



**Report of Groundwater Monitoring  
Third Quarter 2000**

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

Prepared for

ExxonMobil Refining and Supply Company  
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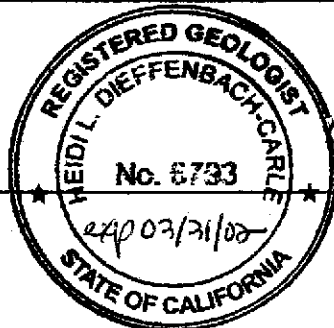
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12/13/00

Date

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December 5, 2000

Date

December 2000

## SITE CONTACTS

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Pleasanton, California

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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 as proposed in the Addendum to Work Plan for Well Installation submitted in August 2000. A report documenting the installation of the wells will be submitted under separate cover.

On 26 September 2000, groundwater was monitored in wells MW1, MW4, MW5D, MW5S, MW7-MW11, MW12A, MW13, MW14, PMW1-PMW5, 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-MW11, MW12A, MW13, MW14, PMW2, PMW3, PMW5, VR1, 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 to collect samples from wells OW1, PMW1, PMW4, and VR2.

## 2. SUMMARY OF RESULTS

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 26 September 2000 was to the east-southeast in the perched zone, with a gradient of approximately 0.04-0.06 calculated using wells PMW2, PMW3, and PMW5. The groundwater flow direction on 26 September 2000 was to the northwest at the water table (Zone 1), with a gradient of approximately 0.004 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. In addition, a field-prepared rinse blank was stored and transported in the cooler with the samples. All samples were handled and transported under chain of custody.

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 8260A. The results for these analyses are presented in boldface type, along with previous analytical data, in Table 1, and are shown in Figure 1. Copies of the field documents are included as Appendix A. The laboratory analytical report and chain-of-custody documentation are included in Appendix B.

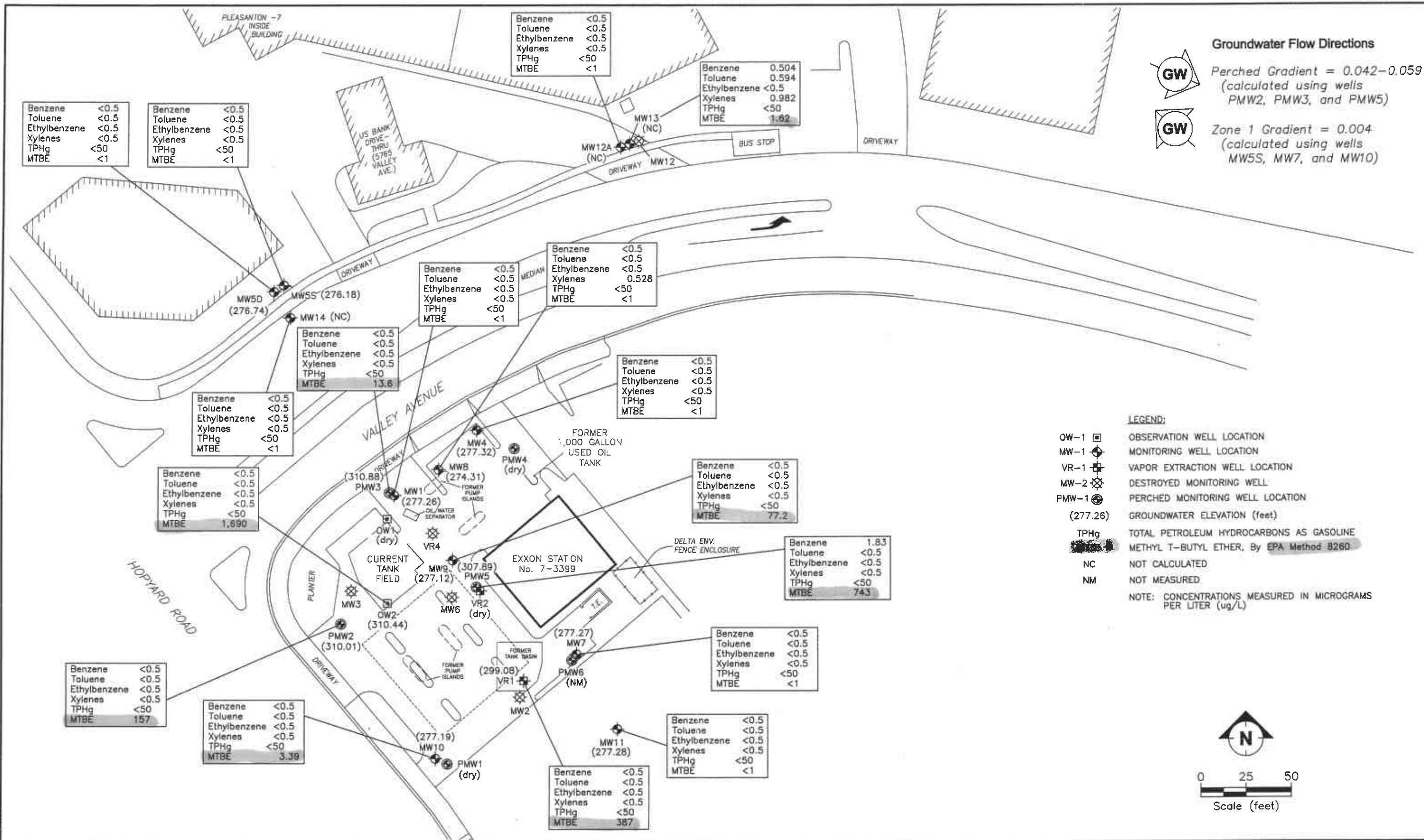
### **3. REMEDIATION SYSTEM**

The vapor extraction and air systems in place at the site are currently not being operated. Remedial alternatives which more aggressively address source concentrations of hydrocarbons and MTBE are being evaluated.

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

Groundwater in monitoring wells will be gauged and sampled in December 2000. Groundwater samples will be analyzed for TPH-g, BTEX, and MTBE.

Construction of a groundwater extraction system will begin.



**SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**FORMER EXXON RS 7-3399**  
**2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA**  
**26 SEPTEMBER 2000**

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
	01/09/90		49.31	272.13	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)
MW1	01/25/90	321.44	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
	01/26/93		NM	NC	NM	NS	NS	NS	NS	NS	NS
	02/16/93		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)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW1	03/11/93	321.44	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>
	03/31/99		28.10	293.34	0.00	<0.5	<0.5	<0.5	<0.5	<50	124/131 <sup>†</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



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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	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>
	<b>09/26/00</b>		<b>43.26</b>	<b>277.26</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;0.5</b>	<b>&lt;50</b>
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
	08/26/88		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

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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)
MW4	04/19/88	321.56	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
	12/20/89		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

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)
MW4	03/26/90	321.56	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
	02/16/93		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

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	09/30/93	321.56	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
	06/30/99		34.99	286.57	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.65/3.12 <sup>fh</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>

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	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
	08/03/89		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

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)
MW55	03/26/90	321.64	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
	11/09/92		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

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	10/28/93	321.64	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
	06/15/98		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>

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)
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
	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
	07/20/89		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



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)
MW5D	04/18/90	321.79	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
	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
	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

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)
MW5D	10/28/93	321.79	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
	02/28/97		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>

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)
MW5D	12/09/98	321.79	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>
	12/22/99		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>
	<b>09/26/00</b>		<b>45.05</b>	<b>276.74</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;1<sup>f</sup></b>
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

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	07/22/88	321.27	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
	11/28/89		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

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	03/24/92	321.27	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
	01/26/93		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

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	11/18/96	321.27	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	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	
	03/31/99		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>			
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	

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	07/30/90	321.86	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
	09/12/91		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

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	11/24/93	321.86	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>e</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
	05/09/95		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		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
Rinseate	09/23/97		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



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	12/09/98	321.86	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
	06/30/99		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>th</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>
	<b>09/26/00</b>		<b>47.55</b>	<b>274.31</b>	<b>0.00</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>0.528</b>	<b>&lt;50</b>	<b>&lt;1<sup>f</sup></b>
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

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	02/23/90	321.44	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
	05/17/90		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

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	08/15/93	321.44	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		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>	
<b>09/26/00</b>	<b>43.14</b>		<b>277.12</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>77.2<sup>f</sup></b>	
MW10	10/12/89	322.99	51.93	271.06	0.00	<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)
MW10	11/28/89	322.99	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
	02/16/93		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

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	04/12/93	322.99	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>c</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
	09/24/99		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

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	06/28/00	322.99	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>
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		
06/08/92	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

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	11/09/92	321.77	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
	09/23/97		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

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)
MW11	03/31/99	321.77	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>
MW12A	09/26/00		48.26	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <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>
MW14	09/26/00		46.90	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	<1 <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>
	09/26/00		21.92	299.08	0.00	<0.5	<0.5	<0.5	<0.5	<50	387 <sup>f</sup>
VR2	06/30/99		33.63	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,080/1,160 <sup>fh</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	320.18	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



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)
VR3	06/30/99		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	318.73	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		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	321.19	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		<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>
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>
	04/04/00		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		<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>1,690<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		<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		<b>12.36</b>	<b>310.01</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>157<sup>f</sup></b>
PMW3	12/22/99	321.27	12.61	308.66	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)
PMW3	04/04/00	321.27	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>
	<b>09/26/00</b>		<b>10.39</b>	<b>310.88</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>13.6<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>
	<b>09/26/00</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>
	<b>09/26/00</b>		<b>12.15</b>	<b>307.89</b>	<b>0.00</b>	<b>1.83</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>743<sup>f</sup></b>
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
	<b>09/26/00</b>		<b>NM</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>
Rinse Blank	<b>09/26/00</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;1<sup>f</sup></b>

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.

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)
-----------------	------	----------------------------	-----------------------	------------------------------	----------------------	----------------	----------------	----------------------	----------------------	------------------------	-------------

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**



Engineering, Inc.

Client: EXXON

Station No.: 7-3399

Project No.: ~~020~~ 003399

Task No.: 1

Sample Team: John Ortega / Keith Jones

Date: 9/26/00

No. of Drums on Site: Nil Water Nil Soil Nil Empty

• Summary:

\* ON SITE 830

\* Set up Decon + TRAFFIC CONTROL

\* OPEN ALL WELLS ALLOW TO EQUILIBRATE + GAUGE

PURGE + SAMPLE PORTS TO CLEANEST

\* PMW-4, UR-2, OW1, PMW-1 were Dry.

DID NOT SAMPLE

\* Closed all well + secure site

\* TAKE PURGE WATER TO ROMEC (OW 9/27/00)

RINSE BLANK TAKEN at 1140 AM - 300AS

LABIED RB-1

Depart 1730

MONITORING WELL DATA FORM

Client: Exxon

Date: 9/26/2000

Project Number: UP3399.3

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	45.05					77.50	4"
MW-5S	44.34					54.60	4"
PMW-2	12.36					15.74	4"
PMW-3	10.38					15.42	4"
PMW-4	15.81	Well Dry		No SAMPLE		15.72	4"
MW-1	43.86					55.15	4"
MW-7	44.00					57.55	4"
MW-8	47.55					137.90	4"
MW-11	44.45					58.30	4"
VR-1	21.92					30.85	4"
VR-2	42.52	Well Dry		No SAMPLE		43.51	2"
MW-10	45.80					58.30	4"
PMW-5	12.15					14.68	4"
OW1	11.99	Well Dry		No SAMPLE		12.40	4"
OW2	11.11					12.74	4"
MW-9	43.14					52.47	4"
PMW-6	not sampled					15.90	4"
PMW-1	15.34	No SAMPLE		well Dry		15.72	4"
MW-4	44.94					66.90	4"
MW-14	46.90					135.46	2"
MW-12A	48.26					128.47	2"
MW-13	45.62					70.85	2"

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399* Well No: *mw-1* Date: *9/26/00*  
 Project No: *TM3399.3 0P3399.1* Personnel: *30*

**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>55.15</i>	<i>-</i>	<i>43.26</i>	<i>=</i>	<i>11.89</i>	<i>x</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>8.0</i>	<i>=</i>
						0.04	0.16	0.64	1.44			

**PURGING DATA**

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

Time	1507	1507	1511			
Volume Purge (gal)	<i>8.0</i>	<i>16.0</i>	<i>24.0</i>			
Temperature (C)	<i>19.8</i>	<i>19.7</i>	<i>19.2</i>			
pH	<i>6.85</i>	<i>6.85</i>	<i>6.84</i>			
Spec. Cond. (umhos)	<i>2.47</i>	<i>2.47</i>	<i>2.47</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			
Casing Volumes	<i>Clear</i>	<i>Clear</i>	<i>Clear</i>			
Dewatered (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			

Comments/Observations:

**SAMPLING DATA**

Time Sampled: *1520* Approximate Depth to Water During Sampling: *43.38* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
<i>EXX</i> <i>mw-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: *LOWIC*

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: *MW-4*

Date: *9/26/00*

Project No: *773399-3 UP 3399.1*

Personnel: *SO*

## 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>44.24</i>	<i>22.66</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>15</i>	<i>45.0</i>
			<i>0.04</i>	<i>0.16</i>	<i>0.64</i>	<i>1.44</i>			

