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**Gene N. Ortega**  
Senior Engineer  
Environmental Remediation

**ExxonMobil**  
*Refining & Supply*

March 16, 2001

MAR 22 2001

Mr. Scott Seery  
Alameda County Health Agency  
1131 Harbor Bay Parkway  
Alameda, CA 94501-6577

Subject: Former Exxon RAS #7-3399, 2991 Hopyard Road, Pleasanton, California

Dear Mr. Seery:

Attached for your review and comment is a copy of the *Report of Groundwater Monitoring, Fourth Quarter 2000* for the above-referenced site. The report was prepared by ETIC Engineering, Inc. of Pleasant Hill, California, and summarizes the results of the December 2000 sampling event. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached report is true and correct.

If you have any questions or comments, please contact me at (925) 246-8747.

Sincerely,



Gene N. Ortega  
Senior Engineer

Attachment: ETIC Groundwater Monitoring Report dated March 2001

- c: w/attachment:  
Mr. Chuck Headlee – Regional Water Quality Control Board, San Francisco Bay Region  
Mr. Matthew Katen – Zone 7 Water Agency  
Mr. Stephen Cusenza – City of Pleasanton Public Works Department  
Mr. Thomas Elson – Luhdorff and Scalmanini Consulting Engineers  
Mr. Winson B. Low – Valero Energy Corporation
- c: w/o attachment:  
Ms. Christa Marting - ETIC Engineering, Inc.



**Report of Groundwater Monitoring  
Fourth Quarter 2000**

**Former Exxon Retail Site 7-3399  
2991 Hopyard Road  
Pleasanton, California**

Prepared for

ExxonMobil Refining and Supply Company  
P.O. Box 4032  
2300 Clayton Road, Suite 1250  
Concord, California 94524-4032

Prepared by

ETIC Engineering, Inc.  
2285 Morello Avenue  
Pleasant Hill, California 94523  
(925) 602-4710

Joseph T. Muehleck  
Project Manager

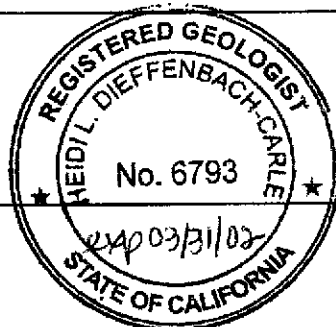
3/13/01

Date

Heidi Dieffenbach-Carle, R.G. #6793  
Senior Geologist

March 8, 2001

Date



March 2001

## SITE CONTACTS

Site Name: Exxon Retail Site 7-3399

Site Address: 2991 Hopyard Road  
Pleasanton, California

ExxonMobil Project Manager: Gene N. Ortega  
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Matthew Katen  
Zone 7 Water Agency  
5997 Parkside Drive  
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Stephen Cusenza  
City of Pleasanton Public Works Department  
P.O. Box 520  
Pleasanton, California 94588  
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## 1. INTRODUCTION

Exxon RS 7-3399 is an active retail service station located at 2991 Hopyard Road, on the southeast corner of the intersection with Valley Avenue in Pleasanton, California. The site has six pump islands and two 10,000-gallon and one 12,000-gallon double-walled fiberglass underground storage tanks (USTs) for dispensing three grades of gasoline. Auto repair is conducted in the onsite station building.

Three additional groundwater monitoring wells (MW12A, MW13, and MW14) were installed at the site in August 2000. A report documenting the installation of the wells was submitted under separate cover.

Well MW9 was pressure grouted and replaced with newly installed well MW9A in November 2000, as outlined in the Work Plan for Well Replacement dated October 2000. A report documenting the well replacement will be submitted under separate cover.

## 2. SUMMARY OF RESULTS

On 28 December 2000, groundwater was monitored in wells MW1, MW4, MW5D, MW5S, MW7, MW8, MW9A, MW10, MW11, MW12A, MW13, MW14, PMW1-PMW6, VR1, VR2, OW1, and OW2 for liquid-phase hydrocarbons (LPH) with an optical interface probe. Groundwater samples were collected from wells MW1, MW4, MW5D, MW5S, MW7, MW8, MW9A, MW10, MW11, MW12A, MW13, MW14, PMW2, PMW3, PMW5, VR1, VR2, and OW2. The samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g), for benzene, toluene, ethylbenzene, and total xylenes (BTEX), and for methyl t-butyl ether (MTBE). Insufficient water was present in wells PMW1, PMW4, PMW6, and OW1 to collect samples.

The current groundwater monitoring data are presented in boldface type in Table 1, along with previous data, and current groundwater elevations are shown in Figure 1. The groundwater flow direction on 28 December 2000 was to the east in the perched zone, with a gradient of approximately 0.04 calculated using wells PMW2, PMW3, and PMW5. The groundwater flow direction on 28 December 2000 was to the northeast at the water table (Zone 1), with a gradient of approximately 0.009 calculated using wells MW5S, MW7, and MW10. **Wells MW5D, MW8, MW12A, MW13, and MW14 are screened in deeper zones for which a groundwater gradient could not be calculated.**

After the depths to water were measured, the wells were purged. Field parameters of pH, temperature, and electrical conductance of the purged water were measured for approximately every well casing volume during purging. When the field parameters were stable (less than a 10 percent change from the previous reading for temperature and electrical conductance and not more than 0.1 pH units) and approximately 3 casing volumes were removed from each well, samples were collected in 40-ml glass VOA vials and placed in an ice-filled cooler. All samples were handled and transported under chain of custody. Copies of the field documents are included as Appendix A.

The samples were submitted to Sequoia Analytical in Morgan Hill, California, and analyzed for TPH-g by Cal EPA-modified EPA Method 8015, for BTEX by EPA Method 8020, and for MTBE by EPA Method 8260B. The results for these analyses are presented in boldface type, along with previous analytical data, in Table 1, and are shown in Figure 1. The laboratory analytical report and chain-of-custody documentation are included in Appendix B.

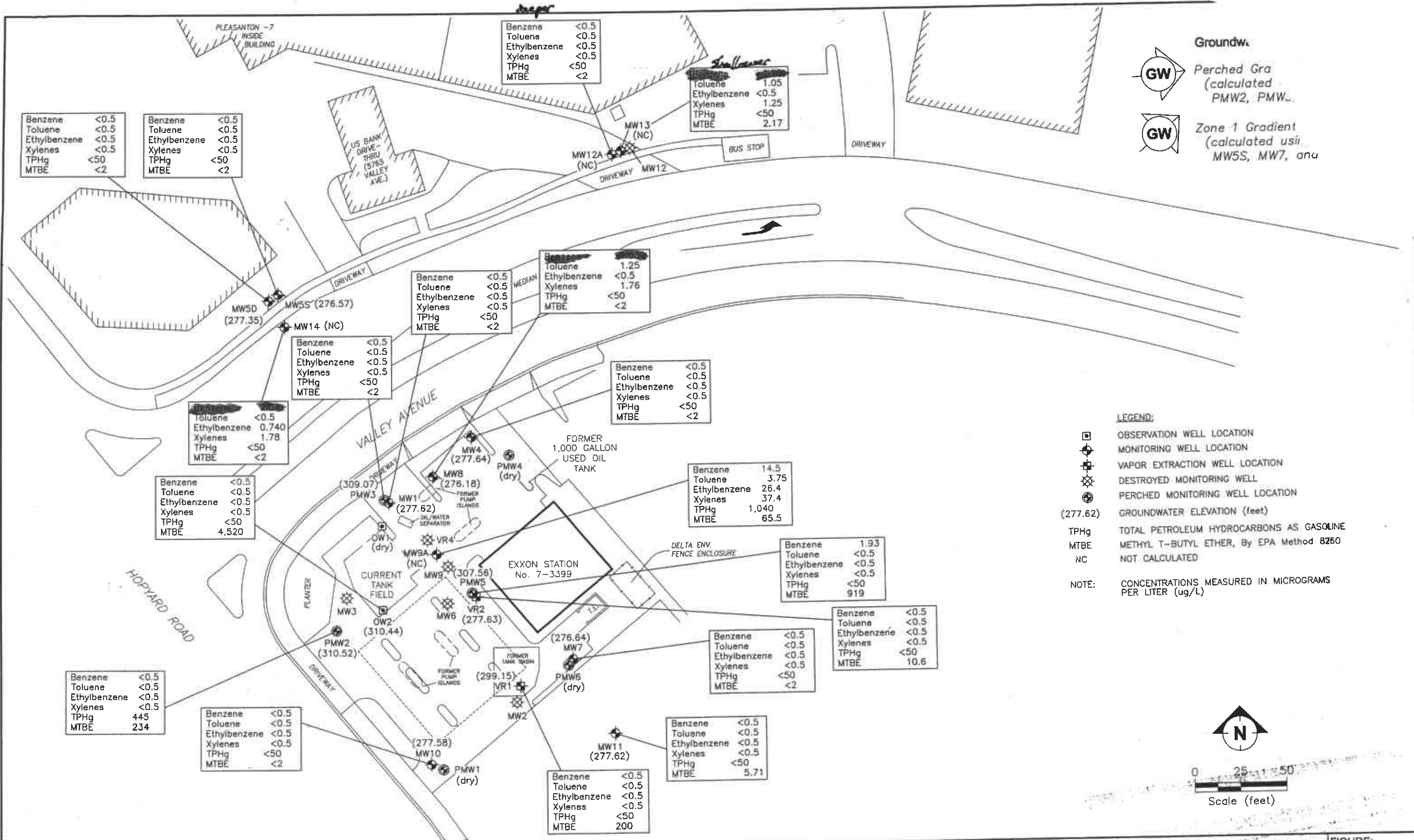
### **3. REMEDIATION SYSTEM**

Construction of a groundwater extraction system at the site is nearly complete. Groundwater extraction is initially proposed from wells OW2, VR1, and MW9A. Extracted groundwater will be pumped from the extraction wells to the existing treatment compound via underground double-contained pipes. Groundwater will be treated by pre-filtration and by adsorption by granular activated carbon to remove dissolved chemicals to meet discharge permit limits. A permit to discharge the treated groundwater has been obtained from the Dublin-San Ramon Services District and is in effect.

### **4. WORK PROPOSED FOR NEXT QUARTER**

Groundwater in monitoring wells will be gauged and sampled in March 2001. Groundwater samples will be analyzed for TPH-g, BTEX, and MTBE.

Operation of the groundwater extraction system will begin.



Groundw.

**GW** Perched Gra (calculated PMW2, PMW6)

**GW** Zone 1 Gradient (calculated using MW5S, MW7, and MW11)

**LEGEND:**

- OBSERVATION WELL LOCATION
- MONITORING WELL LOCATION
- VAPOR EXTRACTION WELL LOCATION
- DESTROYED MONITORING WELL
- PERCHED MONITORING WELL LOCATION
- (277.62) GROUNDWATER ELEVATION (feet)
- TPHg TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- MTBE METHYL T-BUTYL ETHER, By EPA Method 8260
- NC NOT CALCULATED

NOTE: CONCENTRATIONS MEASURED IN MICROGRAMS PER LITER (ug/L)

**SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS**

FORMER EXXON RS 7-3399  
 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA  
 28 DECEMBER 2000

FIGURE:  
**1**

FILE: 00031.DWG 02/07/01



TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW1	04/02/88	321.44	NM	NC	NM	<0.5	1.7	<0.5	<0.5	<20	NA
	04/06/88		36.34	285.10	0.00	NS	NS	NS	NS	NS	NS
	04/08/88		36.29	285.15	0.00	NS	NS	NS	NS	NS	NS
	04/19/88		36.36	285.08	0.00	NS	NS	NS	NS	NS	NS
	06/06/88		38.16	283.28	0.00	NS	NS	NS	NS	NS	NS
	06/23/88		38.71	282.73	0.00	NS	NS	NS	NS	NS	NS
	06/28/88		39.16	282.28	0.00	NS	NS	NS	NS	NS	NS
	07/06/88		39.73	281.71	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/13/88		40.22	281.22	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/12/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/26/88		41.90	279.54	0.00	NS	NS	NS	NS	NS	NS
	09/07/88		42.27	279.17	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	12/07/88		43.94	277.50	0.00	NS	NS	NS	NS	NS	NS
	12/19/88		43.70	277.74	0.00	NS	NS	NS	NS	NS	NS
	02/09/89		42.53	278.91	0.00	NS	NS	NS	NS	NS	NS
	03/03/89		NM	NC	NM	1.6	<0.5	<0.5	<0.5	<20	NA
	03/08/89		41.96	279.48	0.00	NS	NS	NS	NS	NS	NS
	04/03/89		41.59	279.85	0.00	NS	NS	NS	NS	NS	NS
	04/26/89		41.67	279.77	0.00	NS	NS	NS	NS	NS	NS
	06/30/89		43.79	277.65	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/17/89		44.74	276.70	0.00	<0.5	<0.5	<0.5	<0.5	23	NA
	07/18/89		44.76	276.68	0.00	NS	NS	NS	NS	NS	NS
	07/19/89		44.82	276.62	0.00	NS	NS	NS	NS	NS	NS
	07/20/89		44.85	276.59	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/21/89		44.95	276.49	0.00	NS	NS	NS	NS	NS	NS
	07/26/89		45.42	276.02	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/02/89		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/03/89		46.18	275.26	0.00	NS	NS	NS	NS	NS	NS
	08/17/89		47.12	274.32	0.00	NS	NS	NS	NS	NS	NS
	09/13/89		49.08	272.36	0.00	39	0.6	<0.5	5.1	220	NA
	11/28/89		50.21	271.23	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		NM	NC	NM	56	0.72	<0.5	0.71	220	NA

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW1	01/09/90	321.44	49.31	272.13	0.00	NS	NS	NS	NS	NS	NS
	01/25/90		NM	NC	NM	18	1.6	<0.5	1.8	57	NA
	01/26/90		49.29	272.15	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.02 <sup>a</sup>	272.42	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.02	272.42	0.00	NS	NS	NS	NS	NS	NS
	02/27/90		NM	NC	NM	3.2	2.3	<0.5	3.2	55	NA
	03/26/90		48.71 <sup>a</sup>	272.73	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	03/26/90		48.70	272.74	0.00	NS	NS	NS	NS	NS	NS
	04/18/90		48.79	272.65	0.00	1.1	1.6	<0.5	3.1	25	NA
	05/17/90		49.40	272.04	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	06/11/90		50.83	270.61	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/30/90		52.17	269.27	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/27/90		53.44	268.00	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	09/28/90		53.40	268.04	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/27/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/20/91		53.35	268.09	0.00	NS	NS	NS	NS	NS	NS
	06/20/91		53.55	267.89	0.00	NS	NS	NS	NS	NS	NS
	09/12/91		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/30/91		NM	NC	NM	NS	NS	NS	NS	NS	NS
	01/30/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	02/16/93		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/02/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/24/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	04/14/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	05/21/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	06/08/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	07/14/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/10/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	09/16/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	11/09/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	12/10/92		NM	NC	NM	NS	NS	NS	NS	NS	NS



