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Gene N. Ortega
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RO 390

ExxonMobil
Refining & Supply

Alameda County
JAN 09 2003
Environmental Health

December 12, 2002

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

RE: Former Exxon RAS #7-0238/2200 East 12th Street, Oakland, California.

Dear Mr. Chan:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring Report, Third Quarter 2002,*** dated December 12, 2002, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and discusses the results of quarterly 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 2002, dated December 12, 2002.

cc: w/ attachment
Mr. Chuck Headlee, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Jospeh A. Aldridge, Valero Energy Corporation

w/o attachment
Ms. Paula A. Sime, Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

December 12, 2002
ERI 229313.R18

Mr. Gene N. Ortega
ExxonMobil Oil Corporation
2300 Clayton Road, Suite 1250
Concord, California 94520

Subject: Quarterly Groundwater Monitoring Report, Fourth Quarter 2002, Former Exxon Service Station 7-0238, 2200 East 12th Street, Oakland, California.

Mr. Ortega:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) performed fourth quarter 2002 groundwater monitoring and sampling at the subject site. The purpose of quarterly monitoring and sampling is to evaluate concentrations of dissolved hydrocarbons in groundwater and the groundwater flow direction and hydraulic gradient. The location of the site is shown on the Site Vicinity Map (Plate 1). The configuration of the site and the locations of select site features are shown on the Generalized Site Plan (Plate 2).

GROUNDWATER MONITORING AND SAMPLING

On October 11, 2002, ERI measured depth to water (DTW) in select wells and collected groundwater samples from these wells for laboratory analysis. Work was performed in accordance with ERI's groundwater sampling protocol (Attachment A). The calculated hydraulic gradient and groundwater flow direction are shown on Plate 2. Historical and recent monitoring data are summarized in Table 1.

Laboratory Analyses and Results

ERI submitted groundwater samples to Test America Incorporated (Test America), a California state-certified laboratory, under Chain-of-Custody protocol. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tertiary butyl ether (MTBE); and fuel oxygenates, including 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC), di-isopropyl ether (DIPE), tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), and tertiary butyl ethyl ether (ETBE), using the methods listed in the notes in Table 1. The laboratory analysis report and Chain-of-Custody record are attached (Attachment B). Cumulative analytical laboratory results of groundwater samples are summarized in Table 1. Analytical results of groundwater samples collected during the recent sampling event are shown on Plate 2.

FUTURE ACTIVITIES

Corrective and Remedial Actions

ERI conducted a dual-phase extraction (DPE) feasibility test at the subject site in March 2001. The purpose of the test was to evaluate the effectiveness of DPE as a remedial alternative. Test methods and results of the investigation are presented in ERI's *Dual-Phase Extraction Feasibility Test Report and Conceptual Corrective Action Plan* (CAP), dated September 19, 2001. ERI's CAP was approved by the Alameda County Health Care Services Agency (the County) in a letter dated June 3, 2002.

ERI has designed a DPE system to remediate hydrocarbon-impacted groundwater and soil vapors. ERI is currently in the process of obtaining the required permits for system installation and operation. System installation is planned for 2003. The DPE system will consist of a liquid-ring pump (LRP) to extract groundwater and soil vapor from four proposed DPE wells (DPE1 through DPE4). Extracted liquid and vapor streams will be separated by an air-water separator and directed to the liquid and vapor abatement systems. The vapor stream will be abated using a catalytic oxidizer and discharged into the atmosphere under permit from the Bay Area Air Quality Management District (BAAQMD). The liquid stream will be abated with granular activated carbon (GAC) and discharged to the sanitary sewer under permit from the East Bay Municipal Utility District (EBMUD).

Quarterly Monitoring and Sampling

Groundwater monitoring and sampling occurs quarterly at this site. The first quarter 2003 monitoring and sampling event is scheduled for January 2003.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

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

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

Mr. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

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.

Please call Ms. Paula Sime, ERI's senior staff geologist for this site, at (415) 382-4324, with any questions regarding this report.

Sincerely,
Environmental Resolutions, Inc.

