

ExxonMobil
Refining & Supply Company

Gene N. Ortega
Territory Manager
Global Remediation – US Retail

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ExxonMobil
Refining & Supply

September 4, 2001

SEP 07 2001

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

RE: Former Exxon RAS #7-0235/2225 Telegraph Avenue, Oakland, California.

Dear Mr. Hwang:

Attached for your review and comment is a letter report entitled *Quarterly Groundwater Monitoring Report, Third Quarter 2001*, dated September 4, 2001, for the above referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and presents the results of groundwater monitoring and sampling activities at the subject site.

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

Sincerely,



Gene N. Ortega
Territory Manager

Attachment: ERI's Quarterly Groundwater Monitoring Report, Third Quarter 2001, dated September 4, 2001.

cc: w/ attachment
Mr. Stephen Hill, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Winson B. Low, Valero Refining Company, Environmental and Safety Affairs Department

w/o attachment
Mr. Scott D. Thompson, Environmental Resolutions, Inc.



ENVIRONMENTAL RESOLUTIONS, INC.

September 4, 2001
ERI 222913.R15

SEP 07 2001

Mr. Gene Ortega
ExxonMobil Refining and Supply
P.O. Box 4032
Concord, California 94524-4032

Subject: Quarterly Groundwater Monitoring Report, Third Quarter 2001, Former Exxon Service Station 7-0235, 2225 Telegraph Avenue, Oakland, California.

Mr. Ortega:

At the request of ExxonMobil Refining and Supply (formerly Exxon Company, U.S.A.) (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed the groundwater monitoring and sampling event for the third quarter 2001 at the subject site. The site location is shown on the Site Vicinity Map (Plate 1). The purpose of quarterly monitoring is to evaluate concentrations of dissolved hydrocarbons in groundwater and groundwater flow direction and hydraulic gradient.

GROUNDWATER MONITORING AND SAMPLING

On July 5, 2001, ERI measured depth to water (DTW) and collected groundwater samples from select wells for laboratory analyses. Work was performed in accordance with ERI's groundwater sampling protocol provided in Attachment A.

Historical and recent monitoring data are summarized in Table 1.

Laboratory Analyses and Results

Groundwater samples were submitted to Southern Petroleum Laboratories, Inc. (SPL), a California state-certified laboratory, under Chain-of-Custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tertiary butyl ether (MTBE); and total petroleum hydrocarbons as gasoline (TPHg) using the methods listed in the notes in Table 1. The laboratory analysis report and Chain-of-Custody record are provided in Attachment C. Cumulative results of laboratory analyses of groundwater samples are summarized in Table 1. The results of analyses of groundwater samples collected during the recent sampling event are shown on Plate 2.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

ERI recommends forwarding copies of this report to:

Mr. Don Hwang
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Mr. Stephen Hill
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

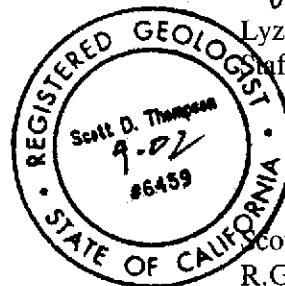
Mr. Winson B. Low
Environmental and Safety Affairs Department
One Valero Place, MS-06E
San Antonio, Texas 78212

If you have any questions or comments regarding this report, please call Mr. Scott D. Thompson, ERI's project manager for this site, at (415) 382-5987.

Sincerely,
Environmental Resolutions, Inc.



Lyz A. Cullmann
Staff Geologist



Scott D. Thompson
R.G. 6459

Attachments: Table 1: Cumulative Groundwater Monitoring and Sampling Data

Plate 1: Site Vicinity Map
Plate 2: Generalized Site Plan

Attachment A: Groundwater Sampling Protocol
Attachment B: Laboratory Analysis Report and Chain-of-Custody Record

TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Former Exxon Service Station 7-0235
 2225 Telegraph Avenue
 Oakland, California
 (Page 1 of 5)

Well ID # (TOC)	Sampling Date	SUB/ <.....>	DTW feet.	Elev. >.....<	TPHg <.....>	MTBE <.....>	B ug/L	T >.....<	E >.....<	X >.....<	TPHmo <..mg/L..>
MW6B (17.48)	11/26/96	NLPH	12.26	5.22	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	02/27/97	NLPH	11.73	5.75	<50	<30	<0.5	<0.5	<0.5	0.80	---
	05/21/97	NLPH	12.70	4.78	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	08/18/97	NLPH	12.89	4.59	380	<30	4.3	<0.5	1.2	1.5	---
	03/13/98	NLPH	11.15	6.33	360	<6.2	93	4.9	4.1	12	---
	04/20/98	NLPH	11.49	5.99	110	5.5	19	1.3	1.5	3.9	---
	07/21/98	NLPH	12.18	9.19	<50	8.7	0.84	0.59	<0.5	<0.5	---
	10/06/98	NLPH	12.70	8.67	190	6.0	2.4	0.56	0.51	1.2	---
	01/11/99	NLPH	12.48	8.89	50	3.9	1.2	<0.5	<0.5	0.95	---
	04/08/99	NLPH	11.52	9.85	85	14.0	4.4	<0.5	<0.5	<0.5	---
	07/19/99	NLPH	11.39	9.98	<50	<2.50	<0.5	<0.5	<0.5	<0.5	---
	07/27/99	NLPH	12.71	8.66	---	---	---	---	---	---	---
	10/25/99	NLPH	12.49	8.88	260	<2	2.3	<0.5	<0.5	<0.5	---
	01/27/00	NLPH	11.80	9.57	770	13	210	4.8	4.9	13	---
	04/03/00	NLPH	11.61	9.76	670	3.4	110	6.6	3.8	9.45	---
	07/05/00	NLPH	12.27	9.10	<50	2.1	0.89	<0.5	<0.5	<0.5	---
	10/04/00	NLPH	12.67	8.70	<50	54	<0.5	<0.5	<0.5	2	---
	10/05/00	---	---	---	---	---	---	---	---	---	<1
	01/04/01	NLPH	12.47	8.90	<50	35	<0.5	<0.5	<0.5	<0.5	---
	04/03/01	NLPH	11.81	9.56	<50	7.8	<0.5	<0.5	<0.5	<0.5	---
07/05/01	NLPH	12.44	8.93	<50	3	<0.5	<0.5	<0.5	<0.5	---	
MW6E (17.63)	11/26/96	NLPH	12.94	4.69	<50	<30	1.1	<0.5	<0.5	<0.5	---
	02/27/97	NLPH	12.28	5.35	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	05/21/97	NLPH	13.60	4.03	160	<5	10	1.4	5.5	4.8	---
	08/18/97	NLPH	13.75	3.88	66	<30	<0.5	<0.5	<0.5	<0.5	---
	03/13/98	NLPH	11.36	6.27	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	04/20/98	NLPH	11.88	5.75	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	07/21/98	NLPH	13.10	8.48	1,200	<10	81	3.1	28	77	---
	10/06/98	NLPH	13.55	8.03	<50	6.6	1.4	0.51	<0.5	0.97	---
	01/11/99	NLPH	13.40	8.18	<50	5.1	<0.5	<0.5	<0.5	<0.5	---
	04/08/99	NLPH	12.04	9.54	<50	4.7	<0.5	<0.5	<0.5	<0.5	---
	07/19/99	NLPH	11.59	9.99	---	---	---	---	---	---	---
	07/27/99	NLPH	13.65	7.93	---	---	---	---	---	---	---
	10/25/99	NLPH	13.52	8.06	<50	2.5	<0.5	<0.5	<0.5	<0.5	---
	01/27/00	NLPH	11.71	9.87	<50	2.3	<0.5	<0.5	<0.5	<0.5	---
	04/03/00	NLPH	12.11	9.47	<50	<2	0.51	<0.5	<0.5	<0.5	---
	07/05/00	NLPH	12.91	8.67	<50	<2	3.7	<0.5	<0.5	<0.5	---
	10/04/00	NLPH	13.35	8.23	<50	<2	4.1	<0.5	<0.5	<0.5	---
	10/05/00	---	---	---	---	---	---	---	---	---	<1
	01/04/01	NLPH	13.09	8.49	61	<2	11	<0.5	<0.5	<0.5	---
	04/03/01	NLPH	12.39	9.19	<50	<2	<0.5	<0.5	<0.5	<0.5	---
07/05/01	NLPH	13.21	8.37	210	<2	80	<0.5	0.94	2.3	---	

TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Former Exxon Service Station 7-0235
 2225 Telegraph Avenue
 Oakland, California
 (Page 2 of 5)

Well ID # (TOC)	Sampling Date	SUBJ <.....>	DTW feet.....>	Elev. <.....>	TPHg <.....>	MTBE <.....>	B ug/L.....>	T <.....>	E <.....>	X <.....>	TPHmo <...mg/L...>	
MW6F (18.58)	11/26/96	NLPH	13.29	5.29	< 50	< 30	< 0.5	< 0.5	< 0.5	< 0.5	---	
	02/27/97	---	---	---	---	---	---	---	---	---	---	
	05/21/97	NLPH	14.18	4.40	---	---	---	---	---	---	---	
	08/18/97	NLPH	14.69	3.89	---	---	---	---	---	---	---	
	03/13/98	NLPH	10.93	7.65	< 50	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	---	
	04/20/98	NLPH	11.77	6.81	---	---	---	---	---	---	---	
	(22.51)	07/21/98	NLPH	13.62	8.89	---	---	---	---	---	---	---
		10/06/98	NLPH	13.52	8.99	---	---	---	---	---	---	---
		01/11/99	NLPH	14.06	8.45	---	---	---	---	---	---	---
		04/08/99	NLPH	11.86	10.65	---	---	---	---	---	---	---
		07/19/99	---	---	---	---	---	---	---	---	---	---
		07/27/99	Well Inaccessible	---	---	---	---	---	---	---	---	---
		10/25/99	NLPH	12.63	9.88	---	---	---	---	---	---	---
		01/27/00	NLPH	12.23	10.28	---	---	---	---	---	---	---
		04/03/00	NLPH	12.11	10.40	---	---	---	---	---	---	---
		07/05/00	NLPH	13.38	9.13	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---
	10/04/00	NLPH	14.02	8.49	< 50	< 2	< 0.5	< 0.5	< 0.5	0.7	---	
	10/05/00	---	---	---	---	---	---	---	---	---	< 1	
	01/04/01	NLPH	13.69	8.82	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---	
	04/03/01	NLPH	12.55	9.96	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---	
07/05/01	NLPH	13.74	8.77	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---		
MW6G (16.82)	11/26/96	NLPH	11.12	5.70	< 50	< 30	< 0.5	< 0.5	< 0.5	< 0.5	---	
	02/27/97	---	---	---	---	---	---	---	---	---	---	
	05/21/97	NLPH	11.76	5.06	---	---	---	---	---	---	---	
	08/18/97	NLPH	12.23	4.59	---	---	---	---	---	---	---	
	03/13/98	NLPH	9.13	7.69	< 50	4.4	< 0.5	< 0.5	< 0.5	< 0.5	---	
	04/20/98	NLPH	9.73	7.09	---	---	---	---	---	---	---	
	(20.72)	07/21/98	NLPH	11.15	9.57	---	---	---	---	---	---	---
		10/06/98	NLPH	11.91	8.81	---	---	---	---	---	---	---
		01/11/99	NLPH	12.00	8.72	---	---	---	---	---	---	---
		04/08/99	NLPH	10.04	10.68	---	---	---	---	---	---	---
		07/19/99	---	---	---	---	---	---	---	---	---	---
		07/27/99	NLPH	11.75	8.97	---	---	---	---	---	---	---
		10/25/99	NLPH	11.76	8.96	---	---	---	---	---	---	---
		01/27/00	NLPH	11.46	9.26	---	---	---	---	---	---	---
		04/03/00	NLPH	10.00	10.72	---	---	---	---	---	---	---
		07/05/00	NLPH	11.24	9.48	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---
	10/04/00	NLPH	11.88	8.84	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---	
	10/05/00	---	---	---	---	---	---	---	---	---	< 1	
	01/04/01	NLPH	11.56	9.16	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---	
	04/03/01	NLPH	10.45	10.27	< 50	< 2	< 0.5	< 0.5	< 0.5	< 0.5	---	
07/05/01	NLPH	11.51	9.21	< 50	< 2	0.75	< 0.5	< 0.5	< 0.5	---		

TABLE 1
 CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Former Exxon Service Station 7-0235
 2225 Telegraph Avenue
 Oakland, California
 (Page 3 of 5)

Well ID # (TOC)	Sampling Date	SUBJ <.....>	DTW feet	Elev. >.....<	TPHg <.....>	MTBE <.....>	B ug/L	T >.....<	E >.....<	X >.....<	TPHmc <..mg/L..>
MW6H (16.58)	11/26/96	NLPH	11.87	4.71	1,200	<30	320	110	22	85	---
	02/27/97	NLPH	11.58	5.00	1,800	<200	760	31	8.4	44	---
	05/21/97	NLPH	12.23	4.55	1,100	81	640	18	5.4	45	---
	08/18/97	NLPH	12.29	4.29	870	26	200	3.6	2.4	7.4	---
	03/13/98	NLPH		16.58	5,300	<125	1,900	720	100	470	---
	04/20/98	NLPH	11.58	5.00	6,000	2,700	1,500	600	91	440	---
	07/21/98	NLPH	11.97	8.5	2,200	1,600	740	44	15	63	---
	10/06/98	NLPH	12.23	8.24	5,400	3,000	1,900	<25	<25	76	---
	01/11/99	NLPH	12.17	8.30	2,600	4,300	1,200	<12	<12	20	---
	04/08/99	NLPH	11.56	8.91	13,000	13,000	3,400	1,300	260	1,200	---
	07/19/99	NLPH	11.71	8.76	<2,000	6,920/8,520a	732	<20	<20	<20	---
	07/27/99	NLPH	12.39	8.08	---	---	---	---	---	---	---
	10/25/99	NLPH	12.16	8.31	700	4,000	360	1.1	0.68	2	---
	01/27/00	NLPH	11.60	8.87	9,100	7,600	2,400	840	150	670	---
	04/03/00	NLPH	11.62	8.85	12,000	8,800	2,800	1,100	230	1,020	---
	07/05/00	NLPH	11.93	8.54	12,000	8,000	1,200	56	13	92	---
	10/04/00	NLPH	12.16	8.31	4,400	8,400	1,500	23	12	80.6	---
	10/05/00	---	---	---	---	---	---	---	---	---	<1
	01/04/01	NLPH	12.03	8.44	2,300	3,800	880	15	6.4	33.9	---
	04/03/01	NLPH	11.73	8.74	7,800	5,100	2,000	730	140	590	---
07/05/01	NLPH	11.98	8.49	2,300	3,200	630	25	10	40.8	---	
MW6I (16.26)	11/26/96	NLPH	12.45	3.81	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	02/27/97	NLPH	12.24	4.02	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	05/21/97	NLPH	12.82	3.44	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	08/18/97	NLPH	12.81	3.45	<50	<30	<0.5	<0.5	<0.5	<0.5	---
	03/13/98	---	---	---	---	---	---	---	---	---	---
	04/20/98	NLPH	12.14	4.12	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	07/21/98	NLPH	12.59	7.65	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/06/98	NLPH	12.81	7.43	---	---	---	---	---	---	---
	01/11/99	NLPH	12.74	7.50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	04/08/99	NLPH	11.93	8.31	---	---	---	---	---	---	---
	07/19/99	NLPH	11.75	8.49	281	17.6	35.4	9.1	7.4	30.7	---
	07/27/99	NLPH	12.95	7.29	---	---	---	---	---	---	---
	10/25/99	NLPH	12.79	7.45	---	---	---	---	---	---	---
	01/27/00	NLPH	12.06	8.18	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	04/03/00	NLPH	12.24	8.00	---	---	---	---	---	---	---
	07/05/00	NLPH	12.48	7.76	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	10/04/00	---	---	---	---	---	---	---	---	---	---
	10/05/00	---	---	---	---	---	---	---	---	---	<1
	01/04/01	NLPH	12.54	7.70	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	04/03/01	NLPH	12.32	7.92	<50	<2	<0.5	<0.5	<0.5	<0.5	---
07/05/01	NLPH	12.55	7.69	<50	<2	<0.5	<0.5	<0.5	<0.5	---	
MW6J (20.72)	07/05/01	NLPH	13.47	7.25	<50	<2	<0.5	<0.5	<0.5	<0.5	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
 Former Exxon Service Station 7-0235
 2225 Telegraph Avenue
 Oakland, California
 (Page 4 of 5)

