ENVIRONMENTAL RESOLUTIONS, INC.

August 18, 1998
ERI 200913.R15

Ms. Marla D. Guensler
Exxon Company, U.S.A.
P.O. Box 4032
Concord, California 94524-4032

Subject: Quarterly Groundwater Monitoring, Third Quarter 1998, Former Exxon Service Station 7-0236, 6600 East 14th Street, Oakland, California.

Ms. Guensler:

At the request of Exxon Company, U.S.A. (Exxon), Environmental Resolutions, Inc. (ERI) performed the third quarter 1998 groundwater monitoring event at the subject site (Plate 1). The purpose of quarterly monitoring is to evaluate dissolved hydrocarbon concentrations in groundwater and groundwater flow direction and gradient.

GROUNDWATER MONITORING AND SAMPLING

On July 17, 1998, ERI measured depth to water (DTW) in all existing monitoring wells and collected groundwater samples from groundwater wells MW2, MW3, MW4, MW5, MW6, and MW8 for laboratory analysis. ERI also obtained dissolved oxygen readings from each well, except well MW5, on a monthly basis. Monitoring wells MW1 and MW7 were previously abandoned. No measurable liquid phase hydrocarbons were observed in the monitoring wells. Currently, Oxygen Release Compounds (ORC) are being introduced into well MW6. Groundwater monitoring and sampling was performed in accordance with ERI's groundwater sampling protocol (Attachment A).

Based on DTW measurements the groundwater appears to flow southerly with a calculated hydraulic gradient of 0.022 (Plate 2). Historical and recent monitoring data are summarized in Table 1.

LABORATORY ANALYSES AND RESULTS

Groundwater samples were submitted to Sequoia Analytical Laboratories (California State Certification Number 1210) in Redwood City, California, under chain of custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), total purgeable petroleum hydrocarbons as gasoline (TPPHg), and total extractable petroleum hydrocarbons as diesel (TEPHd) using the methods listed in the notes in Table 1. The laboratory analysis reports and chain of custody records are attached (Attachment B). Cumulative results of laboratory analysis 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 Exxon and any reliance on this report by third parties shall be at such party's sole risk.

If you have any questions or comments regarding this report, please call (415) 382-5988.

Sincerely,
Environmental Resolutions, Inc.

Scott R. Graham
Staff Geologist

Mark S. Dockum
R.G. 4412
C.E.G. 1675

Enclosures: 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 Reports and Chain of Custody Record

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0236
6600 East 14th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<..		....>	<... ..... ug/L..... ....>							<ppm>
MW1												
(20.20)	3/15/91	NR	7.44	12.76	---	<50	---	<0.3	0 5	0 3	1.3	---
	01/15/92 (H,T)	NR	10.60	9 60	<300	<50	---	<0.5	0.7	<0.5	0 9	---
	03/23/92 (H,T)	NR	6.38	13.82	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	4/6/92	NR	7 55	12.65	---	---	---	---	---	---	---	---
	07/08/92 (H,T)	NR	9 85	10.35	<50	<50	---	<0.5	<0 5	<0.5	<0 5	---
	10/13/92 (H,T)	NR	12.95	7.25	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	3/9/93	NLPH	7.38	12 82	<50	<50	---	<0.5	<0 5	<0.5	<0.5	---
	6/4/93	NLPH	8.55	11.65	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	9/2/93	NLPH	10.85	9.35	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	11/16/93	NLPH	12.43	7.77	<50	<50	---	<0 5	<0.5	<0 5	<0.5	---
	2/4/94	NLPH	9.10	11.10	<50	<50	---	<0.5	<0.5	<0.5	<0 5	---
	4/29/94	NLPH	8.45	11.75	<50	<50	---	<0 5	<0 5	<0.5	<0.5	---
	9/20/94	NLPH	10.73	9.47	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	12/14/94	NLPH	7.35	12.85	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	3/27/95	NLPH	7.06	13.14	<50	<50	---	<0 5	<0.5	<0.5	<0 5	---
	5/18/95	NLPH	7.32	12.88	<50	<50	---	<0.5	<0.5	<0.5	<0 5	---
	8/8/95	NLPH	9.24	10.96	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	11/7/95	NLPH	10 74	9.46	<50	<50	<2 5	<0.5	<0.5	<0.5	<0.5	---
	2/29/96	NLPH	6.80	13.40	53	<50	<2 5	<0.5	<0.5	<0.5	<0.5	---
	5/10/96	NLPH	8 13	12.07	150	<50	<2.5	<0.5	<0 5	<0 5	<0.5	---
	8/20/96	NLPH	9.58	10 62	<50	<50	<2.5	<0.5	<0.5	<0 5	<0.5	---
	10/17/96	---	---	---	---	---	---	---	---	---	---	9.50
	11/27/96	---	---	---	---	---	---	---	---	---	---	11.54
	12/6/96	NLPH	8.10	12.10	---	---	---	---	---	---	---	10.05
	1/19/97	abandoned										
MW2												
(19.15)	03/15/91 (H,T)	NR	9 05	10.10	120	1,700	---	190	2 6	12	64	---
	01/15/92 (H,T)	NR	11 60	7.55	1,000	6,800	---	81	<10	320	170	---
	03/23/92 (H,T)	NR	9 42	9.73	3,000	7,100	---	740	30	810	490	---
	4/6/92	NR	9 09	10 06	---	---	---	---	---	---	---	---
	7/8/92	NR	10 08	9 07	2,100	7,000	---	250	14	300	160	---
	10/13/92	NR	12.06	7.09	1,900	3,200	---	97	2 6	97	53	---
	3/9/93	sheen	9.71	9 44	---	---	---	---	---	---	---	---
	6/4/93	sheen	9 40	9.75	---	---	---	---	---	---	---	---
	09/02/93	sheen	10.46	8.69	3,700	11,000	2,500	210	18	260	59	---
	11/16/93 (M*)	NLPH	11.44	7.71	3,300	8,500	---	75	27	51	32	---
	2/4/94	NLPH	10.41	8.74	2,700	4,400	---	120	16	22	7.7	---
	4/29/94	NLPH	9.51	9.64	2,000	380	---	5.9	0 6	1.6	<0.5	---