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Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW1	01/26/93	321.44	NM	NC	NM	NS	NS	NS	NS	NS	NS
	02/16/93		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/11/93		53.09	268.35	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		53.32	268.12	0.00	NS	NS	NS	NS	NS	NS
	06/01/93		53.40	268.04	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		59.80	261.64	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		53.45	267.99	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		53.43	268.01	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/28/93		53.38	268.06	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		53.46	267.98	0.00	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		53.46	267.98	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		53.34	268.10	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 <sup>e</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		52.09	269.35	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		49.41	272.03	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		39.97	281.47	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		40.68	280.76	0.00	<0.5	0.83	<0.5	<0.5	<50	<2.5
	11/30/95		38.99	282.45	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		35.70	285.74	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		34.17	287.27	0.00	<0.5	<0.5	<0.5	<0.5	52	<5.0
	08/28/96		38.37	283.07	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	11/18/96		38.40	283.04	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	02/28/97		33.29	288.15	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	05/23/97		33.63	287.91	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	09/23/97		38.05	283.39	0.00	<0.5	<0.5	<0.5	<0.5	<50	29
	12/30/97		36.74	284.70	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/24/98		31.65	289.79	0.00	1.4	2.5	<0.5	1.4	<50	16
	06/15/98		29.28	292.16	0.00	<0.5	<0.5	<0.5	<0.5	<50	22
	09/11/98		34.94	286.50	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	12/09/98		31.14	290.30	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>

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Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW1	03/31/99	321.44	28.10	293.34	0.00	<0.5	<0.5	<0.5	<0.5	<50	124/131 <sup>1</sup>
	06/30/99		33.94	287.50	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	08/03/99		37.94	283.50	0.00	NS	NS	NS	NS	NS	NS
	09/24/99	320.52	44.92	275.60	0.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>
	12/22/99		9.93	310.59	0.00	1.9	1.4	1.5	7.3	<50	990 <sup>f</sup>
	01/21/00		39.35	281.17	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>
	04/04/00		34.70	285.82	0.00	<1	<1	<1	<1	<50	<1
	06/28/00		39.72	280.80	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	09/26/00		43.26	277.26	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	12/28/00		42.90	277.62	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2 <sup>f</sup>
MW2	04/02/88	NM	NM	NC	0.25	NS	NS	NS	NS	NS	NS
	04/04/88		NM	NC	1.5	NS	NS	NS	NS	NS	NS
	04/05/88		NM	NC	1.5	NS	NS	NS	NS	NS	NS
	04/06/88		39.31	NC	3.2	NS	NS	NS	NS	NS	NS
	04/08/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	04/19/88		38.90	NC	2.48	NS	NS	NS	NS	NS	NS
	06/06/88		38.78	NC	0.26	NS	NS	NS	NS	NS	NS
	06/23/88		39.23	NC	0.13	NS	NS	NS	NS	NS	NS
	06/28/88		39.72	NC	NM	NS	NS	NS	NS	NS	NS
	07/06/88		40.31	NC	Slight sheen	25,700	18,500	2,900	21,400	62,000	NA
	07/12/88		Well destroyed								
MW3	04/06/88	NM	37.19	NC	0.00	<0.5	<0.5	<0.5	<0.5	20	NA
	04/08/88		37.14	NC	0.00	NS	NS	NS	NS	NS	NS
	04/19/88		37.22	NC	0.00	NS	NS	NS	NS	NS	NS
	06/06/88		39.02	NC	0.00	NS	NS	NS	NS	NS	NS
	06/23/88		39.58	NC	0.00	NS	NS	NS	NS	NS	NS
	06/28/88		40.04	NC	0.00	NS	NS	NS	NS	NS	NS
	07/06/88		40.60	NC	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/13/88		41.09	NC	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/12/88		NM	NC	NM	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW3	08/26/88	NM	42.77	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/29/88		Well destroyed								
MW4	04/08/88	321.56	36.41	285.15	0.00	NS	NS	NS	NS	NS	NS
	04/11/88		NM	NC	NM	1.8	16.3	0.6	7.1	80	NA
	04/19/88		36.51	285.05	0.00	NS	NS	NS	NS	NS	NS
	06/06/88		38.26	283.30	0.00	NS	NS	NS	NS	NS	NS
	06/23/88		38.83	282.73	0.00	NS	NS	NS	NS	NS	NS
	06/28/88		39.28	282.28	0.00	NS	NS	NS	NS	NS	NS
	07/06/88		39.85	281.71	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/13/88		40.31	281.25	0.00	<0.5	0.9	<0.5	<0.5	<20	NA
	08/12/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/26/88		42.01	279.55	0.00	NS	NS	NS	NS	NS	NS
	09/07/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/07/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/19/88		43.83	277.73	0.00	NS	NS	NS	NS	NS	NS
	02/09/89		42.67	278.89	0.00	NS	NS	NS	NS	NS	NS
	03/08/89		42.11	279.45	0.00	3.8	1.0	<0.5	<0.5	440	NA
	04/03/89		41.73	279.83	0.00	NS	NS	NS	NS	NS	NS
	04/26/89		41.79	279.77	0.00	NS	NS	NS	NS	NS	NS
	06/30/89		43.88	277.68	0.00	<0.5	<0.5	<0.5	<0.5	100	NA
	07/17/89		44.85	276.71	0.00	<0.5	<0.5	<0.5	<0.5	390	NA
	07/18/89		44.88	276.68	0.00	NS	NS	NS	NS	NS	NS
	07/19/89		44.92	276.64	0.00	NS	NS	NS	NS	NS	NS
	07/20/89		44.98	276.58	0.00	<0.5	<0.5	<0.5	<0.5	200	NA
	07/21/89		45.04	276.52	0.00	NS	NS	NS	NS	NS	NS
	07/26/89		45.50	276.06	0.00	<0.5	<0.5	<0.5	<0.5	66	NA
	08/02/89		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/03/89		46.28	275.28	0.00	NS	NS	NS	NS	NS	NS
	08/17/89		47.22	274.34	0.00	NS	NS	NS	NS	NS	NS
	09/13/89		49.19	272.37	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	11/28/89		50.34	271.22	0.00	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW4	12/20/89	321.56	NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	01/09/90		49.47	272.09	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		49.36	272.20	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.18 <sup>a</sup>	272.38	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.15	272.41	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		48.84 <sup>a</sup>	272.72	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	03/26/90		48.83	272.73	0.00	NS	NS	NS	NS	NS	NS
	04/18/90		48.90	272.66	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		50.03	271.53	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		50.98	270.58	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		53.57	267.99	0.00	NS	NS	NS	NS	NS	NS
	08/01/90		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/27/90		53.61	267.95	0.00	NS	NS	NS	NS	NS	NS
	09/28/90		53.57	267.99	0.00	NS	NS	NS	NS	NS	NS
	12/27/90		53.68	267.88	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/20/91		53.56	268.00	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/20/91		53.75	267.81	0.00	NS	NS	NS	NS	NS	NS
	09/12/91		53.70	267.86	0.00	NS	NS	NS	NS	NS	NS
	12/30/91		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	01/30/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	03/02/92		53.83	267.73	0.00	NS	NS	NS	NS	NS	NS
	03/24/92		53.73	267.83	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/14/92		53.76	267.80	0.00	NS	NS	NS	NS	NS	NS
	05/21/92		54.73	266.83	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		53.80	267.76	0.00	NS	NS	NS	NS	NS	NS
	07/14/92		53.60	267.96	0.00	NS	NS	NS	NS	NS	NS
	08/10/92		53.71	267.85	0.00	NS	NS	NS	NS	NS	NS
	09/16/92		53.89	267.67	0.00	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/09/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	12/10/92		53.83	267.73	0.00	57	34	11	200	600	NA
	01/26/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW4	02/16/93	321.56	53.64	267.92	0.00	NS	NS	NS	NS	NS	NS
	03/11/93		53.54	268.02	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		53.62	267.94	0.00	20	10	22	80	360	NA
	06/01/93		53.52	268.04	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		53.80	267.76	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		53.65	267.91	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		54.23	267.33	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/28/93		53.54	268.25	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		53.57	267.99	0.00	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		53.64	267.92	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		53.54	268.02	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 <sup>e</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		52.96	268.60	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		50.37	271.19	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		44.86	276.70	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		41.71	279.85	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.6
	11/30/95		39.95	281.61	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		36.76	284.80	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		35.19	286.37	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		39.39	282.17	0.00	NS	NS	NS	NS	NS	NS
	11/18/96		39.42	282.14	0.00	NS	NS	NS	NS	NS	NS
	02/28/97		34.38	287.18	0.00	NS	NS	NS	NS	NS	NS
	05/23/97		34.66	286.90	0.00	NS	NS	NS	NS	NS	NS
	09/23/97		39.05	282.51	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	12/30/97		37.78	283.78	0.00	NS	NS	NS	NS	NS	NS
	03/24/98		NM	NC	NM	NS	NS	NS	NS	NS	NS
	06/15/98		30.32	291.24	0.00	NS	NS	NS	NS	NS	NS
	09/11/98		35.97	285.59	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	12/09/98		32.93	288.63	0.00	NS	NS	NS	NS	NS	NS
	03/31/99		29.71	291.85	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW4	06/30/99	321.56	34.99	286.57	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.65/3.12 <sup>ch</sup>
	08/03/99		38.52	283.04	0.00	NS	NS	NS	NS	NS	NS
	09/24/99		42.93	278.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	1.12 <sup>f</sup>
	12/22/99		NM	NC	NM	NS	NS	NS	NS	NS	NS
	04/04/00		NM	NC	NM	NS	NS	NS	NS	NS	NS
	06/28/00		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	09/26/00		44.24	277.32	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	<b>12/28/00</b>		<b>43.92</b>	<b>277.64</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>&lt;2<sup>f</sup></b>
MW55	05/25/88	321.64	38.46	283.18	0.00	<0.5	0.9	<0.5	<0.5	<20	NA
	06/06/88		38.86	282.78	0.00	NS	NS	NS	NS	NS	NS
	06/23/88		39.52	282.12	0.00	NS	NS	NS	NS	NS	NS
	06/28/88		39.84	281.80	0.00	NS	NS	NS	NS	NS	NS
	07/06/88		40.45	281.19	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/13/88		40.90	280.74	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/22/88		41.30	280.34	0.00	0.9	4.1	1.3	8.7	50	NA
	08/05/88		23.84 <sup>b</sup>	297.80	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/12/88		42.21	279.43	0.00	NS	NS	NS	NS	NS	NS
	08/26/88		42.55	279.09	0.00	NS	NS	NS	NS	NS	NS
	09/07/88		42.94	278.70	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	12/07/88		44.67	276.97	0.00	NS	NS	NS	NS	NS	NS
	02/09/89		43.19	278.45	0.00	NS	NS	NS	NS	NS	NS
	03/08/89		42.11	279.53	0.00	<0.5	<0.5	<0.5	<1.0	<20	NA
	04/26/89		41.84	279.80	0.00	NS	NS	NS	NS	NS	NS
	06/30/89		43.95	277.69	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/17/89		44.91	276.73	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/18/89		44.93	276.71	0.00	NS	NS	NS	NS	NS	NS
	07/19/89		44.98	276.66	0.00	NS	NS	NS	NS	NS	NS
	07/20/89		45.02	276.62	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
07/21/89	45.10	276.54	0.00	NS	NS	NS	NS	NS	NS		
07/26/89	45.57	276.07	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA		
08/02/89	NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA		

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW5S	08/03/89	321.64	46.31	275.33	0.00	NS	NS	NS	NS	NS	NS
	08/17/89		47.25	274.39	0.00	NS	NS	NS	NS	NS	NS
	09/13/89		49.22	272.42	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	11/28/89		50.39	271.25	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	01/09/90		49.51	272.13	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		49.40	272.24	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.20 <sup>a</sup>	272.44	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.20	272.44	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		48.89 <sup>a</sup>	272.75	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	03/26/90		48.88	272.76	0.00	NS	NS	NS	NS	NS	NS
	04/18/90		48.95	272.69	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		50.06	271.58	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		50.98	270.66	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		53.40	268.24	0.00	NS	NS	NS	NS	NS	NS
	08/01/90		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/27/90		53.60	268.04	0.00	NS	NS	NS	NS	NS	NS
	09/28/90		53.55	268.09	0.00	NS	NS	NS	NS	NS	NS
	12/27/90		53.61	268.03	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/20/91		53.56	268.08	0.00	NS	NS	NS	NS	NS	NS
	06/20/91		53.73	267.91	0.00	NS	NS	NS	NS	NS	NS
	09/12/91		53.78	267.86	0.00	NS	NS	NS	NS	NS	NS
	12/30/91		53.80	267.84	0.00	NS	NS	NS	NS	NS	NS
	01/30/92		53.82	267.82	0.00	NS	NS	NS	NS	NS	NS
	03/02/92		53.82	267.82	0.00	NS	NS	NS	NS	NS	NS
	04/14/92		53.74	267.90	0.00	NS	NS	NS	NS	NS	NS
	05/21/92		53.77	267.87	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		53.81	267.83	0.00	NS	NS	NS	NS	NS	NS
	07/14/92		53.74	267.90	0.00	NS	NS	NS	NS	NS	NS
	08/10/92		53.78	267.86	0.00	NS	NS	NS	NS	NS	NS
	09/16/92		53.90	267.74	0.00	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW5S	11/09/92	321.64	53.87	267.77	0.00	NS	NS	NS	NS	NS	NS
	12/10/92		53.78	267.86	0.00	NS	NS	NS	NS	NS	NS
	01/26/93		53.38	268.26	0.00	NS	NS	NS	NS	NS	NS
	02/16/93		53.44	268.20	0.00	NS	NS	NS	NS	NS	NS
	03/11/93		53.28	268.36	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		53.42	268.22	0.00	11	5.9	13	48	220	NA
	06/01/93		53.56	268.08	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		53.00	268.64	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		53.60	268.04	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		53.62	268.02	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/28/93		54.62	267.02	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		53.62	268.02	0.00	NS	NS	NS	NS	NS	NS
	03/10-11/94		53.61	268.03	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		53.52	268.12	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 <sup>e</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		53.05	268.59	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		50.55	271.09	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		44.96	276.68	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		41.77	279.87	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	11/30/95		39.95	281.69	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		36.80	284.84	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		35.28	286.36	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		39.46	282.18	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	11/18/96		39.47	282.17	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	02/28/97		34.44	287.20	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	05/23/97		34.72	286.92	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	09/23/97		39.09	282.55	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	12/30/97		37.83	283.81	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/24/98		32.76	288.88	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5



TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	
MW5S	06/15/98	321.64	30.46	291.18	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5	
	09/11/98		36.04	285.60	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5	
	12/09/98		33.00	288.64	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>	
	03/31/99		29.20	292.44	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0	
	06/30/99		35.08	286.56	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5	
	08/03/99		38.62	283.02	0.00	NS	NS	NS	NS	NS	NS	
	09/24/99	320.52	42.89	277.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>	
	12/22/99		42.05	278.47	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>	
	04/04/00		35.91	284.61	0.00	<1	<1	<1	<1	<50	<1	
	06/28/00		40.75	279.77	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>	
	09/26/00		44.34	276.18	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>	
	<b>12/28/00</b>		<b>43.95</b>	<b>276.57</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>&lt;2<sup>f</sup></b>	
MW5D	05/25/88	321.79	38.55	283.24	0.00	<0.5	3.1	<0.5	<0.5	<20	NA	
	06/06/88		38.90	282.89	0.00	NS	NS	NS	NS	NS	NS	
	06/23/88		39.56	282.23	0.00	NS	NS	NS	NS	NS	NS	
	06/28/88		40.23	281.56	0.00	NS	NS	NS	NS	NS	NS	
	07/06/88		40.69	281.10	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA	
	07/13/88		41.22	280.57	0.00	<0.5	<0.5	<0.5	<0.5	40	NA	
	08/12/88		42.34	279.45	0.00	NS	NS	NS	NS	NS	NS	
	08/26/88		42.60	279.19	0.00	NS	NS	NS	NS	NS	NS	
	09/07/88		42.99	278.80	0.00	NS	NS	NS	NS	NS	NS	
	12/07/88		44.58	277.21	0.00	NS	NS	NS	NS	NS	NS	
	02/09/89 <sup>c</sup>		NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	03/08/89 <sup>d</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA	
	03/08/89		42.49	279.30	0.00	NS	NS	NS	NS	NS	NS	
	04/03/89		42.21	279.58	0.00	NS	NS	NS	NS	NS	NS	
	04/26/89		42.36	279.43	0.00	NS	NS	NS	NS	NS	NS	
	06/30/89		44.79	277.00	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA	
	07/17/89		45.73	276.06	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA	
	07/18/89		45.75	276.04	0.00	NS	NS	NS	NS	NS	NS	
	07/19/89		44.89	276.90	0.00	NS	NS	NS	NS	NS	NS	