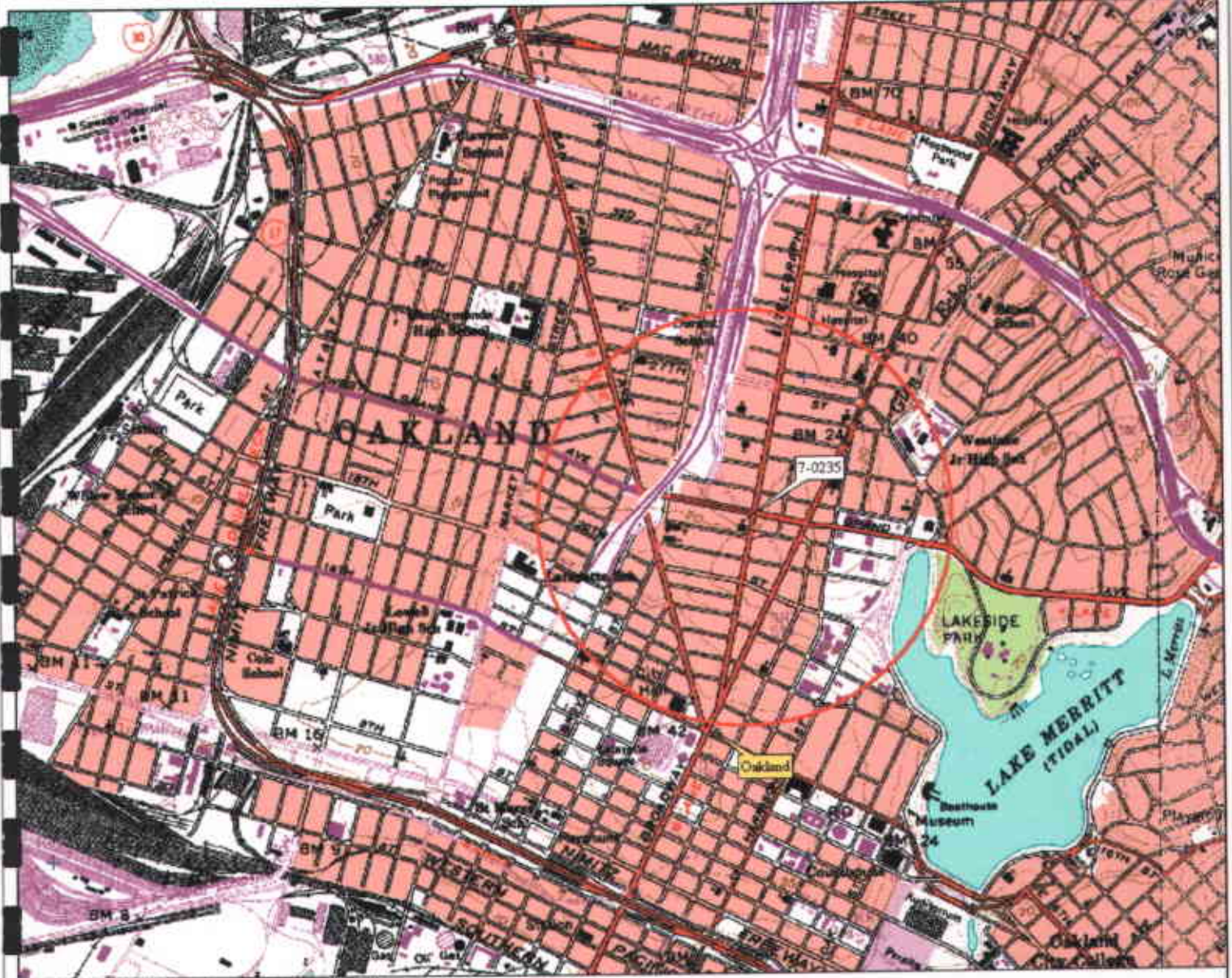
Well ID # (TOC)	Sampling Date	SUBJ <.....>	DTW feet.....>	Elev.	TPHg <.....>	MTBE <.....>	B ug/L.....>	T>	E>	X>	TPHmo <...mg/L...>
RW1 (20.24)	Not Monitored 6/16/92 through 10/6/98.										
	01/11/99	NLPH	12.37	7.87	---	---	---	---	---	---	---
	04/08/99	NLPH	10.41	9.83	---	---	---	---	---	---	---
	07/19/99	---	---	---	---	---	---	---	---	---	---
	07/27/99	NLPH	12.76	7.48	---	---	---	---	---	---	---
	10/25/99	NLPH	12.50	7.74	---	---	---	---	---	---	---
	01/27/00	NLPH	12.11	8.13	---	---	---	---	---	---	---
	04/03/00	NLPH	12.07	8.17	---	---	---	---	---	---	---
	07/05/00	---	---	---	---	---	---	---	---	---	---
	10/04/00	---	---	---	---	---	---	---	---	---	---
	10/05/00	---	---	---	---	---	---	---	---	---	---
	01/04/01	NLPH	13.90	6.34	8,000	2,500	1,200	65	250	258	---
	04/03/01	NLPH	11.92	8.32	4,100	610	62	<2.5	18	61	---
	07/05/01	not sampled: inaccessible									
RW2 (20.44)	Not Monitored 6/16/92 through 4/20/98.										
	07/21/98	NLPH	12.65	7.79	3,500	170	240	100	41	96	---
	10/06/98	NLPH	13.06	7.38	3,200	200	120	48	56	120	---
	01/11/99	NLPH	12.88	7.56	3,300	350	150	17	35	40	---
	04/08/99	sheen	11.76	8.68	---	---	---	---	---	---	---
	07/19/99	NLPH	11.61	8.83	1,980	160/499a	44	4.16	22.3	11.6	---
	07/27/99	NLPH	13.26	7.18	---	---	---	---	---	---	---
	10/25/99	NLPH	12.96	7.48	1,800	440	51	<0.5	4.7	9.5	---
	01/27/00	NLPH	12.70	7.74	1,900	750	38	<2.5	4.8	10.4	---
	04/03/00	NLPH	11.97	8.47	2,100	300	28	2.4	1.4	0.73	---
	07/05/00	NLPH	12.50	7.94	2,300	230	20	<2.5	5.3	8	---
	10/04/00	NLPH	12.97	7.47	1,300	570	42	<2.5	15	17.7	---
	10/05/00	---	---	---	---	---	---	---	---	---	<1
	01/04/01	NLPH	13.71	6.73	1,000	380	33	<2.5	13	17.7	---
	04/03/01	NLPH	12.10	8.34	1,300	99	18	2.1	16	19.4	---
	07/05/01	not sampled: inaccessible									
RW3A (21.75)	Not Monitored 6/16/92 through 4/20/98.										
	07/21/98	NLPH	13.08	8.67	280	16	97	<1.2	<1.2	<1.2	---
	10/06/98	NLPH	13.72	8.03	78	26	26	0.89	<0.5	<0.5	---
	01/11/99	NLPH	12.00	9.75	1,000	230	490	5.0	<5.0	7.4	---
	04/08/99	NLPH	11.90	9.85	130	11	70	<1.0	<1.0	<1.0	---
	07/19/99	NLPH	11.75	10.00	989	16.4	393	6.40	5.70	15.0	---
	07/27/99	NLPH	13.68	8.07	---	---	---	---	---	---	---
	10/25/99	NLPH	13.61	8.14	150	19	53	<0.5	<0.5	<0.5	---
	01/27/00	NLPH	12.22	9.53	500	12	210	0.59	1.40	2.29	---
	04/03/00	NLPH	12.00	9.75	1,100	16	420	1.6	1.8	1.4	---
	07/05/00	NLPH	13.01	8.74	1,200	16	440	1.4	2.5	1.9	---
	10/04/00	NLPH	13.60	8.15	390	8.3	160	1.1	1.5	2.6	---
	10/05/00	---	---	---	---	---	---	---	---	---	<1
	01/04/01	NLPH	13.65	8.10	500	12	230	0.97	1.1	1.4	---
	04/03/01	NLPH	12.30	9.45	710	7.5	290	<0.5	<0.5	<0.5	---
	07/05/01	NLPH	13.28	8.47	640	9	280	1.4	1.6	2.7	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0235
2225 Telegraph Avenue
Oakland, California
(Page 5 of 5)