TABLE 1
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Former Exxon Service Station 7-0236
6600 East 14th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<....		.....>	<..... .. .. ug/L.. ....>							<ppm>
MW2 (cont.)	9/20/94	NLPH	10.57	8 58	1,800**	19,000	---	190	29***	110	27***	---
(19.15)	12/14/94	sheen	8.90	10.25	---	---	---	---	---	---	---	---
	09/20/94	NLPH	10.57	8.58	1,800**	19,000	---	190	29***	110	27***	---
	12/14/94	sheen	8.90	10 25	---	---	---	---	---	---	---	---
	3/27/95	NLPH	7.72	11.43	1,700	6,300	---	210	15	250	43	---
	5/18/95	sheen	8 65	10.50	2,000#	6,000	---	180	9 9	220	55	---
	8/8/95	NLPH	9.67	9.48	2,700	5,300	36,000	110	<20	120	<20	---
	11/7/95	NLPH	10.49	8.66	1,800	6,400	24,000	120	11	95	38	---
					Additional Analyses for general minerals and properties <*							---
	2/29/96	NLPH	8.45	10.70	2,500	<5,000	25,000	120	<50	120	<50	---
	5/10/96	NLPH	9.02	10.13	2,300	11,000	26,000	210	120	210	140	---
	8/20/96	NLPH	10 08	9.07	---	---	---	---	---	---	---	---
	10/17/96	---	---	---	---	---	---	---	---	---	---	7.75
	11/27/96	---	---	---	---	---	---	---	---	---	---	6.28
	12/6/96	NLPH	10.21	8.94	1,700	5,800	<125	170	<25	38	<25	5.21
(22.19)	1/17/97	NLPH	---	---	---	---	---	---	---	---	---	3.67
	2/25/97	NLPH	8 15	14.04	1,500	5,900	4,400	110	14	310	52	2.71
	3/13/97	---	---	---	---	---	---	---	---	---	---	2 46
	4/16/97	---	---	---	---	---	---	---	---	---	---	1.00
	5/21/97	NLPH	10.50	11.69	1,600	5,700	1,800	71	11	240	59	0.85
	6/5/97	---	---	---	---	---	---	---	---	---	---	2.18
	7/11/97	---	---	---	---	---	---	---	---	---	---	1.87
	8/6/97	NLPH	10 80	11.39	1,600	4,100	(1,900)	40	5.2	49	17	1.51
	9/23/97	---	---	---	---	---	---	---	---	---	---	2.36
	10/7/97	NLPH	11 08	11 11	1,200	280	230	1.2	2.4	<0.5	1.1	1.56
	12/24/97	---	---	---	---	---	---	---	---	---	---	1.23
	1/16/98	NLPH	7.29	14 90	1,200	3,500	3,000	190	14	110	31	1.18
	2/20/98	---	---	---	---	---	---	---	---	---	---	1.30
	3/26/98	---	---	---	---	---	---	---	---	---	---	1.20
	4/17/98	NLPH	8 61	13.58	970	3,200	2,600	150	6 9	37	5.7	1 38
	5/13/98	---	---	---	---	---	---	---	---	---	---	0.45
	6/22/98	---	---	---	---	---	---	---	---	---	---	1.09
	7/17/98	NLPH	9 38	12.81	1,300	1,700	1,500	63	<5 0	<5.0	<5.0	0.86
MW3												
(19.59)	03/15/91 (H,T)	NR	7.84	11.75	160	3,100	---	2.2	1 9	100	84	---
	01/15/92 (H,T)	NR	10.30	9.29	<300	250	---	0.7	6.8	1.5	1 5	---
	03/23/92 (H,T)	NR	6.84	12.75	440	640	---	<0.5	12	25	6.5	---
	4/6/92	NR	7 84	11.75	---	---	---	---	---	---	---	---
	07/08/92 (H,T)	NR	8.63	10 96	960	2,900	---	<0 5	2.6	12	63.7	---
	10/13/92 (H)	NR	12.10	7.49	400	1,100	---	5.5	<0.5	4.6	1.1	---

low DO

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Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<		>	<			ug/L			>	<ppm>
MW3 (cont.)	3/9/93	sheen	9.05	10.54	---	---	---	---	---	---	---	---
(19.59)	6/4/93	sheen	8 43	11 16	---	---	---	---	---	---	---	---
	9/2/93	NLPH	10.22	9.37	690	840	---	2.7	3.6	5.4	2.9	---
	11/16/93	NLPH	11 44	8.15	310	650	---	<0.5	11	7.7	2 4	---
	2/4/94	NLPH	9.27	10.32	340	870	---	0 6	14	1.2	0.8	---
	4/29/94	NLPH	8 10	11.49	290	790	---	<0.5	<0.5	0 8	1	---
	9/20/94	NLPH	10.10	9.49	91**	1,900	---	<0.5	<0.5	11	4 4	---
	12/14/94	NLPH	8.00	11.59	190	1,700	---	17	22	<0.5	<0.5	---
	3/27/95	NLPH	7.23	12.36	1,100	1,500	---	5	3.1	6.3	3.6	---
	5/18/95	NLPH	7.73	11.86	470#	1,000	---	<0.5	<0.5	4 1	0.94	---
	8/8/95	NLPH	8.81	10.78	580	1,600	12	12	<0.5	2.4	0.63	---
	11/7/95	NLPH	9.96	9 63	540	1,500	26	<2 5	2 9	<2.5	<2.5	---
	2/29/96	NLPH	8 47	11.12	680	1,000	<25	<5 0	<5.0	<5.0	<5.0	---
	5/10/96	NLPH	7 93	11.66	560	480	6.8	<1.0	<1.0	<1.0	<1.0	---
	8/20/96	NLPH	10.13	9.46	---	---	---	---	---	---	---	---
	10/17/96	---	---	---	---	---	---	---	---	---	---	7.65
	11/27/96	---	---	---	---	---	---	---	---	---	---	8.76
	12/6/96	NLPH	9.21	10.38	450	970	19	<1.0	<1 0	<1.0	1.8	10.14
(22.62)	1/17/97	---	---	---	---	---	---	---	---	---	---	14.02
	2/25/97	NLPH	8 34	14.28	410	990	47	10	0 85	0 86	1.5	10.69
	3/13/97	---	---	---	---	---	---	---	---	---	---	8.68
	4/16/97	---	---	---	---	---	---	---	---	---	---	18.73
	5/21/97	NLPH	9 99	12.63	270	<50	<2.5	<0.5	<0.5	<0.5	<0 5	6.76
	6/5/97	---	---	---	---	---	---	---	---	---	---	6.70
	7/11/97	---	---	---	---	---	---	---	---	---	---	4.10
	8/6/97	NLPH	10.29	12 33	310	650	<5 0	4.0	<1 0	<1 0	<1.0	10.59
	9/23/97	---	---	---	---	---	---	---	---	---	---	8.62
	10/7/97	NLPH	10.86	11.76	500	1,600	12	24	10	<2.0	3.5	11.81
	12/24/97	---	---	---	---	---	---	---	---	---	---	---
	1/16/98	---	---	---	---	---	---	---	---	---	---	---
	2/20/98	---	---	---	---	---	---	---	---	---	---	11.22
	3/26/98	---	---	---	---	---	---	---	---	---	---	10.55
	4/17/98	NLPH	7.56	15.06	220	710	21	<0.5	0 76	<0.5	<0.5	9.40
	5/13/98	---	---	---	---	---	---	---	---	---	---	0.22
	6/22/98	---	---	---	---	---	---	---	---	---	---	0.96
	7/17/98	NLPH	8.23	14 39	180	450	8.9	9.5	<1.0	<1 0	<1.0	0.94