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW5D	07/20/89	321.79	46.02	275.77	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/21/89		46.18	275.61	0.00	NS	NS	NS	NS	NS	NS
	07/26/89		46.83	274.96	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/02/89		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/03/89		47.67	274.12	0.00	NS	NS	NS	NS	NS	NS
	08/17/89		48.27	273.52	0.00	NS	NS	NS	NS	NS	NS
	09/13/89		50.60	271.19	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	11/28/89		51.16	270.63	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	01/09/90		50.42	271.37	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		50.10	271.69	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		50.08	271.71	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		49.80 <sup>f</sup>	271.99	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		49.77	272.02	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	04/18/90		49.80	271.99	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		51.32	270.47	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		52.10	269.69	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		53.47	268.32	0.00	NS	NS	NS	NS	NS	NS
	08/01/90		NM	NM	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/27/90		58.24	263.55	0.00	NS	NS	NS	NS	NS	NS
	09/29/90		60.70	261.09	0.00	NS	NS	NS	NS	NS	NS
	12/27/90		62.52	259.27	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/20/91		59.18	262.61	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/20/91		65.02	256.77	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/12/91		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	12/30/91		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	01/30/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	03/02/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	03/24/92		74.98	246.81	0.00	NS	NS	NS	NS	NS	NS
	04/14/92		74.42	247.37	0.00	NS	NS	NS	NS	NS	NS
	05/21/92		75.67	246.12	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW5D	07/14/92	321.79	NM	NC	Dry	NS	NS	NS	NS	NS	NS
	08/10/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	09/16/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/09/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	12/10/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	01/26/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	02/16/93		76.47	245.32	0.00	NS	NS	NS	NS	NS	NS
	03/11/93		74.03	247.76	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		70.96	250.83	0.00	1.0	1.0	2.5	7.4	<50	NA
	06/01/93		67.64	254.15	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		54.40	267.39	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/15/93		67.85	253.94	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/29/93		67.62	254.17	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/28/93		66.15	255.49	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		64.80	256.84	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		59.10	262.69	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		55.66	265.13	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 <sup>e</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		54.36	268.74	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		51.20	270.59	0.00	NS	NS	NS	NS	NS	NS
	05/09/95		45.49	276.30	0.00	NS	NS	NS	NS	NS	NS
	05/12/95		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		42.35	279.44	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	11/30/95		43.60	278.19	0.00	5.4	10	1.4	12	77	<5.0
	03/28/96		37.12	284.67	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		35.67	286.12	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		40.22	281.57	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	11/18/96		39.89	281.90	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW5D	02/28/97	321.79	34.75	287.04	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	02/28/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Rinseate	02/28/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	05/23/97		35.21	286.58	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	05/23/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Rinseate	05/23/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	09/23/97		39.58	282.21	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	09/23/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Rinseate	09/23/97		NM	NC	NM	<0.5	1.5	<0.5	<0.5	<50	3.0
	12/30/97		38.30	283.49	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
Duplicate	12/30/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
Rinseate	12/30/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/24/98		32.77	289.02	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	06/15/98		30.69	291.10	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	06/15/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	09/11/98		36.68	285.11	0.00	<0.5	<0.5	<0.5	<0.5	<50	33
Duplicate	09/11/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	35
	10/28/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>
	12/09/98		32.70	289.09	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>
Duplicate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>
Rinseate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>
	03/31/99		28.91	292.88	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0
Duplicate	03/31/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0
	06/30/99		35.90	289.89	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	06/30/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	3.3/<0.5 <sup>fh</sup>
Rinseate	06/30/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	08/03/99		40.39	281.40	0.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>
Duplicate	08/03/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>
	09/24/99		44.25	277.54	0.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>
Duplicate	09/24/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>
Rinseate	09/24/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW5D	12/22/99	321.79	38.51	283.28	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>
Duplicate	12/22/99		NM	NC	NM	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>
	04/04/00		30.05	291.74	0.00	<1	<1	<1	<1	<50	<1
	06/28/00		42.00	279.79	0.00	<0.5	<0.5	<0.5	<0.5	<50	1.47 <sup>f</sup>
	09/26/00		45.05	276.74	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	12/28/00		44.44	277.35	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2 <sup>f</sup>
MW6	05/11/88	NM	37.31	NC	0.00	NS	NS	NS	NS	NS	NS
	05/17/88		NM	NM	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	06/06/88		38.70	NC	0.00	NS	NS	NS	NS	NS	NS
	06/23/88		39.23	NC	0.00	NS	NS	NS	NS	NS	NS
	06/28/88		39.74	NC	0.00	31.8	7.5	5.4	6.7	440	NA
	07/13/88		40.78	NC	0.00	162.3	7.7	22.5	14.1	290	NA
	08/05/88		41.72	NC	0.00	245	5.2	47.1	23.7	1,180	NA
	08/12/88		42.14	NC	0.00	NS	NS	NS	NS	NS	NS
	08/17/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/26/88		42.51	NC	0.00	NS	NS	NS	NS	NS	NS
	09/07/88		42.85	NC	0.00	474	16	262	136	2,920	NA
	10/24/88		Well destroyed								
MW7	07/13/88	321.27	40.50	280.77	0.00	860	1,910	710	4,420	16,700	NA
	07/22/88		41.85 <sup>a</sup>	279.42	0.00	136	85	5	58	460	NA
	08/05/88		41.45 <sup>a</sup>	279.82	0.00	73.3	52.8	2.3	28.1	270	NA
	08/12/88		42.69	278.58	NM	NS	NS	NS	NS	NS	NS
	09/07/88		42.60	278.67	NM	NS	NS	NS	NS	NS	NS
	12/07/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	01/17/89		43.20	278.07	NM	NS	NS	NS	NS	NS	NS
	02/09/89		NM	NC	NM	600	688	10	448	6,700	NA
	06/30/89		NM	NC	NM	180	50	13	40	1,100	NA
	08/02/89		NM	NC	NM	1.6	<0.5	<0.5	0.6	31	NA
	09/13/89		NM	NC	NM	<0.5	2.6	<0.5	12	87	NA
	10/12/89		49.93	271.34	0.00	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW7	11/28/89	321.27	57.61 <sup>a</sup>	263.66	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	01/09/90		57.57 <sup>a</sup>	263.70	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		57.54 <sup>a</sup>	263.73	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		49.08	272.19	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		55.26 <sup>a</sup>	266.01	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		48.93	272.34	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		57.52 <sup>a</sup>	263.75	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		48.60	272.67	0.00	NS	NS	NS	NS	NS	NS
	04/18/90		57.55 <sup>a</sup>	263.72	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		57.40 <sup>a</sup>	263.87	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		50.68	270.59	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/27/90		53.05	268.22	0.00	NS	NS	NS	NS	NS	NS
	09/28/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/27/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/20/91		54.11	267.16	0.00	NS	NS	NS	NS	NS	NS
	06/20/91		55.14	266.13	0.00	<0.5	1.8	0.6	4.1	74	NA
	09/12/91		55.84	265.43	0.00	3.5	<0.5	1.7	6.8	<50	NA
	12/30/91		55.21	266.06	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/30/92		54.88	266.39	0.00	NS	NS	NS	NS	NS	NS
	03/02/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/24/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	04/14/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	05/21/92		53.36	267.91	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		54.20	267.07	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	07/14/92		53.31	267.96	0.00	NS	NS	NS	NS	NS	NS
	08/10/92		54.01	267.26	0.00	NS	NS	NS	NS	NS	NS
	09/16/92		55.97	265.30	0.00	NS	NS	NS	NS	NS	NS
	10/07/92		56.09	265.18	0.00	NS	NS	NS	NS	NS	NS
	11/09/92		54.16	267.11	0.00	NS	NS	NS	NS	NS	NS
	12/10/92		56.02	265.25	0.00	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW7	01/26/93	321.27	56.15	265.12	0.00	NS	NS	NS	NS	NS	NS
	02/16/93		56.23	265.04	0.00	28	30	17	200	600	NA
	03/11/93		55.82	265.45	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		55.45	265.82	0.00	NS	NS	NS	NS	NS	NS
	06/01/93		54.90	266.37	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		54.50	266.77	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		54.25	267.02	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		54.55	266.72	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	NS	NS	NS	NS	NS	NS
	10/28/93		54.94	266.92	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		54.73	266.54	0.00	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11-94		52.83	268.44	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		52.77	268.50	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 <sup>e</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		52.74	268.53	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		50.05	271.22	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		44.61	276.66	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		41.40	279.87	0.00	<0.5	<0.5	<0.5	<0.5	<50	4.1
	11/30/95		39.64	281.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		36.42	284.85	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		34.87	286.40	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		39.11	282.16	0.00	NS	NS	NS	NS	NS	NS
	11/18/96		39.10	282.17	0.00	NS	NS	NS	NS	NS	NS
	02/28/97		34.03	287.24	0.00	NS	NS	NS	NS	NS	NS
	05/23/97		34.36	286.91	0.00	NS	NS	NS	NS	NS	NS
	09/23/97		38.66	282.61	0.00	<0.5	<0.5	<0.5	<0.5	<50	4.4
	12/30/97		37.45	283.82	0.00	NS	NS	NS	NS	NS	NS
	03/24/98		NM	NC	NM	NS	NS	NS	NS	NS	NS
	06/15/98		30.05	291.22	0.00	NS	NS	NS	NS	NS	NS
	09/11/98		35.63	285.64	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	12/09/98		21.54	299.73	NM	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW7	03/31/99	321.27	28.84	292.43	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0
	06/30/99		34.68	286.59	0.00	5.96	<0.5	<0.5	<0.5	<50	<2.5
	08/03/99		38.22	283.05	0.00	NS	NS	NS	NS	NS	NS
	09/24/99		42.59	278.68	0.00	<0.5	<0.5	<0.5	<0.5	<50	11.7 <sup>f</sup>
	12/22/99		41.69	279.58	0.00	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0 <sup>f</sup>
	04/04/00		35.45	285.82	0.00	<1	<1	<1	<1	<50	<1
	06/28/00		40.46	280.81	0.00	<0.5	<0.5	<0.5	<0.5	<50	4.88 <sup>f</sup>
	09/26/00		44.00	277.27	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	<b>12/28/00</b>		<b>44.63</b>	<b>276.64</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>&lt;2<sup>f</sup></b>
MW8	10/01/89	321.86	53.88	267.98	0.00	NS	NS	NS	NS	NS	NS
	10/03/89		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	11/28/89		53.74	268.12	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		NM	NC	NM	<0.5	<0.5	<0.5	0.61	<20	NA
	01/09/90		57.90	263.96	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		53.57	268.29	0.00	NS	NS	NS	NS	NS	NS
	01/31/90		NM	NC	NM	<0.5	<0.5	<0.5	0.87	<20	NA
	02/09/90		NM	NC	NM	<0.5	<0.5	<0.5	1.1	<20	NA
	(Blank)		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	02/23/90		52.16	269.70	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		52.80 <sup>a</sup>	269.06	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	(Blank)		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	04/18/90		51.60	270.26	0.00	<0.5	0.58	<0.5	1.1	<20	NA
	05/17/90		58.21	263.65	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	06/11/90		58.65	263.21	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/30/90		64.33	257.53	0.00	NS	NS	NS	NS	NS	NS
	08/01/90		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/27/90		70.41	251.45	0.00	<0.5	<0.5	<0.5	0.5	<20	NA
	09/28/90		71.93	249.93	0.00	<0.5	<0.5	<0.5	0.5	<50	NA
12/27/90		66.60	255.26	0.00	<0.5	<0.5	<0.5	0.6	<50	NA	
03/20/91		60.75	261.11	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA	
06/20/91		88.77	233.09	0.00	<0.5	<0.5	<0.5	0.6	<50	NA	



TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW8	09/12/91	321.86	103.17	218.69	0.00	NS	NS	NS	NS	NS	NS
	10/14/91		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	12/30/91		81.15	240.71	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/30/92		81.69	240.17	0.00	NS	NS	NS	NS	NS	NS
	03/02/92		78.45	243.41	0.00	NS	NS	NS	NS	NS	NS
	03/24/92		76.55	245.31	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/14/92		75.56	246.30	0.00	NS	NS	NS	NS	NS	NS
	05/21/92		86.99	234.87	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		91.69	230.17	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	07/14/92		94.65	227.21	0.00	NS	NS	NS	NS	NS	NS
	08/10/92		95.02	226.84	0.00	NS	NS	NS	NS	NS	NS
	09/16/92		91.90	229.96	0.00	<0.5	0.9	<0.5	<0.5	<50	NA
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/09/92		84.35	237.51	0.00	NS	NS	NS	NS	NS	NS
	12/10/92		82.20	239.66	0.00	<0.5	0.6	<0.5	<0.5	<50	NA
	01/26/93		78.63	243.23	0.00	NS	NS	NS	NS	NS	NS
	02/16/93		76.90	244.96	0.00	0.7	0.6	<0.5	2.3	<50	NA
	03/11/93		74.39	247.47	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		71.20	250.66	0.00	26	7.3	11	38	230	NA
	06/01/93		68.04	253.82	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		78.05	243.81	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		78.45	243.41	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		73.64	248.22	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/28/93		67.53	253.91	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		64.68	256.76	0.00	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		59.26	262.60	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		56.84	265.02	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 <sup>c</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		55.47	266.39	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		52.00	269.86	0.00	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW8	05/09/95	321.86	46.60	275.26	0.00	NS	NS	NS	NS	NS	NS
	05/12/95		NM	NC	NM	2.3	1.2	2.0	7.4	<50	NA
	08/21/95		43.86	278.00	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	11/30/95		41.25	280.61	0.00	<0.5	<0.5	0.69	2.7	<50	<5.0
	03/28/96		37.71	284.15	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		36.71	285.15	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		42.80	279.06	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	11/18/96		40.78	281.08	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	02/28/97		35.14	286.72	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	02/28/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Rinseate	02/28/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	05/23/97		36.41	285.45	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	05/23/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Rinseate	05/23/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	09/23/97		41.22	280.64	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	09/23/97					<0.5	<0.5	<0.5	<0.5	<50	<2.5
Rinseate	09/23/09		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	12/30/97		39.81	282.05	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
Duplicate	12/30/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
Rinseate	12/30/97		NM	NC	NM	<0.5	0.52	<0.5	<0.5	<50	3.2 <sup>f</sup>
	03/24/98		31.46	290.40	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	06/15/98		31.43	290.43	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
Duplicate	06/15/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/11/98		38.73	283.13	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	09/11/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
MW8	12/09/98		28.96	292.90	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>
Duplicate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>
Rinseate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 <sup>f</sup>
	03/31/99		25.05	296.81	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0
Duplicate	03/31/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0
Rinseate	03/31/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW8	06/30/99	321.86	42.62	279.24	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Duplicate	06/30/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	13.1/1.18 <sup>fh</sup>
Rinseate	06/30/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	08/03/99		51.59	270.27	0.00	<0.5	<0.5	<0.5	<0.5	<50	0.672 <sup>f</sup>
Duplicate	08/03/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	0.659 <sup>f</sup>
Rinseate	08/03/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 <sup>f</sup>
	09/24/99		50.95	270.91	0.00	<0.5	<0.5	<0.5	<0.5	<50	0.777 <sup>f</sup>
Duplicate	09/24/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	0.776 <sup>f</sup>
	12/22/99		38.59	283.27	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>
Duplicate	12/22/99		NM	NC	NM	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>
Rinseate	12/22/99		NM	NC	NM	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>
	04/04/00		36.21	285.65	0.00	<1	<1	<1	<1	<50	3.3/<5 <sup>f</sup>
	06/28/00		46.51	275.35	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	09/26/00		47.55	274.31	0.00	<0.5	<0.5	<0.5	0.528	<50	<1 <sup>f</sup>
	12/28/00		45.68	276.18	0.00	1.03	1.25	<0.5	1.76	<50	<2 <sup>f</sup>
MW9	10/03/89	321.44	NM	NC	NM	1,000	9,200	3,000	13,000	89,000	NA
	10/12/89		50.24	271.20	0.00	NS	NS	NS	NS	NS	NS
	11/28/89		50.59	270.85	0.10	NS	NS	NS	NS	NS	NS
	12/01/89		50.32	271.12	0.02	NS	NS	NS	NS	NS	NS
	12/07/89		50.13	271.31	0.16	NS	NS	NS	NS	NS	NS
	12/13/89		49.91	271.53	Slight Sheen	NS	NS	NS	NS	NS	NS
	12/20/89		49.78	271.66	Slight Sheen	6,300	31,000	9,500	55,000	190,000	NA
	01/02/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	01/09/90		49.39	272.05	Slight Sheen	NS	NS	NS	NS	NS	NS
	01/25/90		NM	NC	NM	2,400	9,400	2,700	15,000	77,000	NA
	01/26/90		49.30	272.14	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.06 <sup>a</sup>	272.38	0.00	1,200	7,100	2,300	14,000	97,000	NA
	02/23/90		49.05	272.39	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		48.75 <sup>a</sup>	272.69	0.00	1,800	7,700	2,000	11,000	89,000	NA
	03/26/90		48.73	272.71	Slight sheen	NS	NS	NS	NS	NS	NS
	04/18/90		48.81	272.63	0.00	2,000	7,500	2,500	16,000	110,000	NA

