 to Present	Not analyzed for these analytes.						
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 to Present	Not analyzed for these analytes.						
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	---	---	---	---	---	---
MW13	03/28/05	---	---	---	---	---	---	---
MW13	06/20/05	---	---	---	---	---	---	---





**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)
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 to Present	Not analyzed for these analytes.						
OW2	12/17/02	---	---	---	---	---	---	---
OW2	06/17/03	---	---	---	---	---	---	---
OW2	12/22/03	---	---	---	---	---	---	---
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	---	---	---	---	---	---

**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	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 to Present	Not analyzed for these analytes.						
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
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 to Present	Not analyzed for these analytes.						
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



**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)
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	---	---	---	---	---	---	---
PMW4	12/27/07	---	---	---	---	---	---	---
PMW4	03/27/08	---	---	---	---	---	---	---
PMW4	06/26/08	r ---	<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 to Present	Not analyzed for these analytes.						
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	j <100	---	---	---	---	---	---
PMW5	12/20/04	j <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	j <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	---	---	---	---	---	---

**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)
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 to Present	Not analyzed for these analytes.						
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 to Present	Not analyzed for these analytes.						
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 to Present	Not analyzed for these analytes.						
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	06/09/11 to Present	Not analyzed for these analytes.						

**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
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

**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)
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 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.
  - < = 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.

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

Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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Notes (Cont.):

- 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 = Not enough water to sample.
- 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 = Analyte detected in equipment blank; result suspect.



**TABLE 2**  
**WELL CONSTRUCTION DETAILS**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
(Page 1 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
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
PMW2	d	12/16/99	---	322.37	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  
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
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 3)

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 58,860																	
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						



**TABLE 3**  
**OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM**  
Former Exxon Service Station 73399  
2991 Hopyard Road  
Pleasanton, California  
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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)
08/16/12	System down on arrival and running on departure. 4,068,080    11,862,250    1.3    25,300				W-HT	<50	<50	<0.50	<0.50	<0.50	<0.50	11	0.0553	<11.9962	<0.0006	<0.2372	0.0238	<12.9067
					W-OUT-WC1	---	---	<0.50	<0.50	<0.50	<0.50	<0.50						
					W-DSCHG	<50	<50c	<0.50c	<0.50c	<0.50c	<0.50c	<0.50c						
08/29/12	System down on arrival and running on departure. 4,105,440    11,899,610    2.00    37,360																	
09/10/12	System down on arrival and running on departure. 4,106,700    11,900,870    0.07    1,260																	
09/17/12	System running on arrival and departure. 4,143,740    11,937,910    3.67    37,040				W-HT	<50	<50	<0.50	<0.50	<0.50	<0.50	2.0	0.0316	<12.0278	<0.0003	<0.2375	0.0041	<12.9108
					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



PROJECT: 73399 JOB # + ACTIVITY: 2776  
 SUBJECT: H/S DATE: 9-26-12  
 EQUIPMENT USED: Sub Pump & Bailer SHEET: 1 OF 2  
 NAME: DH PROJECT MNGR: RW

Onsite 0815 Sunny 9-26-12  
 H/S Meeting w/SC  
 DTW Wells 0930-1130

Purge: PMW1  
 (SC Sampled): PMW1, MW9A  
 1330 - Deep Pump Control box broken -  
 Purge & Sample PMW3

Purge	18 gal
Decon	40 gal
Total	58 gal

- \* Dry - Less than 6" - PMW6, PMW4, OW2, PMW7, PMW5 VR2
- \* Completely Dry - OW1
- \* Obstructed: MW13 - Obstructed to pump @ 3"  
 ; VR1 - Obstructed - Pump stuck, Tape stuck @ 22"
- \* PMW3 - Out of order - Deep Pump Control Broken  
 - Not Recovered to 80% after 2 hrs.

Offsite 1645

Onsite 0830 Sunny 9-27-12  
 H/S Meeting  
 Open Wells  
 Purge & sample: MW12A, MW14, MW5D, MW5S, MW1, MW10

Purge 16 gal  
 Decon 30 gal  
 Total 46 gal

- Offsite:
- \* MW14 Out of order - Due to traffic
  - \* Between 12A-14 Deep Pump Broken - New one from ET





**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

Project: 2776      Location: 73399      Date: 9-26-12      Name: DH

WELL ID	WELL DIAMETER	ODOR? SHEEN?	TOTAL DEPTH	Pre-Purge DTW	Depth To PRODUCT	PRODUCT THICKNESS	COMMENTS
PMW6	4		15.72	15.49			Less than 6" 1/2
PMW4	4		15.68	15.33			Less than 6" 2/2 tabs stripped
PMW1	4		15.56	13.98			OK
MW4	2		136.00	52.37			OK
MW3	2		70.32	48.43			1/2 obstructed
MW12A	2		130.50	53.77			1/2
MW5D	4		77.50	48.01			0/2 broken
MW5S	4		54.68	47.06			0/2 broken
OW1	4		11.31	DRY			Dry. OK
PMW3	4		15.76	10.98			OK
MW1	4		54.86	48.04			OK
OW2	4		12.41	12.31			OK Less than 6"
MW10	4		58.77	48.65			1/2
PMW2	4		15.46	15.07			1/4 Less than 6"
MW8	4		133.00	53.02			1/2
VR1	4		36.00	DRY			Pump stuck @ 22.12
MW4	4		56.59	47.06			OK
MW11	4		55.00	47.31			OK
PMW5	4		14.46	13.89			OK Less than 6"
MW7	6		53.00	46.96			1/4
MW9A	6		58.00	47.17			OK



