EXXON COMPANY, U.S.A.

P.O. BOX 4032 • CONCORD, CA 94524-4032
MARKETING DEPARTMENT • ENVIRONMENTAL ENGINEERING

DARIN L. ROUSE
SENIOR ENGINEER
(925) 246-8768
(925) 246-8798 FAX

July 7, 1999

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

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

Dear Mr. Chan:

Attached for your review and comment is a letter report entitled ***Quarterly Groundwater Monitoring Report, Second Quarter 1999,*** dated June 17, 1999, for the above referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Novato, California, and details the results of the quarterly groundwater monitoring and sampling activities at the subject site.

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

Sincerely,

Darin L. Rouse
Senior Engineer

DLR/tjm

Attachment ERI's Quarterly Groundwater Monitoring Report, Second Quarter 1999, dated June 17, 1999.

cc: w/ attachment
Mr. Stephen Hill - California Regional Water Quality Control Board-San Francisco Bay Region

w/o attachment
Ms. Tracy A. Faulkner - Environmental Resolutions, Inc.

ENVIRONMENTAL RESOLUTIONS, INC.

June 17, 1999
ERI 229313.R05

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

Subject: Quarterly Groundwater Monitoring Report, Second Quarter 1999, Exxon Service Station 7-0238, 2200 East 12th Street, Oakland, California.

Ms. Guensler:

At the request of Exxon Company, U.S.A. (Exxon), Environmental Resolutions, Inc. (ERI), is reporting the results of the second quarter 1999, groundwater monitoring and sampling event. The location of the site is shown on the Site Vicinity Map (Plate 1). The purpose of quarterly monitoring and sampling is to evaluate concentrations of dissolved hydrocarbons in groundwater and groundwater flow direction and gradient. Blaine Tech Services, Inc. (Blaine Tech) performed the site field activities at the request of Exxon.

GROUNDWATER MONITORING AND SAMPLING

On May 18 and 27, 1999, Blaine Tech measured depth to water (DTW) and collected groundwater samples from select monitoring wells for laboratory analysis. Groundwater monitoring and sampling were performed in accordance with Blaine Tech's groundwater sampling protocol (Attachment A).

Calculated groundwater gradient and flow direction are presented on Plate 2. Historical and recent monitoring data are summarized in Table 1.

LABORATORY ANALYSES AND RESULTS

Groundwater samples were submitted to Sequoia Analytical Laboratories, Inc. (California State Certification Number 1210) in Redwood City, California, under Chain of Custody protocol. The samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and total purgeable petroleum hydrocarbons as gasoline (TPPHg), 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 analyses of groundwater samples are summarized in Table 1. The results of analyses of groundwater samples collected during the recent sampling event are shown on Plate 2.

LIMITATIONS

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

ERI recommends forwarding copies of this report to:

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

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

If you have any questions or comments regarding this report, please call Ms. Tracy A. Faulkner at (415) 382-5985.

Sincerely,
Environmental Resolutions, Inc.

Tracy A. Faulkner
Project Manager

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

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 Reports and Chain of Custody Records