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Former Exxon Service Station 7-0236
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Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<		>	<			ug/L			>	<ppm>
MW4												
(19.46)	4/6/92	NR	7.76	11.70	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	7/8/92	NR	9.56	9.90	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	10/13/92	NR	12.09	7.37	<80	<50	--	<0.5	<0.5	<0.5	<0.5	---
	3/9/93	NLPH	7.53	11.93	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	6/4/93	NLPH	8.50	10.96	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	9/2/93	NLPH	10.30	9.16	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	11/16/93*	---	---	---	---	---	---	---	---	---	---	---
	2/4/94	NLPH	8.82	10.64	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	04/29/94(D)	NLPH	8.55	10.91	100	<50	---	<0.5	<0.5	<0.5	<0.5	---
	9/20/94	NLPH	10.21	9.25	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	12/14/94	NLPH	7.04	12.42	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	3/27/95	NLPH	6.38	13.08	140	<50	---	<0.5	<0.5	<0.5	<0.5	---
	5/18/95	NLPH	7.56	11.90	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	8/8/95	NLPH	8.92	10.54	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	11/7/95	NLPH	10.30	9.16	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	2/29/96	NLPH	6.44	13.02	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	5/10/96	NLPH	8.15	11.31	<50	<50	<2.5	<0.5	0.84	<0.5	2.3	---
	8/20/96	NLPH	9.27	10.19	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	10/17/96	---	---	---	---	---	---	---	---	---	---	1.63
	11/27/96	---	---	---	---	---	---	---	---	---	---	1.54
	12/6/96	NLPH	7.76	11.70	---	---	---	---	---	---	---	2.33
(22.58)	1/17/97	---	---	---	---	---	---	---	---	---	---	0.91
	2/25/97	NLPH	7.98	14.60	<50	<50	<2.5	0.60	0.89	<0.5	1.8	1.03
	3/13/97	---	---	---	---	---	---	---	---	---	---	1.06
	4/16/97	---	---	---	---	---	---	---	---	---	---	4.03
	5/21/97	NLPH	9.03	13.55	---	---	---	---	---	---	---	0.90
	6/5/97	---	---	---	---	---	---	---	---	---	---	1.46
	7/11/97	---	---	---	---	---	---	---	---	---	---	1.31
	8/6/97	NLPH	9.74	12.84	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	1.46
	9/23/97	---	---	---	---	---	---	---	---	---	---	1.50
	10/7/97	NLPH	10.06	12.52	---	---	---	---	---	---	---	1.65
	12/24/97	---	---	---	---	---	---	---	---	---	---	1.96
	1/16/98	NLPH	5.01	17.57	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	1.68
	2/20/98	---	---	---	---	---	---	---	---	---	---	3.33
	3/26/98	---	---	---	---	---	---	---	---	---	---	1.65
	4/17/98	NLPH	7.21	15.37	---	---	---	---	---	---	---	3.10
	5/13/98	---	---	---	---	---	---	---	---	---	---	0.40