Notes:

SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
sheen	=	Liquid-phase hydrocarbon present as sheen.
TOC	=	Elevation of top of well casing; relative to mean sea level.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; relative to mean sea level.
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
<	=	Less than the indicated detection limit shown by the laboratory.
---	=	Not measured or sampled.
a	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
mg/L	=	Milligrams per liter.
ug/L	=	Micrograms per liter.

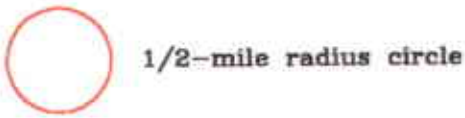
Sampling discontinued for wells MW6F, MW6G, and RW1 per Alameda County Health Services Agency letter dated June 1, 1998.



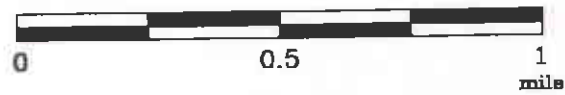
3-D TopoQuad Copyright © 1989 DeLorme Kennebunk, ME 04049 Source Date: 19728
 1:17,200 Scale: 1:17,200 Cont: 11.0 Datum: WGS84

FN 2229Topo

EXPLANATION



APPROXIMATE SCALE



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

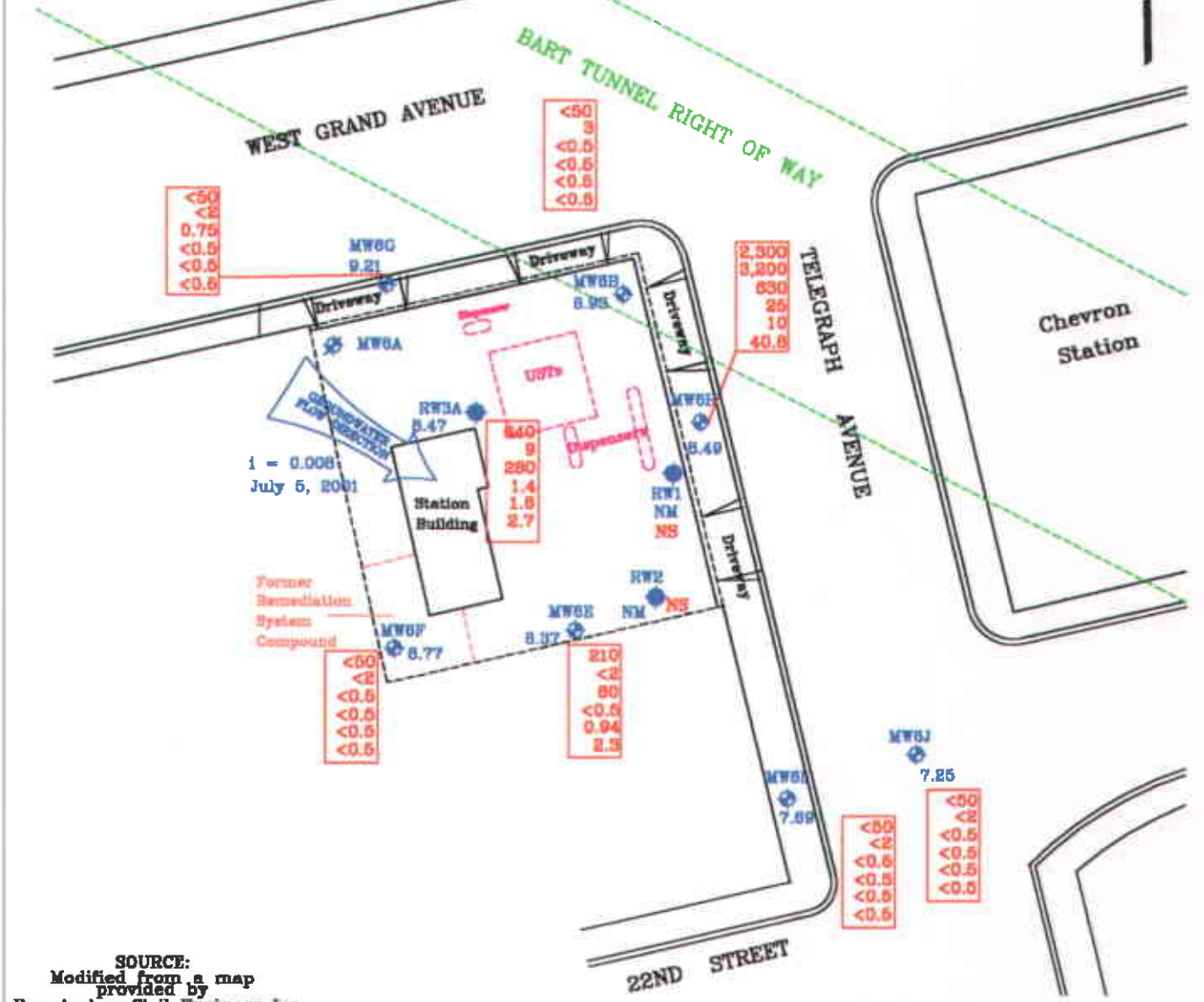


SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0235
 2225 Telegraph Avenue
 Oakland, California

PROJECT NO.
2229
PLATE
1

APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
Ron Archer Civil Engineer Inc.