## PURGING DATA

Purge Method: *Submersible Pump*

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	1450	1453	1556			
Volume Purge (gal)	<i>15.0</i>	<i>30.0</i>	<i>45.0</i>			
Temperature (C)	<i>19.5</i>	<i>19.7</i>	<i>19.7</i>			
pH	<i>6.85</i>	<i>6.85</i>	<i>6.86</i>			
Spec. Cond. (umhos)	<i>2.39</i>	<i>2.40</i>	<i>2.39</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>W</i>	<i>W</i>	<i>W</i>			
Casing Volumes	<i>Clear</i>	<i>Clear</i>	<i>Clear</i>			
Dewatered (Y/N)	<i>W</i>	<i>W</i>	<i>W</i>			

Comments/Observations:

## SAMPLING DATA

Time Sampled:

Approximate Depth to Water During Sampling: *44.29 (feet)*

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
<i>MW-4 EX1</i>	<i>3</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
					/	
					/	

Total Purge Volume: *45.0 (gallons)*

Disposal: *LOWIC*

Weather Conditions: *Clear*

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

Well Head Conditions Requiring Correction: *Good*

Problems Encountered During Purging and Sampling: *None*

Comments:



**GROUNDWATER PURGE AND SAMPLE** MW-55

Project Name: Exxon 7-3399

Well No: MW-26

Date: 7/26/00

Project No: FMS3399.3 UP3399.1

Personnel: 30 MW-55

**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 - 44.34 = 10.26				1 0.04	2 0.16	4 0.64	6 1.44	7.0

**PURGING DATA**

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

Time	1212	1214	1216			
Volume Purge (gal)	7.0	14.0	21.0			
Temperature (C)	18.9	19.0	18.9			
pH	6.95	6.94	6.95			
Spec. Cond. (umhos)	2.01	2.15	2.27			
Turbidity/Color	/	/	/	/	/	/
Odor (Y/N)	W	/	/	/	/	/
Casing Volumes	Chew	/	/	/	/	/
Dewatered (Y/N)	W	/	/	/	/	/

Comments/Observations:

**SAMPLING DATA**

Time Sampled: 1225

Approximate Depth to Water During Sampling: 44.40 (feet)

Comments:

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

Total Purge Volume: 21 (gallons)

Disposal: *Waste*

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: MW-5D

Date: 9/26/00

Project No: TAM3399.3 UP 3399.1

Personnel: 30

**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 - 45.05 = 32.45				1	2	4	6	21.0 = 63.0
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: Submersible Pump

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	1224	1228	1232			
Volume Purge (gal)	21.0	42.0	63.0			
Temperature (C)	18.5	18.5	18.5			
pH	7.13	7.14	7.13			
Spec. Cond. (umhos)	1.76	1.76	1.77			
Turbidity/Color	/	/	/			
Odor (Y/N)	W	W	W			
Casing Volumes	Clear	Clear	Clear			
Dewatered (Y/N)	W	W	W			

Comments/Observations:

**SAMPLING DATA**

Time Sampled: 1230

Approximate Depth to Water During Sampling: 45.10 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
EXT	2	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
MW-5D	6				/	

Total Purge Volume: 63 (gallons)

Disposal: LOWPC

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: MW-7

Date: 9/26/00

Project No: TM3399.3

Personnel:

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)
		57.55	44.00	13.55	1	2	4	6	9.0
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method: Submersible Pump

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	Volume Purge (gal)	Temperature (C)	pH	Spec. Cond. (umhos)	Turbidity/Color	Odor (Y/N)	Casing Volumes	Dewatered (Y/N)
1440	9.0	19.9	6.89	2.21	/	N	clean	N
1442	18.0	19.8	6.89	2.22	/	/	/	/
1446	27.0	19.7	6.89	2.22	/	/	/	/

Comments/Observations: Need a cap 4.5" cap Not a normal size cap

SAMPLING DATA

Time Sampled: 1505

Approximate Depth to Water During Sampling:

(feet) 44.12

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
MW-7 EXT	3	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
					/	
					/	

Total Purge Volume: 27.0 (gallons)

Disposal:

Weather Conditions: clear

Condition of Well Box and Casing at Time of Sampling: good NO well cap

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: /

Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399*

Well No: *mw-8*

Date: *9/26/00*

Project No: *FM3399.3 SUP 3399.1*

Personnel: *30*

**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>137.90</i>	<i>47.55</i>	<i>90.35</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>58.0</i>	<i>174.0</i>
			0.04	0.16	0.64	1.44			

**PURGING DATA**

Purge Method: *Submersible Pump*

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	Volume Purge (gal)	Temperature (C)	pH	Spec. Cond. (umhos)	Turbidity/Color	Odor (Y/N)	Casing Volumes	Dewatered (Y/N)
<i>13.24</i>	<i>58.0</i>	<i>18.2</i>	<i>7.47</i>	<i>0.872</i>	<i>/</i>	<i>W</i>	<i>Clean</i>	<i>W</i>
<i>1335</i>	<i>116.0</i>	<i>17.7</i>	<i>7.24</i>	<i>0.890</i>	<i>/</i>	<i>W</i>	<i>Clean</i>	<i>W</i>
<i>1345</i>	<i>174.0</i>	<i>17.6</i>	<i>7.26</i>	<i>0.890</i>	<i>/</i>	<i>W</i>	<i>Clean</i>	<i>W</i>

Comments/Observations:

**SAMPLING DATA**

Time Sampled: *1400*

Approximate Depth to Water During Sampling: *47.62* (feet)

Comments:

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

Total Purge Volume: *174* (gallons)

Disposal: *ROWEC*

Weather Conditions: *Clean*

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

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: *MW-9*

Date: *9/26/00*

Project No: *TM3399.3*

Personnel: *30*

## 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)
	$52.47 - 43.14 = 9.33 \times 1.44 = 13.44$				1	2	4	6	6.0
				0.04	0.16	0.64	1.44		

## PURGING DATA

Purge Method: *Submersible Pump*

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	16:07	16:08	16:09			
Volume Purge (gal)	6.0	12.0	18.0			
Temperature (C)	20.3	20.0	20.0			
pH	6.70	6.69	6.71			
Spec. Cond. (umhos)	1.92	1.93	1.95			
Turbidity/Color	/					
Odor (Y/N)	N	N	N			
Casing Volumes	Clean	Clean	Clean			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

## SAMPLING DATA

Time Sampled: *1620*

Approximate Depth to Water During Sampling: *43.48* (feet)

Comments:

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

Total Purge Volume: *18.0* (gallons)

Disposal: *low sec*

Weather Conditions: *Clean*

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

Well Head Conditions Requiring Correction: *N*

Problems Encountered During Purging and Sampling: *None*

Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Exxon 7-3399

Well No: MW-10

Date: 9/26/00

Project No: TM3399.3

Personnel: 30

**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 - 45.80 = 12.5				1	2	4	6	8.0
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: Submersible Pump

