

**ExxonMobil
Refining and Supply Company**

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Darin L. Rouse
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ENVIRONMENTAL
PROTECTION
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ExxonMobil
Refining & Supply

June 19, 2000

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

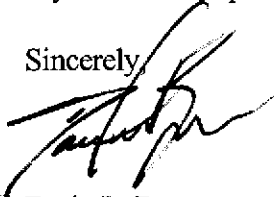
Subject: Exxon RAS #7-3399/2991 Hopyard Road, Pleasanton, California

Dear Mr. Seery:

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

If you have any questions or comments, please contact me at (925) 246-8768.

Sincerely,



Darin L. Rouse
Senior Engineer

Attachment: ETIC Groundwater Monitoring Report dated June 2000

- C: w/attachment:
Mr. Chuck Headlee – Regional Water Quality Control Board, San Francisco Bay Region
Mr. Matthew Katen – Alameda County Flood Control and Water Conservation District (Zone 7)
Mr. Stephen Cusenza – City of Pleasanton Public Works Department
Mr. Thomas Elson – Luhdorff and Scalmanini Consulting Engineers
- C: w/o attachment:
Ms. Christa Marting - ETIC Engineering, Inc.



**Report of Groundwater Monitoring
First Quarter 2000**

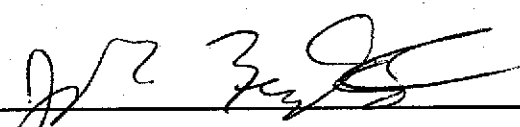
**Exxon Retail Site 7-3399
2991 Hopyard Road
Pleasanton, California**

Prepared for

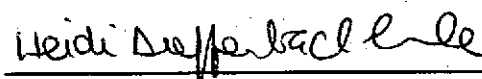
ExxonMobil Refining and Supply Company
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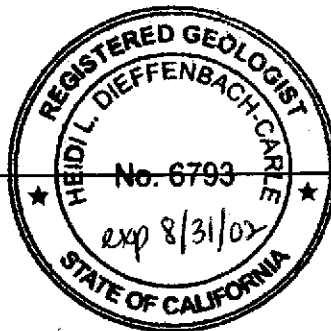
Prepared by

ETIC Engineering, Inc.
144 Mayhew Way
Walnut Creek, California 94596
(925) 977-7914


Joseph T. Muehleck
Project Manager

6/15/00
Date


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



12 June 2000
Date

June 2000

SITE CONTACTS

Site Name: Exxon Retail Site 7-3399

Site Address: 2991 Hopyard Road
Pleasanton, California

ExxonMobil Project Manager: Darin L. Rouse
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Alameda County Flood Control and Water
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5997 Parkside Drive
Pleasanton, California 94566
(925) 484-2600

Mr. Stephen Cusenza
City of Pleasanton Public Works Department
P.O. Box 520
Pleasanton, California 94566
(925) 931-5507

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.

On 4 April 2000, groundwater was monitored in wells PMW2-PMW6, MW1, MW5S, MW5D, MW7-MW11, OW1, OW2, VR1, and VR2 for liquid-phase hydrocarbons (LPH) with an optical interface probe. Groundwater samples were collected from wells PMW2-PMW5, MW1, MW5S, MW5D, MW7-MW11, OW1, VR1, and VR2, and 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). MW4 was inaccessible and insufficient water was measured for sample collection in PMW6 and OW2 on 4 April 2000.

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 4 April 2000 was to the southeast in the perched zone, with a gradient of approximately 0.018 using wells PMW2-PMW5. The groundwater flow direction on 4 April 2000 was to the northwest at the water table (Zone 1), with a gradient of approximately 0.005 using wells MW5S, MW7, and MW10.~~ Wells MW5D and MW8 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. A laboratory-prepared trip 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 SPL, Inc. in Houston, Texas, and analyzed for TPH-g by Cal EPA-modified EPA Method 8015 and for BTEX and MTBE by EPA Method 8021B. Samples in which MTBE was detected by EPA Method 8021B were also analyzed by EPA Method 8260B for confirmation. 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

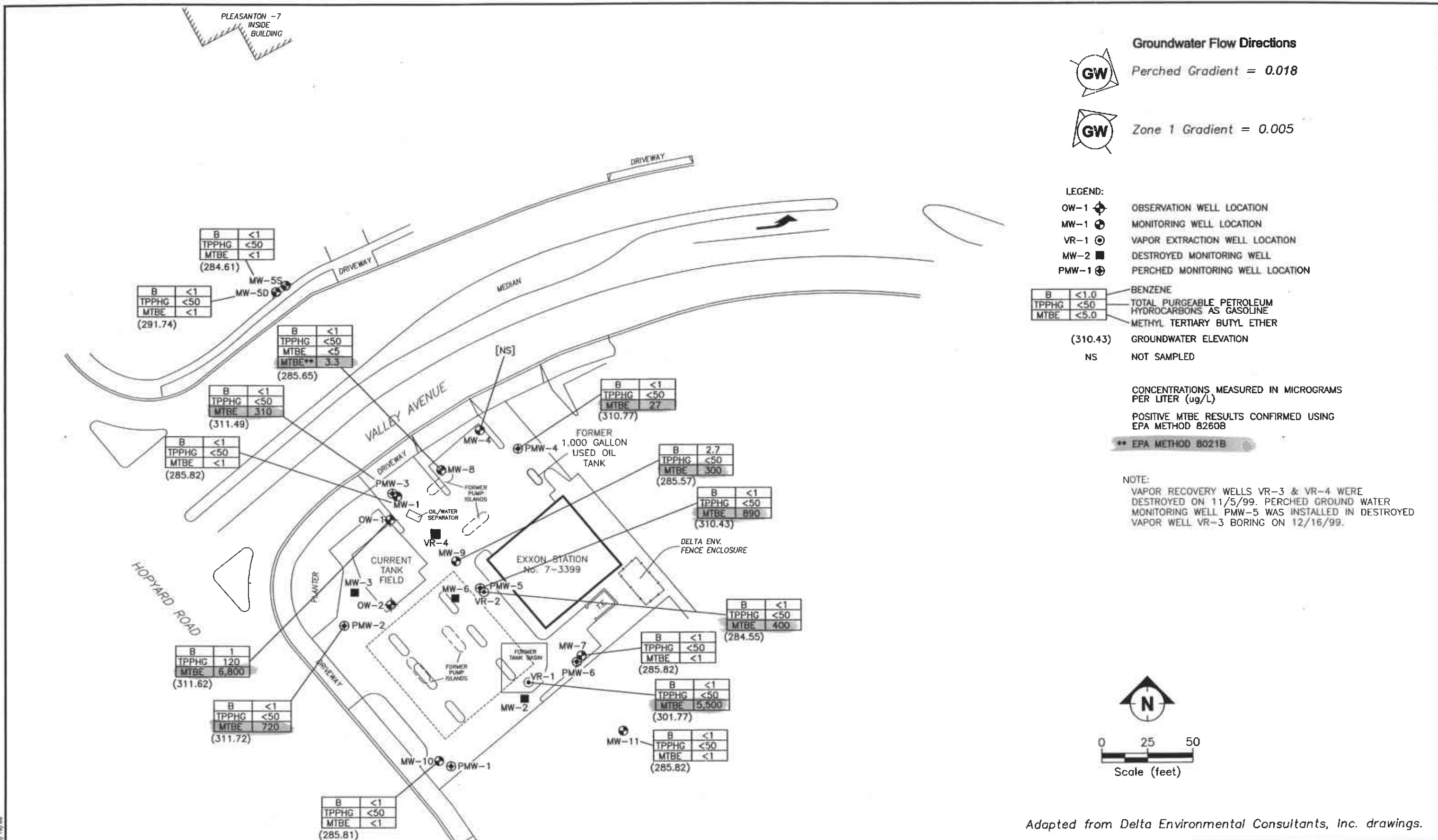
The vapor extraction and air systems in place at the site are currently not being operated. Remedial alternatives which more aggressively address source concentrations of hydrocarbons and MTBE are

being evaluated.

4. WORK PROPOSED FOR NEXT QUARTER

Three groundwater monitoring wells will be installed between the site and two water supply wells. A work plan for the well installation was submitted in May.

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



SITE PLAN SHOWING GROUNDWATER ELEVATIONS AND GROUNDWATER SAMPLE ANALYTICAL RESULTS
EXXON RS 7-3399
2991 HOPYARD ROAD, PLEASANTON, CALIFORNIA
4 APRIL 2000

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

Monitoring Well	Date	Reference Elevation (feet)	Depth		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)
			to Water (feet)									
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	
	01/25/90		NM	NC	NM	18	1.6	<0.5	1.8	57	NA	
	01/26/90		49.29	272.15	0.00	NS	NS	NS	NS	NS	NS	

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

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	02/23/90	321.44	49.02 ^a	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 ^a	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
	03/11/93		53.09	268.35	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		53.32	268.12	0.00	NS	NS	NS	NS	NS	NS
	06/01/93		53.40	268.04	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		59.80	261.64	0.00	NS	NS	NS	NS	NS	NS

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	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)
			to Water (feet)								
MW1	08/15/93	321.44	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 ^e		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 ^f	
	03/31/99	28.10	293.34	0.00	<0.5	<0.5	<0.5	<0.5	<50	124/131 ^t	
06/30/99	33.94	287.50	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5		
08/03/99	37.94	283.50	0.00	NS	NS	NS	NS	NS	NS		
09/24/99	320.52	44.92	275.60	0.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5 ^f	
12/22/99	9.93	310.59	0.00	1.9	1.4	1.5	7.3	<50	990 ^f		
01/21/00	39.35	281.17	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f		
04/04/00	34.70	285.82	0.00	<1	<1	<1	<1	<50	<1		
MW2	04/02/88	NM	NM	NC	0.25	NS	NS	NS	NS	NS	NS

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

Monitoring Well	Date	Reference Elevation (feet)	Depth		Groundwater 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)
			to Water (feet)	Elevation (feet)							
MW2	04/04/88	NM	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
	04/19/88		36.51	285.05	0.00	NS	NS	NS	NS	NS	NS
	06/06/88		38.26	283.30	0.00	NS	NS	NS	NS	NS	NS
	06/23/88		38.83	282.73	0.00	NS	NS	NS	NS	NS	NS
	06/28/88		39.28	282.28	0.00	NS	NS	NS	NS	NS	NS
	07/06/88		39.85	281.71	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	07/13/88		40.31	281.25	0.00	<0.5	0.9	<0.5	<0.5	<20	NA
	08/12/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/26/88		42.01	279.55	0.00	NS	NS	NS	NS	NS	NS
	09/07/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
12/07/88		NM	NC	NM	NS	NS	NS	NS	NS	NS	

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW4	12/19/88	321.56	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 ^a	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 ^a	272.72	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	03/26/90		48.83	272.73	0.00	NS	NS	NS	NS	NS	NS
	04/18/90		48.90	272.66	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		50.03	271.53	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		50.98	270.58	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		53.57	267.99	0.00	NS	NS	NS	NS	NS	NS
	08/01/90		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/27/90		53.61	267.95	0.00	NS	NS	NS	NS	NS	NS
	09/28/90		53.57	267.99	0.00	NS	NS	NS	NS	NS	NS
	12/27/90		53.68	267.88	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/20/91		53.56	268.00	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/20/91		53.75	267.81	0.00	NS	NS	NS	NS	NS	NS
	09/12/91		53.70	267.86	0.00	NS	NS	NS	NS	NS	NS

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	Groundwater			Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
			to Water (feet)	Elevation (feet)	LPH Thickness (feet)							
MW4	12/30/91	321.56	NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	01/30/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	03/02/92		53.83	267.73	0.00	NS	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	NA
	04/14/92		53.76	267.80	0.00	NS	NS	NS	NS	NS	NS	NS
	05/21/92		54.73	266.83	0.00	NS	NS	NS	NS	NS	NS	NS
	06/08/92		53.80	267.76	0.00	NS	NS	NS	NS	NS	NS	NS
	07/14/92		53.60	267.96	0.00	NS	NS	NS	NS	NS	NS	NS
	08/10/92		53.71	267.85	0.00	NS	NS	NS	NS	NS	NS	NS
	09/16/92		53.89	267.67	0.00	NS	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	11/09/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	12/10/92		53.83	267.73	0.00	57	34	11	200	600	NA	NA
	01/26/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	02/16/93		53.64	267.92	0.00	NS	NS	NS	NS	NS	NS	NS
	03/11/93		53.54	268.02	0.00	NS	NS	NS	NS	NS	NS	NS
	04/12/93		53.62	267.94	0.00	20	10	22	80	360	NA	NA
	06/01/93		53.52	268.04	0.00	NS	NS	NS	NS	NS	NS	NS
	07/15/93		53.80	267.76	0.00	NS	NS	NS	NS	NS	NS	NS
	08/15/93		53.65	267.91	0.00	NS	NS	NS	NS	NS	NS	NS
	09/29/93		54.23	267.33	0.00	NS	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	10/28/93		53.54	268.25	0.00	NS	NS	NS	NS	NS	NS	NS
	11/23/93		53.57	267.99	0.00	NS	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	03/10-11/94		53.64	267.92	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	05/04-05/94		53.54	268.02	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	09/01/94 ^c		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	11/16/94		52.96	268.60	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	02/15/95		50.37	271.19	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	05/09/95		44.86	276.70	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA	NA
	08/21/95		41.71	279.85	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.6	2.6
	11/30/95		39.95	281.61	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0
	03/28/96		36.76	284.80	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0
	05/31/96		35.19	286.37	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0