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW9	05/17/90	321.44	49.96	271.48	0.00	1,500	5,700	2,300	14,000	81,000	NA
	06/11/90		51.58	269.86	0.00	NS	NS	NS	NS	NS	NS
	06/20/90		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	430	NA
	07/30/90		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	08/27/90		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	09/28/90		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	12/27/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/20/91		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	06/20/91		49.63	271.81	NM	NS	NS	NS	NS	NS	NS
	09/12/91		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/30/91		NM	NC	NM	NS	NS	NS	NS	NS	NS
	01/30/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/02/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/24/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	04/14/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	05/21/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	06/08/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	07/14/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/10/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	09/16/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/09/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	12/10/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	01/26/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	02/16/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	03/11/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	04/12/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	06/01/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	07/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	08/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	09/29/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	10/28/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW9	11/23/93	321.44	NM	NC	Dry	NS	NS	NS	NS	NS	NS
	03/10-11/94		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	05/04-05/94		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/16/94		52.62	268.82	0.00	NS	NS	NS	NS	NS	NS
	02/15/95		49.76	271.68	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		44.30	277.14	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		41.11	280.33	0.00	270	51	5.2	140	1,100	<25
	11/30/95		39.40	282.04	0.00	920	680	120	870	6,600	<100
	03/28/96		36.13	285.31	0.00	72	28	1.8	49	360	<10
	05/31/96		34.56	286.88	0.00	2,800	510	<50	400	8,200	<5.0
	08/28/96	38.80	282.64	0.00	1.6	<0.5	<0.5	9.6	160	28	
	11/18/96	38.74	282.70	0.00	2,000	610	130	790	7,100	<200	
	02/28/97	33.74	287.70	0.00	2,900	2,600	280	2,400	22,000	4,200	
	05/23/97	33.77	287.67	0.00	5,300	5,200	800	3,900	32,000	1,600	
	09/23/97	320.68	38.17	282.51	0.00	<0.5	<0.5	<0.5	<0.5	<50	20
	12/30/97		38.83	281.85	0.00	840	750	80	310	4,600	1,100 <sup>f</sup>
	03/24/98		31.32	289.36	0.00	11,000	16,000	1,200	6,200	62,000	7,000
	06/15/98		28.72	291.96	0.00	1.8	2.7	<0.5	3.8	<50	8.1
	09/11/98		31.52	289.16	0.00	1.5	0.97	<0.5	1.1	<50	7.1
	12/09/98		28.92	291.76	0.00	1.4	2.9	<0.5	<0.5	<50	7.9 <sup>f</sup>
	03/31/99		27.77	292.91	0.00	2,560	4,100	118	3,090	18,400	3,850/4,950 <sup>f</sup>
	06/30/99		32.57	288.11	0.00	0.883	1.43	<0.5	1.24	<50	7.05/5.81 <sup>fh</sup>
	08/03/99		36.24	284.44	0.00	1.20	1.70	<0.5	0.60	91.1	<0.5 <sup>f</sup>
09/24/99	320.26		41.65	278.61	0.00	2.60/3.13 <sup>i</sup>	1.06	<0.5	1.17	<50	3.92 <sup>f</sup>
12/22/99		40.55	279.71	0.00	860/870 <sup>i</sup>	380/380 <sup>i</sup>	<5.0/<5.0 <sup>i</sup>	2,190/2,170 <sup>i</sup>	7,300	4,300 <sup>f</sup>	
04/04/00		34.69	285.57	0.00	2.7	2.5	<1	9	<50	310/300 <sup>f</sup>	
06/28/00		39.31	280.95	0.00	111	2.98	<0.5	14.9	207	488 <sup>f</sup>	
09/26/00		43.14	277.12	0.00	<0.5	<0.5	<0.5	<0.5	<50	77.2 <sup>f</sup>	
11/03/00		Well destroyed									
MW9A	12/28/00		43.72	NC	0.00	14.5	3.75	26.4	37.4	1,040	65.5 <sup>f</sup>

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW10	10/12/89	322.99	51.93	271.06	0.00	<0.5	<0.5	<0.5	<0.5	20	NA
	11/28/89		51.88	271.11	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		51.47	271.52	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	01/09/90		50.98	272.01	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		50.87	272.12	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		50.67 <sup>a</sup>	272.32	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		50.65	272.34	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		50.36 <sup>a</sup>	272.63	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	03/26/90		50.35	272.64	0.00	NS	NS	NS	NS	NS	NS
	04/18/90		50.45	272.54	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		51.16	271.83	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		55.72	267.27	0.00	NS	NS	NS	NS	NS	NS
	08/27/90		57.75	265.24	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	09/28/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/27/90		58.08	264.91	0.00	NS	NS	NS	NS	NS	NS
	03/20/91		57.80	265.19	0.00	NS	NS	NS	NS	NS	NS
	06/20/91		58.00	264.99	0.00	NS	NS	NS	NS	NS	NS
	09/12/91		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	12/30/91		NM	NC	NM	NS	NS	NS	NS	NS	NS
	01/30/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	03/02/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	03/24/92		58.53	264.46	0.00	NS	NS	NS	NS	NS	NS
	04/14/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	05/21/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	06/08/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	07/14/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	08/10/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	09/16/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/09/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	12/10/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	01/26/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW10	02/16/93	322.99	58.23	264.76	0.00	NS	NS	NS	NS	NS	NS
	03/11/93		57.81	265.18	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		57.84	265.15	0.00	21	11	21	75	350	NA
	06/01/93		57.88	265.11	NM	NS	NS	NS	NS	NS	NS
	07/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	08/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	09/29/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	10/28/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/23/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	03/10-11/94		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	05/04-05/94		57.21	265.78	Dry	NS	NS	NS	NS	NS	NS
	09/01/94 <sup>e</sup>		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		54.82	268.17	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		51.90	271.09	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		46.32	276.67	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		43.06	279.93	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	11/30/95		41.34	281.65	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		38.15	284.84	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		36.61	286.38	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		40.86	282.13	0.00	NS	NS	NS	NS	NS	NS
	11/18/96		40.90	282.09	0.00	NS	NS	NS	NS	NS	NS
	02/28/97		35.75	287.24	0.00	NS	NS	NS	NS	NS	NS
	05/23/97		36.07	286.92	0.00	NS	NS	NS	NS	NS	NS
	09/23/97		40.41	282.58	0.00	NS	NS	NS	NS	NS	NS
	12/30/97		38.20	284.79	0.00	NS	NS	NS	NS	NS	NS
	03/24/98		34.12	288.87	0.00	NS	NS	NS	NS	NS	NS
	06/15/98		31.79	291.20	0.00	NS	NS	NS	NS	NS	NS
	09/11/98		35.40	287.59	0.00	NS	NS	NS	NS	NS	NS
	12/09/98		34.32	288.67	0.00	NS	NS	NS	NS	NS	NS
	03/31/99		30.55	292.44	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0
	06/30/99		36.36	286.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	08/03/99		39.95	283.04	0.00	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW10	09/24/99	322.99	44.40	278.59	0.00	<0.5	<0.5	<0.5	0.87	<50	19.30 <sup>f</sup>
	12/22/99		43.39	279.60	0.00	9.5	5.3	3.9	25.1	140	<5.0 <sup>f</sup>
	04/04/00		37.18	285.81	0.00	<1	<1	<1	<1	<50	<1
	06/28/00		42.19	280.80	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	09/26/00		45.80	277.19	0.00	<0.5	<0.5	<0.5	<0.5	<50	3.39 <sup>f</sup>
	<b>12/28/00</b>		<b>45.41</b>	<b>277.58</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>&lt;2<sup>f</sup></b>
MW11	11/10/89	321.77	50.64	272.13	0.00	NS	NS	NS	NS	NS	NS
	11/16/89		NM	NC	NM	4.1	9.4	0.74	20	150	NA
	11/28/89		50.51	272.26	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		51.47	271.30	0.00	7.2	7.5	2.9	13	150	NA
	01/09/90		49.68	273.09	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		49.55	273.22	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.37 <sup>a</sup>	273.40	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		49.35	273.42	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		49.03 <sup>a</sup>	273.74	0.00	<0.5	<0.5	<0.5	2.7	32	NA
	04/18/90		49.12	273.65	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		50.30	272.47	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		51.16	271.61	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		53.50	269.27	0.00	<0.5	<0.5	<0.5	3.8	26	NA
	08/27/90		53.65	269.12	0.00	NS	NS	NS	NS	NS	NS
	09/28/90		53.62	269.15	0.00	NS	NS	NS	NS	NS	NS
	12/27/90		53.63	269.14	0.00	NS	NS	NS	NS	NS	NS
	03/20/91		53.26	269.51	0.00	NS	NS	NS	NS	NS	NS
	06/20/91		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	09/12/91		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	12/30/91		53.95	268.82	0.00	NS	NS	NS	NS	NS	NS
01/30/92	53.65	269.12	0.00	NS	NS	NS	NS	NS	NS		
03/02/92	53.68	269.09	0.00	NS	NS	NS	NS	NS	NS		
03/24/92	53.70	269.07	0.00	NS	NS	NS	NS	NS	NS		
04/14/92	53.66	269.11	0.00	NS	NS	NS	NS	NS	NS		
05/21/92	53.62	269.15	0.00	NS	NS	NS	NS	NS	NS		



TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW11	06/08/92	321.77	53.61	269.16	0.00	NS	NS	NS	NS	NS	NS
	07/14/92		53.53	269.24	0.00	NS	NS	NS	NS	NS	NS
	08/10/92		53.58	269.19	0.00	NS	NS	NS	NS	NS	NS
	09/16/92		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	10/07/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	11/09/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	12/10/92		53.59	269.18	0.00	NS	NS	NS	NS	NS	NS
	01/26/93		53.67	269.10	0.00	NS	NS	NS	NS	NS	NS
	02/16/93		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	03/11/93		53.58	269.19	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		53.54	269.23	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/01/93		53.52	269.25	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		53.55	269.22	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		53.62	269.15	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	NS	NS	NS	NS	NS	NS
	10/28/93		53.63	269.14	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		53.58	268.19	0.00	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		53.61	268.16	0.00	NS	NS	NS	NS	NS	NS
	05/04-05/94		53.51	268.26	0.00	NS	NS	NS	NS	NS	NS
	11/16/94		53.46	268.31	0.00	NS	NS	NS	NS	NS	NS
	02/15/95		50.57	271.20	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		45.05	276.72	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		41.88	279.89	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.8
	11/30/95		40.04	281.73	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		36.90	284.87	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		35.34	286.43	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		39.56	282.21	0.00	NS	NS	NS	NS	NS	NS
	11/18/96		39.56	282.21	0.00	NS	NS	NS	NS	NS	NS
	02/28/97		34.50	287.27	0.00	NS	NS	NS	NS	NS	NS
	05/23/97		34.80	286.97	0.00	NS	NS	NS	NS	NS	NS

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW11	09/23/97	321.77	39.18	282.59	0.00	NS	NS	NS	NS	NS	NS
	12/30/97		37.94	283.83	0.00	NS	NS	NS	NS	NS	NS
	03/24/98		32.86	289.65	NM	NS	NS	NS	NS	NS	NS
	06/15/98		30.49	291.28	0.00	NS	NS	NS	NS	NS	NS
	09/11/98		35.96	285.81	0.00	NS	NS	NS	NS	NS	NS
	12/09/98		33.06	288.71	0.00	NS	NS	NS	NS	NS	NS
	03/31/99		29.31	292.46	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.79/2.64 <sup>f</sup>
	06/30/99	35.15	286.62	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5	
	08/03/99	38.65	283.12	0.00	NS	NS	NS	NS	NS	NS	
	09/24/99	321.73	43.08	278.65	0.00	<0.5	<0.5	<0.5	<0.5	<50	3.93 <sup>f</sup>
	12/22/99		40.94	280.79	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 <sup>f</sup>
	04/04/00		35.91	285.82	0.00	<1	<1	<1	<1	<50	<1
	06/28/00		40.46	281.27	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	09/26/00		44.45	277.28	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	12/28/00	44.11	277.62	0.00	<0.5	<0.5	<0.5	<0.5	<50	5.71 <sup>f</sup>	
MW12A	09/26/00		48.26	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	12/28/00		46.45	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2 <sup>f</sup>
MW13	09/26/00		45.62	NC	0.00	0.504	0.594	<0.5	0.982	<50	1.62 <sup>f</sup>
	12/28/00		45.15	NC	0.00	1.19	1.05	<0.5	1.25	<50	2.17 <sup>f</sup>
MW14	09/26/00		46.90	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	12/28/00		45.09	NC	0.00	2.04	<0.5	0.740	1.78	<50	<2 <sup>f</sup>
VR1	03/24/92		NM	NC	NM	1.7	<0.5	<0.5	<0.5	<50	NA
	06/30/99		19.52	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	6.83/7.31 <sup>fh</sup>
	08/03/99		19.53	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.49 <sup>f</sup>
	09/24/99	321.00	19.73	301.27	0.00	<0.5	<0.5	<0.5	<0.5	<50	5.94 <sup>f</sup>
	12/22/99		21.35	299.65	0.00	<1.0	<1.0	<1.0	<1.0	<50	10 <sup>f</sup>
	04/04/00		19.23	301.77	0.00	<1	<1	<1	<1	<50	4,500/5,500 <sup>f</sup>
	06/28/00		20.42	300.58	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,370 <sup>f</sup>