Paula Sime
Senior Staff Geologist

John B. Bobbitt
R.G. 4313

exp 4-30-04
R.G. 4313

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 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9A	11/02/95	NLPH	7.16	4.30	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(11.46)	04/26/96	NLPH	6.33	5.13	---	---	---	---	---	---	---
	08/22/96	NLPH	7.02	4.44	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	6.14	5.32	<200	40,000	7.9	<2.0	<2.0	<2.0	---
	04/21/98	NLPH	6.29	5.17	<50	53,000	3.8	<0.5	<0.5	<0.5	---
(14.53)	07/22/98	NLPH	6.58	7.95	<250	18,000	<2.5	<2.5	<2.5	<2.5	---
	12/22/98	NLPH	6.47	8.06	<50	5,200	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	6.38	8.15	<100	10,000	<1.0	<1.0	<1.0	<1.0	---
	5/27/99 b	NLPH	6.56	7.97	<5,000	15,300	<50	<50	<50	<50	---
	08/03/99	NLPH	9.39	5.14	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	6.52	8.01	<50	1,400	<0.5	<0.5	<0.5	0.67 c	---
	02/29/00	NLPH	5.31	9.22	<50	20,000	1.2	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	6.31	8.22	<50	14,000/11,000a	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	6.54	7.99	<50	7,400	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	6.00	8.53	<50	2,300	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	6.34	8.19	<50	3,700	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	9.31	5.22	<50	11,000	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	---	---	<50	3,600	<0.5	<0.5	<0.5	<0.5	---
	8/17/01 d	---	6.61	7.92	---	---	---	---	---	---	---
	10/11/01	NLPH	7.03	7.50	<50	1,700	<0.5	<0.5	<0.5	<0.5	---
(14.51)	10/11/01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.93	8.58	2,090 f	31,000 f	18.6 f	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	6.41	8.10	34,300	32,200	<5.00	<5.00	<5.00	<5.00	---
	07/12/02	NLPH	6.64	7.87	6,760	8,070	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	**NLPH**	**6.76**	**7.75**	**2,420**	**2,860/3,040 a**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**ND**
MW9B	11/02/95	NLPH	6.14	3.66	130	<10	3.3	<0.5	<0.5	<0.5	---
(9.80)	04/26/96	NLPH	5.66	4.14	270	70	130	2.8	6.7	<3	---
	08/22/96	NLPH	6.16	3.64	210	31	5.7	6.8	1.1	9.2	---
	02/24/97	NLPH	5.58	4.22	1,400	1,300	76	1.4	4.1	1.2	---
	03/16/98	NLPH	5.32	4.48	860	1,500	140	2.0	11	<2.0	---
	04/21/98	NLPH	5.49	4.31	1,800	18,000	300	<5.0	7.9	<5.0	---
(12.83)	07/22/98	NLPH	5.79	7.04	<500	26,000	13	<5.0	<5.0	<5.0	---
	12/22/98	NLPH	5.69	7.14	700	21,000	110	3.1	9.1	14	---
	02/26/99	NLPH	5.10	7.73	8,800	8,000	2,000	<25	52	38	---
	05/18/99	NLPH	5.65	7.18	<10,000	42,100	158	<100	<100	<100	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<		µg/L				>
MW9B (cont.)	08/03/99	NLPH	6.24	6.59	960	24,900	<5.0	<5.0	<5.0	<5.0	---
(12.83)	12/03/99	NLPH	5.66	7.17	<50	1,000	<0.5	<0.5	<0.5	<0.5	---
	02/29/00	NLPH	4.61	8.22	3,100	25,000	900	7	23	7.1	---
	05/18/00	NLPH	5.54	7.29	780	34,000/26,000a	150	<2.5	4.5	<2.5	---
	07/24/00	NLPH	8.75	4.08	<250	39,000	8	<2.5	<2.5	<2.5	---
	10/09/00	NLPH	4.84	7.99	<1,200	30,000	1.7	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	5.56	7.27	<250	32,000	5.3	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	5.40	7.43	360	27,000	69.0	<2.5	22.0	29.8	---
	07/12/01	NLPH	---	---	<250	41,000	<2.5	<2.5	<2.5	<2.5	---
	8/17/01 d	---	5.83	7.00	—	—	—	—	—	—	---
	10/11/01	NLPH	8.70	4.13	<250	24,000	<2.5	<2.5	<2.5	<2.5	---
(12.84)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.16	7.68	9,170 f	14,600 f	66.0 f	<10.0	54.0	<10.0	---
	04/12/02	NLPH	5.57	7.27	29,600	28,600	12.0	<5.00	<5.00	<5.00	---
	07/12/02	NLPH	5.81	7.03	20,200	27,700	<10.0	14.0	<10.0	16.0	---
	10/11/02 g	**NLPH**	**5.91**	**6.93**	**18,900**	**24,300/28,200 a**	**2.3**	**<0.5**	**<0.5**	**<0.5**	**ND**
MW9C	11/02/95	---	---	---	---	---	---	---	---	---	---
(11.14)	04/26/96	---	---	---	---	---	---	---	---	---	---
	08/22/96	---	---	---	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	5.51	5.63	<500	150,000	24	<5.0	<5.0	<5.0	---
	04/21/98	NLPH	5.83	5.31	150	130,000/150,000a	<0.5	<0.5	<0.5	<0.5	---
(14.19)	07/22/98	NLPH	6.43	7.76	<500	95,000	<5.0	<5.0	<5.0	<5.0	---
	12/22/98	NLPH	6.16	8.03	<500	84,000	<5.0	<5.0	<5.0	<5.0	---
	02/26/99	NLPH	5.46	8.73	<250	55,000	<2.5	<2.5	<2.5	<2.5	---
	05/18/99	NLPH	6.27	7.92	<25,000	68,900	<250	<250	<250	<250	---
	08/03/99	NLPH	7.13	7.06	210	69,200	<1.0	1.3	<1.0	<1.0	---
	12/03/99	NLPH	6.17	8.02	290	50,000	<2.5	<2.5	<2.5	<2.5	---
	02/29/00	NLPH	4.49	9.70	<250	40,000	<2.5	<2.5	<2.5	<2.5	---
	05/18/00	NLPH	5.96	8.23	<250	46,000/33,000	<2.5	<2.5	<2.5	<2.5	---
	07/24/00	NLPH	6.47	7.72	<250	44,000	<2.5	<2.5	<2.5	<2.5	---
	10/09/00	NLPH	6.57	7.62	<250	39,000	<2.5	<2.5	<2.5	<2.5	---
	01/10/01	NLPH	6.09	8.10	<250	42,000	<2.5	<2.5	<2.5	<2.5	---
	04/10/01	NLPH	7.88	6.31	<250	35,000	<2.5	<2.5	<2.5	<2.5	---
	07/12/01	NLPH	---	---	<250	32,000	<2.5	<2.5	<2.5	<2.5	---
	8/17/01 d	---	6.60	7.59	---	---	---	---	---	---	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<	µg/L					>
MW9C (cont.)	10/11/01	NLPH	6.67	7.52	<250	53,000	<2.5	<2.5	<2.5	<2.5	---
(14.16)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.29	8.87	2,470 f	90,000 f	0.90 f	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	6.14	8.02	70,400	66,800	<5.00	<5.00	<5.00	<5.00	---
	07/12/02	NLPH	6.54	7.62	50,900	58,300	<500	<500	<500	<500	---
	10/11/02	**NLPH**	**6.73**	**7.43**	**52,100**	**58,800/76,000 a**	**<10.0**	**<10.0**	**<10.0**	**<10.0**	**34.3 h**
MW9D	11/02/95	---	---	---	---	---	---	---	---	---	---
(12.90)	04/26/96	---	--	--	---	---	---	---	---	---	---
	08/22/96	---	---	---	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	NLPH	6.94	5.96	<50	10	<0.5	<0.5	<0.5	<0.5	---
	04/21/98	NLPH	7.22	5.68	<50	12	<0.5	<0.5	<0.5	<0.5	---
(15.98)	07/22/98	NLPH	7.85	8.13	<50	13	<0.5	<0.5	<0.5	<0.5	---
	12/22/98	NLPH	7.58	8.40	<50	12	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	6.42	9.56	<50	310	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	6.55	9.43	<2,500	13,500	<25	<25	<25	<25	---
	08/03/99	NLPH	8.34	7.64	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	7.56	8.42	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	02/29/00	NLPH	4.82	11.16	<50	2.5	<0.5	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	7.40	8.58	<50	6.2	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	7.91	8.07	<50	14	<0.5	<0.5	0.85	0.74	---
	10/09/00	NLPH	8.02	7.96	<50	14	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	7.26	8.72	<50	18	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	7.32	8.66	<50	14	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	--	--	<50	22	<0.5	<0.5	<0.5	<0.5	---
	08/17/01 e	---	---	---	---	---	---	---	---	---	---
	10/11/01	NLPH	8.16	7.82	<50	24	<0.5	<0.5	<0.5	<0.5	---
(15.97)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	6.64	9.33	352 f	2.0 f	<0.50	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	7.58	8.39	191	192	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	8.01	7.96	108	124	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	**NLPH**	**8.13**	**7.84**	**187**	**243**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**i**
MW9F	11/02/95	---	---	---	---	---	---	---	---	---	---
(8.37)	04/26/96	NLPH	---	---	<50	57	<0.5	<0.5	<0.5	<0.5	---
	08/22/96	NLPH	---	---	<50	5.8	<0.5	<0.5	<0.5	<0.5	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>		<	µg/L				>
MW9F (cont.)	02/24/97	NLPH	---	---	<50	<30	<0.5	<0.5	<0.5	<0.5	---
(8.37)	03/16/98	NLPH	---	---	---	---	---	---	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---	---
(11.38)	07/22/98	---	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.47	5.91	<50	81	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	5.35	6.03	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	5.62	5.76	<50	61.6	<0.5	<0.5	<0.5	<0.5	---
	08/03/99	NLPH	6.32	5.06	<50	3.10	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	5.59	5.79	<50	<2	<0.5	<0.5	0.71	<0.5	---
	02/29/00	NLPH	4.70	6.68	<50	52	<0.5	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	5.37	6.01	<50	65	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	5.65	5.73	<50	170	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	5.71	5.67	<50	170	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	4.30	7.08	<50	140	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	5.20	6.18	<50	50	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	--	--	<50	190	<0.5	<0.5	<0.5	<0.5	---
	08/17/01 e	--	--	--	--	--	--	--	--	--	---
	10/11/01	NLPH	5.82	5.56	<50	260	<0.5	<0.5	<0.5	<0.5	---
(11.38)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	5.12	6.26	<100	67.0 f	<1.00	<1.00	<1.00	<1.00	---
	04/12/02	NLPH	5.50	5.88	55.9	58.6	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	5.65	5.73	102	121	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	**NLPH**	**5.67**	**5.71**	**99.9**	**128/138 a**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**ND**
MW9G	11/02/95	NLPH	5.92	4.03	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(9.95)	04/26/96	NLPH	5.28	4.67	<50	18	<0.5	<0.5	<0.5	<0.5	---
	08/22/96	NLPH	5.57	4.38	<50	18	<0.5	<0.5	<0.5	<0.5	---
	02/24/97	NLPH	5.30	4.65	<50	240	<0.5	0.57	<0.5	0.62	---
	03/16/98	---	---	---	---	---	---	---	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---	---
(12.99)	07/22/98	---	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.28	7.71	<50	1,100	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	5.31	7.68	<50	50	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	5.18	7.81	<1,000	3,990	<10	<10	<10	<10	---
	08/03/99	NLPH	6.00	6.99	<50	1,340	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	5.27	7.72	<50	<2	<0.5	<0.5	<0.5	0.55 c	---