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

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	08/28/96	321.56	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 ^{fh}
	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 ^f
12/22/99		NM	NC	NM	NS	NS	NS	NS	NS	NS	
04/04/00		NM	NC	NM	NS	NS	NS	NS	NS	NS	
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 ^b	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	

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Groundwater		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)
			Water (feet)	Elevation (feet)							
MW5S	07/19/89	321.64	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 ^a	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 ^a	272.75	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	03/26/90		48.88	272.76	0.00	NS	NS	NS	NS	NS	NS
	04/18/90		48.95	272.69	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		50.06	271.58	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		50.98	270.66	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		53.40	268.24	0.00	NS	NS	NS	NS	NS	NS
	08/01/90		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/27/90		53.60	268.04	0.00	NS	NS	NS	NS	NS	NS
	09/28/90		53.55	268.09	0.00	NS	NS	NS	NS	NS	NS
	12/27/90		53.61	268.03	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/20/91		53.56	268.08	0.00	NS	NS	NS	NS	NS	NS
	06/20/91		53.73	267.91	0.00	NS	NS	NS	NS	NS	NS
	09/12/91		53.78	267.86	0.00	NS	NS	NS	NS	NS	NS
	12/30/91		53.80	267.84	0.00	NS	NS	NS	NS	NS	NS
	01/30/92		53.82	267.82	0.00	NS	NS	NS	NS	NS	NS
	03/02/92		53.82	267.82	0.00	NS	NS	NS	NS	NS	NS
	04/14/92		53.74	267.90	0.00	NS	NS	NS	NS	NS	NS
	05/21/92		53.77	267.87	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		53.81	267.83	0.00	NS	NS	NS	NS	NS	NS
	07/14/92		53.74	267.90	0.00	NS	NS	NS	NS	NS	NS
	08/10/92		53.78	267.86	0.00	NS	NS	NS	NS	NS	NS

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	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)
			to Water (feet)								
MW5S	09/16/92	321.64	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
	10/28/93		54.62	267.02	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		53.62	268.02	0.00	NS	NS	NS	NS	NS	NS
	03/10-11/94		53.61	268.03	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		53.52	268.12	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 ^c		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

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

Monitoring Well	Date	Reference Elevation (feet)	Depth		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)	
			to Water (feet)										
MW5S	09/11/98	321.64	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 ^f	
	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	320.52	38.62		283.02	0.00	NS	NS	NS	NS	NS	NS	
	09/24/99		42.89		277.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5 ^f	
	12/22/99		42.05		278.47	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f	
	04/04/00		35.91		284.61	0.00	<1	<1	<1	<1	<50	<1	
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 ^c		NM		NC	NM	NS	NS	NS	NS	NS	NS	NS
	03/08/89 ^d		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			

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	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)
			to Water (feet)								
MW5D	11/28/89	321.79	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 ^f	271.99	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		49.77	272.02	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	04/18/90		49.80	271.99	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		51.32	270.47	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		52.10	269.69	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		53.47	268.32	0.00	NS	NS	NS	NS	NS	NS
	08/01/90		NM	NM	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	08/27/90		58.24	263.55	0.00	NS	NS	NS	NS	NS	NS
	09/29/90		60.70	261.09	0.00	NS	NS	NS	NS	NS	NS
	12/27/90		62.52	259.27	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/20/91		59.18	262.61	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/20/91		65.02	256.77	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/12/91		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	12/30/91		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	01/30/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	03/02/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	03/24/92		74.98	246.81	0.00	NS	NS	NS	NS	NS	NS
	04/14/92		74.42	247.37	0.00	NS	NS	NS	NS	NS	NS
	05/21/92		75.67	246.12	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	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

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

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	06/01/93	321.79	67.64	254.15	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		54.40	267.39	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/15/93		67.85	253.94	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/29/93		67.62	254.17	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/28/93		66.15	255.49	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		64.80	256.84	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		59.10	262.69	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		55.66	265.13	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 ^e		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

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

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	09/11/98	321.79	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 ^f
	12/09/98		32.70	289.09	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0 ^f
Duplicate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 ^f
Rinseate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 ^f
	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 ^{flh}
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 ^f
Duplicate	08/03/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 ^f
	09/24/99		44.25	277.54	0.00	<0.5	<0.5	<0.5	<0.5	<50	<0.5 ^f
Duplicate	09/24/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 ^f
Rinseate	09/24/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 ^f
	12/22/99		38.51	283.28	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f
Duplicate	12/22/99		NM	NC	NM	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f
	04/04/00		30.05	291.74	0.00	<1	<1	<1	<1	<50	<1
MW6	05/11/88	NM	37.31	NC	0.00	NS	NS	NS	NS	NS	NS
	05/17/88		NM	NM	NM	<0.5	<0.5	<0.5	<0.5	<20	NA
	06/06/88		38.70	NC	0.00	NS	NS	NS	NS	NS	NS
	06/23/88		39.23	NC	0.00	NS	NS	NS	NS	NS	NS
	06/28/88		39.74	NC	0.00	31.8	7.5	5.4	6.7	440	NA
	07/13/88		40.78	NC	0.00	162.3	7.7	22.5	14.1	290	NA
	08/05/88		41.72	NC	0.00	245	5.2	47.1	23.7	1,180	NA
	08/12/88		42.14	NC	0.00	NS	NS	NS	NS	NS	NS
	08/17/88		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/26/88		42.51	NC	0.00	NS	NS	NS	NS	NS	NS
	09/07/88		42.85	NC	0.00	474	16	262	136	2,920	NA
	10/24/88		Well destroyed								
MW7	07/13/88	321.27	40.50	280.77	0.00	860	1,910	710	4,420	16,700	NA
	07/22/88		41.85 ^a	279.42	0.00	136	85	5	58	460	NA

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

Monitoring Well	Date	Reference Elevation (feet)	Depth		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)
			to Water (feet)	Groundwater Elevation (feet)							
MW7	08/05/88	321.27	41.45 ^a	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 ^a	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 ^a	263.70	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		57.54 ^a	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 ^a	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 ^a	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 ^a	263.72	0.00	NS	NS	NS	NS	NS	NS
	05/17/90		57.40 ^a	263.87	0.00	NS	NS	NS	NS	NS	NS
	06/11/90		50.68	270.59	0.00	NS	NS	NS	NS	NS	NS
	07/30/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	08/27/90		53.05	268.22	0.00	NS	NS	NS	NS	NS	NS
	09/28/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	12/27/90		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/20/91		54.11	267.16	0.00	NS	NS	NS	NS	NS	NS
	06/20/91		55.14	266.13	0.00	<0.5	1.8	0.6	4.1	74	NA
	09/12/91		55.84	265.43	0.00	3.5	<0.5	1.7	6.8	<50	NA
	12/30/91		55.21	266.06	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/30/92		54.88	266.39	0.00	NS	NS	NS	NS	NS	NS
	03/02/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	03/24/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	04/14/92		NM	NC	NM	NS	NS	NS	NS	NS	NS
	05/21/92		53.36	267.91	0.00	NS	NS	NS	NS	NS	NS

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

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	06/08/92	321.27	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 ^e		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	11/16/94		52.74	268.53	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	02/15/95		50.05	271.22	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		44.61	276.66	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		41.40	279.87	0.00	<0.5	<0.5	<0.5	<0.5	<50	4.1
	11/30/95		39.64	281.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		36.42	284.85	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		34.87	286.40	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		39.11	282.16	0.00	NS	NS	NS	NS	NS	NS
	11/18/96		39.10	282.17	0.00	NS	NS	NS	NS	NS	NS
	02/28/97		34.03	287.24	0.00	NS	NS	NS	NS	NS	NS
	05/23/97		34.36	286.91	0.00	NS	NS	NS	NS	NS	NS
	09/23/97		38.66	282.61	0.00	<0.5	<0.5	<0.5	<0.5	<50	4.4
	12/30/97		37.45	283.82	0.00	NS	NS	NS	NS	NS	NS

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	Groundwater			Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
			to Water (feet)	Elevation (feet)	LPH Thickness (feet)							
MW7	03/24/98	321.27	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	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	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	NS
	09/24/99		42.59	278.68	0.00	<0.5	<0.5	<0.5	<0.5	<50	11.7 ^f	
	12/22/99		41.69	279.58	0.00	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0 ^f	
	04/04/00		35.45	285.82	0.00	<1	<1	<1	<1	<50	<1	
MW8	10/01/89	321.86	53.88	267.98	0.00	NS	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	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	NS
	01/26/90		53.57	268.29	0.00	NS	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	NS
	03/26/90		52.80 ^a	269.06	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA	
	(Blank)		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<20	NA	
	04/18/90		51.60	270.26	0.00	<0.5	0.58	<0.5	1.1	<20	NA	
	05/17/90		58.21	263.65	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA	
	06/11/90		58.65	263.21	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA	
	07/30/90		64.33	257.53	0.00	NS	NS	NS	NS	NS	NS	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	NS		
10/14/91	NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA			

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

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	12/30/91	321.86	81.15	240.71	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	01/30/92		81.69	240.17	0.00	NS	NS	NS	NS	NS	NS
	03/02/92		78.45	243.41	0.00	NS	NS	NS	NS	NS	NS
	03/24/92		76.55	245.31	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	04/14/92		75.56	246.30	0.00	NS	NS	NS	NS	NS	NS
	05/21/92		86.99	234.87	0.00	NS	NS	NS	NS	NS	NS
	06/08/92		91.69	230.17	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	07/14/92		94.65	227.21	0.00	NS	NS	NS	NS	NS	NS
	08/10/92		95.02	226.84	0.00	NS	NS	NS	NS	NS	NS
	09/16/92		91.90	229.96	0.00	<0.5	0.9	<0.5	<0.5	<50	NA
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/09/92		84.35	237.51	0.00	NS	NS	NS	NS	NS	NS
	12/10/92		82.20	239.66	0.00	<0.5	0.6	<0.5	<0.5	<50	NA
	01/26/93		78.63	243.23	0.00	NS	NS	NS	NS	NS	NS
	02/16/93		76.90	244.96	0.00	0.7	0.6	<0.5	2.3	<50	NA
	03/11/93		74.39	247.47	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		71.20	250.66	0.00	26	7.3	11	38	230	NA
	06/01/93		68.04	253.82	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		78.05	243.81	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		78.45	243.41	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		73.64	248.22	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	10/28/93		67.53	253.91	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		64.68	256.76	0.00	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		59.26	262.60	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/04-05/94		56.84	265.02	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	09/01/94 ^e		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

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW8	05/31/96	321.86	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	09/23/09		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.5
	12/30/97		39.81	282.05	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
Duplicate	12/30/97		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
Rinseate	12/30/97		NM	NC	NM	<0.5	0.52	<0.5	<0.5	<50	3.2 ^f
	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
	12/09/98		28.96	292.90	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.0 ^f
Duplicate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 ^f
Rinseate	12/09/98		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<2.0 ^f
	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 ^{6h}
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 ^f
Duplicate	08/03/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	0.659 ^f
Rinseate	08/03/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	<0.5 ^f
	09/24/99		50.95	270.91	0.00	<0.5	<0.5	<0.5	<0.5	<50	0.777 ^f
Duplicate	09/24/99		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	0.776 ^f

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

Monitoring Well	Date	Reference Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	LPH Thickness (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
MW8	12/22/99	321.86	38.59	283.27	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f
Duplicate	12/22/99		NM	NC	NM	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f
Rinseate	12/22/99		NM	NC	NM	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f
	04/04/00		36.21	285.65	0.00	<1	<1	<1	<1	<50	3.3/<5 ^f
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 ^a	272.38	0.00	1,200	7,100	2,300	14,000	97,000	NA
	02/23/90		49.05	272.39	0.00	NS	NS	NS	NS	NS	NS
	03/26/90		48.75 ^a	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

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	Groundwater			Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
			to Water (feet)	Elevation (feet)	LPH Thickness (feet)							
MW9	04/14/92	321.44	NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	05/21/92		NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	06/08/92		NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	07/14/92		NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	08/10/92		NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	09/16/92		NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	10/07/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	11/09/92		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	12/10/92		NM	NC	NM	NS	NS	NS	NS	NS	NS	NS
	01/26/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	02/16/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	03/11/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	04/12/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	06/01/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	07/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	08/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	09/29/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	10/28/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	11/23/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS
	03/10-11/94	NM	NC	Dry	NS	NS	NS	NS	NS	NS	NS	
	05/04-05/94	NM	NC	Dry	NS	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 ^f		
03/24/98		31.32	289.36	0.00	11,000	16,000	1,200	6,200	62,000	7,000		