FN 22290003

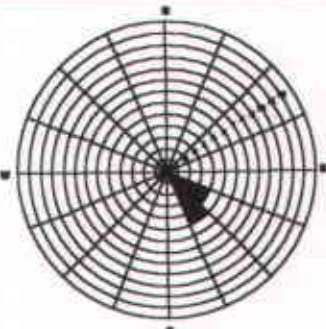
EXPLANATION

- MW6J Groundwater Monitoring Well
- 7.25 Groundwater elevation in feet, datum is mean sea level
- MW6A Destroyed Groundwater Monitoring Well
- RW3A Groundwater Recovery Well
- 1 - Interpreted Hydraulic Gradient
- NM - Not Measured

Groundwater Concentrations in ug/L
Sampled July 6, 2001

2,300	Total Petroleum Hydrocarbons as gasoline
3,200	Methyl Tertiary Butyl Ether
630	Benzene
20	Toluene
10	Ethylbenzene
40.8	Total Xylenes

< Less Than the Stated Laboratory Detection Limit
ug/L Micrograms per Liter
NS Not Sampled



GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-0235
2225 Telegraph Avenue
Oakland, California

PROJECT NO.
2229
PLATE
2

ATTACHMENT A
GROUNDWATER SAMPLING PROTOCOL

GROUNDWATER SAMPLING PROTOCOL

The static water level and separate-phase product level, if present, in each well that contains water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h (7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter (ml) glass vials, 1,000 ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the chain of custody form.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain of Custody Record, to a California-certified laboratory.

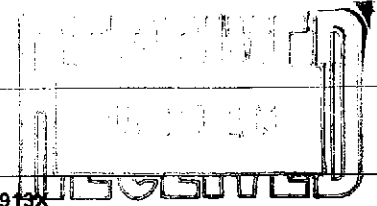
ATTACHMENT B
LABORATORY ANALYSIS REPORT
AND CHAIN-OF-CUSTODY RECORD



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

EXXON Company U.S.A.

Certificate of Analysis Number:
01070276



Report To: Environmental Resolution, inc. Scott Thompson 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856	Project Name: 222913X Site: 7-0235 Site Address: 2225 Telegraph Ave. Oakland CA PO Number: EWR#21040346 State: California State Cert. No.: 1903 Date Reported: 7/16/01
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This Report Contains A Total Of 23 Pages

Excluding This Page

And

Chain Of Custody

7/16/01

Date



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

Certificate of Analysis Number:
01070276

<p>Report To: Environmental Resolution, Inc. Scott Thompson 73 Digital Drive Suite 100 Novato California 94949- ph: (415) 382-9105 fax: (415) 382-1856</p>	<p>Project Name: 222913X Site: 7-0235 Site Address: 2225 Telegraph Ave. Oakland CA PO Number: EWR#21040346 State: California State Cert. No.: 1903 Date Reported: 7/16/01</p>
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Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other 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.

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.

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


 Sonia West
 Senior Project Manager



EXXON Company U.S.A.

Certificate of Analysis Number:
01070276

Report To: Environmental Resolution, Inc.
 Scott Thompson
 73 Digital Drive Suite 100

Novato
 California
 94949-
 ph: (415) 382-9105 fax: (415) 382-1856

fax To: Environmental Resolution, Inc.
 Scott Thompson fax : (415) 382-1856

Project Name: 222913X
Site: 7-0235
Site Address: 2225 Telegraph Ave.
 Oakland CA
PO Number: EWR#21040346
State: California
State Cert. No.: 1903
Date Reported: 7/16/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
TB 6/5/01	01070276-01	Water	7/5/01	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-12-MW6I	01070276-02	Water	7/5/01 5:40:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-12-MW6I	01070276-03	Water	7/5/01 5:40:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-13-MW6F	01070276-04	Water	7/5/01 5:58:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-11-MW6G	01070276-05	Water	7/5/01 6:18:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-13-MW6E	01070276-06	Water	7/5/01 6:09:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-13-RW3A	01070276-07	Water	7/5/01 6:32:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-12-MW6B	01070276-08	Water	7/5/01 6:43:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-11-MW6H	01070276-09	Water	7/5/01 6:53:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>
W-14-MW6J	01070276-10	Water	7/5/01 2:41:00 PM	7/10/01 9:30:00 AM		<input type="checkbox"/>

Sonia West

7/16/01

Sonia West
 Senior Project Manager

Date

Joel Grice
 Laboratory Director

Ted Yen
 Quality Assurance Officer



Client Sample ID TB 6/5/01

Collected: 7/5/01

SPL Sample ID: 01070276-01

Site: 7-0235

Analyses/Method	Result	Rep.Limit	MCL	CA_GRO	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO			Units: ug/L		
Gasoline Range Organics	ND	50			1		07/13/01 3:23	D_R	741658
Surr: 1,4-Difluorobenzene	103	% 62-144			1		07/13/01 3:23	D_R	741658
Surr: 4-Bromofluorobenzene	97.7	% 44-153			1		07/13/01 3:23	D_R	741658
PURGEABLE AROMATICS			MCL	SW8021B			Units: ug/L		
Benzene	ND	0.5			1		07/13/01 3:23	D_R	741640
Ethylbenzene	ND	0.5			1		07/13/01 3:23	D_R	741640
Methyl tert-butyl ether	ND	2			1		07/13/01 3:23	D_R	741640
Toluene	ND	0.5			1		07/13/01 3:23	D_R	741640
m,p-Xylene	ND	0.5			1		07/13/01 3:23	D_R	741640
o-Xylene	ND	0.5			1		07/13/01 3:23	D_R	741640
Xylenes,Total	ND	0.5			1		07/13/01 3:23	D_R	741640
Surr: 1,4-Difluorobenzene	101	% 72-137			1		07/13/01 3:23	D_R	741640
Surr: 4-Bromofluorobenzene	96.1	% 48-156			1		07/13/01 3:23	D_R	741640

Sonia West

Sonia West
 Project Manager

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



Client Sample ID W-BB-MW61

Collected: 7/5/01 5:40:00 P SPL Sample ID: 01070276-02

Site: 7-0235

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		07/13/01 6:02	D_R	741665
Surr: 1,4-Difluorobenzene	101	% 62-144	1		07/13/01 6:02	D_R	741665
Surr: 4-Bromofluorobenzene	101	% 44-153	1		07/13/01 6:02	D_R	741665
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/13/01 6:02	D_R	741647
Ethylbenzene	ND	0.5	1		07/13/01 6:02	D_R	741647
Methyl tert-butyl ether	ND	2	1		07/13/01 6:02	D_R	741647
Toluene	ND	0.5	1		07/13/01 6:02	D_R	741647
m,p-Xylene	ND	0.5	1		07/13/01 6:02	D_R	741647
o-Xylene	ND	0.5	1		07/13/01 6:02	D_R	741647
Xylenes, Total	ND	0.5	1		07/13/01 6:02	D_R	741647
Surr: 1,4-Difluorobenzene	102	% 72-137	1		07/13/01 6:02	D_R	741647
Surr: 4-Bromofluorobenzene	105	% 48-156	1		07/13/01 6:02	D_R	741647