### GROUNDWATER SAMPLING FIELD LOG

Client Name: Exxon  
 Location: 73399  
 Field Crew: DH/SC

ERI Job #: 2776  
 Field Cleaning Performed: \_\_\_\_\_  
 Analysis: \_\_\_\_\_

Date: 9-26-12 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
<u>QCEB</u>	<u>0900</u>													
							1000							
<u>PMW1</u>	<u>1309</u>	<u>1.03</u>												
	<u>1310</u>		<u>2</u>	<u>19.5</u>	<u>1117</u>	<u>6.87</u>								
	<u>1311</u>		<u>4</u>	<u>17.9</u>	<u>897</u>	<u>6.68</u>								<u>Dry @ 4 gal</u>
			<u>6</u>											
<u>PMW3</u>	<u>1427</u>	<u>3.11</u>					<u>14.78</u>	<u>N</u>		<u>6</u>				
	<u>1429</u>		<u>4</u>	<u>17.4</u>	<u>955</u>	<u>7.11</u>								
	<u>1431</u>		<u>8</u>	<u>17.4</u>	<u>896</u>	<u>7.12</u>	<u>15</u>			<u>16 35</u>				<u>Dry @ 8 gal</u>
			<u>12</u>											
<u>MW12A</u>	<u>0930</u>	<u>12.50</u>					<u>54.24</u>	<u>Y</u>		<u>6</u>				
			<u>13</u>											
		<u>13</u>	<u>20</u>				<u>54</u>			<u>10 30</u>				<u>Dry before 13 gal</u>
			<u>39</u>											
<u>MW14</u>	<u>1123</u>	<u>13.63</u>					<u>51.83</u>	<u>Y</u>		<u>6</u>				<u>Deep Pump ISSUES</u>
	<u>1136</u>		<u>14</u>	<u>12.8</u>	<u>1020</u>	<u>7.38</u>								
	<u>1150</u>		<u>28</u>	<u>12.4</u>	<u>1056</u>	<u>7.42</u>	<u>52</u>			<u>12 30</u>				
	<u>1204</u>		<u>42</u>	<u>12.2</u>	<u>1058</u>	<u>7.39</u>								
<u>MW5D</u>	<u>1226</u>	<u>19.20</u>					<u>47.95</u>	<u>Y</u>		<u>6</u>				
	<u>1246</u>		<u>20</u>	<u>13.7</u>	<u>1770</u>	<u>7.10</u>								
	<u>1305</u>	<u>20</u>	<u>40</u>	<u>13.9</u>	<u>1927</u>	<u>7.09</u>	<u>48</u>			<u>13 45</u>				
	<u>1315</u>		<u>60</u>	<u>13.8</u>	<u>1963</u>	<u>7.06</u>								
<u>MW5S</u>	<u>1347</u>	<u>4.96</u>					<u>47.07</u>	<u>Y</u>		<u>6</u>				
	<u>1352</u>		<u>5</u>	<u>14.2</u>	<u>2.91</u>	<u>6.86</u>								
	<u>1356</u>		<u>10</u>	<u>14.0</u>	<u>2.91</u>	<u>6.87</u>	<u>47</u>			<u>14 30</u>				
	<u>1406</u>		<u>15</u>	<u>13.7</u>	<u>2.94</u>	<u>6.87</u>								

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11.94

### GROUNDWATER SAMPLING FIELD LOG

Client Name: Exxon  
 Location: 73899  
 Field Crew: DH

ERI Job #: 2776  
 Field Cleaning Performed: \_\_\_\_\_  
 Analysis: \_\_\_\_\_

Date: 9-27-12 Page 2 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
MW1	1443	4.41												
	1449	5	5	14.7	2.95	6.85	46	Y		6				
	1453		10	14.4	2.96	6.88				1515				
	1458		15	14.4	2.95	6.87								
MW10	1517	6.40												
	1524	7	7	15.7	2.69	6.89	49	Y		6				
	1530		14	15.0	2.67	6.92				1615				
	1538		21	15.0	2.70	6.91								
MW8	0853	52.40												
	0928	53	53	12.2	10.79	7.48	53	Y		6				
	0958		106	12.0	11.44	7.48				1045				
	1025		159	12.2	11.56	7.41								
MW4	1047	6.21												
	1053	7	7	13.9	2.91	6.92	47	Y		6				
	1059		14	14.1	2.97	6.91				1115				
	1105		21	14.0	2.98	6.90								
MW11	1117	5.01												
		6	6											Instructed to Pump at Bailor
			12											
			18											
MW7	1135	3.93												
	1139	4	4	14.6	2.84	6.89	43	Y		6				
	1143		8	14.5	2.82	6.90				1230				
	1147		12	14.5	2.80	6.91								

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# WATER SAMPLING SITE STATUS

Date: 9-26-12

Inspected by: DH/SC

Cardno ERI Job No.: 2776 Station No.: 73399

Site Address: 2991 Hopyard Ave Pleasanton

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		
PMW6	N	OK	OK	OK	OK	OK	N	OK	OK	OK	NA	NA	g	OK	1/2 bolts
PMW4	N														2 1/2 bolts stripped
PMW1	OK														OK
MW14	OK														OK
MW13	N														1/2 bolts, well case obstructed
MW12A	N														1/2 bolts
MW5D	N							N							0/2 tabs, Both Broken 0/2 bolts
MW5S	N							N							0/2 tabs Both Broken 0/2 bolts
OW1	OK							OK							OK
PMW3															OK
MW1															OK
OW2															OK
MW10	N														0/2 bolts
PMW2	N														3/4 bolts
MW8	N														1/2 bolts
VR1	OK														Pump stuck in well
MW4															OK
MW11															OK Obstructed
PMW5															OK
MW7	N														0/2 bolts
MW9A	OK							Y							H2O
VR2	OK							Y							H2O

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

Y = Yes.  
 N = No.

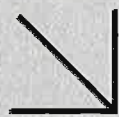
s = Soil.  
 w = Water.  
 e = Empty.

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: 12-10-0092

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED  
OCT 15 2012

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

### Analytical Report For

**Client:** Cardno ERI

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

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

Approved for release on 10/11/2012 by:  
Cecile deGuia  
Project Manager

ResultLink ▶

Email your PM ▶



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Client Project Name: ExxonMobil 73399/022776C  
Work Order Number: 12-10-0092

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**Analytical Report**



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

Date Received: 10/02/12  
 Work Order No: 12-10-0092  
 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
QCBB	12-10-0092-1-E	09/28/12 15:00	Aqueous	GC 24	10/04/12	10/04/12 17:35	121004B01

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	68	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB	12-10-0092-2-E	09/26/12 10:00	Aqueous	GC 24	10/04/12	10/04/12 18:09	121004B01

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			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-46-MW1	12-10-0092-3-E	09/27/12 15:15	Aqueous	GC 24	10/04/12	10/04/12 15:22	121004B01

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			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-47-MW4	12-10-0092-4-E	09/28/12 11:15	Aqueous	GC 24	10/04/12	10/04/12 18:42	121004B01

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	74	38-134			

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

**Analytical Report**



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

Date Received: 10/02/12  
 Work Order No: 12-10-0092  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-48-MW5D	12-10-0092-5-E	09/27/12 13:45	Aqueous	GC 24	10/04/12	10/04/12 19:15	121004B01

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

W-47-MW5S	12-10-0092-6-E	09/27/12 14:30	Aqueous	GC 24	10/04/12	10/04/12 19:49	121004B01
-----------	----------------	-------------------	---------	-------	----------	-------------------	-----------

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

W-43-MW7	12-10-0092-7-E	09/28/12 12:30	Aqueous	GC 24	10/04/12	10/04/12 20:22	121004B01
----------	----------------	-------------------	---------	-------	----------	-------------------	-----------

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	68	38-134			

W-53-MW8	12-10-0092-8-E	09/28/12 10:45	Aqueous	GC 24	10/04/12	10/04/12 20:55	121004B01
----------	----------------	-------------------	---------	-------	----------	-------------------	-----------

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	58	38-134			

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

**Analytical Report**



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

Date Received: 10/02/12  
Work Order No: 12-10-0092  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-47-MW9A	12-10-0092-9-E	09/26/12 13:20	Aqueous	GC 24	10/04/12	10/04/12 21:29	121004B01

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	67	38-134			

W-49-MW10	12-10-0092-10-E	09/27/12 16:15	Aqueous	GC 24	10/04/12	10/04/12 22:35	121004B01
-----------	-----------------	-------------------	---------	-------	----------	-------------------	-----------

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			

W-54-MW12A	12-10-0092-11-E	09/27/12 10:30	Aqueous	GC 24	10/04/12	10/04/12 23:08	121004B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	73	38-134			