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

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	06/15/98	320.68	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 ^f
	03/31/99		27.77	292.91	0.00	2,560	4,100	118	3,090	18,400	3,850/4,950 ^f
	06/30/99		32.57	288.11	0.00	0.883	1.43	<0.5	1.24	<50	7.05/5.81 th
	08/03/99		36.24	284.44	0.00	1.20	1.70	<0.5	0.60	91.1	<0.5 ^f
	09/24/99	320.26	41.65	278.61	0.00	2.60/3.13 ⁱ	1.06	<0.5	1.17	<50	3.92 ^f
	12/22/99		40.55	279.71	0.00	860/870 ⁱ	380/380 ⁱ	<5.0/<5.0 ⁱ	2,190/2,170 ⁱ	7,300	4,300 ^f
	04/04/00		34.69	285.57	0.00	2.7	2.5	<1	9	<50	310/300 ^f
MW10	10/12/89	322.99	51.93	271.06	0.00	<0.5	<0.5	<0.5	<0.5	20	NA
	11/28/89		51.88	271.11	0.00	NS	NS	NS	NS	NS	NS
	12/20/89		51.47	271.52	0.00	<0.5	<0.5	<0.5	<0.5	<20	NA
	01/09/90		50.98	272.01	0.00	NS	NS	NS	NS	NS	NS
	01/26/90		50.87	272.12	0.00	NS	NS	NS	NS	NS	NS
	02/23/90		50.67 ^a	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 ^a	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	

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

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	07/14/92	322.99	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
	04/12/93		57.84	265.15	0.00	21	11	21	75	350	NA
	06/01/93		57.88	265.11	NM	NS	NS	NS	NS	NS	NS
	07/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	08/15/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	09/29/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	10/28/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	11/23/93		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	03/10-11/94		NM	NC	Dry	NS	NS	NS	NS	NS	NS
	05/04-05/94		57.21	265.78	Dry	NS	NS	NS	NS	NS	NS
	09/01/94 ^e		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

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	Groundwater			Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
			to Water (feet)	Elevation (feet)	LPH Thickness (feet)	Elevation (feet)						
MW10	12/09/98	322.99	34.32	288.67	0.00	NS	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	<2.0
	06/30/99		36.36	286.63	0.00	<0.5	<0.5	<0.5	<0.5	<50	<2.5	<2.5
	08/03/99		39.95	283.04	0.00	NS	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 ^f	19.30 ^f
	12/22/99		43.39	279.60	0.00	9.5	5.3	3.9	25.1	140	<5.0 ^f	<5.0 ^f
	04/04/00			37.18	285.81	0.00	<1	<1	<1	<1	<50	<1
MW11	11/10/89	321.77	50.64	272.13	0.00	NS	NS	NS	NS	NS	NS	NS
	11/16/89		NM	NC	NM	4.1	9.4	0.74	20	150	NA	NA
	11/28/89		50.51	272.26	0.00	NS	NS	NS	NS	NS	NS	NS
	12/20/89		51.47	271.30	0.00	7.2	7.5	2.9	13	150	NA	NA
	01/09/90		49.68	273.09	0.00	NS	NS	NS	NS	NS	NS	NS
	01/26/90		49.55	273.22	0.00	NS	NS	NS	NS	NS	NS	NS
	02/23/90		49.37 ^a	273.40	0.00	NS	NS	NS	NS	NS	NS	NS
	02/23/90		49.35	273.42	0.00	NS	NS	NS	NS	NS	NS	NS
	03/26/90		49.03 ^a	273.74	0.00	<0.5	<0.5	<0.5	2.7	32	NA	NA
	04/18/90		49.12	273.65	0.00	NS	NS	NS	NS	NS	NS	NS
	05/17/90		50.30	272.47	0.00	NS	NS	NS	NS	NS	NS	NS
	06/11/90		51.16	271.61	0.00	NS	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	NA
	08/27/90		53.65	269.12	0.00	NS	NS	NS	NS	NS	NS	NS
	09/28/90		53.62	269.15	0.00	NS	NS	NS	NS	NS	NS	NS
	12/27/90		53.63	269.14	0.00	NS	NS	NS	NS	NS	NS	NS
	03/20/91		53.26	269.51	0.00	NS	NS	NS	NS	NS	NS	NS
	06/20/91		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS	NS
	09/12/91		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS	NS
	12/30/91		53.95	268.82	0.00	NS	NS	NS	NS	NS	NS	NS
01/30/92		53.65	269.12	0.00	NS	NS	NS	NS	NS	NS	NS	
03/02/92		53.68	269.09	0.00	NS	NS	NS	NS	NS	NS	NS	
03/24/92		53.70	269.07	0.00	NS	NS	NS	NS	NS	NS	NS	
04/14/92		53.66	269.11	0.00	NS	NS	NS	NS	NS	NS	NS	
05/21/92		53.62	269.15	0.00	NS	NS	NS	NS	NS	NS	NS	
06/08/92		53.61	269.16	0.00	NS	NS	NS	NS	NS	NS	NS	
07/14/92		53.53	269.24	0.00	NS	NS	NS	NS	NS	NS	NS	

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

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	08/10/92	321.77	53.58	269.19	0.00	NS	NS	NS	NS	NS	NS
	09/16/92		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	10/07/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	11/09/92		DRY	DRY	NM	NS	NS	NS	NS	NS	NS
	12/10/92		53.59	269.18	0.00	NS	NS	NS	NS	NS	NS
	01/26/93		53.67	269.10	0.00	NS	NS	NS	NS	NS	NS
	02/16/93		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	03/11/93		53.58	269.19	0.00	NS	NS	NS	NS	NS	NS
	04/12/93		53.54	269.23	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	06/01/93		53.52	269.25	0.00	NS	NS	NS	NS	NS	NS
	07/15/93		53.60	269.17	0.00	NS	NS	NS	NS	NS	NS
	08/15/93		53.55	269.22	0.00	NS	NS	NS	NS	NS	NS
	09/29/93		53.62	269.15	0.00	NS	NS	NS	NS	NS	NS
	09/30/93		NM	NC	NM	NS	NS	NS	NS	NS	NS
	10/28/93		53.63	269.14	0.00	NS	NS	NS	NS	NS	NS
	11/23/93		53.58	268.19	0.00	NS	NS	NS	NS	NS	NS
	11/24/93		NM	NC	NM	<0.5	<0.5	<0.5	<0.5	<50	NA
	03/10-11/94		53.61	268.16	0.00	NS	NS	NS	NS	NS	NS
	05/04-05/94		53.51	268.26	0.00	NS	NS	NS	NS	NS	NS
	11/16/94		53.46	268.31	0.00	NS	NS	NS	NS	NS	NS
	02/15/95		50.57	271.20	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	05/09/95		45.05	276.72	0.00	<0.5	<0.5	<0.5	<0.5	<50	NA
	08/21/95		41.88	279.89	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.8
	11/30/95		40.04	281.73	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	03/28/96		36.90	284.87	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	05/31/96		35.34	286.43	0.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0
	08/28/96		39.56	282.21	0.00	NS	NS	NS	NS	NS	NS
	11/18/96		39.56	282.21	0.00	NS	NS	NS	NS	NS	NS
	02/28/97		34.50	287.27	0.00	NS	NS	NS	NS	NS	NS
	05/23/97		34.80	286.97	0.00	NS	NS	NS	NS	NS	NS
	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

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

Monitoring Well	Date	Reference Elevation (feet)	Depth	Groundwater			Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)
			to Water (feet)	Elevation (feet)	LPH Thickness (feet)	Elevation (feet)						
MW11	12/09/98	321.77	33.06	288.71	0.00	NS	NS	NS	NS	NS	NS	NS
	03/31/99		29.31	292.46	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.79/2.64 ^f	
	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	NS
	09/24/99	321.73	43.08	278.65	0.00	<0.5	<0.5	<0.5	<0.5	<50	3.93 ^f	
	12/22/99		40.94	280.79	0.00	<1.0	<1.0	<1.0	<1.0	<50	<5.0 ^f	
	04/04/00		35.91	285.82	0.00	<1	<1	<1	<1	<50	<1	
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 ^{fh}	
	08/03/99		19.53	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	2.49 ^f	
	09/24/99	321.00	19.73	301.27	0.00	<0.5	<0.5	<0.5	<0.5	<50	5.94 ^f	
	12/22/99		21.35	299.65	0.00	<1.0	<1.0	<1.0	<1.0	<50	10 ^f	
	04/04/00		19.23	301.77	0.00	<1	<1	<1	<1	<50	4,500/5,500^f	
VR2	06/30/99		33.63	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,080/1,160 ^{fh}	
	08/03/99		37.19	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	3,390 ^f	
	09/24/99	320.18	41.54	278.64	0.00	2,650	<50	<50	309	5,170	1,030 ^f	
	12/22/99		40.63	279.55	0.00	<1.0	<1.0	<1.0	<1.0	<50	34 ^f	
	01/21/00		39.04	281.14	0.00	<1.0	<1.0	<1.0	<1.0	<50	17 ^f	
	04/04/00		35.63	284.55	0.00	<1	<1	<1	<1	<50	370/400^f	
VR3	06/30/99		9.15	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	1,220/1,380 ^{fh}	
	08/03/99		8.19	NC	0.00	<0.5	<0.5	<0.5	<0.5	<50	16,100 ^f	
	09/24/99	318.73	8.97	309.76	0.00	7.20	1.14	<1.0	1.94	122	10,900 ^f	
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 ^g	3.96 ^f	
	09/24/99	321.19	9.10	312.09	0.00	0.890	2.22	0.800	3.15	79.6	90.6 ^f	
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 ^f	
	12/22/99		10.93	311.52	0.00	12	<5.0	<5.0	5.2	360	44,000 ^f	
	04/04/00		10.83	311.62	0.00	1	<1	<1	<1	120	5,300/6,800^f	

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

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)
OW2	09/24/99	321.55	9.48	312.07	0.00	31.1	<0.5	<0.5	20.6	275 ^b	177,000 ^f
	12/22/99		10.13	311.42	0.00	<5.0	<5.0	<5.0	5.2	410	85,000 ^f
	04/04/00		10.00	NC	NM	NS	NS	NS	NS	NS	NS
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
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 ^f
PMW3	12/22/99	321.27	12.61	308.66	0.00	NS	NS	NS	NS	NS	NS
	04/04/00		9.78	311.49	0.00	<1	<1	<1	<1	<50	250/310 ^f
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 ^f
PMW5	12/22/99	320.04	13.19	306.85	0.00	1.0	<1.0	<1.0	<1.0	<50	810 ^f
	04/04/00		9.61	310.43	0.00	<1	<1	<1	<1	<50	680/890 ^f
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

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.

µg/L = Micrograms per liter.

TPH = Total petroleum hydrocarbons.

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

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)
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MTBE = Methyl tertiary butyl ether.

LPH = Liquid-phase hydrocarbons.

NA = Not analyzed.

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

NS = Not sampled.

NM = Measurement not taken.

NC = Not calculated.

N/A = Not applicable.

Appendix A

Field Documents

MONITORING WELL DATA FORM

Client: EXXON

Date: 4/4/00

Project Number: UP3399.1

Station Number: 7-3399

Site Location: 2991 HOPYARD RD. PLEASANTON, CA

Samplers: JOHN ORTEGA

MONITORING WELL NUMBER	DEPTH TO WATER (TOG)	DEPTH TO PRODUCT (TOG)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	MONITORING WELL INTEGRITY	DEPTH TO BOTTOM (TOG)	WELL CASING DIAMETER
MW-5D	30.05	NONE	0	0	GOOD		4
MW-5S	35.91	NONE	0	0	GOOD		4
PMW-2	10.65	NONE	0	0	GOOD		4
PMW-3	9.78	NONE	0	0	GOOD		4
PMW-4	10.60	NONE	0	0	GOOD		4
MW1	34.70	NONE	0	0	GOOD		4
MW-7	35.45	NONE	0	0	GOOD		4
MW-8	36.21	NONE	0	0	GOOD		4
MW-11	35.91	NONE	0	0	GOOD		4
VR-1	19.23	NONE	0	0	GOOD		4
VR-2	35.63	NONE	0	0	GOOD		2
MW-10	37.18	NONE	0	0	GOOD		4
PMW-5	9.61	NONE	0	0	GOOD		4
OW1	10.83	NONE	0	0	GOOD		4
OW2	10.00	NONE	0	0	GOOD		4
MW-9	34.69	NONE	0	0	GOOD		4
PMW-6	15.10	NONE	0	0	GOOD		4

GROUNDWATER PURGE AND SAMPLE

Project Name: EXXON 7-3399 Well No: MWSD Date: 4/4/00
 Project No: UP3399.1B Personnel: John Ortega

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
				1	2	4	6		
	77.50	30.05	47.45	0.04	0.16	0.64	1.44	30,36	91.1

PURGING DATA

Purge Method: check V41

Purge Depth:

Purge Rate: 1.5 (gpm)

Time: <u>9:30</u>	<u>9:45</u>	<u>10:00</u>	<u>10:20</u>					
Volume Purge (gal)	<u>30.3</u>	<u>60.3</u>	<u>91.1</u>					
Temperature (C)	<u>16.8</u>	<u>12.1</u>	<u>16.9</u>					
pH	<u>6.8</u>	<u>7.0</u>	<u>7.0</u>					
Spec. Cond. (umhos)	<u>1290</u>	<u>1330</u>	<u>1300</u>					
Turbidity/Color	/							
Odor (Y/N)	<u>NO</u>	<u>NO</u>	<u>NO</u>					
Casing Volumes								
Dewatered (Y/N)	<u>NO</u>							