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X
		<	feet	>	<		ug/L			>
MW9A	11/2/95	NLPH	7.16	4.30	<50	<10	<0.5	<0.5	<0.5	<0.5
(11.46)	4/26/96	NLPH	6.33	5.13	---	---	---	---	---	---
	8/22/96	NLPH	7.02	4.44	---	---	---	---	---	---
	2/24/97	---	---	---	---	---	---	---	---	---
	3/16/98	NLPH	6.14	5.32	<200	40,000	7.9	<2.0	<2.0	<2.0
	4/21/98	NLPH	6.29	5.17	<50	53,000	3.8	<0.5	<0.5	<0.5
(14.53)	7/22/98	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
	2/26/99	NLPH	6.38	8.15	<100	10,000	<1.0	<1.0	<1.0	<1.0
	5/27/99**	**NLPH**	**6.56**	**7.97**	**<5,000**	**15,300**	**<50**	**<50**	**<50**	**<50**
MW9B	11/2/95	NLPH	6.14	3.66	130	<10	3.3	<0.5	<0.5	<0.5
(9.80)	4/26/96	NLPH	5.66	4.14	270	70	130	2.8	6.7	<3
	8/22/96	NLPH	6.16	3.64	210	31	5.7	6.8	1.1	9.2
	2/24/97	NLPH	5.58	4.22	1,400	1,300	76	1.4	4.1	1.2
	3/16/98	NLPH	5.32	4.48	860	1,500	140	2.0	11	<2.0
	4/21/98	NLPH	5.49	4.31	1,800	18,000	300	<5.0	7.9	<5.0
(12.83)	7/22/98	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
	2/26/99	NLPH	5.10	7.73	8,800	8,000	2,000	<25	52	38
	5/18/99	**NLPH**	**5.65**	**7.18**	**<10,000**	**42,100**	**158**	**<100**	**<100**	**<100**
MW9C	11/2/95	---	---	---	---	---	---	---	---	---
(11.14)	4/26/96	---	---	---	---	---	---	---	---	---
	8/22/96	---	---	---	---	---	---	---	---	---
	2/24/97	---	---	---	---	---	---	---	---	---
	3/16/98	NLPH	5.51	5.63	<500	150,000	24	<5.0	<5.0	<5.0
	4/21/98	NLPH	5.83	5.31	150	130,000/150,000*	<0.5	<0.5	<0.5	<0.5
(14.19)	7/22/98	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
	2/26/99	NLPH	5.46	8.73	<250	55,000	<2.5	<2.5	<2.5	<2.5
	5/18/99	**NLPH**	**6.27**	**7.92**	**<25,000**	**68,900**	**<250**	**<250**	**<250**	**<250**

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X
		<	feet	>	<		ug/L			>
MW9D	11/2/95	---	---	---	---	---	---	---	---	---
(12.90)	4/26/96	---	--	--	---	---	---	---	---	---
	8/22/96	---	---	---	---	---	---	---	---	---
	2/24/97	---	---	---	---	---	---	---	---	---
	3/16/98	NLPH	6.94	5.96	<50	10	<0.5	<0.5	<0.5	<0.5
	4/21/98	NLPH	7.22	5.68	<50	12	<0.5	<0.5	<0.5	<0.5
(15.98)	7/22/98	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
	2/26/99	NLPH	6.42	9.56	<50	310	<0.5	<0.5	<0.5	<0.5
	5/18/99	**NLPH**	**6.55**	**9.43**	**<2,500**	[illegible]	**<25**	**<25**	**<25**	**<25**
MW9F	11/2/95	---	---	---	---	---	---	---	---	---
(8.37)	4/26/96	NLPH	---	---	<50	57	<0.5	<0.5	<0.5	<0.5
	8/22/96	NLPH	---	---	<50	5.8	<0.5	<0.5	<0.5	<0.5
	2/24/97	NLPH	---	---	<50	<30	<0.5	<0.5	<0.5	<0.5
	3/16/98	NLPH	---	---	---	---	---	---	---	---
	4/21/98	---	---	---	---	---	---	---	---	---
(11.38)	7/22/98	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.47	5.91	<50	81	<0.5	<0.5	<0.5	<0.5
	2/26/99	NLPH	5.35	6.03	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	5/18/99	**NLPH**	**5.62**	**5.76**	**<50**	**61.6**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
? MW9G	11/2/95	NLPH	5.92	4.03	<50	<10	<0.5	<0.5	<0.5	<0.5
MW9G - (9.95)	4/26/96	NLPH	5.28	4.67	<50	18	<0.5	<0.5	<0.5	<0.5
	8/22/96	NLPH	5.57	4.38	<50	18	<0.5	<0.5	<0.5	<0.5
	2/24/97	NLPH	5.30	4.65	<50	240	<0.5	0.57	<0.5	0.62
	3/16/98	---	---	---	---	---	---	---	---	---
	4/21/98	---	---	---	---	---	---	---	---	---
(12.99)	7/22/98	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	5.28	7.71	<50	1,100	<0.5	<0.5	<0.5	<0.5
	2/26/99	NLPH	5.31	7.68	<50	50	<0.5	<0.5	<0.5	<0.5
	5/18/99	**NLPH**	**5.18**	**7.81**	**<1,000**	**3,990**	**<10**	**<10**	**<10**	**<10**