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	1355	1358	1359			
Volume Purge (gal)	8.0	16.0	24.0			
Temperature (C)	19.4	19.4	19.4			
pH	6.92	6.92	6.92			
Spec. Cond. (umhos)	1.78	1.82	1.82			
Turbidity/Color	/	/	/	/	/	/
Odor (Y/N)	N	N	N			
Casing Volumes	Chen	Chen	Chen			
Dewatered (Y/N)	N	N	N			

Comments/Observations:

**SAMPLING DATA**

Time Sampled: 1415

Approximate Depth to Water During Sampling: 45.94 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
EXX 7 MW-10	6	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
					/	
					/	

Total Purge Volume: 24.0 (gallons)

Disposal: ROMEK

Weather Conditions: Chen

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: MW-11

Date: 9/26/00

Project No: ~~TW3399.3~~ UP3399.1

Personnel: 30

**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	-	44.45	=	13.85	X	1	2	4	6	9.0	=
						0.04	0.16	0.64	1.44			

**PURGING DATA**

Purge Method: Submersible Pump

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	14 15	14 17	14 19			
Volume Purge (gal)	9.0	18.0	27.0			
Temperature (C)	<del>10.5</del>	20.0	20.0			
pH	6.89	6.89	6.89			
Spec. Cond. (umhos)	2.16	2.15	2.15			
Turbidity/Color	/	/	/			
Odor (Y/N)	N	→	→			
Casing Volumes	Chew	→	→			
Dewatered (Y/N)	N	→	→			

Comments/Observations: WATER DN BOX (could not get all out) (some water went down well) very little!!

**SAMPLING DATA**

Time Sampled: 1450

Approximate Depth to Water During Sampling: 41.56 feet

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW-11EXT	1	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
					/	
					/	

Total Purge Volume: (gallons)

Disposal:

LOMIC

Weather Conditions:

Chew

Condition of Well Box and Casing at Time of Sampling:

WATER DN BOX

Well Head Conditions Requiring Correction:

wood

Problems Encountered During Purging and Sampling:

nowiz

Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399* Well No: *MW-12A* Date: *9/26/00*  
 Project No: *FM3399.3 0P3399.1* Personnel: *30*

**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>48.26</i>	<i>=</i>	<i>40.21</i>	<i>X</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>13.0</i>	<i>=</i>
						0.04	0.16	0.64	1.44			

**PURGING DATA**

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

Time	1150	1153	1556			
Volume Purge (gal)	<i>13.0</i>	<i>26.0</i>	<i>39.0</i>			
Temperature (°C)	<i>18.8</i>	<i>18.8</i>	<i>18.8</i>			
pH	<i>7.27</i>	<i>7.26</i>	<i>7.27</i>			
Spec. Cond. (umhos)	<i>0.98</i>	<i>0.95</i>	<i>0.95</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i>	<i>Y</i>	<i>N</i>			
Casing Volumes	<i>Clear</i>	<i>light silty</i>	<i>light silty</i>			
Dewatered (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			

Comments/Observations:

**SAMPLING DATA**

Time Sampled: *1200* Approximate Depth to Water During Sampling: *48.43* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
<i>EXT</i>	<i>3</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
<i>MW-12A</i>					/	
					/	

Total Purge Volume: *39* (gallons) Disposal: *IONIC*

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: MW-13

Date: 9/26/00

Project No: IM3399.3

UP3399.1

Personnel: 30

**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)			
	70.85	-	45.62	=	25.23	X	1	2	4	6	4.0	=
						0.04	0.16	0.64	1.44			

**PURGING DATA**

Purge Method: Submersible Pump

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	Volume Purge (gal)	Temperature (C)	pH	Spec. Cond. (umhos)	Turbidity/Color	Odor (Y/N)	Casing Volumes	Dewatered (Y/N)
1105	4.0	19.6	7.01	2.00	/	W	Silty	W
1107	8.0	19.5	7.02	1.98	/	W	Silty	W
1109	12.0	19.4	7.02	1.98	/	W	Silty	W

Comments/Observations:

WATER very silty

**SAMPLING DATA**

Time Sampled: 1120

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
MW-13 <del>EXT</del>	3	Voa	HCL	40 ml	/	TPH-g, BTEX, MTBE
					/	
					/	

Total Purge Volume: 12 (gallons)

Disposal: LOMEC

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: 11

Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Exxon 7-3399 Well No: MJ-14 Date: 9/26/00  
 Project No: UP 3399-1  
TM3399-3 Personnel: 30/1-3

**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)
		<u>135.46</u>	<u>46.90</u>	<u>88.56</u>	<u>1</u>	<u>2</u>	<u>4</u>	<u>6</u>	<u>14.1</u>
				0.04	0.16	0.64	1.44		

**PURGING DATA**

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

Time	10:34	10:37	10:42			
Volume Purge (gal)	<u>14.0</u>	<u>28.0</u>	<u>42.0</u>			
Temperature (C)	<u>18.0</u>	<u>17.4</u>	<u>17.7</u>			
pH	<u>7.35</u>	<u>7.39</u>	<u>7.39</u>			
Spec. Cond. (umhos)	<u>1.02</u>	<u>0.98</u>	<u>0.97</u>			
Turbidity/Color	/					
Odor (Y/N)	<u>N</u>	<u>N</u>	<u>N</u>			
Casing Volumes	<u>Silty</u>	<u>Silty</u>	<u>Silty</u>			
Dewatered (Y/N)	<u>N</u>	<u>N</u>	<u>N</u>			

Comments/Observations:

water very silty

**SAMPLING DATA**

Time Sampled: 10:55 Approximate Depth to Water During Sampling: 47.00 (feet)

Comments:

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

Total Purge Volume: 42 (gallons) Disposal: LOWIC

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: ~~PMW-3~~ Date: 9/26/00  
 Project No: ~~IM33993~~ UP3399.1 Personnel: 32

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	-	10.39	=	5.03	X	1	2	6	6	3.0	=
						0.04	0.16	0.64	1.44			

PURGING DATA

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

Time	1515	1516	1517			
Volume Purge (gal)	3.0	6.0	10.0			
Temperature (C)	20.9	21.2	21.2			
pH	6.79	6.83	6.83			
Spec. Cond. (umhos)	2.01	1.56	1.56			
Turbidity/Color	/					
Odor (Y/N)	W					
Casing Volumes	Chen					
Dewatered (Y/N)	W					

Comments/Observations:

SAMPLING DATA

Time Sampled: 1530 Approximate Depth to Water During Sampling: 10.52 (feet)

Comments:

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

Total Purge Volume: 10.0 (gallons) Disposal: ~~RMIC~~

Weather Conditions:

Condition of Well Box and Casing at Time of Sampling:

Well Head Conditions Requiring Correction:

Problems Encountered During Purging and Sampling:

Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399*

Well No: *PMW-5*

Date: *9/26/00*

Project No: *TM3399.3*

Personnel: *30*

**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>12.15</i>	<i>2.53</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>2.0</i>	<i>6.0</i>
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: *Hand Bail*  
~~Submersible Pump~~

Purge Depth: Screen Purge Rate: (gpm)

Time	1535	1536	1536			
Volume Purge (gal)	<i>2.0</i>	<i>4.0</i>	<i>6.0</i>			
Temperature (C)	<i>22.4</i>	<i>22.4</i>	<i>22.3</i>			
pH	<i>11.80</i>	<i>11.84</i>	<i>11.84</i>			
Spec. Cond. (umhos)	<i>2.08</i>	<i>2.09</i>	<i>2.09</i>			
Turbidity/Color	/					
Odor (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			
Casing Volumes	<i>Clear</i>	<i>Clear</i>	<i>Clear</i>			
Dewatered (Y/N)	<i>N</i>	<i>N</i>	<i>Yes</i>			

Comments/Observations:

*Height 11' = (11')*

**SAMPLING DATA**

Time Sampled: *1550*

Approximate Depth to Water During Sampling: *12.20* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>5</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: *LANOC*

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: *11*

Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: *Exxon 7-3399*

Well No: *VR-1*

Date: *9/26/00*

Project No: *FM3399-2 VP3399-1*

Personnel: *30*

**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>21.92</i>	<i>8.93</i>	<i>1</i>	<i>2</i>	<i>4</i>	<i>6</i>	<i>6.0</i>	<i>18.0</i>
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: *Submersible Pump*

Purge Depth:

Screen

Purge Rate:

(gpm)

Time	1635	1637	1637			
Volume Purge (gal)	<i>6.0</i>	<i>12.0</i>	<i>18.0</i>			
Temperature (C)	<i>21.0</i>	<i>20.5</i>	<i>20.5</i>			
pH	<i>6.78</i>	<i>6.83</i>	<i>6.83</i>			
Spec. Cond. (umhos)	<i>1.86</i>	<i>1.77</i>	<i>1.76</i>			
Turbidity/Color	/	/	/			
Odor (Y/N)	<i>N</i>	<i>N</i>				
Casing Volumes	<i>Clear</i>	<i>Clear</i>				
Dewatered (Y/N)	<i>N</i>	<i>N</i>				

Comments/Observations:

**SAMPLING DATA**

Time Sampled: *1645*

Approximate Depth to Water During Sampling: *22.00* (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>EX-1</i>	<i>96</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>
<i>VR-1</i>					/	

Total Purge Volume: *18.0* (gallons)

Disposal: *ROM EC*

Weather Conditions: *Clear*

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: *Exxon 7-3399* Well No: *OW-2* Date: *9/26/00*  
 Project No: *JM3399:3 UP3399-1* Personnel: *JO*

**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>12.74</i>	<i>11.11</i>	<i>1.63</i>	<i>1.8</i>	<i>1.0</i>	<i>3.0</i>
				0.04 0.16 0.64 1.44		

**PURGING DATA**

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

Time	Volume Purge (gal)	Temperature (C)	pH	Spec. Cond. (umhos)	Turbidity/Color	Odor (Y/N)	Casing Volumes	Dewatered (Y/N)
<i>1320</i>	<i>1.0</i>	<i>22.0</i>	<i>7.04</i>	<i>1.01</i>	/	<i>N</i>		<i>N</i>
<i>1320</i>	<i>2.0</i>	<i>22.1</i>	<i>7.05</i>	<i>1.01</i>	/	<i>N</i>		<i>N</i>
<i>1321</i>	<i>3.0</i>	<i>22.1</i>	<i>7.05</i>	<i>1.02</i>	/	<i>N</i>		<i>N</i>

Comments/Observations:

**SAMPLING DATA**

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

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
<i>OW-2-1</i>	<i>3</i>	<i>Voa</i>	<i>HCL</i>	<i>40 ml</i>	/	<i>TPH-g, BTEX, MTBE</i>

Total Purge Volume: *3* (gallons) Disposal: *LOWIC*

Weather Conditions: *Clear*

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

Well Head Conditions Requiring Correction: *WORK*

Problems Encountered During Purging and Sampling: *1*

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

13 October, 2000

Joe Muehleck  
ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek, CA 94596

RE: Exxon  
Sequoia Report: MJ10676

Enclosed are the results of analyses for samples received by the laboratory on 09/28/00 10:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew  
Project Manager

CA ELAP Certificate #1210

**Received**

OCT 19 2000

**ETIC Engineering Inc.**





ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5S	MJI0676-01	Water	09/26/00 12:25	09/28/00 10:45
MW-5D	MJI0676-02	Water	09/26/00 12:40	09/28/00 10:45
PMW-2	MJI0676-03	Water	09/26/00 16:20	09/28/00 10:45
PMW-3	MJI0676-04	Water	09/26/00 15:30	09/28/00 10:45
MW-1	MJI0676-05	Water	09/26/00 15:20	09/28/00 10:45
MW-7	MJI0676-06	Water	09/26/00 15:05	09/28/00 10:45
MW-8	MJI0676-07	Water	09/26/00 14:00	09/28/00 10:45
MW-11	MJI0676-08	Water	09/26/00 14:50	09/28/00 10:45
VR-1	MJI0676-09	Water	09/26/00 16:45	09/28/00 10:45
MW-10	MJI0676-10	Water	09/26/00 14:15	09/28/00 10:45
PMW-5	MJI0676-11	Water	09/26/00 15:50	09/28/00 10:45
DW-2	MJI0676-12	Water	09/26/00 13:40	09/28/00 10:45
MW-9	MJI0676-13	Water	09/26/00 16:20	09/28/00 10:45
MW-4	MJI0676-14	Water	09/26/00 16:30	09/28/00 10:45
MW-14	MJI0676-15	Water	09/26/00 10:55	09/28/00 10:45
MW-12A	MJI0676-16	Water	09/26/00 13:20	09/28/00 10:45
MW-13	MJI0676-17	Water	09/26/00 11:20	09/28/00 10:45
RB-1	MJI0676-18	Water	09/26/00 11:40	09/28/00 10:45

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)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

## 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-5S (MJI0676-01) Water</b> Sampled: 09/26/00 12:25 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.3 %		70-130	"	"	"	"	
<b>MW-5D (MJI0676-02) Water</b> Sampled: 09/26/00 12:40 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.2 %		70-130	"	"	"	"	
<b>MW-2 (MJI0676-03) Water</b> Sampled: 09/26/00 16:20 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J10001	10/10/00	10/10/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %		70-130	"	"	"	"	
<b>MW-3 (MJI0676-04) Water</b> Sampled: 09/26/00 15:30 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.6 %		70-130	"	"	"	"	



ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

Reported:  
10/13/00 13:00

## 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-1 (MJI0676-05) Water</b> Sampled: 09/26/00 15:20 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.1 %		70-130	"	"	"	"	
<b>MW-7 (MJI0676-06) Water</b> Sampled: 09/26/00 15:05 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.8 %		70-130	"	"	"	"	
<b>MW-8 (MJI0676-07) Water</b> Sampled: 09/26/00 14:00 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	0.528	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.4 %		70-130	"	"	"	"	
<b>MW-11 (MJI0676-08) Water</b> Sampled: 09/26/00 14:50 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		90.9 %		70-130	"	"	"	"	



ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

**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>WR-1 (MJI0676-09) Water</b> Sampled: 09/26/00 16:45 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04001	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.9 %	70-130		"	"	"	"	
<b>MW-10 (MJI0676-10) Water</b> Sampled: 09/26/00 14:15 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04001	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.9 %	70-130		"	"	"	"	
<b>MW-5 (MJI0676-11) Water</b> Sampled: 09/26/00 15:50 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J06003	10/06/00	10/06/00	DHS LUFT	
Benzene	1.83	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	70-130		"	"	"	"	
<b>WR-2 (MJI0676-12) Water</b> Sampled: 09/26/00 13:40 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04001	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		104 %	70-130		"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
44 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

## 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-9 (MJ10676-13) Water</b> Sampled: 09/26/00 16:20 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04001	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.0 %		70-130	"	"	"	"	
<b>MW-4 (MJ10676-14) Water</b> Sampled: 09/26/00 16:30 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04001	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.1 %		70-130	"	"	"	"	
<b>MW-14 (MJ10676-15) Water</b> Sampled: 09/26/00 10:55 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04001	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.6 %		70-130	"	"	"	"	
<b>MW-12A (MJ10676-16) Water</b> Sampled: 09/26/00 13:20 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J05003	10/05/00	10/05/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.4 %		70-130	"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

**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-13 (MJI0676-17) Water</b> Sampled: 09/26/00 11:20 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	0.504	0.500	"	"	"	"	"	"	
Toluene	0.594	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	0.982	0.500	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		103 %	70-130		"	"	"	"	
<b>RB-1 (MJI0676-18) Water</b> Sampled: 09/26/00 11:40 Received: 09/28/00 10:45									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0J04002	10/04/00	10/04/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		94.3 %	70-130		"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

Reported:  
10/13/00 13:00

## MTBE by EPA Method 8260A Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-5S (MJI0676-01) Water</b> Sampled: 09/26/00 12:25 Received: 09/28/00 10:45									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J04021	10/04/00	10/04/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		83.1 %	70-130		"	"	"	"	
<b>MW-5D (MJI0676-02) Water</b> Sampled: 09/26/00 12:40 Received: 09/28/00 10:45									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J04021	10/04/00	10/04/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		"	"	"	"	
<b>PMW-2 (MJI0676-03) Water</b> Sampled: 09/26/00 16:20 Received: 09/28/00 10:45									
Methyl tert-butyl ether	157	10.0	ug/l	10	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		"	"	"	"	
<b>PMW-3 (MJI0676-04) Water</b> Sampled: 09/26/00 15:30 Received: 09/28/00 10:45									
Methyl tert-butyl ether	13.6	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		"	"	"	"	
<b>MW-1 (MJI0676-05) Water</b> Sampled: 09/26/00 15:20 Received: 09/28/00 10:45									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		"	"	"	"	
<b>MW-7 (MJI0676-06) Water</b> Sampled: 09/26/00 15:05 Received: 09/28/00 10:45									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		"	"	"	"	
<b>MW-8 (MJI0676-07) Water</b> Sampled: 09/26/00 14:00 Received: 09/28/00 10:45									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

Reported:  
10/13/00 13:00

## MTBE by EPA Method 8260A Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TW-11 (MJI0676-08) Water</b> Sampled: 09/26/00 14:50 Received: 09/28/00 10:45									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		"	"	"	"	
<b>VR-1 (MJI0676-09) Water</b> Sampled: 09/26/00 16:45 Received: 09/28/00 10:45									
Methyl tert-butyl ether	387	20.0	ug/l	20	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		"	"	"	"	
<b>MW-10 (MJI0676-10) Water</b> Sampled: 09/26/00 14:15 Received: 09/28/00 10:45									
Methyl tert-butyl ether	3.39	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		"	"	"	"	
<b>PMW-5 (MJI0676-11) Water</b> Sampled: 09/26/00 15:50 Received: 09/28/00 10:45									
Methyl tert-butyl ether	743	20.0	ug/l	20	0J10004	10/09/00	10/09/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		"	"	"	"	
<b>OW-2 (MJI0676-12) Water</b> Sampled: 09/26/00 13:40 Received: 09/28/00 10:45									
Methyl tert-butyl ether	1690	100	ug/l	100	0J10004	10/09/00	10/09/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		"	"	"	"	
<b>MW-9 (MJI0676-13) Water</b> Sampled: 09/26/00 16:20 Received: 09/28/00 10:45									
Methyl tert-butyl ether	77.2	5.00	ug/l	5	0J10004	10/09/00	10/09/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		"	"	"	"	
<b>NW-4 (MJI0676-14) Water</b> Sampled: 09/26/00 16:30 Received: 09/28/00 10:45									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		"	"	"	"	





ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA. 94596

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

**Reported:**  
10/13/00 13:00

**MTBE by EPA Method 8260A  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-14 (MJI0676-15) Water Sampled: 09/26/00 10:55 Received: 09/28/00 10:45</b>									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		"	"	"	"	
<b>MW-12A (MJI0676-16) Water Sampled: 09/26/00 13:20 Received: 09/28/00 10:45</b>									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		86.2 %	70-130		"	"	"	"	
<b>MW-13 (MJI0676-17) Water Sampled: 09/26/00 11:20 Received: 09/28/00 10:45</b>									
Methyl tert-butyl ether	1.62	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		81.6 %	70-130		"	"	"	"	
<b>RB-1 (MJI0676-18) Water Sampled: 09/26/00 11:40 Received: 09/28/00 10:45</b>									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0J06004	10/05/00	10/05/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		86.6 %	70-130		"	"	"	"	



ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

Reported:  
10/13/00 13:00

## 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	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 0J04001 - EPA 5030B [P/T]</b>										
<b>Blank (0J04001-BLK1)</b> Prepared & Analyzed: 10/04/00										
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	9.74		"	10.0		97.4	70-130			
<b>CS (0J04001-BS1)</b> Prepared & Analyzed: 10/04/00										
Purgeable Hydrocarbons	237	50.0	ug/l				70-130			
Surrogate: a,a,a-Trifluorotoluene	14.6		"	10.0		146	70-130			S-02
<b>Matrix Spike (0J04001-MS1)</b> Source: MJ10676-10 Prepared & Analyzed: 10/04/00										
Purgeable Hydrocarbons	249	50.0	ug/l		ND		60-140			
Surrogate: a,a,a-Trifluorotoluene	11.6		"	10.0		116	70-130			
<b>Matrix Spike Dup (0J04001-MSD1)</b> Source: MJ10676-10 Prepared & Analyzed: 10/04/00										
Purgeable Hydrocarbons	246	50.0	ug/l		ND		60-140	1.21	25	
Surrogate: a,a,a-Trifluorotoluene	15.3		"	10.0		153	70-130			S-02
<b>Batch 0J04002 - EPA 5030B [P/T]</b>										
<b>Blank (0J04002-BLK1)</b> Prepared & Analyzed: 10/04/00										
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	9.52		"	10.0		95.2	70-130			



ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

Reported:  
10/13/00 13:00

**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	Limit	RPD	RPD Limit	Notes
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**Batch 0J04002 - EPA 5030B [P/T]**

<b>ICS (0J04002-BS1)</b>				Prepared & Analyzed: 10/04/00						
Purgeable Hydrocarbons	227	50.0	ug/l				70-130			
Surrogate: a,a,a-Trifluorotoluene	10.0		"	10.0		100	70-130			

<b>Matrix Spike (0J04002-MS1)</b>				Source: MJI0676-01 Prepared & Analyzed: 10/04/00						
Purgeable Hydrocarbons	229	50.0	ug/l		ND		60-140			
Surrogate: a,a,a-Trifluorotoluene	9.95		"	10.0		99.5	70-130			

<b>Matrix Spike Dup (0J04002-MSD1)</b>				Source: MJI0676-01 Prepared & Analyzed: 10/04/00						
Purgeable Hydrocarbons	227	50.0	ug/l		ND		60-140	0.877	25	
Surrogate: a,a,a-Trifluorotoluene	10.1		"	10.0		101	70-130			

**Batch 0J05003 - EPA 5030B [P/T]**

<b>Blank (0J05003-BLK1)</b>				Prepared & Analyzed: 10/05/00						
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	8.72		"	10.0		87.2	70-130			

<b>ICS (0J05003-BS1)</b>				Prepared & Analyzed: 10/05/00						
Purgeable Hydrocarbons	251	50.0	ug/l				70-130			
Surrogate: a,a,a-Trifluorotoluene	12.7		"	10.0		127	70-130			

<b>Matrix Spike (0J05003-MS1)</b>				Source: MJI0676-16 Prepared & Analyzed: 10/05/00						
Purgeable Hydrocarbons	196	50.0	ug/l		ND		60-140			
Surrogate: a,a,a-Trifluorotoluene	8.94		"	10.0		89.4	70-130			



ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

Reported:  
10/13/00 13:00

**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	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0J05003 - EPA 5030B [P/T]**

<b>Matrix Spike Dup (0J05003-MSD1)</b>		<b>Source: MJI0676-16</b>		<b>Prepared &amp; Analyzed: 10/05/00</b>						
Purgeable Hydrocarbons	209	50.0	ug/l		ND		60-140	6.42	25	
Surrogate: a,a,a-Trifluorotoluene	11.6		"	10.0		116	70-130			

**Batch 0J06003 - EPA 5030B [P/T]**

<b>Blank (0J06003-BLK1)</b>		<b>Prepared &amp; Analyzed: 10/06/00</b>								
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Aromatics (total)	ND	0.500	"							
Surrogate: a,a,a-Trifluorotoluene	7.79		"	10.0		77.9	70-130			

<b>Matrix Spike (0J06003-BS1)</b>		<b>Prepared &amp; Analyzed: 10/06/00</b>								
Benzene	8.71	0.500	ug/l	10.0		87.1	70-130			
Toluene	7.97	0.500	"	10.0		79.7	70-130			
Ethylbenzene	8.47	0.500	"	10.0		84.7	70-130			
Aromatics (total)	24.7	0.500	"	30.0		82.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	8.32		"	10.0		83.2	70-130			

<b>Matrix Spike (0J06003-MS1)</b>		<b>Source: MJI0708-06</b>		<b>Prepared &amp; Analyzed: 10/06/00</b>						
Benzene	9.11	0.500	ug/l	10.0	ND	91.1	60-140			
Toluene	8.70	0.500	"	10.0	0.548	81.5	60-140			
Ethylbenzene	9.38	0.500	"	10.0	0.578	88.0	60-140			
Aromatics (total)	28.2	0.500	"	30.0	2.77	84.8	60-140			
Surrogate: a,a,a-Trifluorotoluene	8.59		"	10.0		85.9	70-130			





ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

## 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 0J06003 - EPA 5030B [P/T]

Matrix Spike Dup (0J06003-MSD1)		Source: MJJ0708-06		Prepared & Analyzed: 10/06/00						
Benzene	8.40	0.500	ug/l	10.0	ND	84.0	60-140	8.11	25	
Toluene	8.20	0.500	"	10.0	0.548	76.5	60-140	5.92	25	
Ethylbenzene	8.80	0.500	"	10.0	0.578	82.2	60-140	6.38	25	
Aromatics (total)	26.7	0.500	"	30.0	2.77	79.8	60-140	5.46	25	
Surrogate: a,a,a-Trifluorotoluene	8.05		"	10.0		80.5	70-130			

### Batch 0J10001 - EPA 5030B [P/T]

Blank (0J10001-BLK1)		Prepared & Analyzed: 10/10/00								
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Aromatics (total)	ND	0.500	"							
Surrogate: a,a,a-Trifluorotoluene	7.72		"	10.0		77.2	70-130			

LCS (0J10001-BS1)		Prepared & Analyzed: 10/10/00								
Purgeable Hydrocarbons	235	50.0	ug/l				70-130			
Surrogate: a,a,a-Trifluorotoluene	12.9		"	10.0		129	70-130			

Matrix Spike (0J10001-MS1)		Source: MJJ0122-01		Prepared & Analyzed: 10/10/00						
Purgeable Hydrocarbons	231	50.0	ug/l		ND		60-140			
Surrogate: a,a,a-Trifluorotoluene	12.6		"	10.0		126	70-130			

Matrix Spike Dup (0J10001-MSD1)		Source: MJJ0122-01		Prepared & Analyzed: 10/10/00						
Purgeable Hydrocarbons	249	50.0	ug/l		ND		60-140	7.50	25	
Surrogate: a,a,a-Trifluorotoluene	13.6		"	10.0		136	70-130			S-02





ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

Reported:  
10/13/00 13:00

## MTBE by EPA Method 8260A - 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 0J04021 - EPA 5030B [P/T]

#### Blank (0J04021-BLK1)

Prepared & Analyzed: 10/04/00

Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	8.40		"	10.0		84.0	70-130			

#### CS (0J04021-BS1)

Prepared & Analyzed: 10/04/00

Methyl tert-butyl ether	9.54	1.00	ug/l	10.0		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.47		"	10.0		94.7	70-130			

#### CS Dup (0J04021-BSD1)

Prepared & Analyzed: 10/04/00

Methyl tert-butyl ether	9.70	1.00	ug/l	10.0		97.0	70-130	1.66	25	
Surrogate: 1,2-Dichloroethane-d4	9.04		"	10.0		90.4	70-130			

#### Matrix Spike (0J04021-MS1)

Source: MJJ0028-01

Prepared & Analyzed: 10/04/00

Methyl tert-butyl ether	2850	100	ug/l	1000	2060	79.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.69		"	10.0		96.9	70-130			

#### Matrix Spike Dup (0J04021-MSD1)

Source: MJJ0028-01

Prepared & Analyzed: 10/04/00

Methyl tert-butyl ether	2770	100	ug/l	1000	2060	71.0	70-130	2.85	25	
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	70-130			

### Batch 0J06004 - EPA 5030B [P/T]

#### Blank (0J06004-BLK1)

Prepared & Analyzed: 10/05/00

Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	9.47		"	10.0		94.7	70-130			

#### CS (0J06004-BS1)

Prepared & Analyzed: 10/05/00

Methyl tert-butyl ether	8.41	1.00	ug/l	10.0		84.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	8.91		"	10.0		89.1	70-130			



ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

## MTBE by EPA Method 8260A - 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 0J06004 - EPA 5030B [P/T]

Matrix Spike (0J06004-MS1)		Source: MJI0676-06		Prepared & Analyzed: 10/05/00						
Methyl tert-butyl ether	8.92	1.00	ug/l	10.0	ND	89.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.02		"	10.0		90.2	70-130			

Matrix Spike Dup (0J06004-MSD1)		Source: MJI0676-06		Prepared & Analyzed: 10/05/00						
Methyl tert-butyl ether	9.87	1.00	ug/l	10.0	ND	98.7	70-130	10.1	25	
Surrogate: 1,2-Dichloroethane-d4	10.9		"	10.0		109	70-130			

### Batch 0J10004 - EPA 5030B [P/T]

Blank (0J10004-BLK1)		Prepared & Analyzed: 10/09/00								
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	70-130			

LCS (0J10004-BS1)		Prepared & Analyzed: 10/09/00								
Methyl tert-butyl ether	9.94	1.00	ug/l	10.0		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130			

Matrix Spike (0J10004-MS1)		Source: MJI0676-11		Prepared & Analyzed: 10/09/00						
Methyl tert-butyl ether	949	20.0	ug/l	200	743	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.34		"	10.0		93.4	70-130			

Matrix Spike Dup (0J10004-MSD1)		Source: MJI0676-11		Prepared & Analyzed: 10/09/00						
Methyl tert-butyl ether	956	20.0	ug/l	200	743	107	70-130	0.735	25	
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130			



ETIC Engineering Inc - WC (Exxon)  
144 Mayhew Way  
Walnut Creek CA, 94596

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

**Reported:**  
10/13/00 13:00

### Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- 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







**CHAIN OF CUSTODY**

Consultant's Name: ETEC Eng. Inc. Page 1 of 2

Address: 144 MATTHEW WAY, WAINUT CREEK CA 94596 Site Location: 2991 Hopwood Rd

Project #: \_\_\_\_\_ Consultant Project #: 013399.1 Consultant Work Release #: 2002958

Project Contact: Joe Muehleck Phone #: (925) 977-7914 Laboratory Work Release #: \_\_\_\_\_

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

Sampled by (print): Solun Ortega Sampler's Signature: [Signature] Pleasanton, CA

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

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

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas	TPH/	TRPH	MTBE	Temperature: _____
							BTEX/8015/8020	Diesel EPA 8015	S.M. 5520		
MW-55	9/26/00	<del>1225</del>	H <sub>2</sub> O		6	01	X			X	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">MJI0676</div> Inbound Seal: Yes No Outbound Seal: Yes No
MW-5D		1240			6	02	X			X	
PMW-2		1620			6	03	X			X	
PMW-3		1530			6	04	X			X	
MW-1		1520			6	05	X			X	
MW-7		1505			6	06	X			X	
MW-8		1400			6	07	X			X	
MW-11		1450			6	08	X			X	
VR-1		1645			6	09	X			X	

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<u>[Signature]</u> / ETEC	9/27/00		Mark Collis / Sequoia	9-28	1045	
<u>[Signature]</u> / CDC	9-28	1100	<u>[Signature]</u> / CDC	9-28	1145	
<u>[Signature]</u> / Chris Jensen	9-28		<u>[Signature]</u> / Mark Collis	9/28	12:05	

Pink - Client  
Yellow - Sequoia  
White - Sequoia

[Signature] 9/28/00 1903



Consultant's Name: **ETIC Eng. Inc.**  
 Address: **144 MAYHEW WAY WAINWIT CREEK CA 94596**  
 Site Location: **2991 Hopwood Rd**  
 Project #: **Consultant Project #:** **UP3399.1**  
 Consultant Work Release #: **2002985**  
 Project Contact: **Joe Muehlebeck**  
 Phone #: **(925) 977-7914**  
 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 **OK**  
 Shipment Method: **Air Bill #:**

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

**ANALYSIS REQUIRED**

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	MTOT 5260	Temperature: _____ Inbound Seal: Yes No Outbound Seal: Yes No
MW-10	9/26/00	1415	H <sub>2</sub> O	Hal	6	10	X			X	<b>MJI0476</b>
PMW-5		1550			6	11	X			X	
OW-2		1340			6	12	X			X	
MW-9		1620			6	13	X			X	
MW-4		1630			6	14	X			X	
MW-14		1055			6	15	X			X	
MW-12A		120			6	14	X			X	
MW-13		1120			6	17	X			X	
RB-1		1140			3	18	X			X	

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
<b>John Ortega / ETIC</b>	9/27/00		<b>Mark Calli / Sequoia</b>	9-28	1045	
<b>Mark Calli</b>	9-28	1100	<del>John Ortega / ETIC</del>	9-28	1145	
<b>John Ortega</b>	9-28		<b>Chris...</b>	9/28	17:05	

Pink - Client  
 Yellow - Sequoia  
 White - Sequoia