Comments/Observations: Needs New look

SAMPLING DATA

Time Sampled: 10:20 10:30

Approximate Depth to Water During Sampling: 31.0 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<u>MWSD</u>	<u>4</u>	<u>VDA</u>	<u>AC1</u>	<u>40 ml</u>	/	
					/	
					/	

Total Purge Volume:

(gallons)

Disposal:

Weather Conditions: check

Condition of Well Box and Casing at Time of Sampling: good

Well Head Conditions Requiring Correction: good

Problems Encountered During Purging and Sampling: NO

Comments:

GROUNDWATER PURGE AND SAMPLE

Project Name: EXXON 2-3399 Well No: MWSS Date: 4/4/00
 Project No: UP3399.1B Personnel: John Ortega

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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	35.91	18.69	1	2	4	6	11.96	35.8
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method: WATING CHECK VAL

Purge Depth:

Purge Rate: 1.5 (gpm)

Time	9:30	9:45	10:00	10:14				
Volume Purge (gal)	11.9	23.0	34.0					
Temperature (C)	16.5	16.9	17.0					
pH	6.8	6.9	6.8					
Spec. Cond. (umhos)	1930	1960	1970					
Turbidity/Color	/	/	/	/	/	/	/	/
Odor (Y/N)	W							
Casing Volumes								
Dewatered (Y/N)								

Comments/Observations:

SAMPLING DATA

Time Sampled: 1020

Approximate Depth to Water During Sampling: 36.1 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
<u>MWSS</u>	<u>4</u>	<u>VOAS</u>	<u>HCl</u>	<u>40 ml</u>	/	
					/	
					/	

Total Purge Volume: (gallons)

Disposal:

Weather Conditions: Clear

Condition of Well Box and Casing at Time of Sampling: good

Well Head Conditions Requiring Correction: NO

Problems Encountered During Purging and Sampling:

Comments:



GROUNDWATER PURGE AND SAMPLE

Project Name: **EXXON 7-3399**

Well No: **PMW-2**

Date: **4/4/00**

Project No: **UP3399.1B**

Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
		15.74	10.65	5.09	1 0.04	2 0.16	4 0.64	6 1.44	3.2

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate:

(gpm)

Time	1435	1440	1443			
Volume Purge (gal)	3.2	6.4	9.6 7.5			
Temperature (C)	17.4	17.7	NM			
pH	6.8	6.9				
Spec. Cond. (umhos)	1250	1300				
Turbidity/Color						
Odor (Y/N)						
Casing Volumes						
Dewatered (Y/N)	NO	NO	YES			

Comments/Observations:

SAMPLING DATA

Time Sampled: **1450**

Approximate Depth to Water During Sampling: **10.90 (feet)**

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
PMW 2	4	VOA	HCL	40 ml		

Total Purge Volume: **10.0 (gallons)**

Disposal: **855**

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: **PMW-3** Date: **4/4/00**

Project No: **UP3399.1B**

Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
	15.72	9.78	5.94	1	2	4	6	3.8	11.4
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate:

(gpm)

Time	1405	1410	1415			
Volume Purge (gal)	3.8	7.6	10.9			
Temperature (C)	16.4	15.8	16.1			
pH	7.3	7.5	7.4			
Spec. Cond. (umhos)	480	500	500			
Turbidity/Color	/					
Odor (Y/N)	/					
Casing Volumes	/					
Dewatered (Y/N)	/					

Comments/Observations:

SAMPLING DATA

Time Sampled: **1425**

Approximate Depth to Water During Sampling: **10** (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
PMW-3	4	VOR	HCl	40ml	/	
					/	
					/	

Total Purge Volume: **11.0** (gallons)

Disposal: **S.S.S**

Weather Conditions: **Clear**

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

Well Head Conditions Requiring Correction: **//**

Problems Encountered During Purging and Sampling: **None**

Comments:

GROUNDWATER PURGE AND SAMPLE

Project Name: **EXXON 7-3399** Well No: **PMW-4** Date: **4/4/00**
 Project No: **UP3399.1B** Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
	15.72	10.60	35.61	5.12	1	4	6	3.2	10.0
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate: **1.5** (gpm)

Time	1110	1115	1117			
Volume Purge (gal)	3.2	6.4	0.0			
Temperature (C)	18.7	18.6	NM			
pH	7.4	7.5	NM			
Spec. Cond. (umhos)	850	870	NM			
Turbidity/Color	/					
Odor (Y/N)						
Casing Volumes						
Dewatered (Y/N)			Yes			

Comments/Observations:

SAMPLING DATA

Time Sampled: **1130**

Approximate Depth to Water During Sampling: **11.21** (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
PMW-4	4	VOT	ACI	40 ml	/	
					/	
					/	

Total Purge Volume: **8** (gallons)

Disposal:

Weather Conditions: **Clear**

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

Well Head Conditions Requiring Correction:

Problems Encountered During Purging and Sampling: **NONE**

Comments:

GROUNDWATER PURGE AND SAMPLE

Project Name: EXXON 7-3399 Well No: MW-1 Date: 4/4/00
 Project No: UP3399.1B Personnel: John Ortega

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
				1	2	4	6		
	<u>55.15</u> <u>35.00</u>	<u>34.70</u>	<u>20.45</u>	0.04	0.16	0.64	1.44	<u>13.0</u>	<u>39.0</u>

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate:

(gpm)

Time	Purge Depth	Purge Rate	Volume Purge (gal)	Temperature (C)	pH	Spec. Cond. (umhos)	Turbidity/Color	Odor (Y/N)	Casing Volumes	Dewatered (Y/N)									
<u>1345</u>	<u>1356</u>	<u>1405</u>	<u>1415</u>	<u>13.0</u>	<u>26.0</u>	<u>39.0</u>	<u>18.3</u>	<u>17.8</u>	<u>17.5</u>	<u>7.5</u>	<u>7.0</u>	<u>6.9</u>	<u>1670</u>	<u>1740</u>	<u>1740</u>	/	<u>N</u>		<u>N</u>

Comments/Observations:

SAMPLING DATA

Time Sampled: 1420

Approximate Depth to Water During Sampling: 35.1 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
<u>MW-1</u>	<u>4</u>	<u>Void</u>	<u>HCl</u>	<u>40 ml</u>	/	

Total Purge Volume: 39 (gallons)

Disposal:

Weather Conditions: Clear

Condition of Well Box and Casing at Time of Sampling: good

Well Head Conditions Requiring Correction: 11

Problems Encountered During Purging and Sampling: NONE

Comments:

GROUNDWATER PURGE AND SAMPLE

Project Name: **EXXON 7-3399**

Well No: **MW7**

Date: **4/4/00**

Project No: **UP3399.1B**

Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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	35.45	22.1	1	2	4	6	14.1	42.3
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate:

(gpm)

Time	1400	1420	1435			
Volume Purge (gal)	14.1	28.2	42.3			
Temperature (C)	18.1	18.1	18.2			
pH	7.1	7.3	6.9			
Spec. Cond. (umhos)	1670	1650	1640			
Turbidity/Color	/					
Odor (Y/N)	/					
Casing Volumes	/					
Dewatered (Y/N)	/					

Comments/Observations: **well CASE IS shell 80 5" diameter
Need new cap - there was no cap when opened.**

SAMPLING DATA

Time Sampled: **1440**

Approximate Depth to Water During Sampling: **36.1 (feet)**

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (ml or l)	Turbidity/Color	Analysis Method
MW7	4	VOF	ICE	40 ml	/	
					/	
					/	

Total Purge Volume: **41** (gallons)

Disposal:

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 2-3399** Well No: **MW 8** Date: **10/10/00**
 Project No: **UP3399.1B** Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier to Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	137.90	36.21	101.69	1	65.0	195
				0.04 0.16 0.64 1.44		

PURGING DATA

Purge Method: **MANUAL CHECK VAL.**

Purge Depth:

Purge Rate: **1.5** (gpm)

Time	1120	1210	1300			
Volume Purge (gal)	65.0	130.0	195.0			
Temperature (C)	17.4	18.0	17.8			
pH	7.4	7.5	7.8			
Spec. Cond. (umhos)	610	610	540			
Turbidity/Color	/	/	/			
Odor (Y/N)	NO	NO	NO			
Casing Volumes						
Dewatered (Y/N)	NO					

Comments/Observations: **Need Key or New Lock**
Bailer found in well could not pull up.
SPILL IN WELL

SAMPLING DATA

Time Sampled: **1330**

Approximate Depth to Water During Sampling: **36.30** (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
MW 8	4	VOB'S	HCl	40ml	/	70M-G MEX
					/	
					/	

Total Purge Volume: **195** (gallons)

Disposal: **555**

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: **NO PRO**

Comments: **Start Quarter Open well in CROWN TUB END**
MANUAL CHECK VAL.



GROUNDWATER PURGE AND SAMPLE

Project Name: **EXXON 7-3399** Well No: **MW11** Date: **4/4/00**

Project No: **UP3399.1B** Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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	35.91	22.39	1	2	4	6	14.3	42.9
			0.04	0.16	0.64	1.44			

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate: **1.5** (gpm)

Time	1545	1559	1600			
Volume Purge (gal)	14.3	28.6	42.9			
Temperature (C)	12.8	18.1	18.2			
pH	7.4	7.0	6.9			
Spec. Cond. (umhos)	1630	1660	1660			
Turbidity/Color	/					
Odor (Y/N)	NO	NO	NO			
Casing Volumes						
Dewatered (Y/N)	NO		→			

Comments/Observations:

SAMPLING DATA

Time Sampled: **1620**

Approximate Depth to Water During Sampling: **56** (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
MW11	4	VOA	HCl	40ml	/	
					/	
					/	

Total Purge Volume: **43** (gallons)

Disposal: **S.S.S.**

Weather Conditions: **Clear**

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

Well Head Conditions Requiring Correction: **- sabel**

Problems Encountered During Purging and Sampling: **NO**

Comments:



GROUNDWATER PURGE AND SAMPLE

Project Name: **EXXON 7-3399**

Well No: **VR-1**

Date: **4/4/00**

Project No: **UP3399.1B**

Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
				1	2	4	6		
	30.85	19.23	11.62	0.04	0.16	0.64	1.44	7.4	22.3

PURGING DATA

Purge Method: **WATERBURY CV**

Purge Depth:

Purge Rate: **1.5** (gpm)

Time	1605	1610	1615			
Volume Purge (gal)	7.4	14.8	22.2			
Temperature (C)	19.2	19.1	18.9			
pH	7.5	7.2	7.2			
Spec. Cond. (umhos)	990	1000	970			
Turbidity/Color	/					
Odor (Y/N)	NO →					
Casing Volumes						
Dewatered (Y/N)	NO →					

Comments/Observations:

SAMPLING DATA

Time Sampled: **1625**

Approximate Depth to Water During Sampling:

(feet) **31.0**

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
VR-1	4	40ml	HCl	40ml	/	
					/	
					/	

Total Purge Volume: **22** (gallons)

Disposal: **SSS**

Weather Conditions: **Clear**

Condition of Well Box and Casing at Time of Sampling: **GOOD - Need Keys or New locks**

Well Head Conditions Requiring Correction: **Good**

Problems Encountered During Purging and Sampling: **NO**

Comments:

GROUNDWATER PURGE AND SAMPLE

Project Name: EXXON 2-3399 Well No: W-2 Date: 4/4/00
 Project No: UP3399.1B Personnel: John Ortega

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
		43.51	35.63	7.88	1 0.04	2 0.16	4 0.64	6 1.44	1.2

PURGING DATA

Purge Method: WATER CV

Purge Depth:

Purge Rate: 1.8 (gpm)

Time	1333	1340	1342			
Volume Purge (gal)	1.2	2.4	3.6			
Temperature (C)	18.5	18.4	18.6			
pH	8.4	8.0	7.90			
Spec. Cond. (umhos)	1340	1350	1340			
Turbidity/Color	/					
Odor (Y/N)	NO →					
Casing Volumes						
Dewatered (Y/N)	NO →					

Comments/Observations:

SAMPLING DATA

Time Sampled: 1350

Approximate Depth to Water During Sampling: 36.0 (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
<u>W-2</u>	<u>4</u>	<u>VOR</u>	<u>HCl</u>	<u>40 ml</u>	/	
					/	
					/	

Total Purge Volume: 4.0 (gallons)

Disposal: S.S.S

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: **MW10** Date: **4/4/00**
 Project No: **UP3399.1B** Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
				1	2	4	6		
	58.30	37.18	21.12	0.04	0.16	0.64	1.44	13.5	40.5

PURGING DATA

Purge Method: **1510** Purge Depth: Purge Rate: (gpm)

Time	1500	1520	1520			
Volume Purge (gal)	13.5	27.0	40.5			
Temperature (C)	18.3	18.3	18.1			
pH	7.1	6.9	7.0			
Spec. Cond. (umhos)	1720	1720	1720			
Turbidity/Color	/	/	/	/	/	/
Odor (Y/N)						
Casing Volumes						
Dewatered (Y/N)						