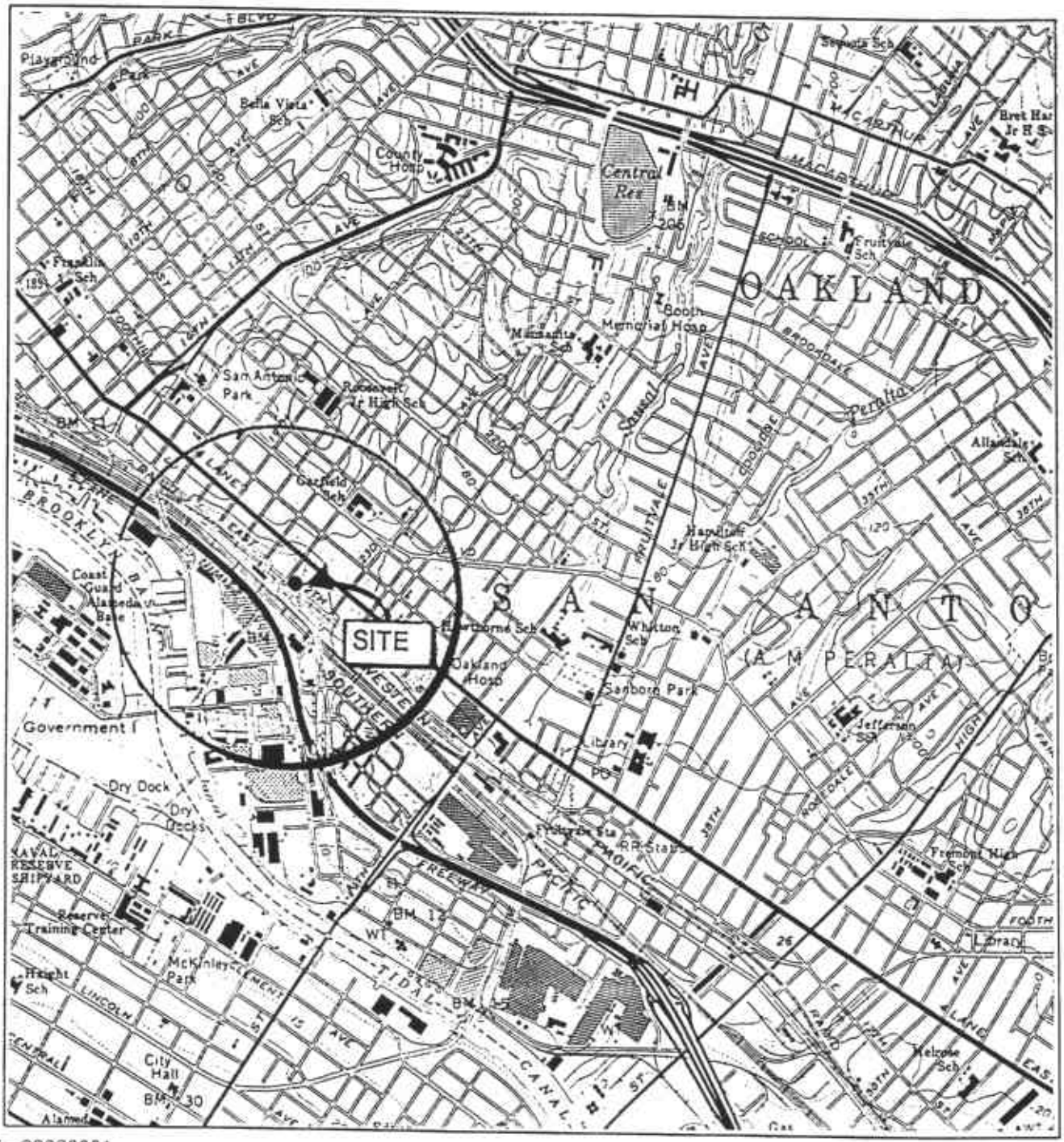
MW9G to West Yellowstone

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

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPPHg	MTBE	B	T	E	X
		<	feet	>	<		ug/L			>
MW9H	11/2/95	NLPH	8.40	0.18	<50	<10	<0.5	<0.5	<0.5	<0.5
(8.58)	4/26/96	NLPH	8.05	0.53	---	---	---	---	---	---
	8/22/96	NLPH	8.17	0.41	---	---	---	---	---	---
	2/24/97	---	---	---	---	---	---	---	---	---
	3/16/98	---	---	---	---	---	---	--	---	---
	4/21/98	---	---	---	---	---	---	---	---	---
(11.61)	7/22/98	---	---	---	---	---	---	---	---	---
	12/22/98	NLPH	7.81	3.80	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	2/26/99	NLPH	7.61	4.00	<50	<2.5	<0.5	<0.5	<0.5	<0.5
	5/18/99	**NLPH**	**8.00**	**3.61**	**<50**	**3.98**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW9I	11/2/95	NLPH	6.04	4.07	<50	<10	<0.5	<0.5	<0.5	<0.5
(10.11)	4/26/96	NLPH	5.27	4.84	<50	99	<0.5	<0.5	<0.5	<0.5
	8/22/96	NLPH	5.66	4.45	<50	170	<0.5	<0.5	<0.5	<0.5
	2/24/97	NLPH	5.24	4.87	120	9,100	<0.5	<0.5	<0.5	<0.5
	3/16/98	NLPH	4.91	5.20	<200	59,000	13	<2.0	<2.0	<2.0
	4/21/98	NLPH	5.08	5.03	<500	59,000	<5.0	<5.0	<5.0	<5.0
(13.14)	7/22/98	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
	2/26/99	NLPH	4.71	8.43	<500	9,700	<5.0	<5.0	<5.0	<5.0
	5/18/99	**NLPH**	**5.30**	**7.84**	**<1,000**	**3,730**	**<10**	**<10**	**<10**	**<10**

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.
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, and total xylenes using EPA method 5030/8020.
<	=	Less than the indicated detection limit shown by the laboratory.
---	=	Not measured or sampled.
*	=	MTBE confirmed using EPA method 8260.
**	=	Miscalculation in field. Field technician may have inadvertently monitored and sampled the wrong well. Resampled 5/27/99.



FN 22930001

EXPLANATION

N

Source: U.S.G.S. 7.5 minute topographic quadrangle map Oakland East, California (Photorevised 1980)

APPROXIMATE SCALE

0 1/2 1

MILE

ENVIRONMENTAL RESOLUTIONS, INC.