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	
VR1	09/26/00	321.00	21.92	299.08	0.00	<0.5	<0.5	<0.5	<0.5	<50	387 <sup>f</sup>	
	12/28/00		21.85	299.15	0.00	<0.5	<0.5	<0.5	<0.5	<50	200 <sup>f</sup>	
VR2	06/30/99	320.18	33.63	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,080/1,160 <sup>ft</sup>	
	08/03/99		37.19	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	3,390 <sup>f</sup>	
	09/24/99		41.54	278.64	0.00	2,650	<50	<50	309	5,170	1,030 <sup>f</sup>	
	12/22/99		40.63	279.55	0.00	<1.0	<1.0	<1.0	<1.0	<50	34 <sup>f</sup>	
	01/21/00		39.04	281.14	0.00	<1.0	<1.0	<1.0	<1.0	<50	17 <sup>f</sup>	
	04/04/00		35.63	284.55	0.00	<1	<1	<1	<1	<50	370/400 <sup>f</sup>	
	06/28/00		39.28	280.90	0.00	1.12	<1	<1	<1	<50	268 <sup>f</sup>	
	09/26/00		DRY	NC	NM	NS	NS	NS	NS	NS	NS	NS
	12/28/00		42.55	277.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	10.6 <sup>f</sup>	
VR3	06/30/99	318.73	9.15	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,220/1,380 <sup>ft</sup>	
	08/03/99		8.19	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	16,100 <sup>f</sup>	
	09/24/99		8.97	309.76	0.00	7.20	1.14	<1.0	1.94	122	10,900 <sup>f</sup>	
Well destroyed 11/05/99												
VR4	06/30/99	321.19	8.50	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	146	
	08/03/99		8.69	NC	0.00	<0.5	<0.5	<0.5	<0.5	71.7 <sup>b</sup>	3.96 <sup>f</sup>	
	09/24/99		9.10	312.09	0.00	0.890	2.22	0.800	3.15	79.6	90.6 <sup>f</sup>	
Well destroyed 11/05/99												
OW1	09/24/99	322.45	10.37	312.08	0.00	2.10	1.41	<0.5	7.22	119	7,810 <sup>f</sup>	
	12/22/99		10.93	311.52	0.00	12	<5.0	<5.0	5.2	360	44,000 <sup>f</sup>	
	04/04/00		10.83	311.62	0.00	1	<1	<1	<1	120	5,300/6,800 <sup>f</sup>	
	06/28/00		11.91	310.54	0.00	1.20	<1	<1	<1	<100	1,530 <sup>f</sup>	
	09/26/00		DRY	NC	NM	NS	NS	NS	NS	NS	NS	NS
	12/28/00		DRY	NC	NM	NS	NS	NS	NS	NS	NS	NS
OW2	09/24/99	321.55	9.48	312.07	0.00	31.1	<0.5	<0.5	20.6	275 <sup>b</sup>	177,000 <sup>f</sup>	
	12/22/99		10.13	311.42	0.00	<5.0	<5.0	<5.0	5.2	410	85,000 <sup>f</sup>	

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
OW2	04/04/00	321.55	10.00	NC	NM	NS	NS	NS	NS	NS	NS
	06/28/00		11.00	310.55	0.00	<50	<50	<50	<50	<5,000	45,400 <sup>f</sup>
	09/26/00		11.11	310.44	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,690 <sup>f</sup>
	<b>12/28/00</b>		<b>11.11</b>	<b>310.44</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>4,520<sup>f</sup></b>
PMW1	12/22/99	322.75	NM	NC	Dry	NS	NS	NS	NS	NS	NS
	04/04/00		NM	NC	NM	NS	NS	NS	NS	NS	NS
	06/28/00		13.72	309.03	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <sup>f</sup>
	09/26/00		DRY	NC	NM	NS	NS	NS	NS	NS	NS
	<b>12/28/00</b>		<b>DRY</b>	<b>NC</b>	<b>NM</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>
PMW2	12/22/99	322.37	12.85	309.52	0.00	NS	NS	NS	NS	NS	NS
	04/04/00		10.65	311.72	0.00	<1	<1	<1	<1	<50	740/720 <sup>f</sup>
	06/28/00		11.50	310.87	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,570 <sup>f</sup>
	09/26/00		12.36	310.01	0.00	<0.5	<0.5	<0.5	<0.5	<50	157 <sup>f</sup>
	<b>12/28/00</b>		<b>11.85</b>	<b>310.52</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>445</b>	<b>234<sup>f</sup></b>
PMW3	12/22/99	321.27	12.61	308.66	0.00	NS	NS	NS	NS	NS	NS
	04/04/00		9.78	311.49	0.00	<1	<1	<1	<1	<50	250/310 <sup>f</sup>
	06/28/00		10.52	310.75	0.00	<0.5	<0.5	<0.5	<0.5	<50	31.5 <sup>f</sup>
	09/26/00		10.39	310.88	0.00	<0.5	<0.5	<0.5	<0.5	<50	13.6 <sup>f</sup>
	<b>12/28/00</b>		<b>12.20</b>	<b>309.07</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>&lt;2<sup>f</sup></b>
PMW4	12/22/99	321.37	15.32	306.05	0.00	NS	NS	NS	NS	NS	NS
	04/04/00		10.60	310.77	0.00	<1	<1	<1	<1	<50	28/27 <sup>f</sup>
	06/28/00		14.00	307.37	0.00	<0.5	<0.5	<0.5	<0.5	<50	3.73 <sup>f</sup>
	09/26/00		DRY	NC	NM	NS	NS	NS	NS	NS	NS
	<b>12/28/00</b>		<b>DRY</b>	<b>NC</b>	<b>NM</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>
PMW5	12/22/99	320.04	13.19	306.85	0.00	1.0	<1.0	<1.0	<1.0	<50	810 <sup>f</sup>
	04/04/00		9.61	310.43	0.00	<1	<1	<1	<1	<50	680/890 <sup>f</sup>
	06/28/00		10.10	309.94	0.00	1.79	<0.5	<0.5	<0.5	<50	629 <sup>f</sup>

TABLE 1 GROUNDWATER MONITORING DATA, FORMER EXXON RS 7-3399, 2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
PMW5	09/26/00	320.04	12.15	307.89	0.00	1.83	<0.5	<0.5	<0.5	<50	743 <sup>f</sup>
	12/28/00		12.48	307.56	0.00	1.93	<0.5	<0.5	<0.5	<50	919 <sup>f</sup>
PMW6	12/22/99	321.38	NM	NC	Dry	NS	NS	NS	NS	NS	NS
	04/04/00		15.10	NC	NM	NS	NS	NS	NS	NS	NS
	06/28/00		14.60	NC	NM	NS	NS	NS	NS	NS	NS
	09/26/00		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/28/00		DRY	NC	NM	NS	NS	NS	NS	NS	NS

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 = Methyl tertiary butyl ether by EPA Method 8260.

g = Unidentified Hydrocarbon C6-C12.

h = Analysis performed outside of EPA recommended hold time.

Depth to groundwater = Measured from notch/mark on north edge of well casing.

LPH = Liquid-phase hydrocarbons.

TPH = Total Petroleum Hydrocarbons.

MTBE = Methyl tertiary butyl ether.

NA = Not analyzed.

NC = Not calculated.

ND = Not detected at or above the laboratory's reporting limits.

NM = Not measured.

NS = Not sampled.

µg/L = Micrograms per liter.

**Appendix A**  
**Field Documents**



FIELD SUMMARY REPORT

Engineering, Inc.

Client: Exxon Mobil

Station No.: 7-3399

Project No.: JP3399

Task No.: 1

Sample Team: J. Ortega + A. Espinoza

Date: 12/28/00

No. of Drums on Site: 7 Water \_\_\_\_\_ Soil \_\_\_\_\_ Empty (10k) (1) 200 Barrel

• Summary:

ON SITE 700

HAVE TAIL GATE SAFETY meeting

Setup traffic Control

open well in street and allow to equilibrate

Purge well in street allow to recharge 80%

SAMPLES wells in street. close + secure well

Clear traffic Control from street

Set up on site

open all wells and allow to equilibrate

Gauge all well

Purge all well and allow to recharge to 80%

\*SAMPLES + close wells.

\*PMW-4, OW-1, PMW-6, PMW-1 were Dry  
NO SAMPLES TAKEN

- Purge WATER DISPOSED THROUGH ROMEC -  
OFF SITE 1515

MONITORING WELL DATA FORM

Client: Exxon	Date: 12/28/2000
Project Number: UP3399.1	Station Number: 7-3399
Site Location: 2991 Hopeyard Rd, Pleasanton, CA	Samplers: John Ortega

MONITORING WELL NUMBER	DEPTH TO WATER (TOC)	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	MONITORING WELL INTEGRITY	DEPTH TO BOTTOM (TOC)	WELL CASING DIAMETER
MW-5D	44.40					77.50	4"
MW-5S	43.95					54.60	4"
PMW-2	11.85					15.74	4"
PMW-3	12.20					15.42	4"
PMW-4	15.13	Well Dry No Sample				15.72	4"
MW-1	42.90					55.15	4"
MW-7	44.63					57.55	4"
MW-8	45.68					137.90	4"
MW-11	44.11					58.30	4"
VR-1	21.85					30.85	4"
VR-2	42.55					43.51	2"
MW-10	45.41					58.30	4"
PMW-5	12.48					14.68	4"
OW1	12.40	Well Dry No Sample				12.40	4"
OW2	11.11					12.74	4"
MW-9	<del>43.92</del>					<del>52.47</del>	4"
PMW-6	15.45 not sampled	Well Dry No Sample				15.90	4"
PMW-1	15.15	Well Dry No Sample				15.72	4"
MW-4	43.92					66.90	4"
MW-14	45.09					135.46	2"
MW-12A	46.45					128.47	2"
MW-13	45.15					70.85	2"
MW-9A	<del>43.92</del> 43.72					57.49	6"

510  
925  
100  
640  
44  
1245  
100  
1145  
15  
1300  
40  
50  
30  
555  
55  
510





## GROUNDWATER PURGE AND SAMPLE

Project Name: *Exxon 7-3399* Well No: *W-1* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

### GAUGING DATA

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	$55.15 - 42.90 = 12.25 \times \begin{matrix} 1 & 2 & 4 & 6 \\ 0.04 & 0.16 & 0.64 & 1.44 \end{matrix}$								$7.86 = 23.5$

### PURGING DATA

Purge Method: *Submersible Pump* Purge Depth: \_\_\_\_\_ Screen \_\_\_\_\_ Purge Rate: \_\_\_\_\_ (gpm)

Time	1335	1337	1340			
Volume Purge (gal)	<i>8.0</i>	<i>16.0</i>	<i>24.0</i>			
Temperature (C)	<i>18.4</i>	<i>18.3</i>	<i>18.3</i>			
pH	<i>6.93</i>	<i>6.90</i>	<i>6.90</i>			
Spec. Cond. (umhos)	<i>2.84</i>	<i>2.53</i>	<i>2.53</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i>					
Casing Volumes	<i>Clear</i>					
Dewatered (Y/N)	<i>N</i>					

Comments/Observations: \_\_\_\_\_

### SAMPLING DATA

Time Sampled: *1345* Approximate Depth to Water During Sampling: *43.00* (feet)

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

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>W-1</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *24.0* (gallons)

Disposal: *WMEC*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: *N*

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



## GROUNDWATER PURGE AND SAMPLE

Project Name: <i>Exxon 7-3399</i>	Well No: <i>MW-4</i>	Date: <i>12/28/2000</i>
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

**GAUGING DATA**

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	<i>66.90</i>	<i>43.92</i>	<i>22.98</i>	<i>1.94</i>	<i>14.7</i>	<i>44.1</i>
				1   2   4   6		
				0.04   0.16   0.64   1.44		

**PURGING DATA**

Purge Method: *Submersible Pump*      Purge Depth: \_\_\_\_\_      Screen: \_\_\_\_\_      Purge Rate: \_\_\_\_\_ (gpm)

Time	1205	1210	1214			
Volume Purge (gal)	<i>15.0</i>	<i>30.0</i>	<i>45.0</i>			
Temperature (C)	<i>19.0</i>	<i>18.9</i>	<i>18.9</i>			
pH	<i>6.96</i>	<i>6.98</i>	<i>6.98</i>			
Spec. Cond. (umhos)	<i>2.38</i>	<i>2.34</i>	<i>2.34</i>			
Turbidity/Color:	/					
Odor (Y/N)	<i>W</i>					
Casing Volumes:	<i>Chen</i>					
Dewatered (Y/N)	<i>W</i>					

Comments/Observations: \_\_\_\_\_

\_\_\_\_\_

**SAMPLING DATA**

Time Sampled: *1235*      Approximate Depth to Water During Sampling: *94.10* (feet)

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

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-4</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *45.0* (gallons)      Disposal: \_\_\_\_\_

Weather Conditions: *Chen*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *Wd. N/A*

Problems Encountered During Purging and Sampling: *vt*

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



## GROUNDWATER PURGE AND SAMPLE

Project Name: <i>Exxon 7-3399</i>	Well No: <i>MW 50</i>	Date: <i>12/28/2000</i>
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

### GAUGING DATA

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	$77.50 - 44.44 = 33.06 \times 1.44 = 47.60$	77.50	44.44	33.06	1	2	4	6	21.1
				0.04	0.16	0.64	1.44		

### PURGING DATA

Purge Method: *Submersible Pump*      Purge Depth: \_\_\_\_\_      Screen: \_\_\_\_\_      Purge Rate: \_\_\_\_\_ (gpm)

Time	852	857	906			
Volume Purge (gal)	22.0	44.0	66.0			
Temperature (C)	18.0	18.1	18.1			
pH	7.10	7.14	7.14			
Spec. Cond. (umhos)	1.76	1.76	1.77			
Turbidity/Color	/					
Odor (Y/N)	N					
Casing Volumes	Cher					
Dewatered (Y/N)	N					

Comments/Observations: \_\_\_\_\_

### SAMPLING DATA

Time Sampled: *910*      Approximate Depth to Water During Sampling: *44.86* (feet)

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

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-50</i>	6	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: \_\_\_\_\_ (gallons)      Disposal: *LMIC*

Weather Conditions: *Cher*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *Good*

Problems Encountered During Purging and Sampling: *None*

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



## GROUNDWATER PURGE AND SAMPLE

Project Name: <i>Exxon 7-3399</i>	Well No: <i>MW-55</i>	Date: <i>12/28/2000</i>
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

### GAUGING DATA

Water Level Measuring Method:

Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	$54.60 - 43.95 = 10.65 \times \begin{matrix} 1 & 2 & 4 & 6 \\ 0.04 & 0.16 & 0.64 & 1.44 \end{matrix}$								
	<i>54.60</i>	<i>43.95</i>	<i>10.65</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>65</i>	<i>20.4</i>

### PURGING DATA

Purge Method: *Submersible Pump*

Purge Depth:

*Screen*

Purge Rate:

*(gpm)*

Time	910	912	915			
Volume Purge (gal)	<i>7.0</i>	<i>14.0</i>	<i>21.0</i>			
Temperature (C)	<i>18.1</i>	<i>18.2</i>	<i>18.2</i>			
pH	<i>7.21</i>	<i>7.19</i>	<i>7.19</i>			
Spec. Cond. (umhos)	<i>2.00</i>	<i>2.14</i>	<i>2.14</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i>					
Casing Volumes	<i>Cher</i>					
Dewatered (Y/N)	<i>N</i>					

Comments/Observations:

### SAMPLING DATA

Time Sampled: *925*

Approximate Depth to Water During Sampling: *44.10* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-55</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, STEX, MTBE</i>
					/	
					/	

Total Purge Volume: *21.0* (gallons)

Disposal: *LOWIC*

Weather Conditions: *Cher*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *WOWB*

Problems Encountered During Purging and Sampling: *u*

Comments:



**GROUNDWATER PURGE AND SAMPLE**

Project Name: <i>Exxon 7-3399</i>	Well No: <i>MW-7</i>	Date: <i>12/28/2000</i>
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

**GAUGING DATA**

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)								
	<i>57.55</i>	<i>44.63</i>	<i>12.92</i>	<i>X</i> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td><td>2</td><td><b>4</b></td><td>6</td></tr><tr><td>0.04</td><td>0.16</td><td>0.64</td><td>1.44</td></tr></table>	1	2	<b>4</b>	6	0.04	0.16	0.64	1.44	<i>8.2</i>	<i>= 24.6</i>
1	2	<b>4</b>	6											
0.04	0.16	0.64	1.44											

**PURGING DATA**

Purge Method: *Submersible Pump*      Purge Depth: \_\_\_\_\_      Screen: \_\_\_\_\_      Purge Rate: \_\_\_\_\_ (gpm)

Time	1225	1238	1227			
Volume Purge (gal)	<i>9.0</i>	<i>18.0</i>	<i>27.0</i>			
Temperature (C)	<i>18.8</i>	<i>18.7</i>	<i>18.7</i>			
pH	<i>6.99</i>	<i>6.98</i>	<i>6.98</i>			
Spec. Cond. (umhos)	<i>2.86</i>	<i>2.80</i>	<i>2.80</i>			
Turbidity/Color	<del>                    </del>	<del>                    </del>	<del>                    </del>			
Odor (Y/N)	<i>N</i>	<del>                    </del>	<del>                    </del>			
Casing Volumes	<i>Clear</i>	<del>                    </del>	<del>                    </del>			
Dewatered (Y/N)	<i>N</i>	<del>                    </del>	<del>                    </del>			

Comments/Observations:

\_\_\_\_\_

\_\_\_\_\_

**SAMPLING DATA**

Time Sampled: *1245*      Approximate Depth to Water During Sampling: *45.0* (feet)

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

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-7</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	<del>                    </del>	<i>TPH-g, BTEX, MTBE</i>
					<del>                    </del>	
					<del>                    </del>	

Total Purge Volume: \_\_\_\_\_ (gallons)      Disposal: *LOWIEC*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good (No Crap (5" well case))*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: *4*

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



# GROUNDWATER PURGE AND SAMPLE

Project Name: *Exxon 7-3399* Well No: *MW-8* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

## GAUGING DATA

Water Level Measuring Method:

Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	$137.90 \ominus 45.68 = 92.22 \times \begin{matrix} 1 & 2 & 4 & 6 \\ 0.04 & 0.16 & 0.64 & 1.44 \end{matrix} = 590 \ominus 177$								

## PURGING DATA

Purge Method: *Submersible Pump*

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	1015	1027	1040			
Volume Purge (gal)	60.0	120.0	180.0			
Temperature (C)	17.0	16.9	16.9			
pH	7.54	7.58	7.58			
Spec. Cond. (umhos)	0.97	0.98	0.98			
Turbidity/Color	/					
Odor (Y/N)	N					
Casing Volumes	N					
Dewatered (Y/N)	N					

Comments/Observations:

## SAMPLING DATA

Time Sampled: *1000*

Approximate Depth to Water During Sampling: *46.11* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-8</i>	6	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, STEX, MTBE</i>
					/	
					/	

Total Purge Volume: (gallons)

Disposal: *LOWMTC*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: *"*

Comments:



Engineering, Inc.

### GROUNDWATER PURGE AND SAMPLE

Project Name: *Exxon 7-3399* Well No: *MW-9A* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

#### GAUGING DATA

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	<i>57.49 - 03.72 = 13.77</i>	<i>57.49</i>	<i>03.72</i>	<i>13.77</i>	<i>X</i> 1 0.04	2 0.16	4 0.64	<i>6</i> 1.44	<i>19.8</i>

#### PURGING DATA

Purge Method: *Submersible Pump* Purge Depth: \_\_\_\_\_ Screen \_\_\_\_\_ Purge Rate: \_\_\_\_\_ (gpm)

Time	1305	1310	1315			
Volume Purge (gal)	<i>20.0</i>	<i>40.0</i>	<i>60.0</i>			
Temperature (C)	<i>18.5</i>	<i>18.4</i>	<i>18.4</i>			
pH	<i>6.99</i>	<i>6.98</i>	<i>6.99</i>			
Spec. Cond. (umhos)	<i>2.54</i>	<i>2.20</i>	<i>2.20</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			
Casing Volumes	<i>Clean</i>	<i>Clean</i>	<i>Clean</i>			
Dewatered (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			

Comments/Observations: \_\_\_\_\_

#### SAMPLING DATA

Time Sampled: *1320* Approximate Depth to Water During Sampling: *44.00* (feet)

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

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-9A</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *60.0* (gallons) Disposal: *LOWE*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: \_\_\_\_\_

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



Engineering, Inc.

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399* Well No: *MW-10* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

**GAUGING DATA**

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	<i>55.30</i>	<i>45.41</i>	<i>12.85</i>	<i>X</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>8.2</i>
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: *Submersible Pump* Purge Depth: \_\_\_\_\_ Screen \_\_\_\_\_ Purge Rate: \_\_\_\_\_ (gpm)

Time	1054	1057	1100			
Volume Purge (gal)	<i>9.0</i>	<i>18.0</i>	<i>27.0</i>			
Temperature (C)	<i>17.5</i>	<i>17.6</i>	<i>17.6</i>			
pH	<i>7.06</i>	<i>7.05</i>	<i>7.05</i>			
Spec. Cond. (umhos)	<i>1.73</i>	<i>1.74</i>	<i>1.74</i>			
Turbidity/Color	<i>/</i>	<i>/</i>	<i>/</i>			
Odor (Y/N)	<i>W-</i>	<i>-</i>	<i>-</i>			
Casing Volumes	<i>Clear</i>	<i>-</i>	<i>-</i>			
Dewatered (Y/N)	<i>W-</i>	<i>-</i>	<i>-</i>			

Comments/Observations: \_\_\_\_\_

**SAMPLING DATA**

Time Sampled: *1110* Approximate Depth to Water During Sampling: *26.1* (feet)

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

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-10</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	<i>/</i>	<i>TPH-g, BTEX, MTBE</i>
					<i>/</i>	
					<i>/</i>	

Total Purge Volume: *27.0* (gallons) Disposal: *ROWDC*  
 Weather Conditions: *Clear*  
 Condition of Well Box and Casing at Time of Sampling: *Good*  
 Well Head Conditions Requiring Correction: *None*  
 Problems Encountered During Purging and Sampling: *4*  
 Comments: \_\_\_\_\_





## GROUNDWATER PURGE AND SAMPLE

Project Name: <i>Exxon 7-3399</i>	Well No: <i>MW-11</i>	Date: 12/28/2000
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

### GAUGING DATA

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	$58.30 - 44.11 = 14.19 \times \begin{matrix} 1 & 2 & 4 & 6 \\ 0.04 & 0.16 & 0.64 & 1.44 \end{matrix}$								

### PURGING DATA

Purge Method: *Submersible Pump*      Purge Depth: \_\_\_\_\_ Screen \_\_\_\_\_ Purge Rate: \_\_\_\_\_ (gpm)

Time	1120	1123	1125			
Volume Purge (gal)	9.0	18.0	27.0			
Temperature (C)	18.0	18.3	18.3			
pH	6.96	6.98	6.98			
Spec. Cond. (umhos)	2.31	2.29	2.29			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i> - - - -					
Casing Volumes	<i>Obser</i> - - - -					
Dewatered (Y/N)	<i>N</i> - - - -					

Comments/Observations: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### SAMPLING DATA

Time Sampled: *1145*      Approximate Depth to Water During Sampling: *44.98* (feet)

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

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-11</i>	6	<i>Voa</i>	<i>HCL</i>	40 ml	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *27.0* (gallons)      Disposal: *LOWEL*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: *None*

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

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399* Well No: ~~12A~~ Date: 12/28/2000  
 Project No: *UP3399.1* Personnel: *JO/AE*

**GAUGING DATA**

Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	<i>128.47</i>	<i>-</i>	<i>46.45</i>	<i>=</i>	<i>82.02</i>	<i>X</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>13.1</i>	<i>=</i>
						0.04	0.16	0.64	1.44			

**PURGING DATA**

Purge Method: *Submersible Pump* Purge Depth: \_\_\_\_\_ Screen \_\_\_\_\_ Purge Rate: \_\_\_\_\_ (gpm)

Time	940	943	946			
Volume Purge (gal)	<i>14.0</i>	<i>28.0</i>	<i>42.0</i>			
Temperature (C)	<i>17.6</i>	<i>18.0</i>	<i>18.0</i>			
pH	<i>7.27</i>	<i>7.24</i>	<i>7.24</i>			
Spec. Cond. (umhos)	<i>0.98</i>	<i>1.00</i>	<i>1.00</i>			
Turbidity/Color	/					
Odor (Y/N)	N					
Casing Volumes	clear					
Dewatered (Y/N)	N					

Comments/Observations: \_\_\_\_\_

**SAMPLING DATA**

Time Sampled: *9:55* Approximate Depth to Water During Sampling: \_\_\_\_\_ (feet)

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

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-1LV</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *42.0* (gallons) Disposal: *ROMEC*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: *N*

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



### GROUNDWATER PURGE AND SAMPLE

Project Name: *Exxon 7-3399*

Well No: *MW-13*

Date: 12/28/2000

Project No: *UP3399.1*

Personnel: *JO/AE*

#### GAUGING DATA

Water Level Measuring Method:

Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	<i>70.85</i>	<i>-</i>	<i>45.15</i>	<i>=</i>	<i>15.7</i>	<i>X</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>4.1</i>	<i>=</i>
						0.04	0.16	0.64	1.44			

#### PURGING DATA

Purge Method: *Submersible Pump*

Purge Depth: *Screen*

Purge Rate: (gpm)

Time	9:20	9:32	9:34			
Volume Purge (gal)	<i>5.0</i>	<i>10.0</i>	<i>15.0</i>			
Temperature (C)	<i>17.8</i>	<i>17.9</i>	<i>17.9</i>			
pH	<i>6.98</i>	<i>7.01</i>	<i>7.01</i>			
Spec. Cond. (umhos)	<i>2.00</i>	<i>1.98</i>	<i>1.99</i>			
Turbidity/Color	<i>/</i>	<i>/</i>	<i>/</i>			
Odor (Y/N)	<i>N</i>	<i>/</i>	<i>/</i>			
Casing Volumes	<i>N</i>	<i>/</i>	<i>/</i>			
Dewatered (Y/N)	<i>N</i>	<i>/</i>	<i>/</i>			

Comments/Observations:

#### SAMPLING DATA

Time Sampled: *9:45*

Approximate Depth to Water During Sampling: (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-13</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	<i>/</i>	<i>TPH-g, BTEX, MTBE</i>
					<i>/</i>	
					<i>/</i>	

Total Purge Volume: (gallons)

Disposal: *ROWIC*

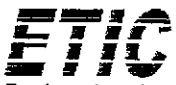
Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *Wowic*

Problems Encountered During Purging and Sampling:

Comments:



Engineering, Inc.

### GROUNDWATER PURGE AND SAMPLE

Project Name: *Exxon 7-3399* Well No: *MW-141* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

#### GAUGING DATA

Water Level Measuring Method:

Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	<i>128.47</i>	<i>-</i>	<i>45.09</i>	<i>=</i>	<i>83.38</i>	<i>X</i>	<i>1</i>	<i>(2)</i>	<i>4</i>	<i>6</i>	<i>13.3</i>	<i>=</i>
						0.04	0.16	0.64	1.44			

#### PURGING DATA

Purge Method: *Submersible Pump* Purge Depth: *Screen* Purge Rate: *(gpm)*

Time	839	843	847			
Volume Purge (gal)	<i>14.0</i>	<i>28.0</i>	<i>42.0</i>			
Temperature (C)	<i>17.6</i>	<i>17.4</i>	<i>17.4</i>			
pH	<i>7.29</i>	<i>7.30</i>	<i>7.31</i>			
Spec. Cond. (umhos)	<i>1.12</i>	<i>0.98</i>	<i>0.98</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>W</i>	<i>W</i>	<i>W</i>			
Casing Volumes	<i>5.1Hy</i>	<i>5.1Hy</i>	<i>5.1Hy</i>			
Dewatered (Y/N)	<i>W</i>	<i>W</i>	<i>W</i>			

Comments/Observations:

#### SAMPLING DATA

Time Sampled: *855* Approximate Depth to Water During Sampling: *45.18* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>MW-141</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *(gallons)* Disposal: *RWMEC*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *WALL IN BOX*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: *11*

Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399* Well No: *DMW-2* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

**GAUGING DATA**

Water Level Measuring Method:

Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	<i>15.74</i>	<i>11.85</i>	<i>4.52</i>	<i>3.89</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>2.4</i>
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: *HAND BORED* Submersible Pump Purge Depth: Screen Purge Rate: (gpm)

Time	1345	1346	1348			
Volume Purge (gal)	<i>3.0</i>	<i>6.0</i>	<i>9.0</i>			
Temperature (C)	<i>18.5</i>	<i>18.6</i>	<i>18.7</i>			
pH	<i>6.98</i>	<i>6.90</i>	<i>6.90</i>			
Spec. Cond. (umhos)	<i>1.54</i>	<i>1.60</i>	<i>1.61</i>			
Turbidity/Color	/					
Odor (Y/N)	N					
Casing Volumes	Clear					
Dewatered (Y/N)	N					

Comments/Observations:

**SAMPLING DATA**

Time Sampled: *1400* Approximate Depth to Water During Sampling: *1208* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>DMW-2</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *9.0* (gallons) Disposal: *ROWEC*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction:

Problems Encountered During Purging and Sampling: *None*

Comments:



## GROUNDWATER PURGE AND SAMPLE

Project Name: <i>Exxon 7-3399</i>	Well No: <i>pmw-3</i>	Date: <i>12/28/2000</i>
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

**GAUGING DATA**  
 Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	$15.42 - 12.20 = 3.22 \times \begin{matrix} 1 \\ 0.04 \end{matrix} \begin{matrix} 2 \\ 0.16 \end{matrix} \begin{matrix} 4 \\ 0.64 \end{matrix} \begin{matrix} 6 \\ 1.44 \end{matrix}$								$2.0 = 6.0$

**PURGING DATA**

Purge Method: *Hand Bawl Submersible Pump* Purge Depth: \_\_\_\_\_ Screen \_\_\_\_\_ Purge Rate: \_\_\_\_\_ (gpm)

Time	1325	1326	1326			
Volume Purge (gal)	<i>2.0</i>	<i>4.0</i>	<i>6.0</i>			
Temperature (C)	<i>18.5</i>	<i>18.6</i>	<i>18.6</i>			
pH	<i>6.80</i>	<i>6.84</i>	<i>6.84</i>			
Spec. Cond. (umhos)	<i>2.00</i>	<i>1.94</i>	<i>1.96</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>W</i>	<i>W</i>	<i>W</i>			
Casing Volumes	/					
Dewatered (Y/N)	<i>W</i>					

Comments/Observations: \_\_\_\_\_

**SAMPLING DATA**

Time Sampled: *1340* Approximate Depth to Water During Sampling: *12.80* (feet)

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

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>pmw-3</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *6.0* (gallons) Disposal: *RMSC*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Good*

Well Head Conditions Requiring Correction: *None*

Problems Encountered During Purging and Sampling: *-1*

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



Engineering, Inc.