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Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<		>	<			ug/L			>	<ppm>
MW4 (cont)	6/22/98	---	---	---	---	---	---	---	---	---	---	1.20
(22.58)	7/17/98	NLPH	8.46	14.12	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	1.84
MW5												
(16.95)	04/06/92	NR	10.66	6.29	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	07/08/92*	---	---	---	---	---	---	---	---	---	---	---
	10/13/92	NR	15 02	1.93	<50	69	---	<0.5	<0.5	<0.5	<0.5	---
	3/9/93	NLPH	10 27	6 68	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	6/4/93	NLPH	11.35	5 60	<50	<50	---	<0 5	<0.5	<0 5	<0 5	---
	9/2/93	NLPH	13 15	3.80	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	11/16/93	NLPH	14.35	2.60	<50	<50	---	<0 5	<0 5	<0 5	<0.5	---
	2/4/94	NLPH	11 83	5 12	60	<50	---	<0 5	<0 5	<0 5	<0.5	---
	4/29/94	NLPH	11 15	5 80	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	9/20/94	NLPH	12.79	4 16	<50	<50	---	<0.5	<0.5	<0 5	<0.5	---
	12/14/94	NLPH	9.95	7.00	<50	<50	---	<0.5	<0.5	<0.5	<0 5	---
	3/27/95	NLPH	9.09	7.86	<50	<50	---	<0.5	<0 5	<0 5	<0.5	---
	5/18/95	NLPH	10.29	6.66	<50	<50	---	<0 5	4 6	0.65	2 8	---
	8/8/95	NLPH	11.13	5.82	51	<50	<2 5	<0.5	<0.5	<0.5	<0.5	---
	11/7/95	NLPH	12.12	4 83	<50	<50	<2.5	<0 5	<0.5	<0.5	<0.5	---
	Additional Analyses for general minerals and properties				< **							---
	2/29/96	NLPH	9.24	7 71	60	<50	<2.5	<0.5	<0 5	<0.5	<0.5	---
	5/10/96	NLPH	10.71	6.24	<50	<50	<2.5	<0.5	<0.5	<0.5	1 6	---
	8/20/96	NLPH	11.45	5.50	---	---	---	---	---	---	---	---
	10/17/96	---	---	---	---	---	---	---	---	---	---	---
	11/27/96	---	---	---	---	---	---	---	---	---	---	---
	12/6/96	NLPH	10.70	6.25	90	62	<2.5	1 2	6.5	1.7	11	---
	1/17/97	---	---	---	---	---	---	---	---	---	---	---
(19.98)	2/25/97	NLPH	10.49	9 49	90	<50	<2 5	1.4	2.4	0.95	7 4	---
	3/13/97	---	---	---	---	---	---	---	---	---	---	---
	4/16/97	---	---	---	---	---	---	---	---	---	---	---
	5/21/97	NLPH	11.31	8.67	<50	<50	<2 5	<0.5	<0 5	<0.5	<0.5	---
	6/5/97	---	---	---	---	---	---	---	---	---	---	---
	7/11/97	---	---	---	---	---	---	---	---	---	---	---
	8/6/97	NLPH	11.78	8.20	<50	<50	<2 5	<0.5	<0 5	<0 5	<0.5	---
	9/23/97	---	---	---	---	---	---	---	---	---	---	---
	10/7/97	NLPH	12.26	7.72	<50	<50	<2.5	<0.5	<0.5	<0 5	<0.5	---
	12/24/97	---	---	---	---	---	---	---	---	---	---	---
	1/16/98	NLPH	8 87	11.11	<50	<50	<2.5	<0 5	<0 5	<0.5	0.64	---
	2/20/98	---	---	---	---	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0236
6600 East 14th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<.		. .....>	<.... .... ug/L ....>							<ppm>
MW5 (cont.)	3/26/98	---	---	---	---	---	---	---	---	---	---	---
(19.98)	4/17/98	NLPH	9.97	10.01	<50	<50	<2.5	0.90	2.2	0.81	3.6	---
	5/13/98	---	---	---	---	---	---	---	---	---	---	---
	6/22/98	---	---	---	---	---	---	---	---	---	---	---
	7/17/98	NLPH	11.00	8.98	<50	<50	<2.5	<0.5	<0 5	<0 5	<0.5	---
MW6												
(18.79)	04/06/92(H)	NR	8 29	10.50	<50	<50	---	<0.5	<0.5	<0 5	<0.5	---
	07/08/92(H,T)	NR	9.22	9.57	<50	<50	---	<0 5	<0 5	<0.5	<0 5	---
	10/13/92	NR	11.51	7.28	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	3/9/93	NLPH	8.26	10 53	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	6/4/93	NLPH	8 90	9.89	<50	<50	---	<0.5	<0.5	<0 5	<0.5	---
	9/2/93	NLPH	9.92	8.87	60	<50	---	<0 5	<0 5	<0.5	<0.5	---
	11/16/93	NLPH	10.65	8.14	<50	<50	---	<0.5	<0.5	<0 5	<0 5	---
	2/4/94	NLPH	9.26	9.53	80	<50	---	<0.5	<0 5	<0.5	<0.5	---
	4/29/94	NLPH	8 33	10.46	110	<50	---	<0.5	<0.5	<0.5	<0.5	---
	9/20/94	NLPH	9.23	9.56	<50	<50	---	<0.5	<0 5	<0.5	<0.5	---
	12/14/94	sheen	7.87	10.92	---	---	---	---	---	---	---	---
	3/27/95	NLPH	7.63	11.16	54	56	---	<0 5	<0 5	<0.5	<0.50	---
	5/18/95	NLPH	8.00	10.79	71	56	---	<0.5	<0.5	<0.5	<0.5	---
	8/8/95	NLPH	8.92	9 87	60	<50	<2 5	<0.5	<0.5	<0.5	<0.5	---
	11/7/95	NLPH	9 77	9.02	<50	<50	4 7	<0 5	<0 5	<0 5	<0.5	---
	2/29/96	NLPH	7.67	11.12	64	<50	<2 5	<0 5	<0.5	<0.5	<0.5	---
	5/10/96	NLPH	8 33	10 46	110	<50	5.4	<0.5	<0.5	<0.5	<0.5	---
	8/20/96	NLPH	9 16	9.63	---	---	---	---	---	---	---	---
	10/17/96	---	---	---	---	---	---	---	---	---	---	10.58
	11/27/96	---	---	---	---	---	---	---	---	---	---	14.17
	12/6/96	NLPH	8.55	10.24	68	<50	3 9	<0 5	<0 5	<0.5	<0.5	10.33
(21.84)	1/17/97	---	---	---	---	---	---	---	---	---	---	11.71
	2/25/97	NLPH	8.42	13.42	67	<50	6.8	<0.5	<0.5	<0.5	<0.5	10.94
	3/13/97	---	---	---	---	---	---	---	---	---	---	8.88
	4/16/97	---	---	---	---	---	---	---	---	---	---	15.20
	5/21/97	NLPH	9.16	12.68	82	<50	3.4	<0.5	<0.5	<0.5	<0.5	12.38
	6/5/97	---	---	---	---	---	---	---	---	---	---	10.99
	7/11/97	---	---	---	---	---	---	---	---	---	---	10.13
	8/6/97	NLPH	9.82	12.02	<50	<50	<2 5	<0.5	<0.5	<0.5	<0.5	9.05
	9/23/97	---	---	---	---	---	---	---	---	---	---	6 22
	10/7/97	NLPH	9.85	11.99	89	<50	4.1	<0.5	<0.5	<0.5	<0.5	9.68
	12/24/97	---	---	---	---	---	---	---	---	---	---	2.78