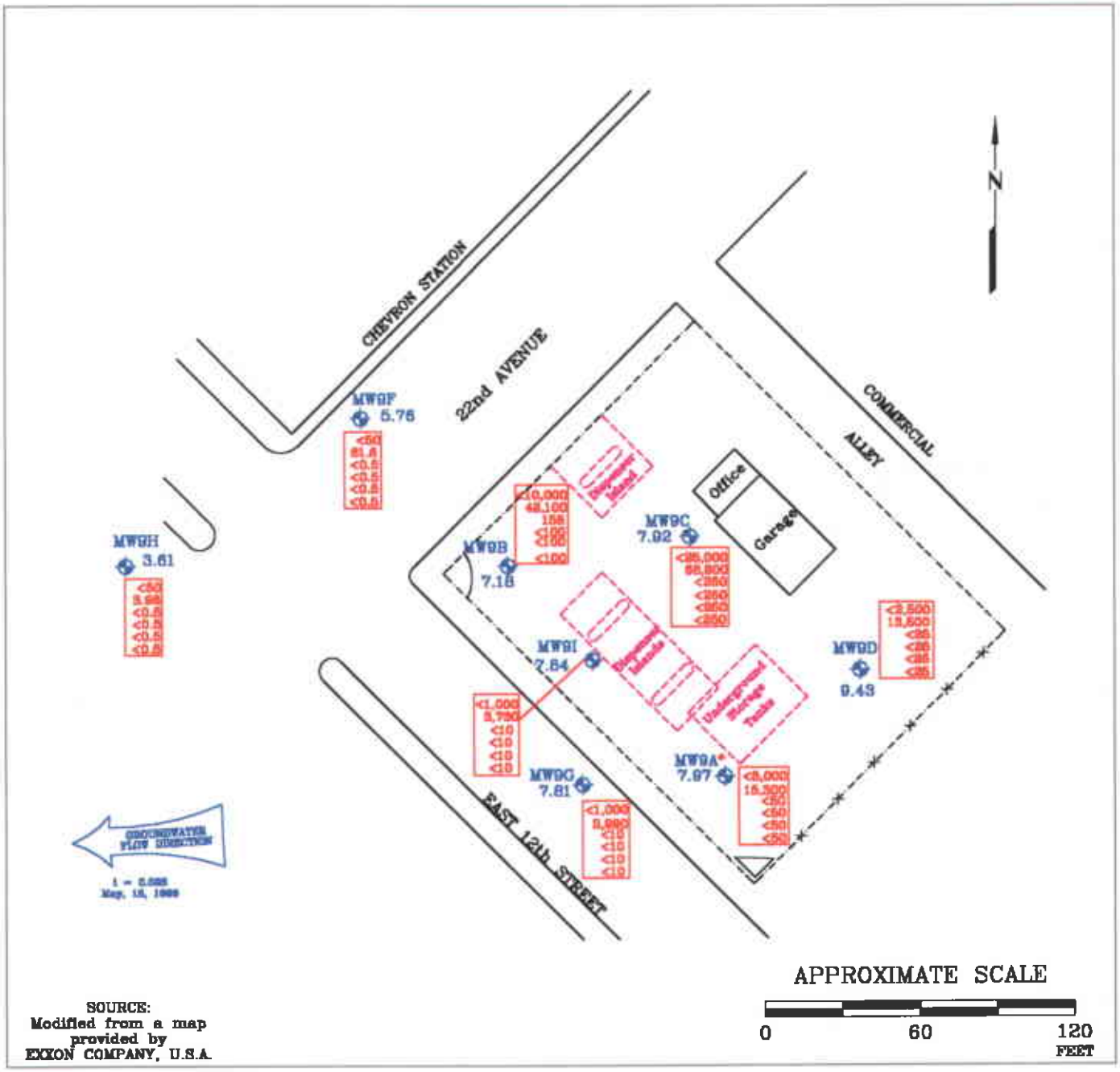
PROJECT ERI 2293

SITE VICINITY MAP

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

PLATE

1



SOURCE:
Modified from a map provided by
EXXON COMPANY, U.S.A.

FN 22930002

EXPLANATION

MW9I — Groundwater Monitoring Well

9.43 — Groundwater elevation in feet above mean sea level

i = — Interpreted Groundwater Gradient

Groundwater Concentrations in ug/L
Sampled May 18, 1999

<25,000	Total Purgeable Petroleum Hydrocarbons as gasoline
88,900	Methyl Tertiary Butyl Ether
<250	Benzene
<250	Toluene
<250	Ethylbenzene
<250	Total Xylenes
ug/L	Micrograms per Liter (ug/L)
<	Less Than the Stated Laboratory Detection Level
*	MW9A sample results from May 27, 1999

ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

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

PROJECT NO. 2293

PLATE 2

June 14, 1999

ATTACHMENT A

GROUNDWATER SAMPLING PROTOCOL

BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS AT EXXON STATIONS

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Exxon comply with Exxon's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40 hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Exxon site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic sounders which are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of Immiscibles or sheen and when free product is suspected, it is confirmed using an electronic interface probe (e.g. MMC). If sheen or product is found in a well, the Project Coordinator notifies the appropriate party (e.g. Exxon employee or consultant).