W-52-MW14	12-10-0092-12-E	09/27/12 12:30	Aqueous	GC 24	10/04/12	10/04/12 23:42	121004B01
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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

**Analytical Report**



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

Date Received: 10/02/12  
 Work Order No: 12-10-0092  
 Preparation: EPA 5030C  
 Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-PMW1	12-10-0092-13-E	09/26/12 13:35	Aqueous	GC 24	10/04/12	10/05/12 00:15	121004B01

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	72	38-134			

W-15-PMW3	12-10-0092-14-E	09/26/12 16:35	Aqueous	GC 24	10/04/12	10/05/12 00:48	121004B01
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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			

Method Blank	099-12-436-7,914	N/A	Aqueous	GC 24	10/04/12	10/04/12 12:50	121004B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	73	38-134			

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

## Analytical Report



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

Date Received: 10/02/12  
 Work Order No: 12-10-0092  
 Preparation: EPA 5030C  
 Method: EPA 8260B  
 Units: ug/L

Project: ExxonMobil 73399/022776C

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCBB	12-10-0092-1-A	09/28/12 15:00	Aqueous	GC/MS L	10/02/12	10/02/12 17:56	121002L01

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	113	80-127		
1,2-Dichloroethane-d4	114	80-128			Toluene-d8	103	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
QCEB	12-10-0092-2-A	09/26/12 10:00	Aqueous	GC/MS L	10/02/12	10/02/12 18:25	121002L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.2	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	95	68-120			Dibromofluoromethane	109	80-127		
1,2-Dichloroethane-d4	112	80-128			Toluene-d8	94	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-46-MW1	12-10-0092-3-A	09/27/12 15:15	Aqueous	GC/MS L	10/02/12	10/02/12 18:54	121002L01

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	93	68-120			Dibromofluoromethane	110	80-127		
1,2-Dichloroethane-d4	120	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-47-MW4	12-10-0092-4-A	09/28/12 11:15	Aqueous	GC/MS L	10/02/12	10/02/12 19:22	121002L01

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	98	68-120			Dibromofluoromethane	112	80-127		
1,2-Dichloroethane-d4	121	80-128			Toluene-d8	103	80-120		

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



## Analytical Report



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

Date Received: 10/02/12  
 Work Order No: 12-10-0092  
 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-48-MW5D	12-10-0092-5-A	09/27/12 13:45	Aqueous	GC/MS L	10/02/12	10/02/12 19:51	121002L01

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	97	68-120			Dibromofluoromethane	114	80-127		
1,2-Dichloroethane-d4	120	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-47-MW5S	12-10-0092-6-A	09/27/12 14:30	Aqueous	GC/MS L	10/02/12	10/02/12 20:20	121002L01

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	95	68-120			Dibromofluoromethane	109	80-127		
1,2-Dichloroethane-d4	119	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-43-MW7	12-10-0092-7-C	09/28/12 12:30	Aqueous	GC/MS L	10/04/12	10/04/12 17:13	121004L01

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	93	68-120			Dibromofluoromethane	94	80-127		
1,2-Dichloroethane-d4	98	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-53-MW8	12-10-0092-8-A	09/28/12 10:45	Aqueous	GC/MS L	10/02/12	10/02/12 21:18	121002L01

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)	6.3	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	97	68-120			Dibromofluoromethane	113	80-127		
1,2-Dichloroethane-d4	115	80-128			Toluene-d8	100	80-120		

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



Analytical Report



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

Date Received: 10/02/12  
Work Order No: 12-10-0092  
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-47-MW9A	12-10-0092-9-C	09/26/12 13:20	Aqueous	GC/MS L	10/04/12	10/04/12 15:47	121004L01

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)	1.6	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	93	68-120			Dibromofluoromethane	94	80-127		
1,2-Dichloroethane-d4	98	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-49-MW10	12-10-0092-10-A	09/27/12 16:15	Aqueous	GC/MS L	10/02/12	10/02/12 22:15	121002L01

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)	3.8	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	96	68-120			Dibromofluoromethane	112	80-127		
1,2-Dichloroethane-d4	122	80-128			Toluene-d8	103	80-120		

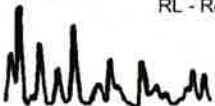
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-54-MW12A	12-10-0092-11-A	09/27/12 10:30	Aqueous	GC/MS L	10/02/12	10/02/12 22:44	121002L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.6	0.50	1		Xylenes (total)	3.5	0.50	1	
Toluene	1.8	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	2.3	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	97	68-120			Dibromofluoromethane	114	80-127		
1,2-Dichloroethane-d4	117	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-52-MW14	12-10-0092-12-A	09/27/12 12:30	Aqueous	GC/MS L	10/02/12	10/02/12 23:13	121002L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.1	0.50	1		Xylenes (total)	2.3	0.50	1	
Toluene	0.97	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	1.0	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	97	68-120			Dibromofluoromethane	113	80-127		
1,2-Dichloroethane-d4	117	80-128			Toluene-d8	105	80-120		

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





Analytical Report



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

Date Received: 10/02/12  
Work Order No: 12-10-0092  
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	12-10-0092-13-C	09/26/12 13:35	Aqueous	GC/MS L	10/04/12	10/04/12 16:15	121004L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.0	0.50	1		Xylenes (total)	5.9	0.50	1	
Toluene	1.8	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	2.3	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	98	68-120			Dibromofluoromethane	95	80-127		
1,2-Dichloroethane-d4	93	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-15-PMW3	12-10-0092-14-C	09/26/12 16:35	Aqueous	GC/MS L	10/04/12	10/04/12 16:44	121004L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.5	0.50	1		Xylenes (total)	2.1	0.50	1	
Toluene	1.3	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	U
Ethylbenzene	0.53	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	96	68-120			Dibromofluoromethane	95	80-127		
1,2-Dichloroethane-d4	100	80-128			Toluene-d8	97	80-120		

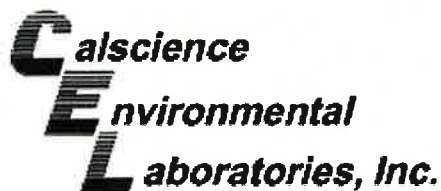
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-969	N/A	Aqueous	GC/MS L	10/02/12	10/02/12 14:31	121002L01

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	114	80-127		
1,2-Dichloroethane-d4	116	80-128			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	099-12-880-971	N/A	Aqueous	GC/MS L	10/04/12	10/04/12 12:25	121004L01

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	93	68-120			Dibromofluoromethane	99	80-127		
1,2-Dichloroethane-d4	101	80-128			Toluene-d8	100	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

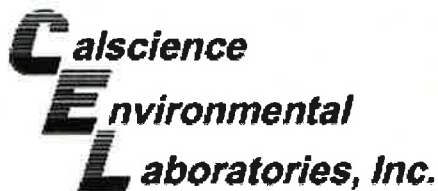
Date Received: 10/02/12  
Work Order No: 12-10-0092  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-46-MW1	Aqueous	GC 24	10/04/12	10/04/12	121004S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1680	84	2789	139	68-122	50	0-18	BA.HX