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0236
6600 East 14th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<.....	feet	..... >	<.	.. ..	... ug/L	. .. .	... ...	.. ..	....>	<ppm>
MW6 (cont.)	1/16/98	NLPH	5.50	16.34	93	<50	<2.5	<0.5	<0 5	<0.5	<0.5	2.73
(21.84)	2/20/98	---	---	---	---	---	---	---	---	---	---	3.55
	3/26/98	---	---	---	---	---	---	---	---	---	---	3.90
	4/17/98	NLPH	8.12	13.72	59	<50	<2.5	<0.5	<0 5	<0.5	<0.5	5.08
	5/13/98	---	---	---	---	---	---	---	---	---	---	6.90
	6/22/98	---	---	---	---	---	---	---	---	---	---	8 96
	7/17/98	NLPH	8.81	13.03	63	<50	3.3	<0.5	<0.5	<0 5	<0.5	10.69
MW7												
(19.23)	4/6/92	NR	8.34	10.89	<50	<50	---	<0 5	<0.5	<0 5	<0.5	---
	7/8/92	NR	10.30	8 93	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	10/13/92	NR	12.91	6.32	94	670	---	0.8	<0.5	<0 5	2.5	---
	03/09/93*	---	---	---	---	---	---	---	---	---	---	---
	6/4/93	NLPH	8.68	10 55	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	9/2/93	NLPH	10.80	8 43	<50	<50	---	<0.5	<0 5	<0.5	<0.5	---
	11/16/93	NLPH	12.38	6 85	<50	<50	---	<0 5	<0 5	<0.5	<0 5	---
	2/4/94	NLPH	9.28	9.95	<50	<50	---	<0.5	<0 5	<0.5	<0.5	---
	4/29/94	NLPH	9.19	10.04	<50	<50	---	<0.5	<0.5	<0.5	<0.5	---
	9/20/94	NLPH	10.85	8.38	<50	<50	---	<0.5	<0.5	<0 5	<0.5	---
	12/14/94	NLPH	8.44	10.79	<50	<50	---	<0.5	<0.5	<0 5	<0.5	---
	3/27/95	NLPH	7.54	11.69	280	<50	---	<0.5	<0.5	<0.5	<0.5	---
	5/18/95	NLPH	8.11	11.12	<50	<50	---	<0 5	<0.5	<0.5	<0 5	---
	8/8/95	NLPH	9.48	9.75	52	<50	<2 5	<0.5	<0 5	<0 5	<0.5	---
	11/17/95	NLPH	10.83	8 40	<50	<50	<2.5	<0.5	<0 5	<0.5	<0.5	---
	2/29/96	NLPH	7.70	11.53	<50	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	5/10/96	NLPH	8.76	10 47	<50	<50	<2.5	<0.5	<0 5	<0.5	2 1	---
	8/20/96	NLPH	9.91	9.32	<50	<50	<2.5	<0 5	<0.5	<0.5	<0.5	---
	10/17/96	---	---	---	---	---	---	---	---	---	---	1.48
	11/27/96	---	---	---	---	---	---	---	---	---	---	2.71
	12/6/96	NLPH	8.90	10.33	---	---	---	---	---	---	---	8.90
	1/19/97	abandoned										
MW8												
(22.60)	1/17/97	---	---	---	---	---	---	---	---	---	---	1.39
	2/25/97	NLPH	7.93	14.67	<50	69	30	<0 5	<0.5	<0 5	<0.5	1 82
	3/13/97	---	---	---	---	---	---	---	---	---	---	1.58
	4/16/97	---	---	---	---	---	---	---	---	---	---	0.81
	5/21/97	NLPH	9.04	13.56	<50	<50	3.5	<0.5	<0 5	<0.5	<0.5	0.74
	6/5/97	---	---	---	---	---	---	---	---	---	---	0.55
	7/11/97	---	---	---	---	---	---	---	---	---	---	0.85

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0236
6600 East 14th Street
Oakland, California

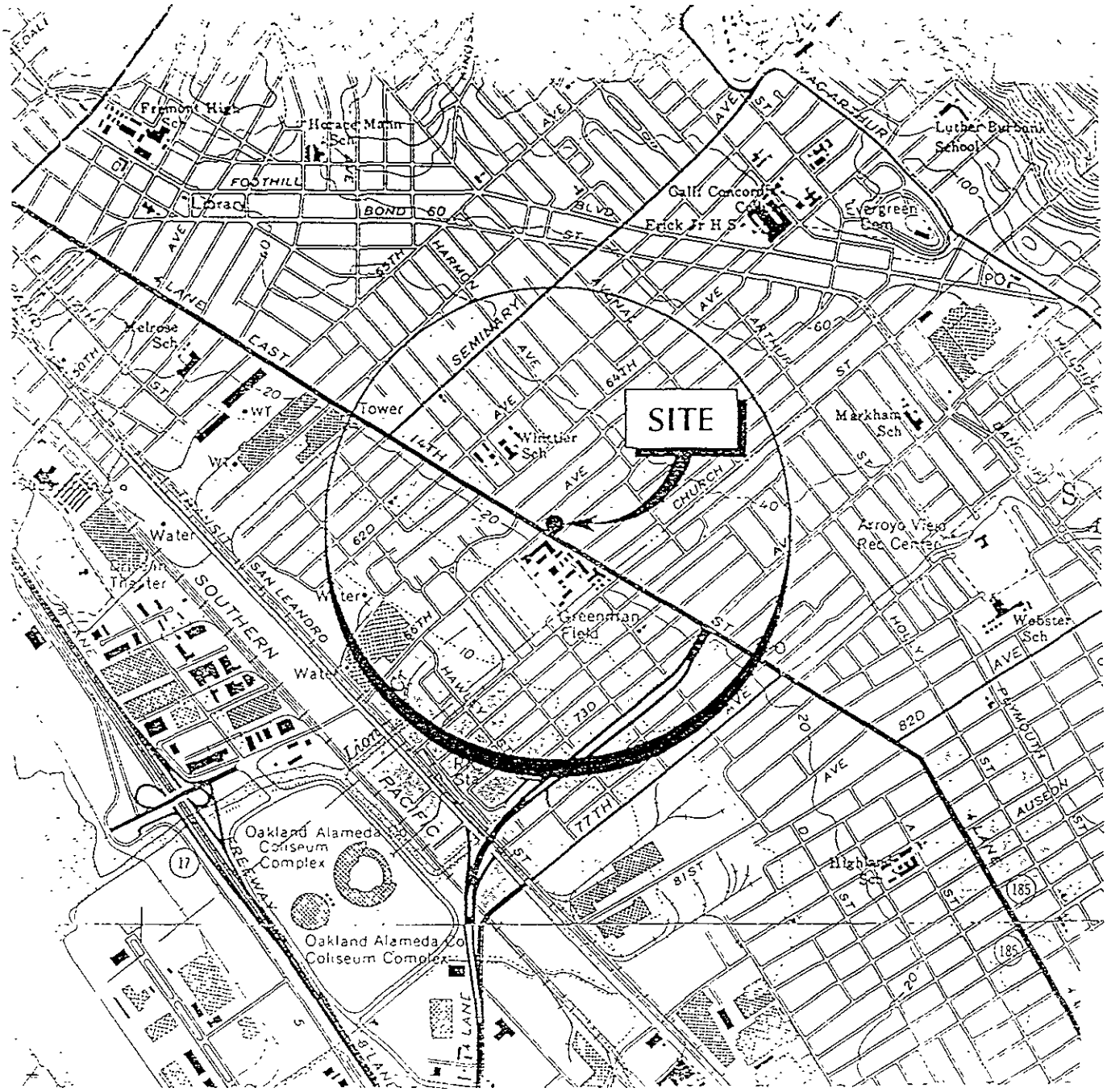
Well ID # (TOC)	Sampling Date	SUBJ	DTW feet	Elev.	TEPHd	TPPHg	MTBE	B	T	E	X	DO
		<		>	<			ug/L				<ppm>
MW8 (cont.)	8/6/97	NLPH	9.90	12.70	<50	<50	<2.5	<0.5	<0 5	<0.5	<0.5	0.77
(22.60)	9/23/97	---	---	---	---	---	---	---	---	---	---	0.75
	10/7/97	NLPH	10.23	12.37	<50	100	4.9	1 1	<0.5	<0 5	<0.5	0.82
	12/24/97	---	---	---	---	---	---	---	---	---	---	0.86
	1/16/98	NLPH	4.39	18.21	81	180	9.6	2.8	<0.5	<0.5	0.92	0.94
	2/20/98	---	---	---	---	---	---	---	---	---	---	0.61
	3/26/98	---	---	---	---	---	---	---	---	---	---	0.53
	4/17/98	NLPH	---	---	74	370	27	<0 5	0.94	<0.5	0.79	2.65
(22.58)	5/13/98	---	---	---	---	---	---	---	---	---	---	0.25
	6/22/98	---	---	---	---	---	---	---	---	---	---	1.38
	7/17/98	NLPH	8.02	14.56	<50	<50	3.3	<0 5	<0 5	<0 5	<0 5	2.09