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<			µg/L			>
MW9G (cont.)	02/29/00	NLPH	4.60	8.39	<50	7,900	<0.5	<0.5	<0.5	<0.5	---
(12.99)	05/18/00	NLPH	5.16	7.83	<50	2,400	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	5.20	7.79	<50	1,000	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	5.26	7.73	<50	180	<0.5	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	5.18	7.81	<50	1,200	<0.5	<0.5	<0.5	<0.5	---
	04/10/01	NLPH	5.08	7.91	<50	9,100	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	--	--	<50	3,000	<0.5	<0.5	<0.5	<0.5	---
	8/17/01 e	---	---	---	---	---	---	---	---	---	---
	10/11/01	NLPH	5.48	7.51	<50	1,600	<0.5	<0.5	<0.5	<0.5	---
(12.98)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	4.97	8.01	419 f	945 f	<0.50	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	5.12	7.86	10,700	11,000	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	5.31	7.67	2,310	3,140	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	**NLPH**	**5.39**	**7.59**	**1,630**	**2,040/2,090 a**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**ND**
MW9H	11/02/95	NLPH	8.40	0.18	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(8.58)	04/26/96	NLPH	8.05	0.53	---	---	---	---	---	---	---
	08/22/96	NLPH	8.17	0.41	---	---	---	---	---	---	---
	02/24/97	---	---	---	---	---	---	---	---	---	---
	03/16/98	---	---	---	---	---	---	--	---	---	---
	04/21/98	---	---	---	---	---	---	---	---	---	---
(11.61)	07/22/98	---	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	7.81	3.80	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	7.61	4.00	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	05/18/99	NLPH	8.00	3.61	<50	3.98	<0.5	<0.5	<0.5	<0.5	---
	08/03/99	NLPH	6.05	5.56	<50	<2.5	<0.5	<0.5	<0.5	<0.5	---
	12/03/99	NLPH	5.32	6.29	<50	<2	<0.5	<0.5	<0.5	0.57 c	---
	02/29/00	NLPH	7.10	4.51	<50	<2	<0.5	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	7.84	3.77	<50	9.7	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	7.94	3.67	<50	17	<0.5	<0.5	<0.5	<0.5	---
	10/09/00	NLPH	8.09	3.52	<50	13	<0.5	<0.5	<0.5	1.1	---

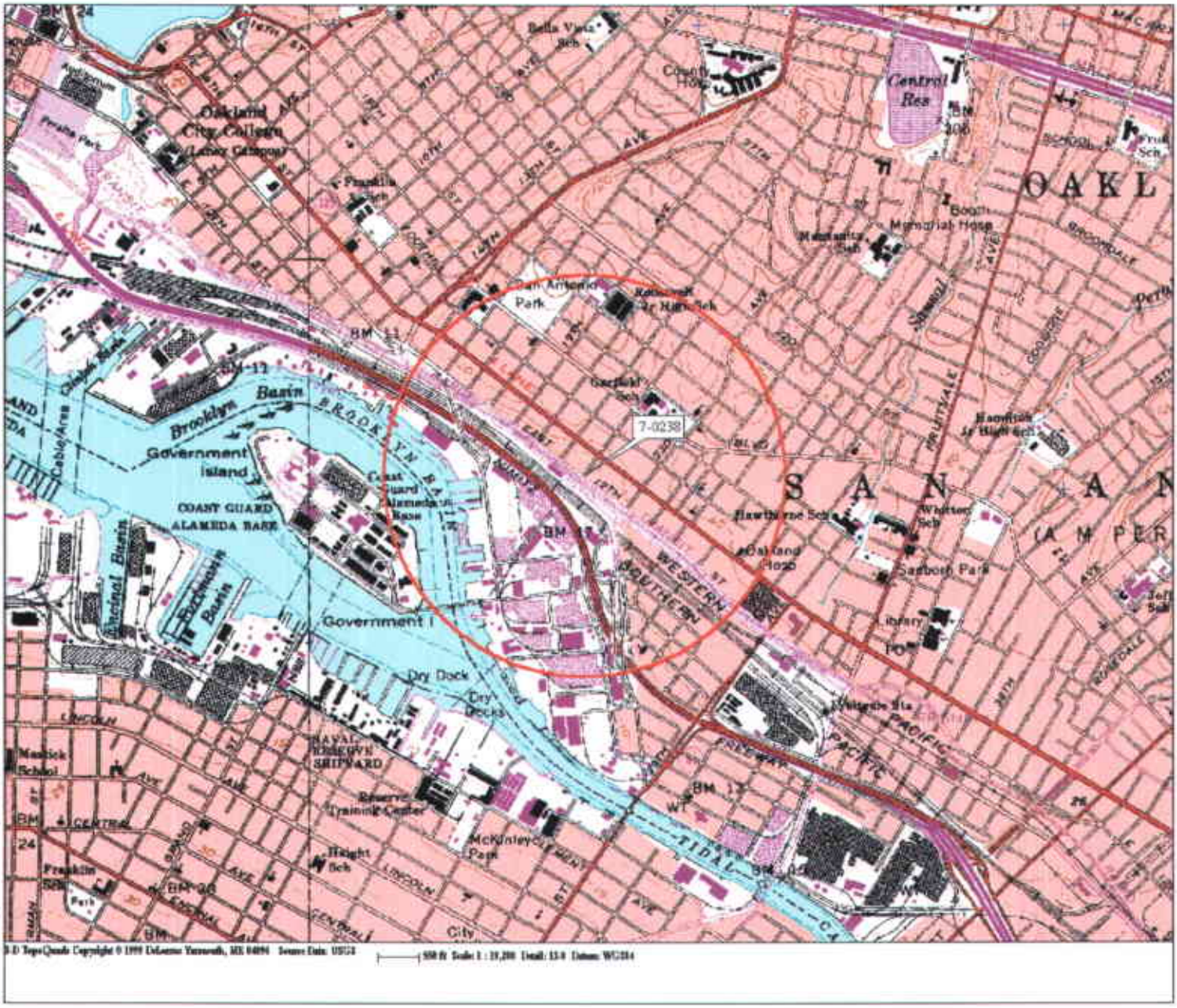
TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHg	MTBE	B	T	E	X	Oxygenates
		<	feet	>	<			µg/L			>
MW9H (cont.)	01/10/01	NLPH	7.89	3.72	<50	11	<0.5	<0.5	<0.5	0.5	---
(11.59)	04/10/01	NLPH	8.71	2.90	<50	44	<0.5	0.78	0.52	2.36	---
	07/12/01	NLPH	--	--	<50	28	<0.5	<0.5	<0.5	<0.5	---
	8/17/01 e	---	---	---	---	---	---	---	---	---	---
	10/11/01	NLPH	8.15	3.46	<50	30	<0.5	<0.5	<0.5	<0.5	---
	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	7.48	4.11	<50.0	20.5 f	<0.50	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	7.68	3.91	<50.0	32.8	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	8.06	3.53	<50.0	34.6	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	**NLPH**	**7.83**	**3.76**	**<50.0**	**33.1/28.7 a**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**ND**
MW9I	11/02/95	NLPH	6.04	4.07	<50	<10	<0.5	<0.5	<0.5	<0.5	---
(10.11)	04/26/96	NLPH	5.27	4.84	<50	99	<0.5	<0.5	<0.5	<0.5	---
	08/22/96	NLPH	5.66	4.45	<50	170	<0.5	<0.5	<0.5	<0.5	---
	02/24/97	NLPH	5.24	4.87	120	9,100	<0.5	<0.5	<0.5	<0.5	---
	03/16/98	NLPH	4.91	5.20	<200	59,000	13	<2.0	<2.0	<2.0	---
	04/21/98	NLPH	5.08	5.03	<500	59,000	<5.0	<5.0	<5.0	<5.0	---
(13.14)	07/22/98	NLPH	5.44	7.70	<500	62,000	<5.0	<5.0	<5.0	<5.0	---
	12/22/98	NLPH	5.32	7.82	200	51,000	1.7	<0.5	<0.5	<0.5	---
	02/26/99	NLPH	4.71	8.43	<500	9,700	<5.0	<5.0	<5.0	<5.0	---
	05/18/99	NLPH	5.30	7.84	<1,000	3,730	<10	<10	<10	<10	---
	08/03/99	NLPH	5.98	7.16	<50	21,900	<0.5	0.650	<0.5	<0.5	---
	12/03/99	NLPH	5.31	7.83	<250	2,000	3.9	2.9	<2.5	14	---
	02/29/00	NLPH	4.20	8.94	50	16,000	0.74	<0.5	<0.5	<0.5	---
	05/18/00	NLPH	5.12	8.02	<50	2,900	<0.5	<0.5	<0.5	<0.5	---
	07/24/00	NLPH	5.41	7.73	<250	43,000	<2.5	<2.5	<2.5	<2.5	---
	10/09/00	NLPH	5.41	7.73	<2,500	54,000	1.6	<0.5	<0.5	<0.5	---
	01/10/01	NLPH	5.24	7.90	<250	36,000	<2.5	<2.5	<2.5	<2.5	---
	04/10/01	NLPH	4.84	8.30	<50	4,800	<0.5	<0.5	<0.5	<0.5	---
	07/12/01	NLPH	---	---	<50	8,400	<0.5	<0.5	<0.5	<0.5	---
	08/17/01	---	6.49	6.65	---	---	---	---	---	---	---
	10/11/01	NLPH	5.64	7.50	<250	38,000	<2.5	<2.5	<2.5	<2.5	---
(13.13)	Nov-01	Well surveyed in compliance with AB2886 requirements.									---
	01/11/02	NLPH	4.80	8.33	1,330 f	5,400 f	4.80 f	<0.50	<0.50	<0.50	---
	04/12/02	NLPH	5.22	7.91	1,460	1,480	<0.50	<0.50	<0.50	<0.50	---
	07/12/02	NLPH	5.50	7.63	4,460	6,490	<0.5	<0.5	<0.5	<0.5	---
	10/11/02	**NLPH**	**5.35**	**7.78**	**31,300**	**37,700/51,000 a**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**24.1 h**