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

Date Received: 10/02/12  
Work Order No: 12-10-0092  
Preparation: EPA 5030C  
Method: EPA 8260B

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-10-0056-1	Aqueous	GC/MS L	10/02/12	10/02/12	121002S01

<u>Parameter</u>	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	ND	10.00	10.57	106	9.892	99	76-124	7	0-20	
Toluene	ND	10.00	11.31	113	10.82	108	80-120	4	0-20	
Ethylbenzene	ND	10.00	11.42	114	10.89	109	78-126	5	0-20	
Xylenes (total)	ND	30.00	33.05	110	31.33	104	70-130	5	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	10.34	103	10.10	101	67-121	2	0-49	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

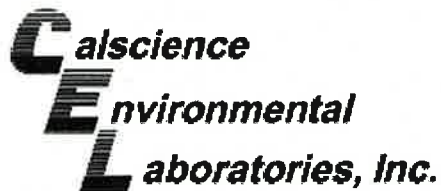
Date Received: 10/02/12  
Work Order No: 12-10-0092  
Preparation: EPA 5030C  
Method: EPA 8260B

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-10-0179-3	Aqueous	GC/MS L	10/04/12	10/04/12	121004S01

<u>Parameter</u>	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	ND	10.00	9.532	95	9.625	96	76-124	1	0-20	
Toluene	ND	10.00	9.627	96	9.944	99	80-120	3	0-20	
Ethylbenzene	ND	10.00	9.812	98	10.30	103	78-126	5	0-20	
Xylenes (total)	ND	30.00	29.86	100	31.75	106	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.029	90	9.229	92	67-121	2	0-49	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

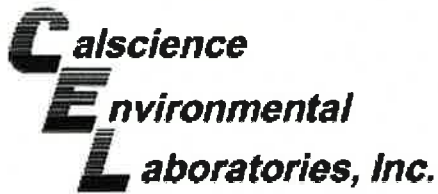
Date Received: N/A  
Work Order No: 12-10-0092  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-7,914	Aqueous	GC 24	10/04/12	10/04/12	121004B01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1751	88	1907	95	78-120	9	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: 12-10-0092  
Preparation: EPA 5030C  
Method: EPA 8260B

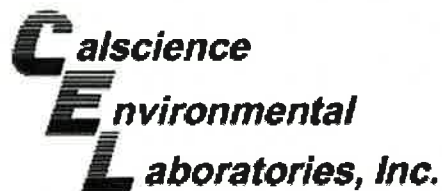
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-969	Aqueous	GC/MS L	10/02/12	10/02/12	121002L01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	10.00	9.933	99	10.37	104	80-120	4	0-20	
Toluene	10.00	10.66	107	11.30	113	80-120	6	0-20	
Ethylbenzene	10.00	11.02	110	10.74	107	80-120	3	0-20	
Xylenes (total)	30.00	32.04	107	31.59	105	75-125	1	0-25	
Methyl-t-Butyl Ether (MTBE)	10.00	9.870	99	9.531	95	69-123	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit





## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 12-10-0092  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-971	Aqueous	GC/MS L	10/04/12	10/04/12	121004L01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	10.00	9.569	96	9.818	98	80-120	3	0-20	
Toluene	10.00	9.646	96	9.781	98	80-120	1	0-20	
Ethylbenzene	10.00	10.13	101	9.945	99	80-120	2	0-20	
Xylenes (total)	30.00	30.91	103	30.69	102	75-125	1	0-25	
Methyl-t-Butyl Ether (MTBE)	10.00	8.782	88	9.159	92	69-123	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 12-10-0092

<u>Qualifier</u>	<u>Definition</u>
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.
U	Undetected at detection limit.

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

MPN - Most Probable Number



## Sandy Tat

---

**From:** David R. Daniels [david.daniels@cardno.com]  
**Sent:** Wednesday, October 03, 2012 11:18 AM  
**To:** Sandy Tat; Judy Hutton  
**Subject:** RE: ExxonMobil 73399/022776C (12-10-0092)  
**Attachments:** 12-10-0092 Revised.pdf

Sandy,

I have attached a revised COC with the changes.

Thank You,

### David Daniels

SR STAFF GEOLOGIST  
CARDNO ERI

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

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**From:** Sandy Tat [<mailto:stat@calscience.com>]  
**Sent:** Wednesday, October 03, 2012 10:33 AM  
**To:** David R. Daniels; Judy Hutton  
**Subject:** ExxonMobil 73399/022776C (12-10-0092)  
**Importance:** High

Hi David / Judy,

Please verify the sample ID for sample (W-32-MW14), because it was labeled as (W-52-MW14) on the label. Please also verify the PM of this work order, because both Rebekah and Paula were listed on the COCs. Thanks!

Sandy Tat  
Project Manager Assistant




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







0092

	<p align="center"><b>&lt; WebShip &gt; &gt; &gt; &gt; &gt;</b> 800-322-5555 www.gso.com</p>	
<p><b>Ship From:</b> ALAN KEMP CAL SCIENCE- CONCORD 5063 COMMERCIAL CIRCLE #H CONCORD, CA 94520</p>	<p><b>Tracking #:</b> 520105286 </p>	<p align="center"><b>NPS</b></p>
<p><b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841</p>	<p align="center"><b>ORC</b> <span style="float: right;"><b>A</b></span> <b>GARDEN GROVE</b></p>	
<p><b>COD:</b> \$0.00</p>	<p align="center"><b>D92841A</b></p> <p align="center"></p> <p align="center">5173368</p>	
<p><b>Reference:</b> CROCKETT , ERM, ERI, PHILLIPS 66, SANTA CRUZ</p>		
<p><b>Delivery Instructions:</b></p>		
<p><b>Signature Type:</b> SIGNATURE REQUIRED</p>		
		<p align="right">Print Date : 10/01/12 14:10 PM</p>

**Package 1 of 1**

Print All

**LABEL INSTRUCTIONS:**

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

**ADDITIONAL OPTIONS:**

**TERMS AND CONDITIONS:**

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



WORK ORDER #: 12-10-0092

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: CARDNO 1221

DATE: 10/02/12

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

Temperature 1.4 °C - 0.3°C (CF) = 1.1 °C  Blank  Sample

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

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

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

Ambient Temperature:  Air  Filter Initial: PS

**CUSTODY SEALS INTACT:**

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

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

**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"/> <sup>TS</sup> 10/2/12	<input checked="" 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<sup>e</sup>h  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBp  1AGB  1AGBna<sub>2</sub>  1AGBs

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

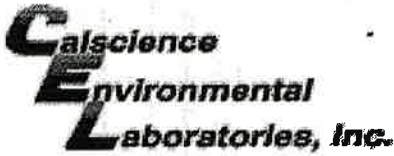
250PB  250PBn  125PB  125PBz<sub>na</sub>  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Canister Other:  \_\_\_\_\_ Trip Blank Lot#: N/A Labeled/Checked by: TS

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

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: TN





WORK ORDER #: 12-10-0092

## SAMPLE ANOMALY FORM

**SAMPLES - CONTAINERS & LABELS:**

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

**Comments:**

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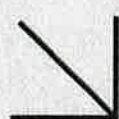
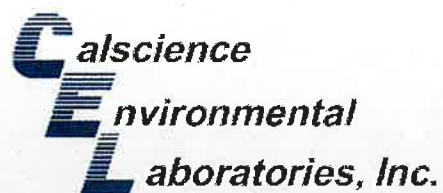
*(-12) Labeled as W-52-NW14,  
9/27/12 @ 12:30.*

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

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

**Comments:** \_\_\_\_\_

\*Transferred at Client's request. Initial / Date: TN 10/2/12



# CALSCIENCE

## WORK ORDER NUMBER: 12-07-1114

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED  
AUG 08 2012

BY:.....