Notes:

NLPH	=	No liquid-phase hydrocarbons present in well
TOC	=	Elevation of top of well casing; relative to mean sea level (MSL) in feet
SUBJ	=	Results of subjective evaluation
sheen	=	Liquid-phase hydrocarbons present as a sheen
NR	=	Not recorded
DTW	=	Depth to water
Elev.	=	Elevation of groundwater; relative to mean sea level
TEPHd	=	Total extractable petroleum hydrocarbons as diesel analyzed using EPA method 5030/8015 (modified)
TPPHg	=	Total purgeable petroleum hydrocarbons as gasoline analyzed using EPA method 5030/8015 (modified)
MTBE	=	Methyl tertiary butyl ether analyzed using EPA method 5030/8020
BTEX	=	Benzene, toluene, ethylbenzene, total xylene isomers analyzed using EPA method 5030/8020
( )	=	MTBE analyzed using EPA method 8260
DO	=	Dissolved oxygen
<	=	Less than the laboratory detection limit
---	=	Not sampled/Not measured
**	=	Lighter hydrocarbons contribute to diesel range quantitation
***	=	Results obtained past technical holding time (10/08/94) due to dilution requirements
C	=	High boiling point hydrocarbons are present in sample.
D	=	Sample pattern does not match diesel standard pattern
H	=	EPA Method 8010 compounds not detected at or above their respective laboratory detection limits Exceptions: MW2, 03/15/91, Methylene chloride detected at 1 ppb MW3, 03/15/91, Methylene chloride detected at 21 ppb
M*	=	A compound suspected to be methyl tertiary butyl ether was present
T	=	Total Oil and Grease (TOG) using Standard Method 5520 not detected at or above the laboratory detection limit of 5,000 ppb.
<*	=	Less than stated laboratory detection limits except 490 ppm bicarbonate, 37 ppm calcium, 31 ppm chloride, 390 ppm hardness, 790 ppb iron, 60 ppm magnesium, 4,700 ppb manganese, 1.1 ppm sodium, 61 ppm sulfate, 540 ppm TDS, 730 umhos/cm conductivity, pH = 6 9

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0236
6600 East 14th Street
Oakland, California

Notes (cont.)		
< **	=	Less than stated laboratory detection limits except 200 ppm bicarbonate, 23 ppm calcium, 21 ppm chloride, 78 ppb copper, 190 ppm hardness, 49,000 ppb iron, 44 ppm magnesium, 4,200 ppb manganese, 3 9 ppm potassium, 52 ppm sodium, 60 ppm sulfate, 390 ppm TDS
ug/L	=	Micrograms per liter
ppm	=	Parts per million



20090001

N

APPROXIMATE SCALE

0 1/2 1

MILE

Source U.S.G.S. 7.5 minute topographic quadrangle map Oakland East and San Leandro Calif. 1980

ENVIRONMENTAL RESOLUTIONS, INC.