No samples are collected from a well containing sheen or product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and

are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well. Small volumes of purgewater are often removed by hand bailing with a disposable bailer.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewaters and does not recharge.

Wells known to dewater are evacuated as early as possible during each site visit in order to allow for the greatest amount of recovering. Any well that does not recharge to 80% of its original volume will be sampled prior to the departure of our personnel from the site in order to eliminate the need of a return visit.

In jurisdictions where a certain percentage of recovery is included in the local completion standard, our personnel follow the regulatory expectation.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to an Exxon approved disposal facility (e.g. Romic Environmental Technologies Corporation in East Palo Alto, California).

SAMPLE COLLECTION DEVICES

All samples are collected using a disposable bailer.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory which will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

A Trip Blank is carried to each site and is kept inside the cooler for the duration of the sampling event. It is turned over to the laboratory for analysis with the samples from that site.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the analytical laboratory that will perform the intended analytical procedures. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

Each and every sample container has a label affixed to it. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the station number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time at which the sample was collected and the initials of the person collecting the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before

leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer which is then operated with high quality deionized water which is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, sounder etc.) that cannot be washed using the hot high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

EXAMPLE: The sounder is cleaned between wells using the non-phosphate soap and deionized water solution followed by deionized water rinses. The sounder is then washed with the steam cleaner between sites or as necessitated by use in a particularly contaminated well.

DISSOLVED OXYGEN READINGS

All Dissolved Oxygen readings are taken using YSI meters (e.g. YSI Model 58 or equivalent YSI meter). These meters are equipped with a YSI stirring device that enables them to collect accurate in-situ readings. The probe/stirring devices are modified to allow downhole measurements to be taken from wells as small as two-inch diameter.

The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe and stirrer is lowered into the water column allowed to stabilize before use.

OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual. In use the probe is placed in a cup of freshly obtained monitoring well water and allowed to stabilize.

ATTACHMENT B

LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY RECORD

Sequoia
Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

June 4, 1999

Tracy Faulkner
ERI
73 Digital Dr. Suite 100
Novato, CA 94949

RE: Exxon/P905609

Dear Tracy Faulkner:

Enclosed are the results of analyses for sample(s) received by the laboratory on May 19, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai
Project Manager

CA ELAP Certificate Number 2245

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

ANALYTICAL REPORT FOR P905609

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-9A	P905609-01	Water	5/18/99
MW-9B	P905609-02	Water	5/18/99
MW-9C	P905609-03	Water	5/18/99
MW-9D	P905609-04	Water	5/18/99
MW-9F	P905609-05	Water	5/18/99
MW-9G	P905609-06	Water	5/18/99
MW-9H	P905609-07	Water	5/18/99
MW-9I	P905609-08	Water	5/18/99
Trip Blank	P905609-09	Water	5/18/99

Sequoia Analytical

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(707) 792-1865
FAX (707) 792-0342

ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: MW-9A
Laboratory Sample Number: P905609-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050878	5/28/99	5/29/99		25000	ND	ug/l	
Benzene	"	"	"		250	ND	"	
Toluene	"	"	"		250	ND	"	
Ethylbenzene	"	"	"		250	ND	"	
Xylenes (total)	"	"	"		250	ND	"	
Methyl tert-butyl ether	"	"	"		1000	**72200**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*101*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*94.0*	"	

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RI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: MW-9B
Laboratory Sample Number: P905609-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050882	5/28/99	5/29/99		10000	ND	ug/l	
Benzene	"	"	"		100	**158**	"	
Toluene	"	"	"		100	ND	"	
Ethylbenzene	"	"	"		100	ND	"	
Xylenes (total)	"	"	"		100	ND	"	
Methyl tert-butyl ether	"	"	"		400	**42100**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*92.3*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*99.3*	"	