### Analytical Report For

**Client:** Cardno ERI

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

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

*Cecile L. deGuia*

Approved for release on 08/2/2012 by:  
Cecile deGuia  
Project Manager

ResultLink ▶

Email your PM ▶



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



Client Project Name: ExxonMobil 73399/022776C

Work Order Number: 12-07-1114

1	Client Sample Data . . . . .	3
	1.1 EPA 8015B (M) TPH Diesel (Aqueous) . . . . .	3
	1.2 EPA 8015B (M) TPH Gasoline (Aqueous) . . . . .	4
	1.3 EPA 8260B Volatile Organics (Aqueous) . . . . .	5
2	Quality Control Sample Data . . . . .	6
	2.1 MS/MSD and/or Duplicate . . . . .	6
	2.2 LCS/LCSD . . . . .	8
3	Glossary of Terms and Qualifiers . . . . .	11
4	Chain of Custody/Sample Receipt Form . . . . .	12

**Analytical Report**



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

Date Received: 07/19/12  
 Work Order No: 12-07-1114  
 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	12-07-1114-1-E	07/17/12 12:00	Aqueous	GC 48	07/20/12	07/21/12 07:39	120720B07S

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	120	68-140			

W-HT	12-07-1114-3-E	07/17/12 13:00	Aqueous	GC 48	07/20/12	07/21/12 07:54	120720B07S
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	SG,U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	127	68-140			

Method Blank	099-15-304-38	N/A	Aqueous	GC 48	07/20/12	07/21/12 02:43	120720B07S
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	125	68-140			

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

**Analytical Report**



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

Date Received: 07/19/12  
 Work Order No: 12-07-1114  
 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
<b>W-DSCHG</b>	<b>12-07-1114-1-C</b>	<b>07/17/12 12:00</b>	<b>Aqueous</b>	<b>GC 42</b>	<b>07/20/12</b>	<b>07/21/12 03:37</b>	<b>120720B01</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	74	38-134	

<b>W-HT</b>	<b>12-07-1114-3-C</b>	<b>07/17/12 13:00</b>	<b>Aqueous</b>	<b>GC 42</b>	<b>07/20/12</b>	<b>07/21/12 04:13</b>	<b>120720B01</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1	U	ug/L

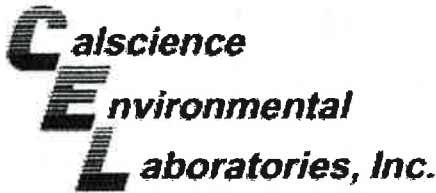
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
1,4-Bromofluorobenzene	66	38-134	

<b>Method Blank</b>	<b>099-12-436-7,660</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC 42</b>	<b>07/20/12</b>	<b>07/20/12 12:37</b>	<b>120720B01</b>
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	50	1	U	ug/L

<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
1,4-Bromofluorobenzene	74	38-134	

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



Analytical Report



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

Date Received: 07/19/12  
Work Order No: 12-07-1114  
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
<b>W-DSCHG</b>	<b>12-07-1114-1-B</b>	<b>07/17/12 12:00</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>07/25/12</b>	<b>07/25/12 13:43</b>	<b>120725L01</b>

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	103	80-127		
1,2-Dichloroethane-d4	103	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
<b>W-OUT-WC1</b>	<b>12-07-1114-2-B</b>	<b>07/17/12 12:30</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>07/25/12</b>	<b>07/25/12 14:12</b>	<b>120725L01</b>

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	95	68-120			Dibromofluoromethane	101	80-127		
1,2-Dichloroethane-d4	101	80-128			Toluene-d8	101	80-120		

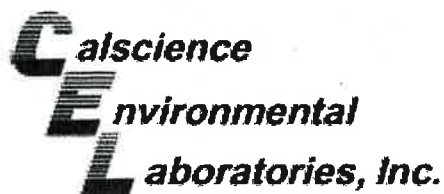
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>W-HT</b>	<b>12-07-1114-3-B</b>	<b>07/17/12 13:00</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>07/25/12</b>	<b>07/25/12 14:40</b>	<b>120725L01</b>

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)	32	0.50	1	
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	101	80-127		
1,2-Dichloroethane-d4	103	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
<b>Method Blank</b>	<b>099-12-880-924</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS L</b>	<b>07/25/12</b>	<b>07/25/12 12:17</b>	<b>120725L01</b>

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	103	80-127		
1,2-Dichloroethane-d4	100	80-128			Toluene-d8	100	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

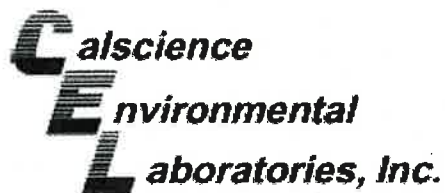
Date Received: 07/19/12  
Work Order No: 12-07-1114  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-07-1072-1	Aqueous	GC 42	07/20/12	07/20/12	120720S01

<u>Parameter</u>	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1913	96	1784	89	68-122	7	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: 07/19/12  
Work Order No: 12-07-1114  
Preparation: EPA 5030C  
Method: EPA 8260B

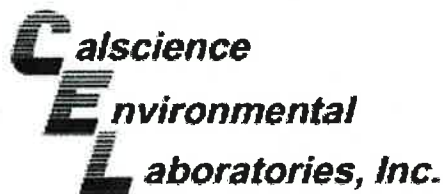
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-07-1231-1	Aqueous	GC/MS L	07/25/12	07/25/12	120725S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	6339	400.0	5553	0	5333	0	76-124	4	0-20	HX
Toluene	706.9	400.0	1142	109	1118	103	80-120	2	0-20	
Ethylbenzene	1157	400.0	1607	113	1560	101	78-126	3	0-20	
Xylenes (total)	2815	1200	4198	115	4046	103	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	400.0	381.3	95	431.9	108	67-121	12	0-49	

RPD - Relative Percent Difference, CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

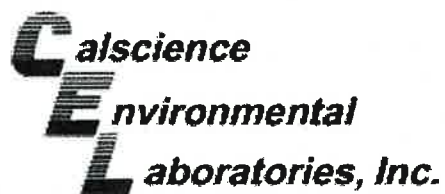
Date Received: N/A  
Work Order No: 12-07-1114  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-38	Aqueous	GC 48	07/20/12	07/21/12	120720B07S

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	2000	2341	117	2340	117	75-117	0	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: 12-07-1114  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