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0238
2200 East 12th Street
Oakland, California

Notes:

SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
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 8015B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
Oxygenates	=	1,2-dibromoethane, 1,2-dichloroethane, di-isopropyl ether, tertiary butyl alcohol, tertiary amyl methyl ether, and tertiary butyl ethyl ether analyzed using 8260B.
<	=	Less than the indicated detection limit shown by the laboratory.
ND	=	Not detected at or above the laboratory reporting limit. See laboratory analytical report for specific reporting limits.
---	=	Not measured or sampled.
µg/L	=	Micrograms per liter.
a	=	MTBE analyzed using EPA Method 8260B.
b	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.
c	=	Analyte detected in the trip blank and/or bailer blank.
d	=	Due to measurement error during initial sampling event, DTW was re-measured on August 17, 2001. No samples were taken.
e	=	Well inaccessible due to uncontrollable traffic conditions.
f	=	Samples collected after fourth quarter 2001 analyzed by Test America, Inc. Reported concentrations may be affected by differing laboratory quantitation methods.
g	=	Sample erroneously labeled MA9B on Chain-of-Custody form and laboratory report.
h	=	Tertiary amyl methyl ether.
i	=	Insufficient sample volume to perform oxygenate analyses.



FN 2293TOPO

EXPLANATION

1/2-mile radius circle

APPROXIMATE SCALE

N

0 0.5 1 mile

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

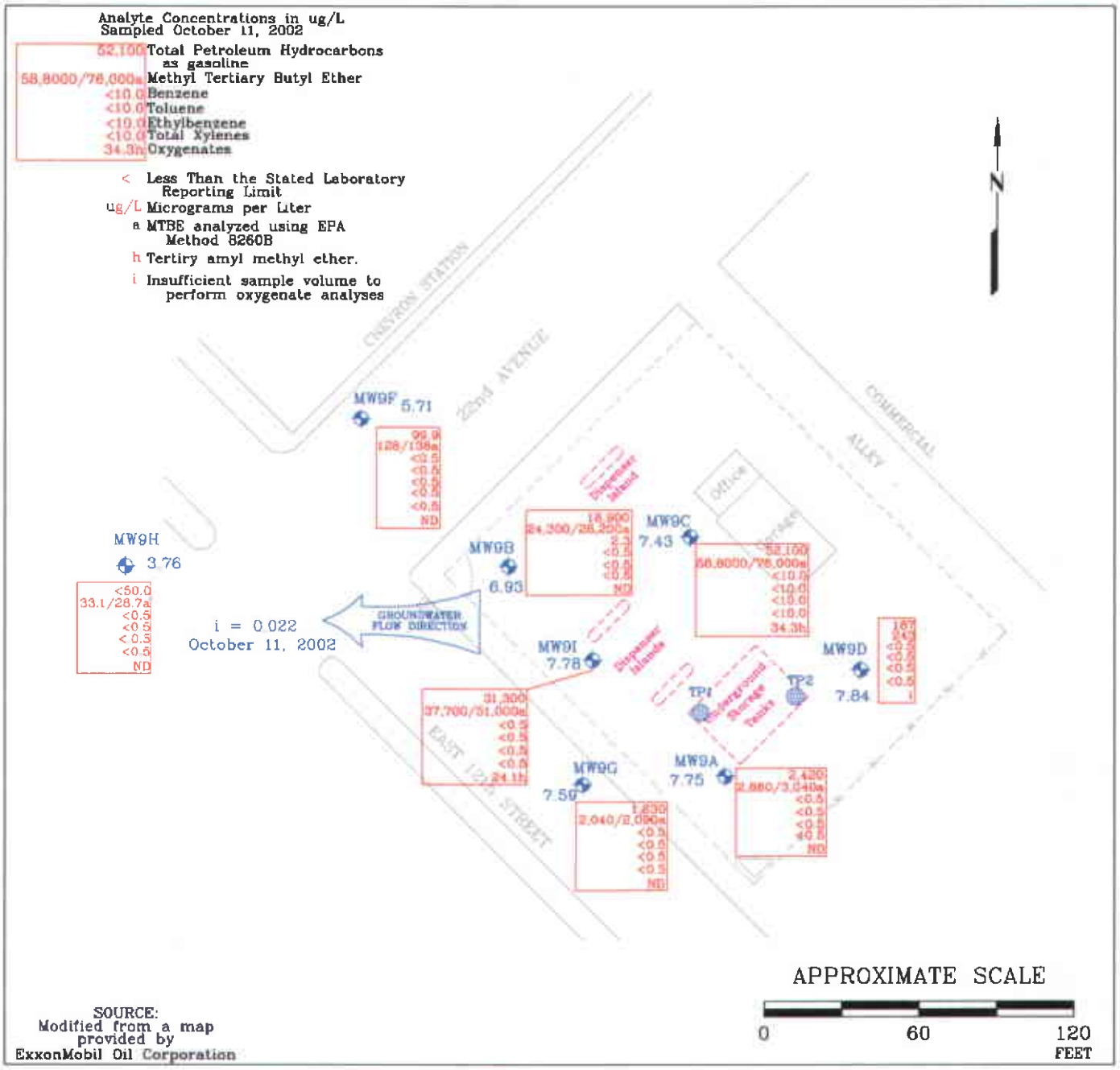
ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO. 2293

PLATE 1



FN 22930002

EXPLANATION

MW9I
Groundwater Monitoring Well

7.78 Groundwater elevation in feet; datum is mean sea level

i = Interpreted Hydraulic Gradient

TP2
UST Observation Well

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER EXXON SERVICE STATION 7-0238
2200 East 12th Street
Oakland, California

PROJECT NO. 2293

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 state-certified laboratory.