Comments/Observations:

SAMPLING DATA

Time Sampled: **1525** Approximate Depth to Water During Sampling: **37.5 (feet)**

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
MW10	4	VOA	HCl	40 ml	/	
					/	
					/	

Total Purge Volume: **40** (gallons)

Disposal: **S.S.S**

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 2-3399**

Well No: **PMW-5** Date: **4/4/00**

Project No: **UP3399.1B**

Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)		
	20.00	9.61	10.39	1	4	6	0.04	0.16	0.64	1.44	6.6

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate:

(gpm)

Time: 308	1315	RAW DRY						
Volume Purge (gal)	6.6	13.2	19.8					
Temperature (C)	13.7							
pH	11.3							
Spec. Cond. (umhos)	3670							
Turbidity/Color	/							
Odor (Y/N)	N							
Casing Volumes								
Dewatered (Y/N)	N							

Comments/Observations: **well RAW DRY AT 10 yellow pit IS High: Recal pH meter and Double checked with the second pH meter STILL AT 11.0**

SAMPLING DATA

Time Sampled: **1400**

Approximate Depth to Water During Sampling: **10** (feet)

Comments: **pumped out 90 gal of H₂O in well box**

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
PMW-5	4	VOT	HCl	40ml	/	
					/	
					/	

Total Purge Volume: ~~12.2~~ **19.8** (gallons)

Disposal: **S.S.S**

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: **Well RAW DRY**

GROUNDWATER PURGE AND SAMPLE

Project Name: **EXXON 7-3399**

Well No: **OW-1**

Date: **4/4/06**

Project No: **UP3399.1B**

Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
				1	2	4	6		
	20.00	10.73	9.17	0.04	0.16	0.64	1.44	4.2	12.6

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate:

(gpm)

Time	1423	1430	1435			
Volume Purge (gal)	4.2	8.4				
Temperature (C)	15.8	16.0	16.2			
pH	6.8	6.7	6.6			
Spec. Cond. (umhos)	470	480	490			
Turbidity/Color	/	/	/			
Odor (Y/N)	N					
Casing Volumes						
Dewatered (Y/N)	N					

Comments/Observations:

SAMPLING DATA

Time Sampled: **1440**

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
OW-1	4	VOPF	HCl	40 ml	/	
					/	
					/	

Total Purge Volume: **10** (gallons)

Disposal:

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:

WHP

Comments:



GROUNDWATER PURGE AND SAMPLE

Project Name: EXXON 7-3399 Well No: 042 Date: 4/4/00
 Project No: UP3399.1B Personnel: John Ortega

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
				1	2	4	6		
	10.30	10.00	—	1 0.04	2 0.16	4 0.64	6 1.44	—	—

PURGING DATA

Purge Method: _____ Purge Depth: _____ Purge Rate: _____ (gpm)

Time	<i>DRY WELL</i>				
Volume Purge (gal)					
Temperature (C)					
pH					
Spec. Cond. (umhos)					
Turbidity/Color					
Odor (Y/N)					
Casing Volumes					
Dewatered (Y/N)					

Comments/Observations: NO SAMPLE DRY WELL

SAMPLING DATA

Time Sampled: _____ 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

Total Purge Volume: _____ (gallons) Disposal: _____

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 2-3399** Well No: **MW 9** Date: **4/4/00**
 Project No: **UP3399.1B** Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method: **water level**

Measuring Point Description:

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)
		53.50	34.69	18.81	1	2	4	6	12.0
				0.04	0.16	0.64	1.44		

PURGING DATA

Purge Method: _____ Purge Depth: _____ Purge Rate: _____ (gpm)

Time	1207	1218	1225			
Volume Purge (gal)	12.0	24.0	36.0			
Temperature (C)	19.0	18.8	18.5			
pH	6.8	6.8	6.8			
Spec. Cond. (umhos)	1480	1630	16.30			
Turbidity/Color	/					
Odor (Y/N)						
Casing Volumes						
Dewatered (Y/N)						

Comments/Observations: **SPACE HOSE PULL FOR SAMPLES replaced after**

SAMPLING DATA

Time Sampled: **1230** Approximate Depth to Water During Sampling: **36.0** (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/Color	Analysis Method
MW-9	4	UDAS	HC1	40ml	/	
					/	
					/	
					/	

Total Purge Volume: **36** (gallons) Disposal: _____

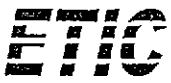
Weather Conditions: **Clear**

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:



Engineering, Inc.

GROUNDWATER PURGE AND SAMPLE

Project Name: **EXXON 7-3399**

Well No: **AW-6**

Date: **4/4/00**

Project No: **UP3399.1B**

Personnel: **John Ortega**

GAUGING DATA

Water Level Measuring Method:

Measuring Point Description:

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)
	15.32	15.10	—	1 0.04	2 0.16	4 0.64	6 1.44		

PURGING DATA

Purge Method:

Purge Depth:

Purge Rate:

(gpm)

Time	DRY WELL				
Volume Purge (gal)					
Temperature (C)					
pH					
Spec Cond. (umhos)					
Turbidity/Color					
Odor (Y/N)					
Casing Volumes					
Dewatered (Y/N)					

Comments/Observations: **NO SAMPLE DRY WELL**

SAMPLING DATA

Time Sampled:

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

Total Purge Volume: (gallons)

Disposal:

Weather Conditions:

Condition of Well Box and Casing at Time of Sampling:

Well Head Conditions Requiring Correction: **good**

Problems Encountered During Purging and Sampling:

Comments:

Appendix B

Laboratory Analytical Reports



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
EXXON Company U.S.A.

Certificate of Analysis Number:
00040126

Report To: ETIC Engineering Inc. Christa Marting 144 Mayhew Way Walnut Creek California 94596- ph: (925) 977-7914 fax: (925) 977-7915	Project Name: UP3399.1 Site: 7-3399,2002958 Site Address: PO Number: EWR#20003647 State: California State Cert. No.: Date Reported:
--	--

Your sample ID "OW-1" (SPL ID: 00040126-01) was randomly selected for the use in SPL's quality control program for the Purgeable Aromatics analysis by SW846 method 8021B. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Methyl tert-butyl ether (Batch ID: R12017), due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

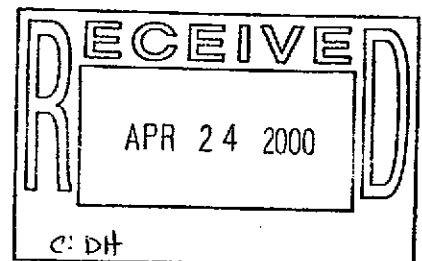
Your sample ID "OW-1" (SPL ID: 00040126-01) was randomly selected for the use in SPL's quality control program for the Volatile Organics analysis by SW846 method 8260B. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Benzene (Batch ID: R12427), due to matrix interference. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.



Sonia West
West, Sonia
Senior Project Manager

4/18/00

Date



HOUSTON LABORATORY
 8890 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

EXXON Company U.S.A.

Certificate of Analysis Number:

00040126

Report To: ETIC Engineering Inc. Christa Marting 144 Mayhew Way Walnut Creek California 94596- ph: (925) 977-7914 fax: (925) 977-7915	Project Name: UP3399.1 Site: 7-3399,2002958 Site Address: PO Number: EWR#20003647 State: California State Cert. No.: Date Reported:
Fax To: ETIC Engineering Inc. Christa Marting fax: (925) 977-7915	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
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OW-1	00040126-01	Water	4/4/00 2:40:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
OW-1	00040126-01	Water	4/4/00 2:40:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-11	00040126-02	Water	4/4/00 4:20:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-11	00040126-02	Water	4/4/00 4:20:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-10	00040126-03	Water	4/4/00 3:25:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-10	00040126-03	Water	4/4/00 3:25:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
PMW-2	00040126-04	Water	4/4/00 2:50:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
PMW-2	00040126-04	Water	4/4/00 2:50:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
PMW-3	00040126-05	Water	4/4/00 2:25:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
PMW-3	00040126-05	Water	4/4/00 2:25:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
PMW-5	00040126-06	Water	4/4/00 2:00:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
PMW-5	00040126-06	Water	4/4/00 2:00:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-1	00040126-07	Water	4/4/00 2:20:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-1	00040126-07	Water	4/4/00 2:20:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
VR-2	00040126-08	Water	4/4/00 1:50:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
VR-2	00040126-08	Water	4/4/00 1:50:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-8	00040126-09	Water	4/4/00 1:30:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-8	00040126-09	Water	4/4/00 1:30:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-9	00040126-10	Water	4/4/00 12:30:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-9	00040126-10	Water	4/4/00 12:30:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-5D	00040126-11	Water	4/4/00 10:30:00 AM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-5D	00040126-11	Water	4/4/00 10:30:00 AM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-5S	00040126-12	Water	4/4/00 10:20:00 AM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-5S	00040126-12	Water	4/4/00 10:20:00 AM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>

Sonia West

West, Sonia
Senior Project Manager

4/18/00

Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer



HOUSTON LABORATORY
 8890 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 680-0901

EXXON Company U.S.A.

Certificate of Analysis Number:
00040126

Report To: ETIC Engineering Inc. Christa Marting 144 Mayhew Way Walnut Creek California 94596- ph: (925) 977-7914 fax: (925) 977-7915 Fax To: ETIC Engineering Inc. Christa Marting fax: (925) 977-7915	Project Name: UP3399.1 Site: 7-3399,2002958 Site Address: PO Number: EWR#20003647 State: California State Cert. No.: Date Reported:
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Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
PMW-4	00040126-13	Water	4/4/00 11:30:00 AM	4/6/00 10:00:00 AM		<input type="checkbox"/>
PMW-4	00040126-13	Water	4/4/00 11:30:00 AM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
MW-7	00040126-14	Water	4/4/00 2:40:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
MW-7	00040126-14	Water	4/4/00 2:40:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>
VR-1	00040126-15	Water	4/4/00 4:25:00 PM	4/6/00 10:00:00 AM		<input type="checkbox"/>
VR-1	00040126-15	Water	4/4/00 4:25:00 PM	4/6/00 10:00:00 AM		<input checked="" type="checkbox"/>

Sonia West

West, Sonia
 Senior Project Manager

4/18/00

Date

Joel Grice
 Laboratory Director

 Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: OW-1

Collected: 4/4/00 2:40:00 P SPL Sample ID: 00040126-01

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	120	50	1		04/08/00 3:20	D_R	242298
Surr: 1,4-Difluorobenzene	95.8	% 62-144	1		04/08/00 3:20	D_R	242298
Surr: 4-Bromofluorobenzene	100	% 44-153	1		04/08/00 3:20	D_R	242298
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	1	1	1		04/08/00 3:20	D_R	241870
Ethylbenzene	ND	1	1		04/08/00 3:20	D_R	241870
Methyl tert-butyl ether	5300	25	25		04/10/00 17:33	D_R	243512
Toluene	ND	1	1		04/08/00 3:20	D_R	241870
m,p-Xylene	ND	1	1		04/08/00 3:20	D_R	241870
o-Xylene	ND	1	1		04/08/00 3:20	D_R	241870
Xylenes, Total	ND	1	1		04/08/00 3:20	D_R	241870
Surr: 1,4-Difluorobenzene	102	% 72-137	25		04/10/00 17:33	D_R	243512
Surr: 1,4-Difluorobenzene	136	% 72-137	1		04/08/00 3:20	D_R	241870
Surr: 4-Bromofluorobenzene	104	% 48-156	25		04/10/00 17:33	D_R	243512
Surr: 4-Bromofluorobenzene	101	% 48-156	1		04/08/00 3:20	D_R	241870
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	6800	250	50		04/14/00 3:33	PC	250467
Surr: 1,2-Dichloroethane-d4	112	% 80-120	50		04/14/00 3:33	PC	250467
Surr: 4-Bromofluorobenzene	92.0	% 86-115	50		04/14/00 3:33	PC	250467
Surr: Toluene-d8	108	% 88-110	50		04/14/00 3:33	PC	250467

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: MW-11

Collected: 4/4/00 4:20:00 P SPL Sample ID: 00040126-02

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 3:52	D_R	242307
Surr: 1,4-Difluorobenzene	96.2	% 62-144	1		04/08/00 3:52	D_R	242307
Surr: 4-Bromofluorobenzene	102	% 44-153	1		04/08/00 3:52	D_R	242307
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/10/00 13:31	DL	242988
Ethylbenzene	ND	1	1		04/10/00 13:31	DL	242988
Methyl tert-butyl ether	ND	1	1		04/10/00 13:31	DL	242988
Toluene	ND	1	1		04/10/00 13:31	DL	242988
m,p-Xylene	ND	1	1		04/10/00 13:31	DL	242988
o-Xylene	ND	1	1		04/10/00 13:31	DL	242988
Xylenes, Total	ND	1	1		04/10/00 13:31	DL	242988
Surr: 1,4-Difluorobenzene	95.0	% 72-137	1		04/10/00 13:31	DL	242988
Surr: 4-Bromofluorobenzene	102	% 48-156	1		04/10/00 13:31	DL	242988