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ERI	Project:	Exxon	Sampled: 5/18/99
173 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: MW-9C
Laboratory Sample Number: P905609-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050882	5/28/99	5/29/99		25000	ND	ug/l	
Benzene	"	"	"		250	ND	"	
Toluene	"	"	"		250	ND	"	
Ethylbenzene	"	"	"		250	ND	"	
Xylenes (total)	"	"	"		250	ND	"	
Methyl tert-butyl ether	"	"	"		1000	68900	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*93.7*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*98.7*	"	

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: MW-9D
Laboratory Sample Number: P905609-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050882	5/28/99	5/29/99		2500	ND	ug/l	
Benzene	"	"	"		25.0	ND	"	
Toluene	"	"	"		25.0	ND	"	
Ethylbenzene	"	"	"		25.0	ND	"	
Xylenes (total)	"	"	"		25.0	ND	"	
Methyl tert-butyl ether	"	"	"		100	**13500**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*90.3*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*98.0*	"	

**Refer to end of report for text of notes and definitions.*

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: **MW-9F**
Laboratory Sample Number: **P905609-05**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050882	5/28/99	5/29/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	61.6	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*96.3*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*99.7*	"	

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: MW-9G
Laboratory Sample Number: P905609-06

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050882	5/28/99	5/29/99		1000	ND	ug/l	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		40.0	3990	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*92.0*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*99.0*	"	

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: **MW-9H**
Laboratory Sample Number: **P905609-07**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050898	5/29/99	5/29/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	**3.98**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*101*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*95.7*	"	

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: **MW-9I**
Laboratory Sample Number: **P905609-08**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050898	5/29/99	5/29/99		1000	ND	ug/l	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		40.0	3730	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*100*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*94.0*	"	

**Refer to end of report for text of notes and definitions.*

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Sample Description: **Trip Blank**
Laboratory Sample Number: **P905609-09**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9050898	5/29/99	5/29/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*103*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*96.0*	"	

Sequoia Analytical

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9050878	**Date Prepared: 5/28/99**					**Extraction Method: EPA 5030 waters**				
Blank	**9050878-BLK1**									
Gasoline	5/28/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*308*	"	*65.0-135*	*103*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*290*	"	*65.0-135*	*96.7*			
LCS	**9050878-BS1**									
Gasoline	5/28/99	1000		877	ug/l	65.0-135	87.7			
Surrogate: 4-Bromofluorobenzene	"	*300*		*284*	"	*65.0-135*	*94.7*			
Matrix Spike	**9050878-MS1**		**P905525-04**							
Gasoline	5/28/99	1000	ND	889	ug/l	65.0-135	88.9			
Surrogate: 4-Bromofluorobenzene	"	*300*		*290*	"	*65.0-135*	*96.7*			
Matrix Spike Dup	**9050878-MSD1**		**P905525-04**							
Gasoline	5/28/99	1000	ND	871	ug/l	65.0-135	87.1	20.0	2.05	
Surrogate: 4-Bromofluorobenzene	"	*300*		*298*	"	*65.0-135*	*99.3*			
Batch: 9050882	**Date Prepared: 5/28/99**					**Extraction Method: EPA 5030 waters**				
Blank	**9050882-BLK1**									
Gasoline	5/28/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*284*	"	*65.0-135*	*94.7*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*308*	"	*65.0-135*	*103*			
LCS	**9050882-BS1**									
Benzene	5/28/99	100		98.2	ug/l	65.0-135	98.2			
Toluene	"	100		97.4	"	65.0-135	97.4			
Ethylbenzene	"	100		91.5	"	65.0-135	91.5			
Xylenes (total)	"	300		283	"	65.0-135	94.3			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*271*	"	*65.0-135*	*90.3*			