ATTACHMENT B

LABORATORY ANALYSIS REPORT AND CHAIN-OF-CUSTODY RECORD

TestAmerica
INCORPORATED

10/28/02

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 22913X EXXONMOBIL 7-0238. The Laboratory Project number is 306410.
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
MW9A	02-A174750	10/11/02
MW9B	02-A174751	10/11/02
MW9C	02-A174752	10/11/02
MW9F	02-A174753	10/11/02
MW9G	02-A174754	10/11/02
MW9H	02-A174755	10/11/02
MW9I	02-A174756	10/11/02

Report Approved By: _____ Report Date: 10/28/02

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services
Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 01168CA

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A174750
Sample ID: MW9A
Sample Type: Water
Site ID: 7-0238

Project: 22913X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 12:50
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	10/25/02	11:50	L. Lowery	8260B	6163
tert-amyl methyl ether	ND	ug/L	0.50	1.0	10/25/02	11:50	L. Lowery	8260B	6163
Tertiary butyl alcohol	ND	ug/L	10.0	1.0	10/25/02	11:50	L. Lowery	8260B	6163
1,2-Dibromoethane	ND	ug/L	0.50	1.0	10/25/02	11:50	L. Lowery	8260B	6163
1,2-Dichloroethane	ND	ug/L	0.50	1.0	10/25/02	11:50	L. Lowery	8260B	6163
Methyl-t-butyl ether	3040	ug/L	50.0	100.	10/27/02	0:57	L. Lowery	8260B	6166
Diisopropyl ether	ND	ug/L	0.50	1.0	10/25/02	11:50	L. Lowery	8260B	6163

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	127.	73. - 133.
VOA Surr Toluene-d8	94.	80. - 121.
VOA Surr, 4-BFB	97.	80. - 128.
VOA Surr, DBFM	114.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 22913X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Lab Number: 02-A174751
Sample ID: MW9B
Sample Type: Water
Site ID: 7-0238

Date Collected: 10/11/02
Time Collected: 12:45
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	10/25/02	12:21	L. Lowery	8260B	6163
tert-amyl methyl ether	ND	ug/L	0.50	1.0	10/25/02	12:21	L. Lowery	8260B	6163
Tertiary butyl alcohol	ND	ug/L	10.0	1.0	10/25/02	12:21	L. Lowery	8260B	6163
1,2-Dibromoethane	ND	ug/L	0.50	1.0	10/25/02	12:21	L. Lowery	8260B	6163
1,2-Dichloroethane	ND	ug/L	0.50	1.0	10/25/02	12:21	L. Lowery	8260B	6163
Methyl-t-butyl ether	28200	ug/L	250.	500.	10/27/02	1:28	L. Lowery	8260B	6166
Diisopropyl ether	ND	ug/L	0.50	1.0	10/25/02	12:21	L. Lowery	8260B	6163

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	133.	73. - 133.
VOA Surr Toluene-d8	97.	80. - 121.
VOA Surr, 4-BFB	101.	80. - 128.
VOA Surr, DBFM	116.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 22913X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Lab Number: 02-A174752
Sample ID: MW9C
Sample Type: Water
Site ID: 7-0238

Date Collected: 10/11/02
Time Collected: 12:55
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	10/25/02	12:52	L. Lowery	8260B	6163
tert-amyl methyl ether	34.3	ug/L	0.50	1.0	10/25/02	12:52	L. Lowery	8260B	6163
Tertiary butyl alcohol	ND	ug/L	5000	500.	10/27/02	1:59	L. Lowery	8260B	6166
1,2-Dibromoethane	ND	ug/L	0.50	1.0	10/25/02	12:52	L. Lowery	8260B	6163
1,2-Dichloroethane	ND	ug/L	0.50	1.0	10/25/02	12:52	L. Lowery	8260B	6163
Methyl-t-butyl ether	76000	ug/L	250.	500.	10/27/02	1:59	L. Lowery	8260B	6166
Diisopropyl ether	ND	ug/L	0.50	1.0	10/25/02	12:52	L. Lowery	8260B	6163

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	108.	73. - 133.
VOA Surr Toluene-d8	96.	80. - 121.
VOA Surr, 4-BFB	96.	80. - 128.
VOA Surr, DBFM	107.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A174753
Sample ID: MW9F
Sample Type: Water
Site ID: 7-0238

Project: 22913X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 11:10
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	10/25/02	13:23	L. Lowery	8260B	6163
tert-amyl methyl ether	ND	ug/L	0.50	1.0	10/25/02	13:23	L. Lowery	8260B	6163
Tertiary butyl alcohol	ND	ug/L	10.0	1.0	10/25/02	13:23	L. Lowery	8260B	6163
1,2-Dibromoethane	ND	ug/L	0.50	1.0	10/25/02	13:23	L. Lowery	8260B	6163
1,2-Dichloroethane	ND	ug/L	0.50	1.0	10/25/02	13:23	L. Lowery	8260B	6163
Methyl-t-butyl ether	138.	ug/L	0.50	1.0	10/25/02	13:23	L. Lowery	8260B	6163
Diisopropyl ether	ND	ug/L	0.50	1.0	10/25/02	13:23	L. Lowery	8260B	6163

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	73. - 133.
VOA Surr Toluene-d8	91.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.
VOA Surr, DBFM	115.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A174754
Sample ID: MW9G
Sample Type: Water
Site ID: 7-0238

Project: 22913X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 10:40
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	10/25/02	13:54	L. Lowery	8260B	6163
tert-amyl methyl ether	ND	ug/L	0.50	1.0	10/25/02	13:54	L. Lowery	8260B	6163
Tertiary butyl alcohol	ND	ug/L	10.0	1.0	10/25/02	13:54	L. Lowery	8260B	6163
1,2-Dibromoethane	ND	ug/L	0.50	1.0	10/25/02	13:54	L. Lowery	8260B	6163
1,2-Dichloroethane	ND	ug/L	0.50	1.0	10/25/02	13:54	L. Lowery	8260B	6163
Methyl-t-butyl ether	2090	ug/L	25.0	50.0	10/27/02	1:30	L. Lowery	8260B	6166
Diisopropyl ether	ND	ug/L	0.50	1.0	10/25/02	13:54	L. Lowery	8260B	6163

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	133.	73. - 133.
VOA Surr Toluene-d8	97.	80. - 121.
VOA Surr, 4-BFB	101.	80. - 128.
VOA Surr, DBFM	113.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A174755
Sample ID: MW9H
Sample Type: Water
Site ID: 7-0238

Project: 22913X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 10:20
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	10/25/02	14:24	L. Lowery	8260B	6163
tert-amyl methyl ether	ND	ug/L	0.50	1.0	10/25/02	14:24	L. Lowery	8260B	6163
Tertiary butyl alcohol	ND	ug/L	10.0	1.0	10/25/02	14:24	L. Lowery	8260B	6163
1,2-Dibromoethane	ND	ug/L	0.50	1.0	10/25/02	14:24	L. Lowery	8260B	6163
1,2-Dichloroethane	ND	ug/L	0.50	1.0	10/25/02	14:24	L. Lowery	8260B	6163
Methyl-t-butyl ether	28.7	ug/L	0.50	1.0	10/25/02	14:24	L. Lowery	8260B	6163
Diisopropyl ether	ND	ug/L	0.50	1.0	10/25/02	14:24	L. Lowery	8260B	6163

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	115.	73. - 133.
VOA Surr Toluene-d8	92.	80. - 121.
VOA Surr, 4-BFB	99.	80. - 128.
VOA Surr, DBFM	118.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 22913X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Lab Number: 02-A174756
Sample ID: MW9I
Sample Type: Water
Site ID: 7-0238

Date Collected: 10/11/02
Time Collected: 12:40
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/L	0.50	1.0	10/25/02	14:55	L. Lowery	8260B	6163
tert-amyl methyl ether	24.1	ug/L	0.50	1.0	10/25/02	14:55	L. Lowery	8260B	6163
Tertiary butyl alcohol	ND	ug/L	10.0	1.0	10/25/02	14:55	L. Lowery	8260B	6163
1,2-Dibromoethane	ND	ug/L	0.50	1.0	10/25/02	14:55	L. Lowery	8260B	6163
1,2-Dichloroethane	ND	ug/L	0.50	1.0	10/25/02	14:55	L. Lowery	8260B	6163
Methyl-t-butyl ether	51000	ug/L	250.	500.	10/27/02	2:02	L. Lowery	8260B	6166
Diisopropyl ether	ND	ug/L	0.50	1.0	10/25/02	14:55	L. Lowery	8260B	6163