Sonia West

West, Sonia
 Project Manager

Qualifiers:
 ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77064
 (713) 660-0901

Client Sample ID: MW-10

Collected: 4/4/00 3:25:00 P SPL Sample ID: 00040126-03

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 4:21	D_R	242315
Surr: 1,4-Difluorobenzene	94.4	% 62-144	1		04/08/00 4:21	D_R	242315
Surr: 4-Bromofluorobenzene	102	% 44-153	1		04/08/00 4:21	D_R	242315
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/08/00 4:21	D_R	241874
Ethylbenzene	ND	1	1		04/08/00 4:21	D_R	241874
Methyl tert-butyl ether	ND	1	1		04/08/00 4:21	D_R	241874
Toluene	ND	1	1		04/08/00 4:21	D_R	241874
m,p-Xylene	ND	1	1		04/08/00 4:21	D_R	241874
o-Xylene	ND	1	1		04/08/00 4:21	D_R	241874
Xylenes, Total	ND	1	1		04/08/00 4:21	D_R	241874
Surr: 1,4-Difluorobenzene	102	% 72-137	1		04/08/00 4:21	D_R	241874
Surr: 4-Bromofluorobenzene	101	% 48-156	1		04/08/00 4:21	D_R	241874

Sonia West

West, Sonia
 Project Manager

Qualifiers:
 ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: PMW-2

Collected: 4/4/00 2:50:00 P SPL Sample ID: 00040126-04

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 4:55	D_R	242322
Surr: 1,4-Difluorobenzene	93.8	% 62-144	1		04/08/00 4:55	D_R	242322
Surr: 4-Bromofluorobenzene	101	% 44-153	1		04/08/00 4:55	D_R	242322
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/08/00 4:55	D_R	241878
Ethylbenzene	ND	1	1		04/08/00 4:55	D_R	241878
Methyl tert-butyl ether	740	10	10		04/10/00 14:17	D_R	243196
Toluene	ND	1	1		04/08/00 4:55	D_R	241878
m,p-Xylene	ND	1	1		04/08/00 4:55	D_R	241878
o-Xylene	ND	1	1		04/08/00 4:55	D_R	241878
Xylenes, Total	ND	1	1		04/08/00 4:55	D_R	241878
Surr: 1,4-Difluorobenzene	101	% 72-137	10		04/10/00 14:17	D_R	243196
Surr: 1,4-Difluorobenzene	107	% 72-137	1		04/08/00 4:55	D_R	241878
Surr: 4-Bromofluorobenzene	102	% 48-156	10		04/10/00 14:17	D_R	243196
Surr: 4-Bromofluorobenzene	102	% 48-156	1		04/08/00 4:55	D_R	241878
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	720	25	5		04/14/00 22:31	PC	250659
Surr: 1,2-Dichloroethane-d4	116	% 80-120	5		04/14/00 22:31	PC	250659
Surr: 4-Bromofluorobenzene	92.0	% 86-115	5		04/14/00 22:31	PC	250659
Surr: Toluene-d8	100	% 88-110	5		04/14/00 22:31	PC	250659

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8890 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77064
 (713) 660-0901

Client Sample ID: PMW-3

Collected: 4/4/00 2:25:00 P SPL Sample ID: 00040126-05

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 5:24	D_R	242328
Surr: 1,4-Difluorobenzene	95.6	% 62-144	1		04/08/00 5:24	D_R	242328
Surr: 4-Bromofluorobenzene	102	% 44-153	1		04/08/00 5:24	D_R	242328
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/10/00 13:56	DL	242990
Ethylbenzene	ND	1	1		04/10/00 13:56	DL	242990
Methyl tert-butyl ether	250	1	1		04/10/00 13:56	DL	242990
Toluene	ND	1	1		04/10/00 13:56	DL	242990
m,p-Xylene	ND	1	1		04/10/00 13:56	DL	242990
o-Xylene	ND	1	1		04/10/00 13:56	DL	242990
Xylenes, Total	ND	1	1		04/10/00 13:56	DL	242990
Surr: 1,4-Difluorobenzene	99.9	% 72-137	1		04/10/00 13:56	DL	242990
Surr: 4-Bromofluorobenzene	102	% 48-156	1		04/10/00 13:56	DL	242990
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	310	10	2		04/14/00 5:23	PC	250470
Surr: 1,2-Dichloroethane-d4	110	% 80-120	2		04/14/00 5:23	PC	250470
Surr: 4-Bromofluorobenzene	93.0	% 86-115	2		04/14/00 5:23	PC	250470
Surr: Toluene-d8	110	% 88-110	2		04/14/00 5:23	PC	250470

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



Client Sample ID: PMW-5

Collected: 4/4/00 2:00:00 P SPL Sample ID: 00040126-06

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 5:57	D_R	242333
Surr: 1,4-Difluorobenzene	94.8	% 62-144	1		04/08/00 5:57	D_R	242333
Surr: 4-Bromofluorobenzene	104	% 44-153	1		04/08/00 5:57	D_R	242333
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/08/00 5:57	D_R	241883
Ethylbenzene	ND	1	1		04/08/00 5:57	D_R	241883
Methyl tert-butyl ether	680	10	10		04/10/00 14:17	LJ	242930
Toluene	ND	1	1		04/08/00 5:57	D_R	241883
m,p-Xylene	ND	1	1		04/08/00 5:57	D_R	241883
o-Xylene	ND	1	1		04/08/00 5:57	D_R	241883
Xylenes, Total	ND	1	1		04/08/00 5:57	D_R	241883
Surr: 1,4-Difluorobenzene	108	% 72-137	1		04/08/00 5:57	D_R	241883
Surr: 1,4-Difluorobenzene	104	% 72-137	10		04/10/00 14:17	LJ	242930
Surr: 4-Bromofluorobenzene	103	% 48-156	1		04/08/00 5:57	D_R	241883
Surr: 4-Bromofluorobenzene	109	% 48-156	10		04/10/00 14:17	LJ	242930
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	890	25	5		04/14/00 22:58	PC	250660
Surr: 1,2-Dichloroethane-d4	112	% 80-120	5		04/14/00 22:58	PC	250660
Surr: 4-Bromofluorobenzene	92.0	% 86-115	5		04/14/00 22:58	PC	250660
Surr: Toluene-d8	100	% 88-110	5		04/14/00 22:58	PC	250660

Sonia West

West, Sonia
Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: MW-1

Collected: 4/4/00 2:20:00 P SPL Sample ID: 00040126-07

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 6:26	D_R	242340
Surr: 1,4-Difluorobenzene	94.5	% 62-144	1		04/08/00 6:26	D_R	242340
Surr: 4-Bromofluorobenzene	101	% 44-153	1		04/08/00 6:26	D_R	242340
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/10/00 14:22	DL	242991
Ethylbenzene	ND	1	1		04/10/00 14:22	DL	242991
Methyl tert-butyl ether	ND	1	1		04/10/00 14:22	DL	242991
Toluene	ND	1	1		04/10/00 14:22	DL	242991
m,p-Xylene	ND	1	1		04/10/00 14:22	DL	242991
o-Xylene	ND	1	1		04/10/00 14:22	DL	242991
Xylenes, Total	ND	1	1		04/10/00 14:22	DL	242991
Surr: 1,4-Difluorobenzene	97.5	% 72-137	1		04/10/00 14:22	DL	242991
Surr: 4-Bromofluorobenzene	103	% 48-156	1		04/10/00 14:22	DL	242991

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL
 >MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



Client Sample ID: VR-2

Collected: 4/4/00 1:50:00 P SPL Sample ID: 00040126-08

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 6:58	D_R	242345
Surr: 1,4-Difluorobenzene	96.3	% 62-144	1		04/08/00 6:58	D_R	242345
Surr: 4-Bromofluorobenzene	102	% 44-153	1		04/08/00 6:58	D_R	242345
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/08/00 6:58	D_R	241885
Ethylbenzene	ND	1	1		04/08/00 6:58	D_R	241885
Methyl tert-butyl ether	370	1	1		04/08/00 6:58	D_R	241885
Toluene	ND	1	1		04/08/00 6:58	D_R	241885
m,p-Xylene	ND	1	1		04/08/00 6:58	D_R	241885
o-Xylene	ND	1	1		04/08/00 6:58	D_R	241885
Xylenes, Total	ND	1	1		04/08/00 6:58	D_R	241885
Surr: 1,4-Difluorobenzene	104	% 72-137	1		04/08/00 6:58	D_R	241885
Surr: 4-Bromofluorobenzene	101	% 48-156	1		04/08/00 6:58	D_R	241885
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	400	25	5		04/14/00 23:26	PC	250661
Surr: 1,2-Dichloroethane-d4	112	% 80-120	5		04/14/00 23:26	PC	250661
Surr: 4-Bromofluorobenzene	88.0	% 86-115	5		04/14/00 23:26	PC	250661
Surr: Toluene-d8	100	% 88-110	5		04/14/00 23:26	PC	250661

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8890 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: MW-8

Collected: 4/4/00 1:30:00 P SPL Sample ID: 00040126-09

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	MCL	QA_GRO	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50		1	04/08/00 7:29	D_R	242348
Surr: 1,4-Difluorobenzene	96.5	% 62-144		1	04/08/00 7:29	D_R	242348
Surr: 4-Bromofluorobenzene	102	% 44-153		1	04/08/00 7:29	D_R	242348
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1		1	04/08/00 7:29	D_R	241888
Ethylbenzene	ND	1		1	04/08/00 7:29	D_R	241888
Methyl tert-butyl ether	3.3	1		1	04/08/00 7:29	D_R	241888
Toluene	ND	1		1	04/08/00 7:29	D_R	241888
m,p-Xylene	ND	1		1	04/08/00 7:29	D_R	241888
o-Xylene	ND	1		1	04/08/00 7:29	D_R	241888
Xylenes, Total	ND	1		1	04/08/00 7:29	D_R	241888
Surr: 1,4-Difluorobenzene	102	% 72-137		1	04/08/00 7:29	D_R	241888
Surr: 4-Bromofluorobenzene	103	% 48-156		1	04/08/00 7:29	D_R	241888
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	ND	5		1	04/14/00 6:46	PC	250471
Surr: 1,2-Dichloroethane-d4	108	% 80-120		1	04/14/00 6:46	PC	250471
Surr: 4-Bromofluorobenzene	90.0	% 86-115		1	04/14/00 6:46	PC	250471
Surr: Toluene-d8	104	% 88-110		1	04/14/00 6:46	PC	250471

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: MW-9

Collected: 4/4/00 12:30:00 SPL Sample ID: 00040126-10

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/08/00 8:00	D_R	242352
Surr: 1,4-Difluorobenzene	97.2	% 62-144	1		04/08/00 8:00	D_R	242352
Surr: 4-Bromofluorobenzene	102	% 44-153	1		04/08/00 8:00	D_R	242352
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	2.7	1	1		04/08/00 8:00	D_R	241891
Ethylbenzene	ND	1	1		04/08/00 8:00	D_R	241891
Methyl tert-butyl ether	310	1	1		04/08/00 8:00	D_R	241891
Toluene	2.5	1	1		04/08/00 8:00	D_R	241891
m,p-Xylene	4.9	1	1		04/08/00 8:00	D_R	241891
o-Xylene	4.1	1	1		04/08/00 8:00	D_R	241891
Xylenes, Total	9	1	1		04/08/00 8:00	D_R	241891
Surr: 1,4-Difluorobenzene	106	% 72-137	1		04/08/00 8:00	D_R	241891
Surr: 4-Bromofluorobenzene	102	% 48-156	1		04/08/00 8:00	D_R	241891
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	300	10	2		04/14/00 7:14	PC	250472
Surr: 1,2-Dichloroethane-d4	120	% 80-120	2		04/14/00 7:14	PC	250472
Surr: 4-Bromofluorobenzene	91.0	% 86-115	2		04/14/00 7:14	PC	250472
Surr: Toluene-d8	100	% 88-110	2		04/14/00 7:14	PC	250472

Sonia West

West, Sonia
 Project Manager

Qualifiers:
 ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 6680 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: MW-5D

Collected: 4/4/00 10:30:00 SPL Sample ID: 00040126-11

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/09/00 7:08	D_R	242712
Surr: 1,4-Difluorobenzene	95.6	% 62-144	1		04/09/00 7:08	D_R	242712
Surr: 4-Bromofluorobenzene	102	% 44-153	1		04/09/00 7:08	D_R	242712
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/09/00 7:08	D_R	242577
Ethylbenzene	ND	1	1		04/09/00 7:08	D_R	242577
Methyl tert-butyl ether	ND	1	1		04/09/00 7:08	D_R	242577
Toluene	ND	1	1		04/09/00 7:08	D_R	242577
m,p-Xylene	ND	1	1		04/09/00 7:08	D_R	242577
o-Xylene	ND	1	1		04/09/00 7:08	D_R	242577
Xylenes, Total	ND	1	1		04/09/00 7:08	D_R	242577
Surr: 1,4-Difluorobenzene	104	% 72-137	1		04/09/00 7:08	D_R	242577
Surr: 4-Bromofluorobenzene	102	% 48-156	1		04/09/00 7:08	D_R	242577