PROJECT ERI 2009

SITE VICINITY MAP

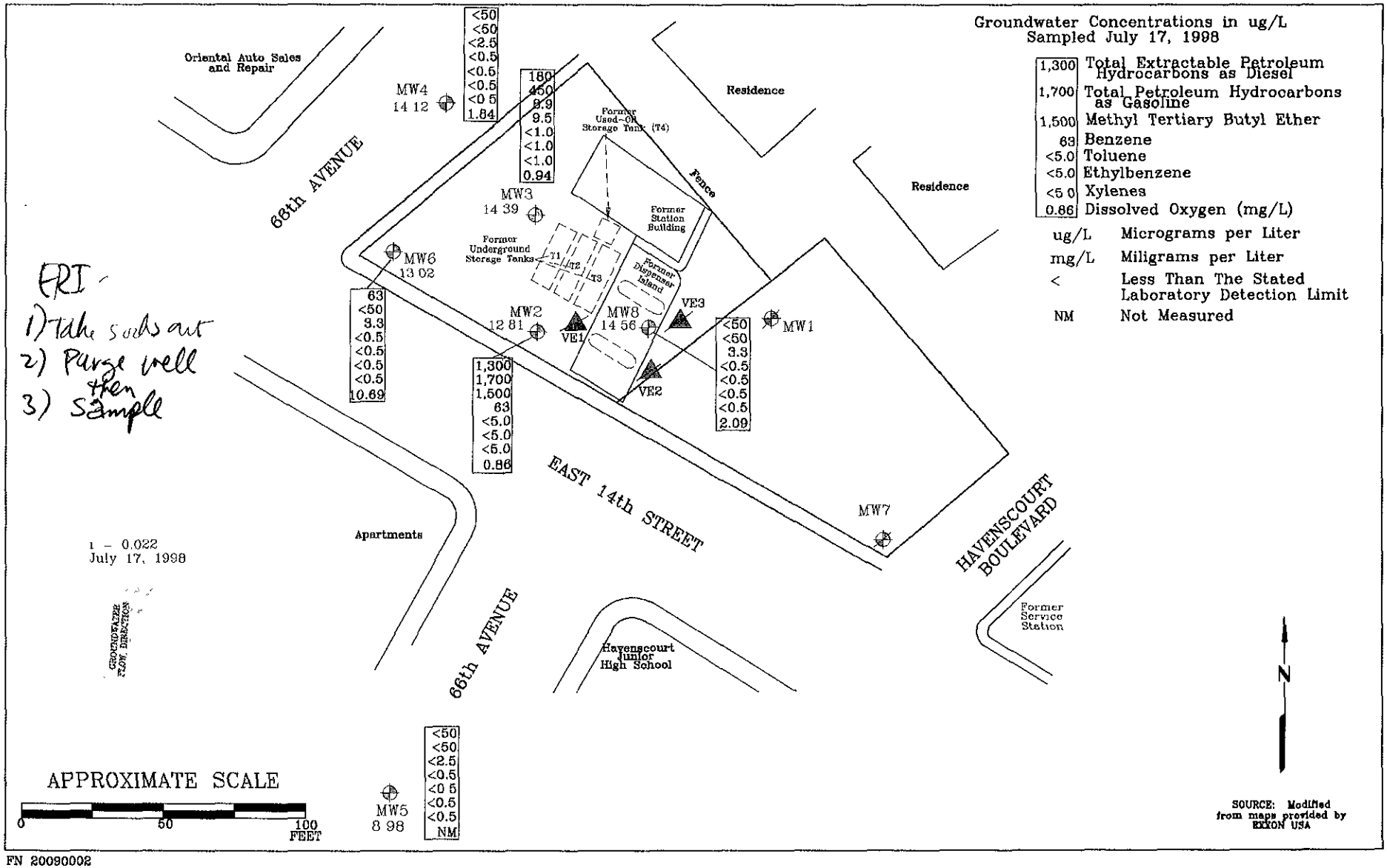
FORMER EXXON SERVICE STATION 7-0236

6600 East 14th Street

Oakland, California

PLATE

1



FN 20090002

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER
EXXON SERVICE STATION 7-0236
6600 East 14th Street
Oakland, California

EXPLANATION

- MW8 ⊕ Groundwater Monitoring Well
- 14 56 Groundwater elevation in feet above mean sea level
- MW7 ⊕ Groundwater Monitoring Well (Destroyed)
- VE3 ▲ Vapor Extraction Well (Destroyed)
- 1 = Interpreted Groundwater Gradient

PROJECT NO. 2009

PLATE 2

August 10, 1998

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-8-MW4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9807A06-01

Sampled: 07/17/98
Received: 07/20/98
Extracted: 07/22/98
Analyzed: 07/25/98
Reported: 08/05/98

QC Batch Number: GC0722980HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern.	50	N.D.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	90

nalytes reported as N D were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

RECEIVED
AUG 7 1998

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd North, Ste D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-8-MW4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9807A06-01

Sampled: 07/17/98
Received: 07/20/98

Analyzed: 07/30/98
Reported: 08/05/98

QC Batch Number: GC073098BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0 50	N D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	78

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-0236, 200913X	Sampled: 07/17/98
74 Digital Drive , Suite 6	Sample Descript: W-10-MW5	Received: 07/20/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 07/22/98
	Analysis Method: EPA 8015 Mod	Analyzed: 07/25/98
Attention: Mark Dockum	Lab Number: 9807A06-02	Reported: 08/05/98

QC Batch Number: GC0722980HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd North, Ste D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-10-MW5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9807A06-02

Sampled: 07/17/98
Received: 07/20/98

Analyzed: 07/30/98
Reported: 08/05/98

QC Batch Number: GC073098BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-0236, 200913X	Sampled: 07/17/98
74 Digital Drive , Suite 6	Sample Descript: W-10-MW6	Received: 07/20/98
Novato, CA 94949	Matrix: LIQUID	Extracted: 07/22/98
	Analysis Method: EPA 8015 Mod	Analyzed: 07/25/98
Attention: Mark Dockum	Lab Number: 9807A06-03	Reported: 08/05/98

QC Batch Number: GC0722980HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	63
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-10-MW6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9807A06-03

Sampled: 07/17/98
Received: 07/20/98

Analyzed: 07/31/98
Reported: 08/05/98

QC Batch Number: GC073198BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**2.5**	**3.3**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern.		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-8-MW8
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9807A06-04

Sampled: 07/17/98
Received: 07/20/98
Extracted: 07/22/98
Analyzed: 07/25/98
Reported: 08/05/98

QC Batch Number: GC0722980HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50	N.D.

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Environmental Resolutions	Client Proj. ID: Exxon 7-0236, 200913X	Sampled: 07/17/98
74 Digital Drive , Suite 6	Sample Descript: W-8-MW8	Received: 07/20/98
Novato, CA 94949	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 07/31/98
Attention: Mark Dockum	Lab Number: 9807A06-04	Reported: 08/05/98

QC Batch Number: GC073198BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**2.5**	**3.3**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

Analytes reported as N.D were not present above the stated limit of detection

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-13-MW3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9807A06-05

Sampled: 07/17/98
Received: 07/20/98

Analyzed: 07/31/98
Reported: 08/05/98

QC Batch Number: GC073198BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	450
Methyl t-Butyl Ether	5.0	8.9
Benzene	1.0	9.5
Toluene	1.0	N.D.
Ethyl Benzene	1.0	N.D.
Xylenes (Total)	1.0	N.D.
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	113

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-13-MW3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9807A06-05

Sampled: 07/17/98
Received: 07/20/98
Extracted: 07/22/98
Analyzed: 07/25/98
Reported: 08/05/98

QC Batch Number: GC0722980HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	180
Chromatogram Pattern: Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-13-MW3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9807A06-05

Sampled: 07/17/98
Received: 07/20/98

Analyzed: 07/31/98
Reported: 08/05/98

QC Batch Number: GC073198BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**100**	**450**
Methyl t-Butyl Ether	**5.0**	**8.9**
Benzene	**1.0**	**9.5**
Toluene	1.0	N.D.
Ethyl Benzene	1.0	N.D.
Xylenes (Total)	1.0	N.D.
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	113