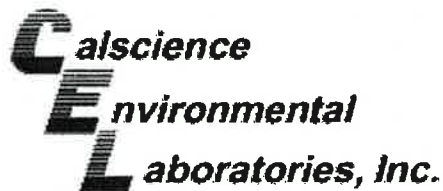
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-7,660	Aqueous	GC 42	07/20/12	07/20/12	120720B01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1947	97	1945	97	78-120	0	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.: 12-07-1114  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-924	Aqueous	GC/MS L	07/25/12	07/25/12	120725L01

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	10.93	109	10.16	102	80-120	7	0-20	
Toluene	10.00	10.68	107	10.37	104	80-120	3	0-20	
Ethylbenzene	10.00	11.19	112	10.56	106	80-120	6	0-20	
Xylenes (total)	30.00	33.35	111	31.92	106	75-125	4	0-25	
Methyl-t-Butyl Ether (MTBE)	10.00	9.364	94	9.098	91	69-123	3	0-20	

RPD - Relative Percent Difference, CL - Control Limit

## Glossary of Terms and Qualifiers



Work Order Number: 12-07-1114

<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



1114

	<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	<b>Tracking #:</b> 519572100 	<b>NPS</b>
<b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841	<div style="display: flex; justify-content: space-between;"> <span data-bbox="714 399 1071 556"><b>ORC</b> GARDEN GROVE</span> <span data-bbox="1274 399 1364 493" style="border: 1px solid black; padding: 5px;"><b>A</b></span> </div>	
<b>COD:</b> \$0.00	<b>D92841A</b>	
<b>Reference:</b> CARDNO ERI, STANTEC		
<b>Delivery Instructions:</b>	3074986	
<b>Signature Type:</b> SIGNATURE REQUIRED	Print Date : 07/18/12 15:38 PM	

Package 1 of 1

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

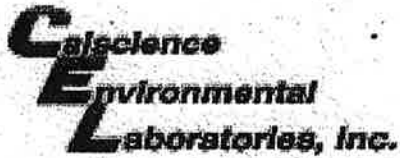
- Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
- STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
- STEP 2 - Fold this page in half.
- STEP 3 - Securely attach this label to 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 are not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.



WORK ORDER #: 12-07-

# SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: CARDNO ERI

DATE: 07/19/12

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.7 °C - 0.3 °C (CF) = 1.4 °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: PS

**CUSTODY SEALS INTACT:**

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

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Initial: PS

Initial: TS

**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

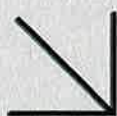
500AGB  500AGJ  500AGJs  250AGB  250CGB  250CGBs  1PB  1PBna  500PB

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

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

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 477

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: TS



# CALSCIENCE

WORK ORDER NUMBER: 12-08-1435

*The difference is service*



AIR | SOIL | WATER | MARINE CHEMISTRY

RECEIVED  
SEP 04 2012

BY: .....

### Analytical Report For

**Client:** Cardno ERI

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

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

*Cecile L. deGuia*

Approved for release on 08/30/2012 by:  
Cecile deGuia  
Project Manager



ResultLink ▶

Email your PM ▶

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





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Work Order Number: 12-08-1435

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**Analytical Report**



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

Date Received: 08/21/12  
 Work Order No: 12-08-1435  
 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	12-08-1435-1-F	08/16/12 17:30	Aqueous	GC 46	08/22/12	08/23/12 12:41	120822B10

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

Surrogates:	REC (%)	Control Limits	Qual
n-Octacosane	89	68-140	

W-HT	12-08-1435-3-F	08/16/12 18:30	Aqueous	GC 46	08/22/12	08/23/12 12:57	120822B10
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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
n-Octacosane	72	68-140	

Method Blank	099-15-304-75	N/A	Aqueous	GC 46	08/22/12	08/23/12 10:40	120822B10
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
n-Octacosane	117	68-140	

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

**Analytical Report**



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

Date Received: 08/21/12  
 Work Order No: 12-08-1435  
 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	12-08-1435-1-C	08/16/12 17:30	Aqueous	GC 25	08/22/12	08/23/12 10:32	120822B02

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	59	38-134	

W-HT	12-08-1435-3-C	08/16/12 18:30	Aqueous	GC 25	08/22/12	08/23/12 11:06	120822B02
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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	61	38-134	

Method Blank	099-12-436-7,780	N/A	Aqueous	GC 25	08/22/12	08/22/12 16:33	120822B02
--------------	------------------	-----	---------	-------	----------	-------------------	-----------

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

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	58	38-134	

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

## Analytical Report



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

Date Received: 08/21/12  
 Work Order No: 12-08-1435  
 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	12-08-1435-1-A	08/16/12 17:30	Aqueous	GC/MS L	08/22/12	08/22/12 19:59	120822L01

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	87	68-120			Dibromofluoromethane	105	80-127		
1,2-Dichloroethane-d4	108	80-128			Toluene-d8	88	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-OUT-WC1	12-08-1435-2-A	08/16/12 18:00	Aqueous	GC/MS L	08/22/12	08/22/12 20:28	120822L01

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	86	68-120			Dibromofluoromethane	105	80-127		
1,2-Dichloroethane-d4	115	80-128			Toluene-d8	99	80-120		

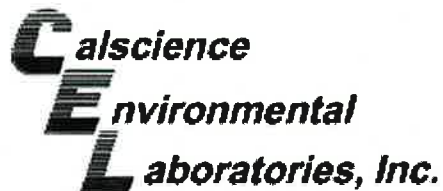
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-HT	12-08-1435-3-A	08/16/12 18:30	Aqueous	GC/MS L	08/22/12	08/22/12 20:56	120822L01

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)	11	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	86	68-120			Dibromofluoromethane	103	80-127		
1,2-Dichloroethane-d4	110	80-128			Toluene-d8	88	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-947	N/A	Aqueous	GC/MS L	08/22/12	08/22/12 12:18	120822L01

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	90	68-120			Dibromofluoromethane	105	80-127		
1,2-Dichloroethane-d4	126	80-128			Toluene-d8	102	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: 08/21/12  
Work Order No: 12-08-1435  
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
12-08-1424-1	Aqueous	GC 25	08/22/12	08/22/12	120822S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	976.4	2000	2895	96	2833	93	68-122	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate



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

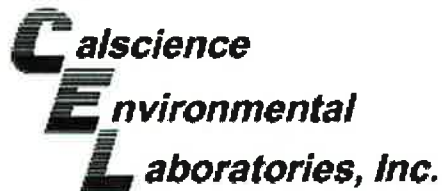
Date Received: 08/21/12  
Work Order No: 12-08-1435  
Preparation: EPA 5030C  
Method: EPA 8260B

Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-08-1436-21	Aqueous	GC/MS L	08/22/12	08/22/12	120822S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	ND	10.00	9.740	97	9.701	97	76-124	0	0-20	
Toluene	ND	10.00	10.59	106	10.57	106	80-120	0	0-20	
Ethylbenzene	ND	10.00	10.99	110	10.85	108	78-126	1	0-20	
Xylenes (total)	ND	30.00	34.02	113	33.78	113	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.154	92	9.336	93	67-121	2	0-49	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