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: MW-5S

Collected: 4/4/00 10:20:00 SPL Sample ID: 00040126-12

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	MCL	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO		Units: ug/L		
Gasoline Range Organics	ND	50		1		04/09/00 6:37	D_R	242707
Surr: 1,4-Difluorobenzene	96.2	% 62-144		1		04/09/00 6:37	D_R	242707
Surr: 4-Bromofluorobenzene	101	% 44-153		1		04/09/00 6:37	D_R	242707
PURGEABLE AROMATICS			MCL	SW8021B		Units: ug/L		
Benzene	ND	1		1		04/09/00 6:37	D_R	242574
Ethylbenzene	ND	1		1		04/09/00 6:37	D_R	242574
Methyl tert-butyl ether	ND	1		1		04/09/00 6:37	D_R	242574
Toluene	ND	1		1		04/09/00 6:37	D_R	242574
m,p-Xylene	ND	1		1		04/09/00 6:37	D_R	242574
o-Xylene	ND	1		1		04/09/00 6:37	D_R	242574
Xylenes, Total	ND	1		1		04/09/00 6:37	D_R	242574
Surr: 1,4-Difluorobenzene	102	% 72-137		1		04/09/00 6:37	D_R	242574
Surr: 4-Bromofluorobenzene	103	% 48-156		1		04/09/00 6:37	D_R	242574

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: PMW-4

Collected: 4/4/00 11:30:00 SPL Sample ID: 00040126-13

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/09/00 6:05	D_R	242704
Surr: 1,4-Difluorobenzene	96.8	% 62-144	1		04/09/00 6:05	D_R	242704
Surr: 4-Bromofluorobenzene	105	% 44-153	1		04/09/00 6:05	D_R	242704
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/09/00 6:05	D_R	242571
Ethylbenzene	ND	1	1		04/09/00 6:05	D_R	242571
Methyl tert-butyl ether	28	1	1		04/09/00 6:05	D_R	242571
Toluene	ND	1	1		04/09/00 6:05	D_R	242571
m,p-Xylene	ND	1	1		04/09/00 6:05	D_R	242571
o-Xylene	ND	1	1		04/09/00 6:05	D_R	242571
Xylenes, Total	ND	1	1		04/09/00 6:05	D_R	242571
Surr: 1,4-Difluorobenzene	106	% 72-137	1		04/09/00 6:05	D_R	242571
Surr: 4-Bromofluorobenzene	103	% 48-156	1		04/09/00 6:05	D_R	242571
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	27	5	1		04/14/00 7:42	PC	250473
Surr: 1,2-Dichloroethane-d4	114	% 80-120	1		04/14/00 7:42	PC	250473
Surr: 4-Bromofluorobenzene	92.0	% 86-115	1		04/14/00 7:42	PC	250473
Surr: Toluene-d8	106	% 88-110	1		04/14/00 7:42	PC	250473

Sonia West

West, Sonia
Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

00040126 Page 15
4/18/00 9:35:19 AM



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Client Sample ID: MW-7

Collected: 4/4/00 2:40:00 P SPL Sample ID: 00040126-14

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/09/00 5:32	D_R	242700
Surr: 1,4-Difluorobenzene	95.5	% 62-144	1		04/09/00 5:32	D_R	242700
Surr: 4-Bromofluorobenzene	102	% 44-153	1		04/09/00 5:32	D_R	242700
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/10/00 13:42	D_R	243195
Ethylbenzene	ND	1	1		04/10/00 13:42	D_R	243195
Methyl tert-butyl ether	ND	1	1		04/10/00 13:42	D_R	243195
Toluene	ND	1	1		04/10/00 13:42	D_R	243195
m,p-Xylene	ND	1	1		04/10/00 13:42	D_R	243195
o-Xylene	ND	1	1		04/10/00 13:42	D_R	243195
Xylenes, Total	ND	1	1		04/10/00 13:42	D_R	243195
Surr: 1,4-Difluorobenzene	104	% 72-137	1		04/10/00 13:42	D_R	243195
Surr: 4-Bromofluorobenzene	102	% 48-156	1		04/10/00 13:42	D_R	243195

Sonia West

West, Sonia
 Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution



Client Sample ID: VR-1

Collected: 4/4/00 4:25:00 P SPL Sample ID: 00040126-15

Site: 7-3399,2002958

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	ND	50	1		04/09/00 5:00	D_R	242696
Surr: 1,4-Difluorobenzene	95.7	% 62-144	1		04/09/00 5:00	D_R	242696
Surr: 4-Bromofluorobenzene	104	% 44-153	1		04/09/00 5:00	D_R	242696
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	1	1		04/09/00 5:00	D_R	242569
Ethylbenzene	ND	1	1		04/09/00 5:00	D_R	242569
Methyl tert-butyl ether	4500	25	25		04/10/00 14:42	LJ	242932
Toluene	ND	1	1		04/09/00 5:00	D_R	242569
m,p-Xylene	ND	1	1		04/09/00 5:00	D_R	242569
o-Xylene	ND	1	1		04/09/00 5:00	D_R	242569
Xylenes, Total	ND	1	1		04/09/00 5:00	D_R	242569
Surr: 1,4-Difluorobenzene	128	% 72-137	1		04/09/00 5:00	D_R	242569
Surr: 1,4-Difluorobenzene	104	% 72-137	25		04/10/00 14:42	LJ	242932
Surr: 4-Bromofluorobenzene	103	% 48-156	1		04/09/00 5:00	D_R	242569
Surr: 4-Bromofluorobenzene	104	% 48-156	25		04/10/00 14:42	LJ	242932
VOLATILE ORGANICS METHOD 8260B			MCL	SW8260B	Units: ug/L		
Methyl tert-butyl ether	5500	250	50		04/14/00 23:54	PC	250662
Surr: 1,2-Dichloroethane-d4	116	% 80-120	50		04/14/00 23:54	PC	250662
Surr: 4-Bromofluorobenzene	92.0	% 86-115	50		04/14/00 23:54	PC	250662
Surr: Toluene-d8	104	% 88-110	50		04/14/00 23:54	PC	250662

Sonia West

West, Sonia
Project Manager

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00040126
Lab Batch ID: R12017

Method Blank

Samples in Analytical Batch:

RunID: HP_S_000407C-241859 Units: ug/L
Analysis Date: 04/08/2000 0:11 Analyst: D_R

Lab Sample ID	Client Sample ID
00040126-01A	OW-1
00040126-03A	MW-10
00040126-04A	PMW-2
00040126-06A	PMW-5
00040126-08A	VR-2
00040126-09A	MW-8
00040126-10A	MW-9

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	102.0	72-137
Surr: 4-Bromofluorobenzene	102.8	48-156

Laboratory Control Sample (LCS)

RunID: HP_S_000407C-241854 Units: ug/L
Analysis Date: 04/07/2000 21:33 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	52	103	61	119
Ethylbenzene	50	55	109	70	118
Methyl tert-butyl ether	50	56	112	72	128
Toluene	50	55	109	65	125
m,p-Xylene	100	110	110	72	116
o-Xylene	50	56	112	72	117
Xylenes, Total	150	166	111	72	117

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040126-01
RunID: HP_S_000407C-241862 Units: ug/L
Analysis Date: 04/08/2000 0:41 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	1.0	20	21	98.3	20	19	91.9	6.74	21	32	164
Ethylbenzene	ND	20	19	93.0	20	18	84.1	10.1	19	52	142
Methyl tert-butyl ether	3800	20	3700	-295*	20	3700	-470*	45.8*	20	39	150
Toluene	ND	20	20	97.2	20	19	89.8	7.94	20	38	159

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL



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Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 00040126
 Lab Batch ID: R12017

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040126-01
 RunID: HP_S_000407C-241862 Units: ug/L
 Analysis Date: 04/08/2000 0:41 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	39	95.9	40	35	86.5	10.4	17	53	144
o-Xylene	ND	20	21	103	20	19	97.4	5.60	18	53	143
Xylenes, Total	ND	60	60	100	60	54	90.0	10.5	18	53	144

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Gasoline Range Organics
Method: CA_GRO

WorkOrder: 00040126
Lab Batch ID: R12033

Method Blank

Samples in Analytical Batch:

RunID: HP_S_000407D-242279 Units: mg/L
Analysis Date: 04/08/2000 0:11 Analyst: D_R

Lab Sample ID	Client Sample ID
00040126-01A	OW-1
00040126-02A	MW-11
00040126-03A	MW-10
00040126-04A	PMW-2
00040126-05A	PMW-3
00040126-06A	PMW-5
00040126-07A	MW-1
00040126-08A	VR-2
00040126-09A	MW-8
00040126-10A	MW-9

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	98.3	62-144
Surr: 4-Bromofluorobenzene	102.4	44-153

Laboratory Control Sample (LCS)

RunID: HP_S_000407D-242273 Units: mg/L
Analysis Date: 04/07/2000 22:34 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	1	100	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040126-02
RunID: HP_S_000407D-242285 Units: mg/L
Analysis Date: 04/08/2000 1:40 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.6	66.5	0.9	0.61	67.7	1.90	36	36	160

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 00040126
 Lab Batch ID: R12041

Method Blank

Samples in Analytical Batch:

RunID: HP_W_000408B-242461 Units: ug/L
 Analysis Date: 04/09/2000 2:55 Analyst: DL

Lab Sample ID Client Sample ID
 00040126-02A MW-11
 00040126-05A PMW-3
 00040126-07A MW-1

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	98.9	72-137
Surr: 4-Bromofluorobenzene	101.7	48-156

Laboratory Control Sample (LCS)

RunID: HP_W_000408B-242458 Units: ug/L
 Analysis Date: 04/09/2000 0:22 Analyst: DL

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	54	107	61	119
Ethylbenzene	50	55	109	70	118
Methyl tert-butyl ether	50	52	104	72	128
Toluene	50	55	109	65	125
m,p-Xylene	100	110	110	72	116
o-Xylene	50	54	109	72	117
Xylenes, Total	150	164	109	72	117

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040186-01
 RunID: HP_W_000408B-242459 Units: ug/L
 Analysis Date: 04/09/2000 1:13 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	21	104	20	22	109	4.67	21	32	164
Ethylbenzene	ND	20	21	104	20	22	110	5.18	19	52	142
Methyl tert-butyl ether	ND	20	20	96.1	20	21	101	5.30	20	39	150
Toluene	ND	20	21	105	20	22	110	5.10	20	38	159

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL



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Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 00040126
 Lab Batch ID: R12041

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040186-01
 RunID: HP_W_000408B-242459 Units: ug/L
 Analysis Date: 04/09/2000 1:13 Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	42	106	40	44	111	5.03	17	53	144
o-Xylene	ND	20	21	104	20	22	109	4.99	18	53	143
Xylenes, Total	ND	60	63	105	60	66	110	4.65	18	53	144

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00040126
Lab Batch ID: R12043

Method Blank

Samples in Analytical Batch:

RunID: HP_S_000408A-242584 Units: ug/L
Analysis Date: 04/09/2000 10:17 Analyst: D_R

Lab Sample ID	Client Sample ID
00040126-11A	MW-5D
00040126-12A	MW-5S
00040126-13A	PMW-4
00040126-15A	VR-1

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	103.1	72-137
Surr: 4-Bromofluorobenzene	101.9	48-156

Laboratory Control Sample (LCS)

RunID: HP_S_000408A-242552 Units: ug/L
Analysis Date: 04/08/2000 23:52 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	51	103	61	119
Ethylbenzene	50	55	110	70	118
Methyl tert-butyl ether	50	54	108	72	128
Toluene	50	53	106	65	125
m,p-Xylene	100	110	110	72	116
o-Xylene	50	56	112	72	117
Xylenes, Total	150	166	111	72	117

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040175-02
RunID: HP_S_000408A-242555 Units: ug/L
Analysis Date: 04/09/2000 0:50 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	22	107	20	22	107	.0985	21	32	164
Ethylbenzene	ND	20	22	109	20	21	107	1.77	19	52	142
Methyl tert-butyl ether	95	20	110	48.3	20	110	70.8	37.8*	20	39	150
Toluene	ND	20	22	109	20	22	109	0.112	20	38	159

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution



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Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 00040126
 Lab Batch ID: R12043

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040175-02
 RunID: HP_S_000408A-242555 Units: ug/L
 Analysis Date: 04/09/2000 0:50 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	43	108	40	43	107	1.39	17	53	144
o-Xylene	ND	20	21	105	20	21	106	1.25	18	53	143
Xylenes, Total	ND	60	64	107	60	64	107	0	18	53	144

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Gasoline Range Organics
 Method: CA_GRO

WorkOrder: 00040126
 Lab Batch ID: R12050

Method Blank

Samples in Analytical Batch:

RunID: HP_S_000408B-242736 Units: mg/L
 Analysis Date: 04/09/2000 10:17 Analyst: D_R

Lab Sample ID	Client Sample ID
00040126-11A	MW-5D
00040126-12A	MW-5S
00040126-13A	PMW-4
00040126-14A	MW-7
00040126-15A	VR-1

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	94.4	62-144
Surr: 4-Bromofluorobenzene	101.6	44-153

Laboratory Control Sample (LCS)

RunID: HP_S_000408B-242675 Units: mg/L
 Analysis Date: 04/09/2000 0:22 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.84	84	64	131