Sonia West

Sonia West
 Project Manager

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



Client Sample ID W-12-MW6I

Collected: 7/5/01 5:40:00 P SPL Sample ID: 01070276-03

Site: 7-0235

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		07/13/01 6:25	D_R	741666
Surr: 1,4-Difluorobenzene	102	% 62-144	1		07/13/01 6:25	D_R	741666
Surr: 4-Bromofluorobenzene	99.0	% 44-153	1		07/13/01 6:25	D_R	741666
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/13/01 6:25	D_R	741648
Ethylbenzene	ND	0.5	1		07/13/01 6:25	D_R	741648
Methyl tert-butyl ether	ND	2	1		07/13/01 6:25	D_R	741648
Toluene	ND	0.5	1		07/13/01 6:25	D_R	741648
m,p-Xylene	ND	0.5	1		07/13/01 6:25	D_R	741648
o-Xylene	ND	0.5	1		07/13/01 6:25	D_R	741648
Xylenes, Total	ND	0.5	1		07/13/01 6:25	D_R	741648
Surr: 1,4-Difluorobenzene	102	% 72-137	1		07/13/01 6:25	D_R	741648
Surr: 4-Bromofluorobenzene	96.1	% 48-156	1		07/13/01 6:25	D_R	741648

Sonia West

Sonia West
 Project Manager

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



Client Sample ID W-13-MW6F

Collected: 7/5/01 5:58:00 P SPL Sample ID: 01070276-04

Site: 7-0235

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		07/13/01 6:48	D_R	741667
Surr: 1,4-Difluorobenzene	101	% 62-144	1		07/13/01 6:48	D_R	741667
Surr: 4-Bromofluorobenzene	98.0	% 44-153	1		07/13/01 6:48	D_R	741667
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/13/01 6:48	D_R	741649
Ethylbenzene	ND	0.5	1		07/13/01 6:48	D_R	741649
Methyl tert-butyl ether	ND	2	1		07/13/01 6:48	D_R	741649
Toluene	ND	0.5	1		07/13/01 6:48	D_R	741649
m,p-Xylene	ND	0.5	1		07/13/01 6:48	D_R	741649
o-Xylene	ND	0.5	1		07/13/01 6:48	D_R	741649
Xylenes, Total	ND	0.5	1		07/13/01 6:48	D_R	741649
Surr: 1,4-Difluorobenzene	102	% 72-137	1		07/13/01 6:48	D_R	741649
Surr: 4-Bromofluorobenzene	96.1	% 48-156	1		07/13/01 6:48	D_R	741649

Sonia West

Sonia West
 Project Manager

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



Client Sample ID W-11-MW6G

Collected: 7/5/01 6:18:00 P SPL Sample ID: 01070276-05

Site: 7-0235

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		07/13/01 11:42	D_R	741766
Surr: 1,4-Difluorobenzene	102	% 62-144	1		07/13/01 11:42	D_R	741766
Surr: 4-Bromofluorobenzene	98.3	% 44-153	1		07/13/01 11:42	D_R	741766
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	0.75	0.5	1		07/13/01 11:42	D_R	741220
Ethylbenzene	ND	0.5	1		07/13/01 11:42	D_R	741220
Methyl tert-butyl ether	ND	2	1		07/13/01 11:42	D_R	741220
Toluene	ND	0.5	1		07/13/01 11:42	D_R	741220
m,p-Xylene	ND	0.5	1		07/13/01 11:42	D_R	741220
o-Xylene	ND	0.5	1		07/13/01 11:42	D_R	741220
Xylenes, Total	ND	0.5	1		07/13/01 11:42	D_R	741220
Surr: 1,4-Difluorobenzene	102	% 72-137	1		07/13/01 11:42	D_R	741220
Surr: 4-Bromofluorobenzene	95.5	% 48-156	1		07/13/01 11:42	D_R	741220

Sonia West

Sonia West
 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
 MI - Matrix Interference



Client Sample ID W-13-MW6E

Collected: 7/5/01 6:09:00 P SPL Sample ID: 01070276-06

Site: 7-0235

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA GRO	Units: ug/L		
Gasoline Range Organics	210	50	1		07/13/01 12:04	D_R	741767
Surr: 1,4-Difluorobenzene	105	% 62-144	1		07/13/01 12:04	D_R	741767
Surr: 4-Bromofluorobenzene	111	% 44-153	1		07/13/01 12:04	D_R	741767
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	80	0.5	1		07/13/01 12:04	D_R	741221
Ethylbenzene	0.94	0.5	1		07/13/01 12:04	D_R	741221
Methyl tert-butyl ether	ND	2	1		07/13/01 12:04	D_R	741221
Toluene	ND	0.5	1		07/13/01 12:04	D_R	741221
m,p-Xylene	2.3	0.5	1		07/13/01 12:04	D_R	741221
o-Xylene	ND	0.5	1		07/13/01 12:04	D_R	741221
Xylenes, Total	2.3	0.5	1		07/13/01 12:04	D_R	741221
Surr: 1,4-Difluorobenzene	104	% 72-137	1		07/13/01 12:04	D_R	741221
Surr: 4-Bromofluorobenzene	105	% 48-156	1		07/13/01 12:04	D_R	741221

Sonia West

Sonia West

Project Manager

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



Client Sample ID W-13-RW3A

Collected: 7/5/01 6:32:00 P SPL Sample ID: 01070276-07

Site: 7-0235

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA GRO	Units: ug/L		
Gasoline Range Organics	640	50	1		07/13/01 12:26	D_R	741768
Surr: 1,4-Difluorobenzene	115	% 62-144	1		07/13/01 12:26	D_R	741768
Surr: 4-Bromofluorobenzene	106	% 44-153	1		07/13/01 12:26	D_R	741768
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	280	0.5	1		07/13/01 12:26	D_R	741222
Ethylbenzene	1.6	0.5	1		07/13/01 12:26	D_R	741222
Methyl tert-butyl ether	9	2	1		07/13/01 12:26	D_R	741222
Toluene	1.4	0.5	1		07/13/01 12:26	D_R	741222
m,p-Xylene	2.7	0.5	1		07/13/01 12:26	D_R	741222
o-Xylene	ND	0.5	1		07/13/01 12:26	D_R	741222
Xylenes, Total	2.7	0.5	1		07/13/01 12:26	D_R	741222
Surr: 1,4-Difluorobenzene	106	% 72-137	1		07/13/01 12:26	D_R	741222
Surr: 4-Bromofluorobenzene	104	% 48-156	1		07/13/01 12:26	D_R	741222

Sonia West

Sonia West
 Project Manager

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



Client Sample ID W-12-MW6B

Collected: 7/5/01 6:43:00 P SPL Sample ID: 01070276-08

Site: 7-0235

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		07/13/01 12:49	D_R	741769
Surr: 1,4-Difluorobenzene	104	% 62-144	1		07/13/01 12:49	D_R	741769
Surr: 4-Bromofluorobenzene	98.0	% 44-153	1		07/13/01 12:49	D_R	741769
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/13/01 12:49	D_R	741223
Ethylbenzene	ND	0.5	1		07/13/01 12:49	D_R	741223
Methyl tert-butyl ether	3	2	1		07/13/01 12:49	D_R	741223
Toluene	ND	0.5	1		07/13/01 12:49	D_R	741223
m,p-Xylene	ND	0.5	1		07/13/01 12:49	D_R	741223
o-Xylene	ND	0.5	1		07/13/01 12:49	D_R	741223
Xylenes,Total	ND	0.5	1		07/13/01 12:49	D_R	741223
Surr: 1,4-Difluorobenzene	102	% 72-137	1		07/13/01 12:49	D_R	741223
Surr: 4-Bromofluorobenzene	95.8	% 48-156	1		07/13/01 12:49	D_R	741223