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	135. #	73. - 133.
VOA Surr Toluene-d8	98.	80. - 121.
VOA Surr, 4-BFB	97.	80. - 128.
VOA Surr, DBFM	116.	81. - 121.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

PROJECT QUALITY CONTROL DATA
Project Number: 22913X
Page: 1

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0528	106	69 - 142	6163
tert-amyl methyl ether	mg/L	0.0500	0.0469	94	70 - 141	6163
Tertiary butyl alcohol	mg/l	0.500	0.452	90	35 - 157	6163
Tertiary butyl alcohol	mg/l	0.500	0.439	88	35 - 157	6166
1,2-Dibromoethane	mg/l	0.0500	0.0474	95	79 - 126	6163
1,2-Dichloroethane	mg/l	0.0500	0.0450	90	71 - 135	6163
Methyl-t-butyl ether	mg/l	0.0500	0.0393	79	66 - 137	6163
Methyl-t-butyl ether	mg/l	0.0500	0.0503	101	66 - 137	6166
Diisopropyl ether	mg/l	0.0500	0.0417	83	70 - 134	6163

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00050	mg/l	6163	10/25/02	11:20
tert-amyl methyl ether	< 0.00050	mg/L	6163	10/25/02	11:20
Tertiary butyl alcohol	< 0.0100	mg/l	6163	10/25/02	11:20
Tertiary butyl alcohol	< 0.0100	mg/l	6166	10/26/02	21:17
1,2-Dibromoethane	< 0.00050	mg/l	6163	10/25/02	11:20
1,2-Dichloroethane	< 0.00050	mg/l	6163	10/25/02	11:20
Methyl-t-butyl ether	< 0.00050	mg/l	6163	10/25/02	11:20
Methyl-t-butyl ether	< 0.00050	mg/l	6166	10/26/02	21:17
Diisopropyl ether	< 0.00050	mg/l	6163	10/25/02	11:20
VOA Surr 1,2-DCA-d4	114.	% Rec	6163	10/25/02	11:20
VOA Surr 1,2-DCA-d4	132.	% Rec	6166	10/26/02	21:17
VOA Surr Toluene-d8	93.	% Rec	6163	10/25/02	11:20
VOA Surr Toluene-d8	95.	% Rec	6166	10/26/02	21:17
VOA Surr, 4-BFB	98.	% Rec	6163	10/25/02	11:20
VOA Surr, 4-BFB	97.	% Rec	6166	10/26/02	21:17

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 22913X
Page: 2

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr, DBFM	112.	% Rec	6163	10/25/02	11:20
VOA Surr, DBFM	115.	% Rec	6166	10/26/02	21:17

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 306410

Jim Jacobs

From: Dorothy Roberts
Sent: Thursday, October 24, 2002 2:27 PM
To: Jim Jacobs
Subject: FW: Oxygenates/MTBE Analyses

Here's your client document support for the samples I brought to you earlier. John Gott is awaiting for them.

Dorothy

-----Original Message-----
From: Paula Sime [SMTP:psime@eri-us.com]
Sent: Thursday, October 24, 2002 1:33 PM
To: droberts@testamericainc.com
Subject: Oxygenates/MTBE Analyses

Hi Dorothy,

Per our telephone conversation today, 10/24/02, please analyze oxygenates (TAME, ETBE, DIPE, TBA, EDB, and EDC) and MTBE by EPA Method 8260B in the following samples. These analyses were inadvertently left off the COC.

Test America Project Number: 305050
Site Number: Former Exxon 7-0238, 2200 East 12th Street, Oakland, California.
Samples: MW9A, MW9B*, MW9C, MW9D, MW9F, MW9G, MW9H, MW9I.

*MW9B was mistakenly labeled MA9B on the COC (typo). The correct sample name is MW9B.

Hold time for these samples expires tomorrow. I really appreciate your help coordinating these analyses. Please let me know if you need anything further from me. My telephone number is (415) 382-4324.

Thanks again.
Paula Sime
ERI

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

~~305050~~ 306410

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager: Paula Sime
Telephone Number: (415) 382-9105
ERI Job Number: 229313X
Sampler Name: (Print) Cynthia Callenbach
Sampler Signature:

☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

ExxonMobil Engineer: Gene N. Ortega
Telephone Number: (925) 246-8747
Account #: 3876
PO #: 4501667113
Facility ID #: 70238
Global ID#: T0600101343
Site Address: 2200 East 12th Street
City, State Zip: Oakland, California

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report
FAX Results

Special Instructions:
Hold analyses for sample "BB".

Sample ID / Description			DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8021B	TBE 8021B	Confirm MTBE 8260B	Oxygenates 8260B*	VOCs 8260B	
	QC~~BB~~ TB	~~169351~~	10/11/02	—		X	HCl	2 VOAs	X				H	O	L	D			See attached
104950	MW9A	~~52~~		1250		X	HCl	4 VOAs	X				X	X	X				
51	MA9B	~~53~~		1245		X	HCl	4 VOAs	X				X	X	X				
52	MW9C	~~54~~		1285		X	HCl	4 VOAs	X				X	X	X				
	MW9D	~~55~~		1235		X	HCl	4 VOAs	X				X	X	X				
53	MW9F	~~56~~		1110		X	HCl	4 VOAs	X				X	X	X				
54	MW9G	~~57~~		1040		X	HCl	4 VOAs	X				X	X	X				
55	MW9H	~~58~~		1020		X	HCl	4 VOAs	X				X	X	X				
104956	MW9I	~~169359~~	↓	1240		X	HCl	4 VOAs	X				X	X	X				

Relinquished by: Cynthia Callenbach Date 10/11/02 Time
Received by:

Relinquished by: John W. Hebert Date 10/14/02 Time 0730
Received by TestAmerica: Time 10/15/02 0900

Laboratory Comments:
Temperature Upon Receipt: 2.0
Sample Containers Intact? Y
VOAs Free of Headspace? Y

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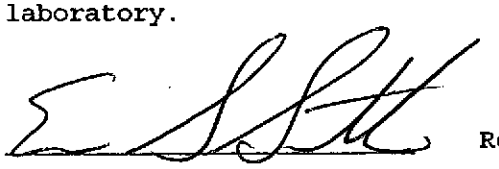
10/22/02

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project 229313X EXXONMOBIL 7-0238. The Laboratory Project number is 305050.
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report.