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399* Well No: *PMW-5* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

**GAUGING DATA**

Water Level Measuring Method:

Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	<i>14.68</i>	<i>12.48</i>	<i>2.2</i>	<i>X</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>1.4</i>
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: *Submersible Pump* Purge Depth: *Screen* Purge Rate: *(gpm)*

Time	1240	1241	1244			
Volume Purge (gal)	<i>2.0</i>	<i>4.0</i>	<i>6.0</i>			
Temperature (C)	<i>19.8</i>	<i>19.6</i>	<i>19.6</i>			
pH	<i>11.79</i>	<i>11.78</i>	<i>11.78</i>			
Spec. Cond. (umhos)	<i>2.08</i>	<i>2.09</i>	<i>2.08</i>			
Turbidity/Color	<i>/</i>	<i>/</i>	<i>/</i>			
Odor (Y/N)	<i>N</i>	<i>/</i>	<i>/</i>			
Casing Volumes	<i>Clear</i>	<i>/</i>	<i>/</i>			
Dewatered (Y/N)	<i>N</i>	<i>N</i>	<i>YES</i>			

Comments/Observations: *WATER IN BOX*

**SAMPLING DATA**

Time Sampled: *1250* Approximate Depth to Water During Sampling: *1300* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>PMW-5</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	<i>/</i>	<i>TPH-g, BTEX, MTBE</i>
					<i>/</i>	
					<i>/</i>	

Total Purge Volume: *6.0* (gallons) Disposal: *RMEL*

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *WATER IN BOX*

Well Head Conditions Requiring Correction: *WOWZ*

Problems Encountered During Purging and Sampling: */*

Comments:



**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399* Well No: *VE-1* Date: *12/28/2000*  
 Project No: *UP3399.1* Personnel: *JO/AE*

**GAUGING DATA**  
 Water Level Measuring Method: \_\_\_\_\_ Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	<i>30.85</i>	<i>-</i>	<i>21.85</i>	<i>=</i>	<i>9.00</i>	<i>X</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>5.7</i>	<i>=</i>
						0.04	0.16	0.64	1.44			

**PURGING DATA**  
 Purge Method: *Hand Sailed* / ~~Submersible Pump~~ Purge Depth: *Screen* Purge Rate: \_\_\_\_\_ (gpm)

Time	1101	1104				
Volume Purge (gal)	<i>6.0</i>	<i>18.0</i>				
Temperature (C)	<i>18.1</i>	<i>18.6</i>	<i>1'</i>			
pH	<i>6.78</i>	<i>6.83</i>				
Spec. Cond. (umhos)	<i>1.86</i>	<i>1.85</i>				
Turbidity/Color	/	/	/	/	/	/
Odor (Y/N)	<i>N</i>	<i>N</i>				
Casing Volumes	<i>Chen</i>					
Dewatered (Y/N)	<i>N</i>	<i>Yes</i>	<i>Yes</i>			

Comments/Observations: \_\_\_\_\_

**SAMPLING DATA**  
 Time Sampled: *1115* Approximate Depth to Water During Sampling: *23.00* (feet)  
 Comments: \_\_\_\_\_

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>VE-1</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *18.0* (gallons) Disposal: *ROW/EC*  
 Weather Conditions: *Clear*  
 Condition of Well Box and Casing at Time of Sampling: *Good*  
 Well Head Conditions Requiring Correction: *None*  
 Problems Encountered During Purging and Sampling: \_\_\_\_\_  
 Comments: \_\_\_\_\_





## GROUNDWATER PURGE AND SAMPLE

Project Name: <i>Exxon 7-3399</i>	Well No: <i>UR-2</i>	Date: <i>12/28/2000</i>
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

### GAUGING DATA

Water Level Measuring Method:

Measuring Point Description: *TOC*

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	$43.51 - 42.55 = 0.96 \times \begin{matrix} 1 \\ 0.04 \end{matrix} \begin{matrix} 2 \\ 0.16 \end{matrix} \begin{matrix} 4 \\ 0.64 \end{matrix} \begin{matrix} 6 \\ 1.44 \end{matrix}$	<i>43.51</i>	<i>42.55</i>	<i>0.96</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>0.15</i>

### PURGING DATA

*Hand Pump*

Purge Method: *Submersible Pump*

Purge Depth:      Screen      Purge Rate:      (gpm)

Time:	<i>1245</i>	<i>1245</i>				
Volume Purge (gal):	<i>0.15</i>	<i>0.30</i>				
Temperature (C):	<i>20.0</i>	<i>29.7</i>				
pH:	<i>7.48</i>	<i>7.50</i>				
Spec. Cond. (umhos):	<i>2.00</i>	<i>1.58</i>				
Turbidity/Color:	/					
Odor (Y/N):	<i>N</i>	<i>N</i>				
Casing Volumes:	<i>2.1h</i>	/				
Dewatered (Y/N):	<i>N</i>	<i>YES</i>				

Comments/Observations:

### SAMPLING DATA

Time Sampled: *1300*

Approximate Depth to Water During Sampling:      (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (ml or L)	Turbidity/ Color	Analysis Method
<i>UR-2</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume:      (gallons)

Disposal:

Weather Conditions: *Clear*

Condition of Well Box and Casing at Time of Sampling: *Water in Box*

Well Head Conditions Requiring Correction: *h*

Problems Encountered During Purging and Sampling: *h*

Comments:



## GROUNDWATER PURGE AND SAMPLE

Project Name: <i>Exxon 7-3399</i>	Well No: <i>GW-2</i>	Date: 12/28/2000
Project No: <i>UP3399.1</i>	Personnel: <i>JO/AE</i>	

GAUGING DATA										
Water Level Measuring Method:				Measuring Point Description: <i>TOC</i>						
WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter:				Casing Volume (gal)	Total Purge Volume (gal)	
	<i>12.74</i>	<i>- 11.1</i>	<i>= 1.63</i>	<i>X</i>	1	2	4	6	<i>1.0</i>	<i>= 3.0</i>
					0.04	0.16	0.64	1.44		

PURGING DATA						
Purge Method: <i>Hand Bored Submersible Pump</i>	Purge Depth:	Screen	Purge Rate:	(gpm)		
Time	<i>1020</i>	<i>1021</i>	<i>1022</i>			
Volume Purge (gal)	<i>1.0</i>	<i>2.0</i>	<i>3.0</i>			
Temperature (C)	<i>21.0</i>	<i>21.1</i>	<i>21.1</i>			
pH	<i>7.05</i>	<i>7.05</i>	<i>7.05</i>			
Spec. Cond. (umhos)	<i>1.03</i>	<i>1.02</i>	<i>1.02</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			
Casing Volumes	<i>Check</i>					
Dewatered (Y/N)	<i>N</i>	<i>N</i>	<i>YES</i>			
Comments/Observations:						

SAMPLING DATA						
Time Sampled: <i>1030</i>	Approximate Depth to Water During Sampling: <i>12.00</i> (feet)					
Comments:						
Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>GW-2</i>	<i>6</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: (gallons)	<i>3.0</i>	Disposal: <i>LOWIC</i>
Weather Conditions: <i>Clear</i>		
Condition of Well Box and Casing at Time of Sampling: <i>new</i>		
Well Head Conditions Requiring Correction: <i>none</i>		
Problems Encountered During Purging and Sampling: <i>r</i>		
Comments:		

**Appendix B**

**Laboratory Analytical Reports**



# Sequoia Analytical

885 Jarvis Drive  
Morgan Hill, CA 95037  
(408) 776-9600  
FAX (408) 782-6308  
www.sequoialabs.com

15 January, 2001

Joe Muehleck  
ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill, CA 94523

RE: Exxon  
Sequoia Report: MKA0089

Enclosed are the results of analyses for samples received by the laboratory on 01/03/01 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew  
Project Manager

CA ELAP Certificate #1210

Received

JAN 18 2001

ETIC Engineering Inc.





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5D	MKA0089-01	Water	12/28/00 09:10	01/03/01 14:15
MW-5S	MKA0089-02	Water	12/28/00 09:25	01/03/01 14:15
MW-9A	MKA0089-03	Water	12/28/00 13:20	01/03/01 14:15
MW-13	MKA0089-04	Water	12/28/00 09:45	01/03/01 14:15
MW-12A	MKA0089-05	Water	12/28/00 09:55	01/03/01 14:15
MW-14	MKA0089-06	Water	12/28/00 08:55	01/03/01 14:15
MW-4	MKA0089-07	Water	12/28/00 12:35	01/03/01 14:15
PMW-2	MKA0089-08	Water	12/28/00 14:00	01/03/01 14:15
PMW-3	MKA0089-09	Water	12/28/00 13:40	01/03/01 14:15
MW-1	MKA0089-10	Water	12/28/00 13:45	01/03/01 14:15
MW-7	MKA0089-11	Water	12/28/00 12:45	01/03/01 14:15
MW-8	MKA0089-12	Water	12/28/00 11:00	01/03/01 14:15
MW-11	MKA0089-13	Water	12/28/00 11:45	01/03/01 14:15
VR-1	MKA0089-14	Water	12/28/00 11:15	01/03/01 14:15
VR-2	MKA0089-15	Water	12/28/00 13:00	01/03/01 14:15
MW-10	MKA0089-16	Water	12/28/00 11:10	01/03/01 14:15
PMW-5	MKA0089-17	Water	12/28/00 12:50	01/03/01 14:15
OW-2	MKA0089-18	Water	12/28/00 10:30	01/03/01 14:15

Sequoia Analytical - Morgan Hill

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Ron Chew, Project Manager





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA. 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

Reported:  
01/15/01 19:12

## Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-5D (MKA0089-01) Water</b> Sampled: 12/28/00 09:10 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	70-130	"	"	"	"	"	
<b>MW-5S (MKA0089-02) Water</b> Sampled: 12/28/00 09:25 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %	70-130	"	"	"	"	"	
<b>MW-9A (MKA0089-03) Water</b> Sampled: 12/28/00 13:20 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	1040	100	ug/l	2	1A10002	01/10/01	01/10/01	DHS LUFT	P-01
Benzene	14.5	1.00	"	"	"	"	"	"	
Toluene	3.75	1.00	"	"	"	"	"	"	
Ethylbenzene	26.4	1.00	"	"	"	"	"	"	
Xylenes (total)	37.4	1.00	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %	70-130	"	"	"	"	"	
<b>MW-13 (MKA0089-04) Water</b> Sampled: 12/28/00 09:45 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
Benzene	1.19	0.500	"	"	"	"	"	"	
Toluene	1.05	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	1.25	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %	70-130	"	"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-12A (MKA0089-05) Water</b> Sampled: 12/28/00 09:55 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		97.7 %	70-130	"	"	"	"	"	
<b>MW-14 (MKA0089-06) Water</b> Sampled: 12/28/00 08:55 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
<b>Benzene</b>	<b>2.04</b>	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	0.740	0.500	"	"	"	"	"	"	
Xylenes (total)	1.78	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	70-130	"	"	"	"	"	
<b>MW-4 (MKA0089-07) Water</b> Sampled: 12/28/00 12:35 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		99.4 %	70-130	"	"	"	"	"	
<b>PMW-2 (MKA0089-08) Water</b> Sampled: 12/28/00 14:00 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	445	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	70-130	"	"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**PMW-3 (MKA0089-09) Water** Sampled: 12/28/00 13:40 Received: 01/03/01 14:15

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10004	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 102 % 70-130 " " " "

**MW-1 (MKA0089-10) Water** Sampled: 12/28/00 13:45 Received: 01/03/01 14:15

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 94.0 % 70-130 " " " "

**MW-7 (MKA0089-11) Water** Sampled: 12/28/00 12:45 Received: 01/03/01 14:15

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 96.9 % 70-130 " " " "

**MW-8 (MKA0089-12) Water** Sampled: 12/28/00 11:00 Received: 01/03/01 14:15

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	1.03	0.500	"	"	"	"	"	"	
Toluene	1.25	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	1.76	0.500	"	"	"	"	"	"	

Surrogate: a,a,a-Trifluorotoluene 99.9 % 70-130 " " " "







ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

Reported:  
01/15/01 19:12

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**MW-11 (MKA0089-13) Water Sampled: 12/28/00 11:45 Received: 01/03/01 14:15**

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		97.1 %		70-130	"	"	"	"	

**VR-1 (MKA0089-14) Water Sampled: 12/28/00 11:15 Received: 01/03/01 14:15**

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.5 %		70-130	"	"	"	"	

**VR-2 (MKA0089-15) Water Sampled: 12/28/00 13:00 Received: 01/03/01 14:15**

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.2 %		70-130	"	"	"	"	

**MW-10 (MKA0089-16) Water Sampled: 12/28/00 11:10 Received: 01/03/01 14:15**

Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.7 %		70-130	"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PMW-5 (MKA0089-17) Water</b> Sampled: 12/28/00 12:50 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A11003	01/11/01	01/11/01	DHS LUFT	
Benzene	1.93	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		85.6 %	70-130		"	"	"	"	
<b>OW-2 (MKA0089-18) Water</b> Sampled: 12/28/00 10:30 Received: 01/03/01 14:15									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A10002	01/10/01	01/10/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.2 %	70-130		"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
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Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

Reported:  
01/15/01 19:12

## MTBE by EPA Method 8260B Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-5D (MKA0089-01) Water</b> Sampled: 12/28/00 09:10 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	76-114		"	"	"	"	
<b>MW-5S (MKA0089-02) Water</b> Sampled: 12/28/00 09:25 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		102 %	76-114		"	"	"	"	
<b>MW-9A (MKA0089-03) Water</b> Sampled: 12/28/00 13:20 Received: 01/03/01 14:15									
Methyl tert-butyl ether	65.5	5.00	ug/l	2.5	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		102 %	76-114		"	"	"	"	
<b>MW-13 (MKA0089-04) Water</b> Sampled: 12/28/00 09:45 Received: 01/03/01 14:15									
Methyl tert-butyl ether	2.17	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	76-114		"	"	"	"	
<b>MW-12A (MKA0089-05) Water</b> Sampled: 12/28/00 09:55 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		104 %	76-114		"	"	"	"	
<b>MW-14 (MKA0089-06) Water</b> Sampled: 12/28/00 08:55 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		101 %	76-114		"	"	"	"	
<b>MW-4 (MKA0089-07) Water</b> Sampled: 12/28/00 12:35 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010029	01/11/01	01/11/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		102 %	76-114		"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
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Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

**MTBE by EPA Method 8260B  
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>PMW-2 (MKA0089-08) Water</b> Sampled: 12/28/00 14:00 Received: 01/03/01 14:15									
Methyl tert-butyl ether	234	6.66	ug/l	3.33	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	76-114		"	"	"	"	
<b>PMW-3 (MKA0089-09) Water</b> Sampled: 12/28/00 13:40 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		101 %	76-114		"	"	"	"	
<b>MW-1 (MKA0089-10) Water</b> Sampled: 12/28/00 13:45 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	76-114		"	"	"	"	
<b>MW-7 (MKA0089-11) Water</b> Sampled: 12/28/00 12:45 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	76-114		"	"	"	"	
<b>MW-8 (MKA0089-12) Water</b> Sampled: 12/28/00 11:00 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		104 %	76-114		"	"	"	"	
<b>MW-11 (MKA0089-13) Water</b> Sampled: 12/28/00 11:45 Received: 01/03/01 14:15									
Methyl tert-butyl ether	5.71	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		100 %	76-114		"	"	"	"	
<b>WR-1 (MKA0089-14) Water</b> Sampled: 12/28/00 11:15 Received: 01/03/01 14:15									
Methyl tert-butyl ether	200	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	76-114		"	"	"	"	