Sonia West

Sonia West

Project Manager

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



Client Sample ID W-11-MW6H

Collected: 7/5/01 6:53:00 P SPL Sample ID: 01070276-09

Site: 7-0235

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS			MCL	CA_GRO	Units: ug/L		
Gasoline Range Organics	2300	50	1		07/13/01 15:21	D_R	741770
Surr: 1,4-Difluorobenzene	270MI	% 62-144	1	*	07/13/01 15:21	D_R	741770
Surr: 4-Bromofluorobenzene	129	% 44-153	1		07/13/01 15:21	D_R	741770
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	630	12	25		07/14/01 19:47	D_R	742431
Ethylbenzene	10	0.5	1		07/13/01 15:21	D_R	741751
Methyl tert-butyl ether	3200	50	25		07/14/01 19:47	D_R	742431
Toluene	25	0.5	1		07/13/01 15:21	D_R	741751
m,p-Xylene	36	0.5	1		07/13/01 15:21	D_R	741751
o-Xylene	4.8	0.5	1		07/13/01 15:21	D_R	741751
Xylenes, Total	40.8	0.5	1		07/13/01 15:21	D_R	741751
Surr: 1,4-Difluorobenzene	98.4	% 72-137	25		07/14/01 19:47	D_R	742431
Surr: 1,4-Difluorobenzene	140MI	% 72-137	1	*	07/13/01 15:21	D_R	741751
Surr: 4-Bromofluorobenzene	100	% 48-156	25		07/14/01 19:47	D_R	742431
Surr: 4-Bromofluorobenzene	113	% 48-156	1		07/13/01 15:21	D_R	741751

Sonia West

Sonia West

Project Manager

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



Client Sample ID W-14-MW6J

Collected: 7/5/01 2:41:00 P SPL Sample ID: 01070276-10

Site: 7-0235

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		07/13/01 15:43	D_R	741771
Surr: 1,4-Difluorobenzene	102	% 62-144	1		07/13/01 15:43	D_R	741771
Surr: 4-Bromofluorobenzene	98.7	% 44-153	1		07/13/01 15:43	D_R	741771
PURGEABLE AROMATICS			MCL	SW8021B	Units: ug/L		
Benzene	ND	0.5	1		07/14/01 19:20	D_R	742430
Ethylbenzene	ND	0.5	1		07/14/01 19:20	D_R	742430
Methyl tert-butyl ether	ND	2	1		07/14/01 19:20	D_R	742430
Toluene	ND	0.5	1		07/14/01 19:20	D_R	742430
m,p-Xylene	ND	0.5	1		07/14/01 19:20	D_R	742430
o-Xylene	ND	0.5	1		07/14/01 19:20	D_R	742430
Xylenes, Total	ND	0.5	1		07/14/01 19:20	D_R	742430
Surr: 1,4-Difluorobenzene	96.5	% 72-137	1		07/14/01 19:20	D_R	742430
Surr: 4-Bromofluorobenzene	101	% 48-156	1		07/14/01 19:20	D_R	742430

Sonia West

Sonia West

Project Manager

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

Quality Control Documentation



Quality Control Report

EXXON Company U.S.A.

222913X

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070276
Lab Batch ID: R38946

Method Blank

Samples in Analytical Batch:

RunID: HP_R_010713A-741217 Units: ug/L
Analysis Date: 07/13/2001 9:26 Analyst: D_R

Lab Sample ID	Client Sample ID
01070276-05A	W-11-MW6G
01070276-06A	W-13-MW6E
01070276-07A	W-13-RW3A
01070276-08A	W-12-MW6B
01070276-09A	W-11-MW6H

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes, Total	ND	0.50
Surr: 1,4-Difluorobenzene	103.3	72-137
Surr: 4-Bromofluorobenzene	99.4	48-156

Laboratory Control Sample (LCS)

RunID: HP_R_010713A-741216 Units: ug/L
Analysis Date: 07/13/2001 8:19 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	51	103	70	130
Ethylbenzene	50	50	100	70	130
Methyl tert-butyl ether	50	45	91	70	130
Toluene	50	51	103	70	130
m,p-Xylene	100	100	100	70	130
o-Xylene	50	50	100	70	130
Xylenes, Total	150	150	100	70	130

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

Sample Spiked: 01070276-05
RunID: HP_R_010713A-741218 Units: ug/L
Analysis Date: 07/13/2001 9:49 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	0.75	20	23	112	20	27	130	15.0	21	32	164
Ethylbenzene	ND	20	22	112	20	23	113	1.10	19	52	142
Methyl tert-butyl ether	ND	20	14	67.7	20	16	78.6	15.0	20	39	150

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

222913X

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 01070276
 Lab Batch ID: R38946

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

Sample Spiked: 01070276-05
 RunID: HP_R_010713A-741218 Units: ug/L
 Analysis Date: 07/13/2001 9:49 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	23	116	20	24	118	1.60	20	38	159
m-Xylene	ND	40	44	111	40	45	113	2.49	17	53	144
o-Xylene	ND	20	22	112	20	23	114	1.33	18	53	143
Xylenes, Total	ND	60	66	110	60	68	113	2.99	18	53	144

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
EXXON Company U.S.A.
222913X

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070276
Lab Batch ID: R38965

Method Blank

RunID: HP_R_010712B-741638 Units: ug/L
Analysis Date: 07/13/2001 2:14 Analyst: D_R

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01070276-01A	TB 6/5/01
01070276-02A	W-BB-MW6I
01070276-03A	W-12-MW6I
01070276-04A	W-13-MW6F

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	0.50
Methyl tert-butyl ether	ND	2.0
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes, Total	ND	0.50
Surr: 1,4-Difluorobenzene	101.9	72-137
Surr: 4-Bromofluorobenzene	96.3	48-158

Laboratory Control Sample (LCS)

RunID: HP_R_010712B-741626 Units: ug/L
Analysis Date: 07/12/2001 19:02 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	101	70	130
Ethylbenzene	50	50	101	70	130
Methyl tert-butyl ether	50	58	116	70	130
Toluene	50	51	101	70	130
m,p-Xylene	100	100	101	70	130
o-Xylene	50	50	100	70	130
Xylenes, Total	150	150	100	70	130

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

Sample Spiked: 01070147-02
RunID: HP_R_010712B-741627 Units: ug/L
Analysis Date: 07/12/2001 20:10 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	3.3	20	28	122	20	28	126	3.50	21	32	164
Ethylbenzene	ND	20	23	112	20	23	113	1.16	19	52	142
Methyl tert-butyl ether	ND	20	23	114	20	19	96.2	17.0	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
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

222913X

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 01070276
 Lab Batch ID: R38965

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

Sample Spiked: 01070147-02
 RunID: HP_R_010712B-741627 Units: ug/L
 Analysis Date: 07/12/2001 20:10 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	23	115	20	23	115	0.440	20	38	159
m-Xylene	2.2	40	46	110	40	47	111	0.491	17	53	144
o-Xylene	ND	20	23	111	20	23	112	0.890	18	53	143
Xylenes, Total	2.2	60	69	111	60	70	113	1.49	18	53	144

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
 EXXON Company U.S.A.
 222913X

Analysis: Gasoline Range Organics
 Method: CA_GRO

WorkOrder: 01070276
 Lab Batch ID: R38966

Method Blank

Samples in Analytical Batch:

RunID: HP_R_010712C-741652 Units: mg/L
 Analysis Date: 07/12/2001 19:47 Analyst: D_R