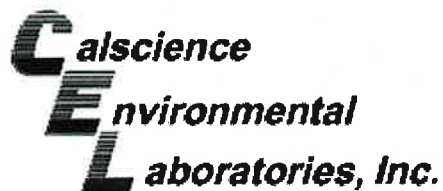
Date Received: N/A  
Work Order No: 12-08-1435  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-75	Aqueous	GC 46	08/22/12	08/23/12	120822B10

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	2000	1948	97	1882	94	75-117	3	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: 12-08-1435  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

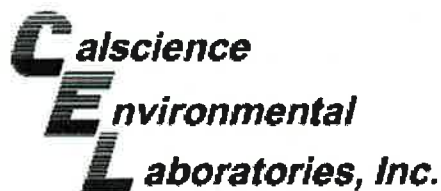
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-7,780	Aqueous	GC 25	08/22/12	08/22/12	120822B02

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1968	98	1803	90	78-120	9	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: 12-08-1435  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-880-947	Aqueous	GC/MS L	08/22/12	08/22/12	120822L01

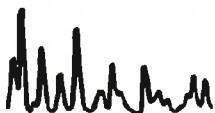
Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	10.00	9.803	98	10.32	103	80-120	5	0-20	
Toluene	10.00	10.42	104	11.19	112	80-120	7	0-20	
Ethylbenzene	10.00	10.37	104	10.96	110	80-120	6	0-20	
Xylenes (total)	30.00	32.24	107	34.28	114	75-125	6	0-25	
Methyl-t-Butyl Ether (MTBE)	10.00	8.888	89	9.882	99	69-123	11	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 12-08-1435

<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 stdns.
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





7435

		<b>WebShip &gt;&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		<b>Tracking #:</b> 519804557 	<b>NPS</b>
<b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841		<b>ORC</b> <b>GARDEN GROVE</b>	
<b>COD:</b> \$0.00		<b>D92841A</b>  3961378	
<b>Reference:</b> ERM, ARCADIS, CARDNO ERI		Print Date : 08/20/12 16:13 PM	
<b>Delivery Instructions:</b>		<b>Package 1 of 1</b>	
<b>Signature Type:</b> SIGNATURE REQUIRED			

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.

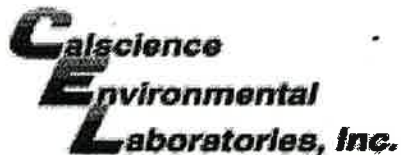
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

**ADDITIONAL OPTIONS:**

Send Label Via Email	Create Return Label
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**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 not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.



WORK ORDER #: 12-08-1435

## SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 08/21/12

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.8 °C - 0.3 °C (CF) = 2.5 °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: AP

**CUSTODY SEALS INTACT:**

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

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

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:** ce

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

**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:** kl

**WORK ORDER #: 12-08-**

**SAMPLE ANOMALY FORM**

**SAMPLES - CONTAINERS & LABELS:**

**Comments:**

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

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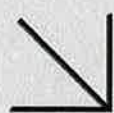
**HEADSPACE – Containers with Bubble > 6mm or ¼ inch:**

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis
2	D	4							

**Comments:** \_\_\_\_\_

\*Transferred at Client's request.

Initial / Date: DL 08/21/12



# CALSCIENCE

## WORK ORDER NUMBER: 12-09-1220

*The difference is service*



AIR :: SOIL :: WATER :: MARINE CHEMISTRY

### Analytical Report For

**Client:** Cardno ERI

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

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

*Cecile de Guia*

Approved for release on 10/3/2012 by:  
Cecile deGuia  
Project Manager

ResultLink ▶

Email your PM ▶



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NELAP ID: 03220CA | D5D-ELAP ID: L10-41 | CSDLAC ID: 10109 | SCAQMD ID: 93LA0830



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Work Order Number: 12-09-1220

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**Analytical Report**



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

Date Received: 09/20/12  
Work Order No: 12-09-1220  
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	12-09-1220-1-F	09/17/12 14:00	Aqueous	GC 47	09/24/12	10/03/12 11:38	120924B04S

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

Surrogates:	REC (%)	Control Limits	Qual
n-Octacosane	128	68-140	

W-HT	12-09-1220-3-F	09/17/12 14:30	Aqueous	GC 47	09/24/12	10/03/12 11:53	120924B04S
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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
n-Octacosane	126	68-140	

Method Blank	099-15-304-110	N/A	Aqueous	GC 47	09/24/12	09/25/12 10:30	120924B04S
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1	U	ug/L

Surrogates:	REC (%)	Control Limits	Qual
n-Octacosane	111	68-140	

Return to Contents

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



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

Date Received: 09/20/12  
Work Order No: 12-09-1220  
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	12-09-1220-1-D	09/17/12 14:00	Aqueous	GC 24	09/21/12	09/21/12 17:54	120921B01

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

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

W-HT	12-09-1220-3-D	09/17/12 14:30	Aqueous	GC 24	09/21/12	09/21/12 19:35	120921B01
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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	69	38-134	

Method Blank	099-12-436-7,879	N/A	Aqueous	GC 24	09/21/12	09/21/12 15:29	120921B01
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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	75	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: 09/20/12  
Work Order No: 12-09-1220  
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	12-09-1220-1-A	09/17/12 14:00	Aqueous	GC/MS L	09/21/12	09/21/12 19:26	120921L01

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	98	68-120			Dibromofluoromethane	93	80-127		
1,2-Dichloroethane-d4	98	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-OUT-WC1	12-09-1220-2-A	09/17/12 14:15	Aqueous	GC/MS L	09/21/12	09/21/12 19:55	120921L01

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	99	68-120			Dibromofluoromethane	97	80-127		
1,2-Dichloroethane-d4	106	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-HT	12-09-1220-3-A	09/17/12 14:30	Aqueous	GC/MS L	09/21/12	09/21/12 20:24	120921L01

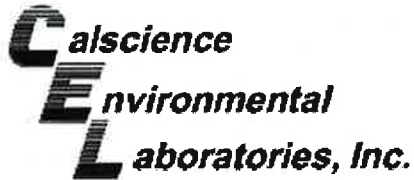
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1	U	Xylenes (total)	ND	0.50	1	U
Toluene	ND	0.50	1	U	Methyl-t-Butyl Ether (MTBE)	2.0	0.50	1	
Ethylbenzene	ND	0.50	1	U					
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	99	68-120			Dibromofluoromethane	100	80-127		
1,2-Dichloroethane-d4	103	80-128			Toluene-d8	99	80-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-880-964	N/A	Aqueous	GC/MS L	09/21/12	09/21/12 11:17	120921L01

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	101	68-120			Dibromofluoromethane	103	80-127		
1,2-Dichloroethane-d4	102	80-128			Toluene-d8	95	80-120		

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

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Quality Control - Spike/Spike Duplicate



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

Date Received: 09/20/12  
Work Order No: 12-09-1220  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

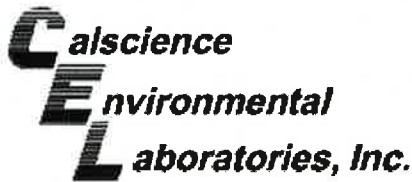
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-DSCHG	Aqueous	GC 24	09/21/12	09/21/12	120921S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1894	95	1842	92	68-122	3	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: 09/20/12  
Work Order No: 12-09-1220  
Preparation: EPA 5030C  
Method: EPA 8260B