Sample Identification	Lab Number	Collection Date
TB	02-A169351	10/11/02
MW9A	02-A169352	10/11/02
MA9B	02-A169353	10/11/02
MW9C	02-A169354	10/11/02
MW9D	02-A169355	10/11/02
MW9F	02-A169356	10/11/02
MW9G	02-A169357	10/11/02
MW9H	02-A169358	10/11/02
MW9I	02-A169359	10/11/02

Report Approved By:  Report Date: 10/22/02

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A169351
Sample ID: TB
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected:
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A169352
Sample ID: MW9A
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 12:50
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.5	1.0	10/20/02	21:31	D.Yeager	8021B	1219
Ethylbenzene	ND	ug/L	0.5	1.0	10/20/02	21:31	D.Yeager	8021B	1219
Toluene	ND	ug/L	0.5	1.0	10/20/02	21:31	D.Yeager	8021B	1219
Xylenes (Total)	ND	ug/L	0.5	1.0	10/20/02	21:31	D.Yeager	8021B	1219
Methyl-t-butylether	2860	ug/L	50.0	100.	10/21/02	13:39	D.Yeager	8021B	1380
TPH (Gasoline Range)	2420	ug/L	50.0	1.0	10/20/02	21:31	D.Yeager	8015B	1219

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A169353
Sample ID: MA9B
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 12:45
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	2.3	ug/L	0.5	1.0	10/20/02	22:03	D.Yeager	8021B	1219
Ethylbenzene	ND	ug/L	0.5	1.0	10/20/02	22:03	D.Yeager	8021B	1219
Toluene	ND	ug/L	0.5	1.0	10/20/02	22:03	D.Yeager	8021B	1219
Xylenes (Total)	ND	ug/L	0.5	1.0	10/20/02	22:03	D.Yeager	8021B	1219
Methyl-t-butylether	24300	ug/L	100.	200.	10/23/02	12:47	D.Yeager	8021B	1400
TPH (Gasoline Range)	18900	ug/L	5000	100.	10/21/02	14:11	D.Yeager	8015B	1380

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	105.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A169354
Sample ID: MW9C
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 12:55
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	10.0	20.0	10/21/02	2:43	D.Yeager	8021B	1380
Ethylbenzene	ND	ug/L	10.0	20.0	10/21/02	2:43	D.Yeager	8021B	1380
Toluene	ND	ug/L	10.0	20.0	10/21/02	2:43	D.Yeager	8021B	1380
Xylenes (Total)	ND	ug/L	10.0	20.0	10/21/02	2:43	D.Yeager	8021B	1380
Methyl-t-butylether	58800	ug/L	500.	1000	10/21/02	6:26	D.Yeager	8021B	1400
TPH (Gasoline Range)	52100	ug/L	1000	20.0	10/21/02	2:43	D.Yeager	8015B	1380

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Lab Number: 02-A169355
Sample ID: MW9D
Sample Type: Water
Site ID: 7-0238

Date Collected: 10/11/02
Time Collected: 12:35
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.5	1.0	10/20/02	23:07	D.Yeager	8021B	1219
Ethylbenzene	ND	ug/L	0.5	1.0	10/20/02	23:07	D.Yeager	8021B	1219
Toluene	ND	ug/L	0.5	1.0	10/20/02	23:07	D.Yeager	8021B	1219
Xylenes (Total)	ND	ug/L	0.5	1.0	10/20/02	23:07	D.Yeager	8021B	1219
Methyl-t-butylether	243.	ug/L	5.0	10.0	10/21/02	16:18	D.Yeager	8021B	1380
TPH (Gasoline Range)	187.	ug/L	50.0	1.0	10/20/02	23:07	D.Yeager	8015B	1219

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A169356
Sample ID: MW9F
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 11:10
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.5	1.0	10/21/02	0:43	D.Yeager	8021B	1219
Ethylbenzene	ND	ug/L	0.5	1.0	10/21/02	0:43	D.Yeager	8021B	1219
Toluene	ND	ug/L	0.5	1.0	10/21/02	0:43	D.Yeager	8021B	1219
Xylenes (Total)	ND	ug/L	0.5	1.0	10/21/02	0:43	D.Yeager	8021B	1219
Methyl-t-butylether	128.	ug/L	0.5	1.0	10/21/02	0:43	D.Yeager	8021B	1219
TPH (Gasoline Range)	99.9	ug/L	50.0	1.0	10/21/02	0:43	D.Yeager	8015B	1219

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	104.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A169357
Sample ID: MW9G
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 10:40
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.5	1.0	10/21/02	1:14	D.Yeager	8021B	1219
Ethylbenzene	ND	ug/L	0.5	1.0	10/21/02	1:14	D.Yeager	8021B	1219
Toluene	ND	ug/L	0.5	1.0	10/21/02	1:14	D.Yeager	8021B	1219
Xylenes (Total)	ND	ug/L	0.5	1.0	10/21/02	1:14	D.Yeager	8021B	1219
Methyl-t-butylether	2040	ug/L	50.0	100.	10/21/02	16:50	D.Yeager	8021B	1380
TPH (Gasoline Range)	1630	ug/L	50.0	1.0	10/21/02	1:14	D.Yeager	8015B	1219

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Lab Number: 02-A169358
Sample ID: MW9H
Sample Type: Water
Site ID: 7-0238

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Date Collected: 10/11/02
Time Collected: 10:20
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	0.5	1.0	10/21/02	1:46	D.Yeager	8021B	1219
Ethylbenzene	ND	ug/L	0.5	1.0	10/21/02	1:46	D.Yeager	8021B	1219
Toluene	ND	ug/L	0.5	1.0	10/21/02	1:46	D.Yeager	8021B	1219
Xylenes (Total)	ND	ug/L	0.5	1.0	10/21/02	1:46	D.Yeager	8021B	1219
Methyl-t-butylether	33.1	ug/L	0.5	1.0	10/21/02	1:46	D.Yeager	8021B	1219
TPH (Gasoline Range)	ND	ug/L	50.0	1.0	10/21/02	1:46	D.Yeager	8015B	1219

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	106.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

ERI - NORTHERN CA 3876
PAULA SIME
73 DIGITAL DRIVE, SUITE 100
NOVATO, CA 94949

Project: 229313X
Project Name: EXXONMOBIL 7-0238
Sampler: CYNTHIA KALLENBACH

Lab Number: 02-A169359
Sample ID: MW9I
Sample Type: Water
Site ID: 7-0238

Date Collected: 10/11/02
Time Collected: 12:40
Date Received: 10/15/02
Time Received: 9:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
Benzene	ND	ug/L	5.0	10.0	10/21/02	17:22	D.Yeager	8021B	1380
Ethylbenzene	ND	ug/L	5.0	10.0	10/21/02	17:22	D.Yeager	8021B	1380
Toluene	ND	ug/L	5.0	10.0	10/21/02	17:22	D.Yeager	8021B	1380
Xylenes (Total)	ND	ug/L	5.0	10.0	10/21/02	17:22	D.Yeager	8021B	1380
Methyl-t-butylether	37700	ug/L	500.	1000	10/22/02	10:18	D.Yeager	8021B	1568
TPH (Gasoline Range)	31300	ug/L	500.	10.0	10/21/02	17:22	D.Yeager	8015B	1380

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	108.	69. - 132.

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Page: 1

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/l	< 0.0005	0.0510	0.0500	102	74. - 129.	1219	02-A169355
Benzene	mg/l	< 0.0005	0.0496	0.0500	99	74. - 129.	1380	blank
Toluene	mg/l	< 0.0005	0.0496	0.0500	99	74. - 128.	1219	02-A169355
Toluene	mg/l	< 0.0005	0.0493	0.0500	99	74. - 128.	1380	blank
Ethylbenzene	mg/l	< 0.0005	0.0490	0.0500	98	75. - 128.	1219	02-A169355
Ethylbenzene	mg/l	< 0.0005	0.0490	0.0500	98	75. - 128.	1380	blank
Xylenes (Total)	mg/l	< 0.0005	0.0962	0.100	96	72. - 126.	1219	02-A169355
Xylenes (Total)	mg/l	< 0.0005	0.0970	0.100	97	72. - 126.	1380	blank
Methyl-t-butylether	mg/l	< 0.0005	0.0458	0.0500	92	64. - 133.	1380	blank
Methyl-t-butylether	mg/l	< 0.0005	0.0458	0.0500	92	64. - 133.	1400	blank
Methyl-t-butylether	mg/l	< 0.0005	0.0440	0.0500	88	64. - 133.	1568	blank
TPH (Gasoline Range)	mg/l	< 0.0500	0.917	1.00	92	59. - 128.	1219	blank
TPH (Gasoline Range)	mg/l	< 0.0500	1.01	1.00	101	59. - 128.	1380	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				97	69. - 132.	1219	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				100	69. - 132.	1380	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				100	69. - 132.	1400	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				100	69. - 132.	1568	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.0510	0.0539	5.53	15.	1219
Benzene	mg/l	0.0496	0.0471	5.17	15.	1380
Toluene	mg/l	0.0496	0.0530	6.63	15.	1219
Toluene	mg/l	0.0493	0.0474	3.93	15.	1380
Ethylbenzene	mg/l	0.0490	0.0526	7.09	15.	1219
Ethylbenzene	mg/l	0.0490	0.0472	3.74	15.	1380
Xylenes (Total)	mg/l	0.0962	0.104	7.79	19.	1219