Lab Sample ID	Client Sample ID
01070276-01A	TB 6/5/01
01070276-02A	W-BB-MW6I
01070276-03A	W-12-MW6I
01070276-04A	W-13-MW6F

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	99.0	62-144
Surr: 4-Bromofluorobenzene	98.7	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_010712C-741651 Units: mg/L
 Analysis Date: 07/12/2001 19:25 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.73	73	70	130

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

Sample Spiked: 01070147-03
 RunID: HP_R_010712C-741653 Units: mg/L
 Analysis Date: 07/12/2001 20:55 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	106	0.9	0.94	102	3.08	36	36	160

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
 EXXON Company U.S.A.
 222913X

Analysis: Gasoline Range Organics
 Method: CA_GRO

WorkOrder: 01070276
 Lab Batch ID: R38974

Method Blank

Samples in Analytical Batch:

RunID: HP_R_010713B-741763 Units: mg/L
 Analysis Date: 07/13/2001 9:26 Analyst: D_R

Lab Sample ID	Client Sample ID
01070276-05A	W-11-MW6G
01070276-06A	W-13-MW6E
01070276-07A	W-13-RW3A
01070276-08A	W-12-MW6B
01070276-09A	W-11-MW6H
01070276-10A	W-14-MW6J

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.050
Surr: 1,4-Difluorobenzene	105.0	62-144
Surr: 4-Bromofluorobenzene	97.3	44-153

Laboratory Control Sample (LCS)

RunID: HP_R_010713B-741762 Units: mg/L
 Analysis Date: 07/13/2001 9:04 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.74	74	70	130

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

Sample Spiked: 01070276-06
 RunID: HP_R_010713B-741764 Units: mg/L
 Analysis Date: 07/13/2001 10:34 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	0.21	0.9	1.1	94.6	0.9	1.1	96.1	1.55	36	36	160

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report
EXXON Company U.S.A.
222913X

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01070276
Lab Batch ID: R39015

Method Blank

Samples in Analytical Batch:

RunID: HP_S_010714A-742426 Units: ug/L
Analysis Date: 07/14/2001 12:37 Analyst: D_R

Lab Sample ID Client Sample ID
01070276-09A W-11-MW6H
01070276-10A W-14-MW6J

Analyte	Result	Rep Limit
Benzene	ND	0.50
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	2.0
Toluene	ND	1.0
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
Xylenes, Total	ND	0.50
Surr: 1,4-Difluorobenzene	98.3	72-137
Surr: 4-Bromofluorobenzene	97.3	48-156

Laboratory Control Sample (LCS)

RunID: HP_S_010714A-742425 Units: ug/L
Analysis Date: 07/14/2001 10:46 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	50	101	70	130
Ethylbenzene	50	52	103	70	130
Methyl tert-butyl ether	50	50	101	70	130
Toluene	50	51	101	70	130
m,p-Xylene	100	100	101	70	130
o-Xylene	50	50	101	70	130
Xylenes, Total	150	150	100	70	130

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

Sample Spiked: 01070359-03
RunID: HP_S_010714A-742465 Units: ug/L
Analysis Date: 07/14/2001 15:45 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	24	117	20	23	115	1.49	21	32	164
Ethylbenzene	ND	20	23	115	20	23	113	1.57	19	52	142
Methyl tert-butyl ether	690	20	560	-637 *	20	560	-632 *	0.788	20	39	150

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



Quality Control Report

EXXON Company U.S.A.

222913X

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 01070276
 Lab Batch ID: R39015

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

Sample Spiked: 01070359-03
 RunID: HP_S_010714A-742465 Units: ug/L
 Analysis Date: 07/14/2001 15:45 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
Toluene	ND	20	23	115	20	23	114	0.551	20	38	159
m-Xylene	ND	40	46	114	40	45	112	1.10	17	53	144
o-Xylene	ND	20	23	114	20	23	115	0.410	18	53	143
Xylenes, Total	ND	60	69	115	60	68	113	1.46	18	53	144

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

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

*Sample Receipt Checklist
And
Chain of Custody*



Sample Receipt Checklist

Workorder:	01070276	Received By:	NB
Date and Time Received:	7/10/01 9:30:00 AM	Carrier name:	FedEx
Temperature:	4	Chilled by:	Water Ice

- 1. Shipping container/cooler in good condition? Yes No Not Present
- 2. Custody seals intact on shipping container/cooler? Yes No Not Present
- 3. Custody seals intact on sample bottles? Yes No Not Present
- 4. Chain of custody present? Yes No
- 5. Chain of custody signed when relinquished and received? Yes No
- 6. Chain of custody agrees with sample labels? Yes No
- 7. Samples in proper container/bottle? Yes No
- 8. Sample containers intact? Yes No
- 9. Sufficient sample volume for indicated test? Yes No
- 10. All samples received within holding time? Yes No
- 11. Container/Temp Blank temperature in compliance? Yes No
- 12. Water - VOA vials have zero headspace? Yes No Not Applicable
- 13. Water - pH acceptable upon receipt? Yes No Not Applicable

SPL Representative: Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

EXXON COMPANY, USA.

(West Coast)

CHAIN OF CUSTODY RECORD NO. 01010270 Page 1 of 1

Exxon Engineer: Gene Orkin Phone: (925) 246-8747
 Consultant Co. Name: ERT Contact: Scott Thompson
 Address: 73 Digital Rd Fax: (415) 362-1856
Suite 100, Novato CA 94945
 RAS #: 7-0235 Facility/State ID # (TN Only): _____
 AFE # (Terminal Only): _____ Consultant Project #: 200513Y
 Location: 2225 Telegraph Ave (City) Oakland (State) CA
 EE C&M SDT
 Consultant Work Release #: 2101192
 Sampled By: Jared

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

NO. OF CONTAINERS	CONTAINER SIZE	TPH/OC 8015 GRO. <input type="checkbox"/> 8015 DRO <input type="checkbox"/>	BTEX 8020 <input type="checkbox"/> 802 <input type="checkbox"/>	MTBE 8020 <input checked="" type="checkbox"/> 8260 <input 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"/>	PNAPAH 8100 <input type="checkbox"/> 8310 <input type="checkbox"/> 8270 <input type="checkbox"/>	PCB/PEST 6081/8082 <input type="checkbox"/> PCB ONLY <input type="checkbox"/>	TCLP FULLD VOLAD SEMI-VOL PEST <input type="checkbox"/> HERBIC	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"/> 801 <input type="checkbox"/>	TPH/IR 418.1 <input type="checkbox"/>	TOX/TOH <input type="checkbox"/>	

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX			OTHER	PRESERVATIVE
					H ₂ O	SOIL	AIR		
TB	4/5/01	-		X	X				HCL 2 40ml
W-BB-MW62	7/5/01	1240							HCL 3 40ml
W-12-MW6E		1740							
W-13-MW6F		1758							
W-11-MW6G		1818							
W-13-MW6E		1809							
W-13-RW3A		1832							
W-12-MW6B		1843							
W-11-MW6H		1853							
W-14-MW6J		1441							

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:
TPPH g using modified 8015
 LAB USE ONLY Lot # NW Storage Location
 WORK ORDER # 01070270 LAB WORK RELEASE # 21010346

CUSTODY RECORD

Relinquished By Sampler: <u>Jared Kamm</u>	Date	Time	Received By:
Relinquished:	Date	Time	Received By:
Relinquished:	Date	Time	Received By: <u>Way Bill #</u> <u>7/10/01</u> <u>0930</u>