Analytes reported as N.D were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-16-MW2
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9807A06-06

Sampled: 07/17/98
Received: 07/20/98
Extracted: 07/22/98
Analyzed: 07/25/98
Reported: 08/05/98

QC Batch Number: GC0722980HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1300
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	115

Analytes reported as N D were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive , Suite 6
Novato, CA 94949

Attention: Mark Dockum

Client Proj. ID: Exxon 7-0236, 200913X
Sample Descript: W-16-MW2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9807A06-06

Sampled: 07/17/98
Received: 07/20/98

Analyzed: 07/31/98
Reported: 08/05/98

QC Batch Number: GC073198BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**1700**
Methyl t-Butyl Ether	**25**	**1500**
Benzene	**5.0**	**63**
Toluene	5.0	N.D.
Ethyl Benzene	5.0	N.D.
Xylenes (Total)	5.0	N.D.
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	100

nalytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL - ELAP #1210

Richard Herling
Project Manager

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Mark Dockum

Client Project ID: Exxon 7-0236, 200913X

QC Sample Group: 9807A06-01,02

Reported: Aug 5, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	N. Herrera			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC073098BTEX21A			
Sample No.:	9807G21-03			
Date Prepared:	7/30/98	7/30/98	7/30/98	7/30/98
Date Analyzed:	7/30/98	7/30/98	7/30/98	7/30/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Sample Conc., ug/L:	N.D.	N.D.	N.D	N D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	12	11	11	32
% Recovery:	120	110	110	107
Matrix Spike Duplicate, ug/L:	9.1	8.8	8.7	26
% Recovery:	91	88	87	87
Relative % Difference:	27	22	23	21
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWBLKL073098AS			
Date Prepared:	7/30/98	7/30/98	7/30/98	7/30/98
Date Analyzed:	7/30/98	7/30/98	7/30/98	7/30/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	10	9.9	9.9	29
LCS % Recovery:	100	99	99	97

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Richard Herling
Project Manager

Please Note

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Mark Dockum

Client Project ID: Exxon 7-0236, 200913X

QC Sample Group: 9807A06-03,04

Reported: Aug 5, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: G. Peshina

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC073198BTEX18A			
Sample No.:	GW9807B88-2			
Date Prepared:	7/31/98	7/31/98	7/31/98	7/31/98
Date Analyzed:	7/31/98	7/31/98	7/31/98	7/31/98
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Sample Conc., ug/L:	N.D.	N.D	N D.	N.D
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	11	11	11	32
% Recovery:	110	110	110	107
Matrix Spike Duplicate, ug/L:	10	11	10	31
% Recovery:	100	110	100	103
Relative % Difference:	9.5	0.0	9.5	3 8
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWBLK073198A			
Date Prepared:	7/31/98	7/31/98	7/31/98	7/31/98
Date Analyzed:	7/31/98	7/31/98	7/31/98	7/31/98
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	11	10	11	32
LCS % Recovery:	110	100	110	107

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Richard Herling
Project Manager

Please Note:

The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Mark Dockum

Client Project ID: Exxon 7-0236, 200913X

QC Sample Group: 9807A06-05,06

Reported: Aug 5, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	N. Herrera
ANALYTE	Gasoline

QC Batch #: GC073198BTEX17A

Sample No.:	GW9807A06-1MS
Date Prepared:	7/31/98
Date Analyzed:	7/31/98
Instrument I.D.#:	GCHP17
Sample Conc., ug/L:	N D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	240
% Recovery:	97
Matrix Spike Duplicate, ug/L:	240
% Recovery:	95
Relative % Difference:	2.1
RPD Control Limits:	0-25

LCS Batch#: GW8LK073198AS

Date Prepared:	7/31/98
Date Analyzed:	7/31/98
Instrument I.D.#:	GCHP17
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	240
LCS % Recovery:	94

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Richard Herling
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Environmental Resolutions
74 Digital Drive, Suite 6
Novato, CA 94949
Attention: Mark Dockum

Client Project ID: Exxon 7-0236, 200913X

QC Sample Group: 9807A06-01-06

Reported: Aug 5, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. Porter
ANALYTE	Diesel

QC Batch #: GC0722980HBPEXZ

Sample No.:	9807A01-2
Date Prepared:	7/22/98
Date Analyzed:	7/24/98
Instrument I.D.#:	GCHP5A
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	750
% Recovery:	75
Matrix Spike Duplicate, ug/L:	760
% Recovery:	76
Relative % Difference:	1.3
RPD Control Limits:	0-50

LCS Batch#: BLK072298ZS

Date Prepared:	7/22/98
Date Analyzed:	7/24/98
Instrument I.D.#:	GCHP5A
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	640
LCS % Recovery:	64

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Richard Herling
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Page 1 of 1

Consultant's Name: Environmental Resolutions Inc		
Address: 74 Digital Dr Suite G Novato Ca 94949		Site Location: 6600 East 14th St
Project #:	Consultant Project #: 200913x	Consultant Work Release #: 19432502
Project Contact: Mark Dochum	Phone #: 415 382 9105	Laboratory Work Release #:
EXXON Contact: Marla Guensler	Phone #: 510 246 8776	EXXON RAS #: 7-0236
Sampled by (print): Scott Graham	Sampler's Signature: Scott Graham	Oakland, Ca
Shipment Method:	Air Bill #:	

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

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	ANALYSIS REQUIRED: TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M 5520	MTBE 8020		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
W-8-MW4	7/17/98	1215/1220	Water	HCl Ice	5	1	X	X		X		
W-10-MW5		1230/1235				2	X	X		X		
W-10-MW6		1245/1250				3	X	X		X		
W-8-MW8		1300/1305				4	X	X		X		
W-13-MW3		1315/1320				5	X	X		X		
W-16-MW2		1330/1335				6	X	X		X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Scott Graham	7/20/98	1:30	Stella Tan/SEQ	7/20/98	1:30	
Stella Tan/SEQ	7/20/98			7/20/98	16:02	

Pink - Client
Yellow - Sequoia
White - Sequoia

=) 20 4 02

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Client Proj. ID: Exxon 7-0236, 200913X

Lab Proj. ID: 9807A06

Received: 07/20/98

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LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 18 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Richard Herling
Project Manager