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01/15/01 19:12

**MTBE by EPA Method 8260B  
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>VR-2 (MKA0089-15) Water</b> Sampled: 12/28/00 13:00 Received: 01/03/01 14:15									
Methyl tert-butyl ether	10.6	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	76-114		"	"	"	"	
<b>MW-10 (MKA0089-16) Water</b> Sampled: 12/28/00 11:10 Received: 01/03/01 14:15									
Methyl tert-butyl ether	ND	2.00	ug/l	1	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	76-114		"	"	"	"	
<b>PMW-5 (MKA0089-17) Water</b> Sampled: 12/28/00 12:50 Received: 01/03/01 14:15									
Methyl tert-butyl ether	919	10.0	ug/l	5	1010034	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		104 %	76-114		"	"	"	"	
<b>OW-2 (MKA0089-18) Water</b> Sampled: 12/28/00 10:30 Received: 01/03/01 14:15									
Methyl tert-butyl ether	4520	50.0	ug/l	25	1010040	01/10/01	01/10/01	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		108 %	76-114		"	"	"	"	





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## Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 1A10002 - EPA 5030B [P/T]

#### Blank (1A10002-BLK1)

Prepared & Analyzed: 01/10/01

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Surrogate: a,a,a-Trifluorotoluene	9.49		"	10.0		94.9	70-130			

#### LCS (1A10002-BS1)

Prepared & Analyzed: 01/10/01

Purgeable Hydrocarbons	248	50.0	ug/l	250		99.2	70-130			
Surrogate: a,a,a-Trifluorotoluene	9.19		"	10.0		91.9	70-130			

#### Matrix Spike (1A10002-MS1)

Source: MKA0089-10

Prepared & Analyzed: 01/10/01

Purgeable Hydrocarbons	258	50.0	ug/l	250	ND	103	60-140			
Surrogate: a,a,a-Trifluorotoluene	9.99		"	10.0		99.9	70-130			

#### Matrix Spike Dup (1A10002-MSD1)

Source: MKA0089-10

Prepared & Analyzed: 01/10/01

Purgeable Hydrocarbons	256	50.0	ug/l	250	ND	102	60-140	0.778	25	
Surrogate: a,a,a-Trifluorotoluene	9.60		"	10.0		96.0	70-130			

### Batch 1A10004 - EPA 5030B [P/T]

#### Blank (1A10004-BLK1)

Prepared & Analyzed: 01/10/01

Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Surrogate: a,a,a-Trifluorotoluene	10.2		"	10.0		102	70-130			





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

Reported:  
01/15/01 19:12

## Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1A10004 - EPA 5030B [P/T]</b>										
<b>LCS (1A10004-BS1)</b>										
Prepared & Analyzed: 01/10/01										
Benzene	10.8	0.500	ug/l	10.0		108	70-130			
Toluene	10.4	0.500	"	10.0		104	70-130			
Ethylbenzene	10.2	0.500	"	10.0		102	70-130			
Xylenes (total)	31.4	0.500	"	30.0		105	70-130			
Surrogate: a,a,a-Trifluorotoluene	10.1		"	10.0		101	70-130			
<b>Matrix Spike (1A10004-MS1)</b>										
Source: MKA0089-01										
Prepared & Analyzed: 01/10/01										
Benzene	11.0	0.500	ug/l	10.0	ND	110	60-140			
Toluene	10.5	0.500	"	10.0	ND	105	60-140			
Ethylbenzene	10.4	0.500	"	10.0	ND	104	60-140			
Xylenes (total)	31.6	0.500	"	30.0	ND	105	60-140			
Surrogate: a,a,a-Trifluorotoluene	10.2		"	10.0		102	70-130			
<b>Matrix Spike Dup (1A10004-MSD1)</b>										
Source: MKA0089-01										
Prepared & Analyzed: 01/10/01										
Benzene	10.9	0.500	ug/l	10.0	ND	109	60-140	0.913	25	
Toluene	10.4	0.500	"	10.0	ND	104	60-140	0.957	25	
Ethylbenzene	10.3	0.500	"	10.0	ND	103	60-140	0.966	25	
Xylenes (total)	31.4	0.500	"	30.0	ND	105	60-140	0.635	25	
Surrogate: a,a,a-Trifluorotoluene	10.1		"	10.0		101	70-130			
<b>Batch 1A11003 - EPA 5030B [P/T]</b>										
<b>Blank (1A11003-BLK1)</b>										
Prepared & Analyzed: 01/11/01										
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Surrogate: a,a,a-Trifluorotoluene	8.95		"	10.0		89.5	70-130			



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2285 Morello Avenue  
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Project: Exxon  
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Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

## Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1A11003 - EPA 5030B [P/T]</b>										
<b>LCS (1A11003-BS1)</b>										
Prepared & Analyzed: 01/11/01										
Purgeable Hydrocarbons	249	50.0	ug/l	250		99.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	10.9		"	10.0		109	70-130			
<b>Matrix Spike (1A11003-MS1)</b>										
Source: MKA0135-01 Prepared & Analyzed: 01/11/01										
Purgeable Hydrocarbons	256	50.0	ug/l	250	ND	102	60-140			
Surrogate: a,a,a-Trifluorotoluene	10.6		"	10.0		106	70-130			
<b>Matrix Spike Dup (1A11003-MSD1)</b>										
Source: MKA0135-01 Prepared & Analyzed: 01/11/01										
Purgeable Hydrocarbons	229	50.0	ug/l	250	ND	91.6	60-140	11.1	25	
Surrogate: a,a,a-Trifluorotoluene	11.0		"	10.0		110	70-130			







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01/15/01 19:12

**MTBE by EPA Method 8260B - Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1010029 - EPA 5030B [P/T]**

**Blank (1010029-BLK1)**

Prepared & Analyzed: 01/08/01

Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	49.2		"	50.0		98.4	76-114			

**Blank (1010029-BLK2)**

Prepared & Analyzed: 01/11/01

Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	49.4		"	50.0		98.8	76-114			

**LCS (1010029-BS1)**

Prepared & Analyzed: 01/08/01

Methyl tert-butyl ether	41.4	2.00	ug/l	50.0		82.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	49.1		"	50.0		98.2	76-114			

**LCS (1010029-BS2)**

Prepared & Analyzed: 01/11/01

Methyl tert-butyl ether	42.3	2.00	ug/l	50.0		84.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	50.1		"	50.0		100	76-114			

**Matrix Spike (1010029-MS1)**

Source: L101023-04

Prepared & Analyzed: 01/08/01

Methyl tert-butyl ether	78.3	2.00	ug/l	50.0	37.3	82.0	60-140			
Surrogate: 1,2-Dichloroethane-d4	51.5		"	50.0		103	76-114			

**Matrix Spike Dup (1010029-MSD1)**

Source: L101023-04

Prepared & Analyzed: 01/08/01

Methyl tert-butyl ether	75.9	2.00	ug/l	50.0	37.3	77.2	60-140	3.11	25	
Surrogate: 1,2-Dichloroethane-d4	52.6		"	50.0		105	76-114			

**Batch 1010034 - EPA 5030B [P/T]**

**Blank (1010034-BLK1)**

Prepared & Analyzed: 01/10/01

Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	50.9		"	50.0		102	76-114			





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Pleasant Hill CA, 94523

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Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

## MTBE by EPA Method 8260B - Quality Control Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 1010034 - EPA 5030B [P/T]

#### Blank (1010034-BLK2)

Prepared & Analyzed: 01/10/01

Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	50.1		"	50.0		100	76-114			

#### LCS (1010034-BS1)

Prepared & Analyzed: 01/10/01

Methyl tert-butyl ether	51.3	2.00	ug/l	50.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	49.6		"	50.0		99.2	76-114			

#### LCS (1010034-BS2)

Prepared & Analyzed: 01/10/01

Methyl tert-butyl ether	54.3	2.00	ug/l	50.0		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	52.7		"	50.0		105	76-114			

#### Matrix Spike (1010034-MS1)

Source: MKA0089-02

Prepared & Analyzed: 01/10/01

Methyl tert-butyl ether	49.2	2.00	ug/l	50.0	ND	98.4	60-140			
Surrogate: 1,2-Dichloroethane-d4	51.5		"	50.0		103	76-114			

#### Matrix Spike Dup (1010034-MSD1)

Source: MKA0089-02

Prepared & Analyzed: 01/10/01

Methyl tert-butyl ether	50.6	2.00	ug/l	50.0	ND	101	60-140	2.81	25	
Surrogate: 1,2-Dichloroethane-d4	50.9		"	50.0		102	76-114			

### Batch 1010040 - EPA 5030B [P/T]

#### Blank (1010040-BLK1)

Prepared & Analyzed: 01/10/01

Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	50.1		"	50.0		100	76-114			

#### Blank (1010040-BLK2)

Prepared & Analyzed: 01/11/01

Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	51.3		"	50.0		103	76-114			





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01/15/01 19:12

**MTBE by EPA Method 8260B - Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Notes
<b>Batch 1010040 - EPA 5030B [P/T]</b>									
<b>LCS (1010040-BS1)</b>									
				Prepared & Analyzed: 01/10/01					
Methyl tert-butyl ether	54.3	2.00	ug/l	50.0		109		70-130	
Surrogate: 1,2-Dichloroethane-d4	52.7		"	50.0		105		76-114	
<b>LCS (1010040-BS2)</b>									
				Prepared & Analyzed: 01/11/01					
Methyl tert-butyl ether	49.1	2.00	ug/l	50.0		98.2		70-130	
Surrogate: 1,2-Dichloroethane-d4	50.6		"	50.0		101		76-114	
<b>Matrix Spike (1010040-MS1)</b>									
		Source: L101053-03		Prepared: 01/10/01 Analyzed: 01/11/01					
Methyl tert-butyl ether	54.3	2.00	ug/l	50.0	ND	109		60-140	
Surrogate: 1,2-Dichloroethane-d4	52.0		"	50.0		104		76-114	
<b>Matrix Spike Dup (1010040-MSD1)</b>									
		Source: L101053-03		Prepared: 01/10/01 Analyzed: 01/11/01					
Methyl tert-butyl ether	48.6	2.00	ug/l	50.0	ND	97.2	11.1	60-140	25
Surrogate: 1,2-Dichloroethane-d4	50.5		"	50.0		101		76-114	





ETIC Engineering Inc - WC (Exxon)  
2285 Morello Avenue  
Pleasant Hill CA, 94523

Project: Exxon  
Project Number: 7-3399  
Project Manager: Joe Muehleck

**Reported:**  
01/15/01 19:12

### Notes and Definitions

P-01      Chromatogram Pattern: Gasoline C6-C12  
DET      Analyte DETECTED  
ND      Analyte NOT DETECTED at or above the reporting limit  
NR      Not Reported  
dry      Sample results reported on a dry weight basis  
RPD      Relative Percent Difference





Sequoia Analytical  
680 Chilesapeake Dr.  
Redwood City, CA 94063  
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

P.O. Box 2180, Houston, TX 77002-7426

CHAIN OF CUSTODY

Consultant's Name: ETIC Page 1 of 2

Address: 2285 Morello Ave Pleasant Hill CA 94523 Site Location: 2991 Hopwood Rd

Project #: \_\_\_\_\_ Consultant Project #: UP3599.1 Consultant Work Release #: 20002958

Project Contact: Joe Muehleck Phone #: (925) 602-4710 Laboratory Work Release #: \_\_\_\_\_

EXXON Contact: DARIN ROUSE Phone #: (925) 246-8768 EXXON RAS #: 7-3399

Sampled by (print): John Ortega Sampler's Signature: John Ortega Pleasanton, CA

Shipment Method: \_\_\_\_\_ Air Bill #: \_\_\_\_\_

TAT:  24 hr  48 hr  72 hr  96 hr  Standard (10 day) ANALYSIS REQUIRED MKA0089

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED				Temperature: _____	
							TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE 8260	Inbound Seal: Yes No	Outbound Seal: Yes No
✓ MW-SD	12/28/00	910	H <sub>2</sub> O	NCI	6	01	X			X		
✓ MW-SS		925				02	X			X		
✓ MW-9A		1320				03	X			X		
✓ MW-13		945				04	X			X		
✓ MW-12A		955				05	X			X		
✓ MW-14		855				06	X			X		
✓ MW-4		1235				07	X			X		
✓ PMW-2		1400				08	X			X		
✓ PMW-3		1340				09	X			X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>John Ortega</u>	1/5/01	14:15	<u>SEQUOIA</u>	1/3/01	14:15	MTBE by B260
<u>SEQUOIA</u>	1/9/01		<u>SEQUOIA</u>	1-4	0100	
<u>SEQUOIA</u>	1-4		<u>SEQUOIA</u>	1-4	1938	

Pink - Client  
Yellow - Sequoia  
White - Sequoia



Sequoia Analytical  
680 Chesapeake Dr.  
Redwood City, CA 94063  
(650) 364-9600 • FAX (650) 364-9233

**EXXON COMPANY, U.S.A.**

P.O. Box 2180, Houston, TX 77002-7426

**CHAIN OF CUSTODY**

Consultant's Name: <b>ETIC</b>		Page <u>2</u> of <u>2</u>
Address: <u>2285 Morello Ave, Pleasant Hill CA 94523</u>		Site Location: <u>2991 Hopejard Rd</u>
Project #:	Consultant Project #: <u>UP 3399.1</u>	Consultant Work Release #: <u>20002958</u>
Project Contact: <u>Joe Muehleck</u>	Phone #: <u>(925) 602-4710</u>	Laboratory Work Release #:
EXXON Contact: <u>DARIN ROVER</u>	Phone #: <u>(925) 246-8768</u>	EXXON RAS #: <u>7-3399</u>
Sampled by (print): <u>John Ortega</u>	Sampler's Signature: <u>John Ortega</u>	<u>Pleasanton, CA</u>
Shipment Method:	Air Bill #:	

TAT:  24 hr  48 hr  72 hr  96 hr  Standard (10 day)

**ANALYSIS REQUIRED**

MKA0089

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/8015/8020	TPH/Diesel EPA 8015	TRPH S.M. 5520	MTBE by 8260	Temperature: _____	
											Inbound Seal: Yes No	Outbound Seal: Yes No
<u>1 MW-1</u>	<u>12/28/00</u>	<u>1345</u>	<u>H<sub>2</sub>O</u>	<u>HCL</u>	<u>6</u>	<u>10</u>	<u>X</u>			<u>X</u>		
<u>MW-7</u>		<u>1245</u>			<u>6</u>	<u>11</u>	<u>X</u>			<u>X</u>		
<u>MW-8</u>		<u>1100</u>			<u>6</u>	<u>12</u>	<u>X</u>			<u>X</u>		
<u>MW-11</u>		<u>1145</u>			<u>6</u>	<u>13</u>	<u>X</u>			<u>X</u>		
<u>VR-1</u>		<u>1115</u>			<u>6</u>	<u>14</u>	<u>X</u>			<u>X</u>		
<u>VR-2</u>		<u>1300</u>			<u>6</u>	<u>15</u>	<u>X</u>			<u>X</u>		
<u>MW-10</u> <del>H<sub>2</sub>O</del>		<u>1110</u>			<u>6</u>	<u>16</u>	<u>X</u>			<u>X</u>		
<u>PMW-5</u>		<u>1250</u>			<u>6</u>	<u>17</u>	<u>X</u>			<u>X</u>		
<u>OW-2</u>		<u>1030</u>			<u>6</u>	<u>18</u>	<u>X</u>			<u>X</u>		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>John Ortega</u> SEQ-WC	<u>1/3/01</u>	<u>14:15</u>	<u>RONALD C JENSEN</u> SEQ-WC	<u>1/3/01</u>	<u>14:15</u>	
<u>Ronald Jensen</u>	<u>1/4/01</u>			<u>1-4</u>	<u>1100</u>	
	<u>1-4</u>			<u>1-4</u>	<u>1938</u>	

Pink - Client

Yellow - Sequoia

White - Sequoia