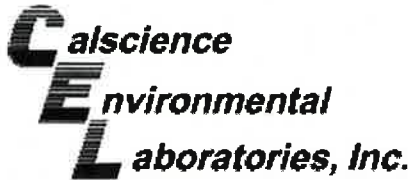
Project ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-09-1213-3	Aqueous	GC/MS L	09/21/12	09/21/12	120921S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	10.09	101	9.941	99	76-124	2	0-20	
Toluene	ND	10.00	10.64	106	10.36	104	80-120	3	0-20	
Ethylbenzene	ND	10.00	10.47	105	10.13	101	78-126	3	0-20	
Xylenes (total)	ND	30.00	31.57	105	30.47	102	70-130	4	0-30	
Methyl-t-Butyl Ether (MTBE)	0.5544	10.00	10.76	102	10.81	103	67-121	1	0-49	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 12-09-1220  
Preparation: EPA 3510C  
Method: EPA 8015B (M)

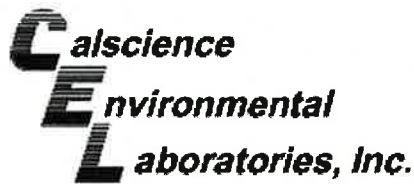
Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-110	Aqueous	GC 47	09/24/12	09/24/12	120924B04S

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	2000	1849	92	1836	92	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: 12-09-1220  
Preparation: EPA 5030C  
Method: EPA 8015B (M)

Project: ExxonMobil 73399/022776C

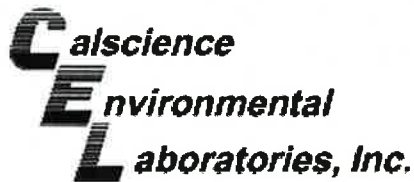
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
099-12-436-7,879	Aqueous	GC 24	09/21/12	09/21/12	120921B01				

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1577	79	1739	87	78-120	10	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 12-09-1220  
Preparation: EPA 5030C  
Method: EPA 8260B

Project: ExxonMobil 73399/022776C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
099-12-880-964	Aqueous	GC/MS L	09/21/12	09/21/12	120921L01				
Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	10.00	10.69	107	10.44	104	80-120	2	0-20	
Toluene	10.00	10.62	106	10.26	103	80-120	3	0-20	
Ethylbenzene	10.00	10.89	109	10.15	101	80-120	7	0-20	
Xylenes (total)	30.00	32.57	109	30.44	101	75-125	7	0-25	
Methyl-t-Butyl Ether (MTBE)	10.00	9.100	91	8.994	90	69-123	1	0-20	

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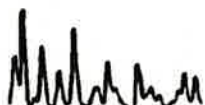
RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 12-09-1220

<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





1220

		<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		<b>Tracking #:</b> 520024867 	
<b>Ship To:</b> SAMPLE RECEIVING CEL 7440 LINCOLN WAY GARDEN GROVE, CA 92841		<b>NPS</b>  <b>ORC</b> <b>GARDEN GROVE</b>  <b>D92841A</b>  4840762	
<b>COD:</b> \$0.00		Print Date : 09/19/12 10:12 PM	
<b>Reference:</b> CARDNO ERI			
<b>Delivery Instructions:</b>			
<b>Signature Type:</b> SIGNATURE REQUIRED			

Package 4 of 4

Send Label To Printer	<input checked="" type="checkbox"/> Print All	Edit Shipment	Finish
-----------------------	---	---------------	--------

**LABEL INSTRUCTIONS:**

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

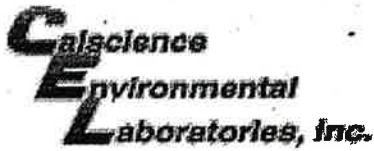
**ADDITIONAL OPTIONS:**

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

**TERMS AND CONDITIONS:**

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

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WORK ORDER #: 12-09-1220

## SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 09/20/12

**TEMPERATURE:** Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.1 °C - 0.3 °C (CF) = 2.8 °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: HP

**CUSTODY SEALS INTACT:**

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

Initial: HP

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Initial: HP

**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<sup>4</sup>h  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  125PBz<sub>2</sub>na  100PJ  100PJna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

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

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

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

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**APPENDIX D**  
**WASTE DISPOSAL DOCUMENTATION**



WATER TECHNOLOGIES CORP.

102997

NON-HAZARDOUS MANIFEST

PMK10001

# 19424

CONSIGNEE (TO): SIEMENS WATER TECH.	SHIPPER (FROM):
<input type="checkbox"/> 2523 Mutahar Street Parker, AZ 85344	<sup>1</sup> Exxon 73399
<input type="checkbox"/> 11711 Reading Road Red Bluff, CA 96080	<sup>2</sup> 2991 Hopyard Rd. Pleasanton Ca.
<input type="checkbox"/> 5375 S. Boyle Ave. Los Angeles, CA 90058	

JOB #: <sup>3</sup> 50385695

NO. SHIPPING UNITS	TYPE*	DESCRIPTION	WEIGHT
<sup>4</sup> 5	<sup>5</sup> DM	Spent Carbon - Non-Hazardous Waste Not DOT Regulated Material Circle One: <u>AQUA</u> VAPOR	<sup>6</sup> 2,200 #
		Profile #, W110290AC	Exp. 12/14/13

CUSTOMER INFORMATION:

DATE: <sup>8</sup>	PRINT NAME: <sup>9</sup>	SIGNATURE: <sup>10</sup>
-----------------------	-----------------------------	-----------------------------

Siemens Industry Inc. Fay Youngblood  
TRANSPORTER:

NAME OF CARRIER #1: SIEMENS WATER TECHNOLOGIES TRANSPORT	DATE: <sup>11</sup> 6/12/12	SIGNATURE: <sup>12</sup>
NAME OF CARRIER #2: <sup>13</sup>	DATE: <sup>14</sup>	SIGNATURE: <sup>15</sup>
RECEIVED BY (FULL NAME): <sup>16</sup> Jan Heun	DATE: <sup>17</sup> 6/12/12	SIGNATURE: <sup>18</sup>

- 1.) Name of Generator
- 2.) Generator site address
- 3.) Given job number
- 4.) Number of units being picked up
- 5.) Type of unit being picked up
- 6.) Total weight
- 7.) Profile number, MANDATORY
- 8.) Date of service and/or pick up performed
- 9.) Name of person signing for Generator
- 10.) Signature of person in box 9
- 11.) Same as box 8
- 12.) Signature of driver for Transporter #1
- 13.) Name of carrier transporting to Plant
- 14.) Date the load was picked up to go to the Plant
- 15.) Driver's signature for Transporter #2
- 16.) Full name of Receiving person
- 17.) Date received to Plant
- 18.) Signature of Receiving person

NON-HAZARDOUS MANIFEST

WHITE: THE PLANT      YELLOW: TRANSPORTER #2      PINK: FILE      GOLD: GENERATOR