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040175-03
 RunID: HP_S_000408B-242678 Units: mg/L
 Analysis Date: 04/09/2000 1:54 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.97	107	0.9	0.96	107	0.238	36	36	160

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
 D - Recovery Unreportable due to Dilution



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00040126
Lab Batch ID: R12058

Method Blank

Samples in Analytical Batch:

RunID: HP_N_000410A-242928 Units: ug/L
Analysis Date: 04/10/2000 11:28 Analyst: LJ

Lab Sample ID Client Sample ID
00040126-06A PMW-5
00040126-15A VR-1

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	1.0
Surr: 1,4-Difluorobenzene	103.7	72-137
Surr: 4-Bromofluorobenzene	110.0	48-156

Laboratory Control Sample (LCS)

RunID: HP_N_000410A-242929 Units: ug/L
Analysis Date: 04/10/2000 11:54 Analyst: LJ

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Methyl tert-butyl ether	50	54	107	72	128

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040202-01
RunID: HP_N_000410A-243569 Units: ug/L
Analysis Date: 04/10/2000 16:16 Analyst: LJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Methyl tert-butyl ether	ND	20	21	104	20	24	120	14.3	20	39	150

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00040126
Lab Batch ID: R12071

Method Blank

Samples in Analytical Batch:

RunID: HP_S_000410A-243194 Units: ug/L
Analysis Date: 04/10/2000 13:03 Analyst: D_R

Lab Sample ID Client Sample ID
00040126-01A OW-1
00040126-04A PMW-2
00040126-14A MW-7

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,4-Difluorobenzene	102.2	72-137
Surr: 4-Bromofluorobenzene	101.3	48-156

Laboratory Control Sample (LCS)

RunID: HP_S_000410A-243193 Units: ug/L
Analysis Date: 04/10/2000 11:40 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	101	61	119
Ethylbenzene	50	52	105	70	118
Methyl tert-butyl ether	50	55	109	72	128
Toluene	50	52	104	65	125
m,p-Xylene	100	110	105	72	116
o-Xylene	50	54	108	72	117
Xylenes, Total	150	164	109	72	117

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040189-03
RunID: HP_S_000410A-243535 Units: ug/L
Analysis Date: 04/10/2000 21:33 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19	93.8	20	19	94.5	0.679	21	32	164
Ethylbenzene	ND	20	18	88.4	20	18	89.3	0.964	19	52	142
Methyl tert-butyl ether	4.6	20	26	109	20	28	116	6.25	20	39	150
Toluene	ND	20	18	90.7	20	19	94.5	4.11	20	38	159

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL



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Quality Control Report

EXXON Company U.S.A.

UP3389.1

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00040126
Lab Batch ID: R12071

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040189-03
RunID: HP_S_000410A-243535 Units: ug/L
Analysis Date: 04/10/2000 21:33 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	36	90.2	40	36	90.8	0.749	17	53	144
o-Xylene	ND	20	20	98.6	20	20	99.0	0.458	18	53	143
Xylenes, Total	ND	60	56	93.3	60	56	93.3	0	18	53	144

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution



Quality Control Report

EXXON Company U.S.A.

UP3399.1

Analysis: Volatile Organics Method 8260B
Method: SW8260B

WorkOrder: 00040126
Lab Batch ID: R12427

Method Blank

RunID: Q_000413B-250465 Units: ug/L
Analysis Date: 04/14/2000 2:10 Analyst: PC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00040126-01B	OW-1
00040126-05B	PMW-3
00040126-09B	MW-8
00040126-10B	MW-9
00040126-13B	PMW-4

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	5.0
Surr: 1,2-Dichloroethane-d4	114.0	80-120
Surr: 4-Bromofluorobenzene	94.0	86-115
Surr: Toluene-d8	104.0	88-110

Laboratory Control Sample (LCS)

RunID: Q_000413B-250464 Units: ug/L
Analysis Date: 04/14/2000 1:42 Analyst: PC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	69	138	61	145
Benzene	50	63	126	76	127
Chlorobenzene	50	48	96	75	130
Toluene	50	52	104	76	125
Trichloroethene	50	39	78	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040126-01
RunID: Q_000413B-250468 Units: ug/L
Analysis Date: 04/14/2000 4:00 Analyst: PC

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	2500	2600	104	2500	3300	132	24*	14	61	145
Benzene	ND	2500	3200	128*	2500	3300	132*	3	11	76	127
Chlorobenzene	ND	2500	2500	100	2500	2500	100	0	13	75	130
Toluene	ND	2500	2700	108	2500	2700	108	0	13	76	125
Trichloroethene	ND	2500	1900	76	2500	1900	76	0	14	71	120

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL



Quality Control Report
 EXXON Company U.S.A.
 UP3399.1

Analysis: Volatile Organics Method 8260B
 Method: SW8260B

WorkOrder: 00040126
 Lab Batch ID: R12445

Method Blank

RunID: Q_000414A-250648 Units: ug/L
 Analysis Date: 04/14/2000 14:47 Analyst: PC

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00040126-04B	PMW-2
00040126-06B	PMW-5
00040126-08B	VR-2
00040126-15B	VR-1

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	5.0
Surr: 1,2-Dichloroethane-d4	114.0	80-120
Surr: 4-Bromofluorobenzene	92.0	86-115
Surr: Toluene-d8	106.0	88-110

Laboratory Control Sample (LCS)

RunID: Q_000414A-250649 Units: ug/L
 Analysis Date: 04/14/2000 16:01 Analyst: PC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	50	50	100	61	145
Benzene	50	62	124	76	127
Chlorobenzene	50	47	94	75	130
Toluene	50	51	102	76	125
Trichloroethene	50	37	74	71	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 00040165-02
 RunID: Q_000414A-250654 Units: ug/L
 Analysis Date: 04/14/2000 19:16 Analyst: PC

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	10000	12000	120	10000	12000	120	0	14	61	145
Benzene	ND	10000	13000	130*	10000	13000	130*	0	11	76	127
Chlorobenzene	ND	10000	11000	110	10000	10000	100	10	13	75	130
Toluene	ND	10000	11000	110	10000	11000	110	0	13	76	125
Trichloroethene	ND	10000	7800	78	10000	7700	77	1	14	71	120

Qualifiers: ND/U - Not Detected at the Reporting Limit * - Recovery Outside Advisable QC Limits
 B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
 J - Estimated value between MDL and PQL

*Chain of Custody
And
Sample Receipt Checklist*

EXXON COMPANY, USA.

(West Coast)

CHAIN OF CUSTODY RECORD NO. _____

Page 1 of 2

Exxon Engineer: DAREN ROUSE Phone: 925-246-8768
 Consultant Co. Name: Christie Monitoring Contact: 925-977-7914
 Address: 1441 MAUILEN Fax: 925-977-7915
WAINWICK CREEK CA 94596
 RAS #: 7-3399 Facility/State ID # (TN Only): _____
 AFE # (Terminal Only): _____ Consultant Project #: WD3399.1
 Location: 2991 HOPWARD Rd (City) Pleasanto (State) CA
 AEE C&M SDT
 Consultant Work Release #: 20002958
 Sampled By: John Ortega

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO <input checked="" type="checkbox"/>	8015 DRO <input type="checkbox"/>	BTEX 8020 <input checked="" type="checkbox"/>	602 <input type="checkbox"/>	MTBE 8020 <input checked="" type="checkbox"/>	8260 <input checked="" type="checkbox"/>	OXYGENATES (7) 8260 <input type="checkbox"/>	O&G IR 413.1 <input type="checkbox"/>	GRAV. 413.2 <input type="checkbox"/>	VOL. 8260 <input type="checkbox"/>	624 <input type="checkbox"/>	SEMI-VOL 8270 <input type="checkbox"/>	625 <input type="checkbox"/>	PNA/PAH 8100 <input type="checkbox"/>	8310 <input type="checkbox"/>	8270 <input type="checkbox"/>	PCB/PEST 8081/8082 <input type="checkbox"/>	PCB ONLY <input type="checkbox"/>	TCLP FULL <input type="checkbox"/>	VOAC <input type="checkbox"/>	SEMI-VOAC <input type="checkbox"/>	PESTO HERB <input type="checkbox"/>	METALS, TOTAL <input type="checkbox"/>	METALS, TCLP <input type="checkbox"/>	LEAD, TOTAL 239.1 <input type="checkbox"/>	7421 <input type="checkbox"/>	LEAD, TCLP <input type="checkbox"/>	LEAD, DISSOLVED <input type="checkbox"/>	LEAD TOTAL <input type="checkbox"/>	REACTIVITY <input type="checkbox"/>	CORROSIVITY <input type="checkbox"/>	FLASH POINT <input type="checkbox"/>	PURGEABLE HYDROCARBON 8010 <input type="checkbox"/>	601 <input type="checkbox"/>	TPH/R 418.1 <input type="checkbox"/>	TOX/TOH <input type="checkbox"/>
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SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX			OTHER	PRESERVATIVE
					H ₂ O	SOIL	AIR		
OW-1	4/4	1440			X				
MW-11		1620			X				
MW-10		1525			X				
PMW-2		1450			X				
PMW-3		1425			X				
PMW-5		1400			X				
MW-1		1420			X				
VIL-2		1350			X				
MW-8		1330			X				
MW-9		1230			X				

RUSH

TAT
 24 HR. ___ * 72 HR. ___ *
 48 HR. ___ * 96 HR. ___ *
 8 Business *Contact US Prior to Sending Sample
 Other ___
 EXXON UST CONTRACT NO. **C41483**
 Standard CLP Other QA/QC Level

SPECIAL DETECTION LIMITS (Specify)
 SPECIAL REPORTING REQUIREMENTS (Specify)
 PDF EDD
 FAX FAX C-O-C W/REPORT

REMARKS: IF MTAE IS DIFFERED RUN EPA 8260 TO CONFIRM.
 LAB USE ONLY Lot # _____ Storage Location _____
 WORK ORDER #: 00040120 LAB WORK RELEASE #: 30

CUSTODY RECORD

Relinquished By Sampler:	<u>John Ortega/ETC</u>	Date	Time	Received By:
Relinquished:		<u>4/5/00</u>	<u>1200</u>	
Relinquished:				Received By:
				Received By: <u>D Ammatt</u>
				Way Bill #: <u>4/6/00</u>
				cooler Temp: <u>10000</u>

EXXON COMPANY, USA.

(West Coast) 246-8768

CHAIN OF CUSTODY RECORD NO. _____

Page 2 of 2

Exxon Engineer: DALE W ROUSIE Phone: 925-977-2911
 Consultant Co. Name: ETEC Contact: Christina Martinez
 Address: 1414 MTHUEN WAY Fax: 925-977-7915
WAINUT CREEK CA 94596
 RAS #: 7-3399 Facility/State ID # (TN Only): _____
 AFE # (Terminal Only): _____ Consultant Project #: UP3399.1
 Location: 2991 Hopland Rd (City) Pleasanton (State) CA
 EE C&M SDT
 Consultant Work Release #: 20002958
 Sampled By: J. Ortega

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

NO. OF CONTAINERS	CONTAINER SIZE	ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)																OTHER																																
		TPHGC 8015 GROW	8015 DRO	BTEX 8020	602	MTBE 8020	8260	OXYGENATES (7)	8260	O&G	IR 413.1	GRAY 413.2	VOL 8260	624	SEMI-VOL	8270	625	PNAPAH 8100	8310	8270	PCB/PEST	8081/8082	PCB ONLY	TCLP FULL	VOAC	SEMIVOC	PESTD	HERB	METALS, TOTAL	METALS, TCLP	LEAD, TOTAL	239.1	7421	LEAD, TCLP	LEAD, DISSOLVED	LEAD TOTAL	REACTIVITY	CORROSIIVITY	FLASH POINT	PURGEABLE HYDROCARBON	8010	601	TPHIR	418.1	TOXICOH					
4	40L	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX			OTHER	PRESERVATIVE
					H ₂ O	SOIL	AIR		
MW-50	4/14/00	1030			X				
MW-55		1020			X				
PMW-4		1130			X				
MW-7		1440			X				
VR-1		1625			X				

TAT
 24 HR. ___ 72 HR. ___
 48 HR. ___ 96 HR. ___
 8 Business *Contact US Prior to Sending Sample
 Other ___

**EXXON UST
 CONTRACT NO.
 C41483**

SPECIAL DETECTION LIMITS (Specify)
 SPECIAL REPORTING REQUIREMENTS (Specify)
 PDF EDD
 FAX FAX C-O-C W/REPORT

REMARKS: IF MORE IS PRESENT QVW EPA 8260 to confirm.
 LAB USE ONLY Lot # _____ Storage Location _____
 WORK ORDER #: _____ LAB WORK RELEASE #: _____

CUSTODY RECORD

Relinquished By Sample:	<u>John Ortega ETEC</u>	Date	Time	Received By:	
Relinquished:		Date	Time	Received By:	
Relinquished:		Date	Time	Received By:	<u>Donna</u>



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder: 00040126
Date and Time Received: 4/6/00 10:00:00 AM
Temperature: 3

Received by: Stelly, D'Anna
Carrier name: FedEx

-
- | | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
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