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Page: 2

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Xylenes (Total)	mg/l	0.0970	0.0937	3.46	19.	1380
Methyl-t-butylether	mg/l	0.0458	0.0444	3.10	23.	1380
Methyl-t-butylether	mg/l	0.0458	0.0444	3.10	23.	1400
Methyl-t-butylether	mg/l	0.0440	0.0441	0.23	23.	1568
TPH (Gasoline Range)	mg/l	0.917	0.876	4.57	22.	1219
TPH (Gasoline Range)	mg/l	1.01	0.882	13.53	22.	1380
BTEX/GRO Surr., a,a,a-TFT	% Recovery		97.			1219
BTEX/GRO Surr., a,a,a-TFT	% Recovery		100.			1380
BTEX/GRO Surr., a,a,a-TFT	% Recovery		100.			1400
BTEX/GRO Surr., a,a,a-TFT	% Recovery		100.			1568

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/l	0.100	0.0950	95	74 - 124	1219
Benzene	mg/l	0.100	0.0970	97	74 - 124	1380
Toluene	mg/l	0.100	0.0919	92	74 - 121	1219
Toluene	mg/l	0.100	0.0947	95	74 - 121	1380
Ethylbenzene	mg/l	0.100	0.0908	91	75 - 123	1219
Ethylbenzene	mg/l	0.100	0.0940	94	75 - 123	1380
Xylenes (Total)	mg/l	0.200	0.179	90	72 - 120	1219
Xylenes (Total)	mg/l	0.200	0.186	93	72 - 120	1380
Methyl-t-butylether	mg/l	0.100	0.0862	86	64 - 128	1219
Methyl-t-butylether	mg/l	0.100	0.0893	89	64 - 128	1380
Methyl-t-butylether	mg/l	0.100	0.0893	89	64 - 128	1400
Methyl-t-butylether	mg/l	0.100	0.0783	78	64 - 128	1568
TPH (Gasoline Range)	mg/l	1.00	0.917	92	61 - 139	1219
TPH (Gasoline Range)	mg/l	1.00	1.01	101	61 - 139	1380

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Page: 3

BTEX/GRO Surr., a,a,a-TFT	% Recovery	95	69 - 132	1219
BTEX/GRO Surr., a,a,a-TFT	% Recovery	95	69 - 132	1380
BTEX/GRO Surr., a,a,a-TFT	% Recovery	95	69 - 132	1400
BTEX/GRO Surr., a,a,a-TFT	% Recovery	96	69 - 132	1568

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
Benzene	< 0.0005	mg/l	1219	10/20/02	13:32
Benzene	< 0.0005	mg/l	1380	10/21/02	6:01
Toluene	< 0.0005	mg/l	1219	10/20/02	13:32
Toluene	< 0.0005	mg/l	1380	10/21/02	6:01
Ethylbenzene	< 0.0005	mg/l	1219	10/20/02	13:32
Ethylbenzene	< 0.0005	mg/l	1380	10/21/02	6:01
Xylenes (Total)	< 0.0005	mg/l	1219	10/20/02	13:32
Xylenes (Total)	< 0.0005	mg/l	1380	10/21/02	6:01
Methyl-t-butylether	< 0.0005	mg/l	1219	10/20/02	13:32
Methyl-t-butylether	< 0.0005	mg/l	1380	10/21/02	6:01
Methyl-t-butylether	< 0.0005	mg/l	1400	10/21/02	6:01
Methyl-t-butylether	< 0.0005	mg/l	1568	10/21/02	22:09
TPH (Gasoline Range)	< 0.0500	mg/l	1219	10/20/02	13:32
TPH (Gasoline Range)	< 0.0500	mg/l	1380	10/21/02	6:01

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	1219	10/20/02	13:32
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	1380	10/21/02	6:01
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	1400	10/21/02	6:01
BTEX/GRO Surr., a,a,a-TFT	105.	% Recovery	1568	10/21/02	22:09

Project QC continued . . .

TestAmerica
INCORPORATED

PROJECT QUALITY CONTROL DATA
Project Number: 229313X
Page: 4

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 305050

TESTAMERICA,INC.-NASHVILLE

COOLER RECEIPT FORM

Client: ERI BC# 30850

Cooler Received On: 10/15/02 And Opened On: 10/15/02 By: Shawn Gracey

(Signature)

1. Temperature of Cooler when opened 2.0 Degrees Celsius
2. Were custody seals on outside of cooler?.....YES NO N/A
   a. If yes, how many, what kind and where: 1 (FRONT/BACK/SIDE)
   b. Were the seals intact, signed, and dated correctly?.....YES NO N/A
3. Were custody seals on containers and intact?.....NO YES N/A
4. Were custody papers inside cooler?.....YES NO N/A
5. Were custody papers properly filled out (ink,signed,etc)?.....YES NO N/A
6. Did you sign the custody papers in the appropriate place?.....YES NO N/A
7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
8. Was sufficient ice used (if appropriate)?.....YES NO N/A
9. Did all bottles arrive in good condition(unbroken)?.....YES NO N/A
10. Were all bottle labels complete (#,date,signed,pres,etc)?.....YES NO N/A
11. Did all bottle labels and tags agree with custody papers?.....YES NO N/A
12. Were correct bottles used for the analysis requested?.....YES NO N/A
13. a. Were VOA vials received?.....YES NO N/A
    b. Was there any observable head space present in any VOA vial?.....NO YES N/A
14. Was sufficient amount of sample sent in each bottle?.....YES NO N/A
15. Were correct preservatives used?.....YES NO N/A
    If not, record standard ID of preservative used here_____
16. Was residual chlorine present?.....NO YES N/A
17. Corrective action taken, if necessary:

See attached for resolution - MA9B was mislabeled MW9B

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

305050

ExxonMobil

Consultant Name:	Environmental Resolutions, Inc.
Address:	73 Digital Drive, Suite 100
City/State/Zip:	Novato, California 94949
Project Manager	Paula Sime
Telephone Number:	(415) 382-9105
ERI Job Number:	229313X
Sampler Name: (Print)	Cynthia Callenbach
Sampler Signature:	

ExxonMobil Engineer	Gene N. Ortega
Telephone Number	(925) 246-8747
Account #:	3876
PO #:	4501667113
Facility ID #	70238
Global ID#	T0600101343
Site Address	2200 East 12th Street
City, State Zip	Oakland, California

☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report
FAX Results

Special Instructions:
Hold analyses for sample "BB".

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	Analyze For: TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8021B	Confirm MTBE 8260B	Oxygenates 8260B*	VOCs 8260B
QC TB 169351	10/11/02	—		X	HCl	2 VOAs	X				H	O	L	D		
MW9A 52		1250		X	HCl	4 VOAs	X				X	X	X			
MA9B 53		1245		X	HCl	4 VOAs	X				X	X	X			
MW9C 54		1255		X	HCl	4 VOAs	X				X	X	X			
MW9D 55		1235		X	HCl	4 VOAs	X				X	X	X			
MW9F 56		1110		X	HCl	4 VOAs	X				X	X	X			
MW9G 57		1040		X	HCl	4 VOAs	X				X	X	X			
MW9H 58		1020		X	HCl	4 VOAs	X				X	X	X			
MW9I 169359	↓	1240		X	HCl	4 VOAs	X				X	X	X			

Relinquished by:	Date	Time	Received by:	Time
Cynthia Callenbach	10/11/02			
Relinquished by:	Date 10/14/02	Time 0730	Received by TestAmerica:	Time 10/15/02 0900

Laboratory Comments:
Temperature Upon Receipt 2.0
Sample Containers Intact? Y
VOAs Free of Headspace? Y