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike	9050882-MS1		P905528-03							
Benzene	5/28/99	100	ND	102	ug/l	65.0-135	102			
Toluene	"	100	ND	101	"	65.0-135	101			
Ethylbenzene	"	100	ND	95.2	"	65.0-135	95.2			
Xylenes (total)	"	300	ND	294	"	65.0-135	98.0			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*279*	"	*65.0-135*	*93.0*			
Matrix Spike Dup	9050882-MSD1		P905528-03							1,2
Benzene	5/28/99	100	ND	188	ug/l	65.0-135	188	20.0	59.3	
Toluene	"	100	ND	145	"	65.0-135	145	20.0	35.8	
Ethylbenzene	"	100	ND	99.2	"	65.0-135	99.2	20.0	4.12	
Xylenes (total)	"	300	ND	235	"	65.0-135	78.3	20.0	22.3	
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*391*	"	*65.0-135*	*130*			
Batch: 9050898	Date Prepared: 5/29/99					Extraction Method: EPA 5030 waters				
Blank	9050898-BLK1									
Gasoline	5/29/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*305*	"	*65.0-135*	*102*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*278*	"	*65.0-135*	*92.7*			
LCS	9050898-BS1									
Gasoline	5/29/99	1000		919	ug/l	65.0-135	91.9			
Surrogate: 4-Bromofluorobenzene	"	*300*		*281*	"	*65.0-135*	*93.7*			
Matrix Spike	9050898-MS1		P905614-01							
Gasoline	5/29/99	1000	ND	958	ug/l	65.0-135	95.8			
Surrogate: 4-Bromofluorobenzene	"	*300*		*279*	"	*65.0-135*	*93.0*			
Matrix Spike Dup	9050898-MSD1		P905614-01							
Gasoline	5/29/99	1000	ND	938	ug/l	65.0-135	93.8	20.0	2.11	
Surrogate: 4-Bromofluorobenzene	"	*300*		*282*	"	*65.0-135*	*94.0*			

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ERI	Project:	Exxon	Sampled: 5/18/99
73 Digital Dr. Suite 100	Project Number:	990518-M1/7-0238	Received: 5/19/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/4/99

Notes and Definitions

#	Note
1	Sample portion used for MSD had sediment
2	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 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: ERI / Exxon			
Address: 74 Digital Dr, Suite 6, Novato, CA 94949		Site Location: 2200 E 12th St Oakland	
Project #: 990518-m1	Consultant Project #:	Consultant Work Release #: 1990093B	
Project Contact: Tracy Faulkner	Phone #: (415) 382-5985	Laboratory Work Release #:	
EXXON Contact: Marla Gwesler	Phone #: (925) 246-8776	EXXON RAS #: 7-0238	
Sampled by (print): Mark Tomlinson	Sampler's Signature: Mark Tomlinson	COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐	
Shipment Method:	Air Bill #:	COOLER TEMPERATURE ____ °C	

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 #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE (8020)		Temperature: ____ Inbound Seal: Yes No Outbound Seal: Yes No
MW-9A	5-18-99	14:40	water		3	P905609-1	X			X		
MW-9B		14:20			3	-2	X			X		
MW-9C		13:38			3	-3	X			X		
MW-9D		11:40			3	-4	X			X		
MW-9F		11:00			3	-5	X			X		
MW-9G		10:20			3	-6	X			X		
MW-9H		10:00			3	-7	X			X		
MW-9I		13:55			3	-8	X			X		
TB	5-18-99	16:00			2	-9	X			X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Mark Tomlinson / BTS	5/19/99	9:40	/ Sequoia	5/19/99	0940	
/ Seq.	5/19/99 1130			5-19	1240	
	5-19	1445		5/19	15:00	

Yellow - Sequoia
White - Sequoia
Pink - Client

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
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June 10, 1999

Tracy Faulkner
ERI
73 Digital Dr. Suite 100
Novato, CA 94949

RE: Exxon/P905824

Dear Tracy Faulkner:

Enclosed are the results of analyses for sample(s) received by the laboratory on May 28, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai
Project Manager

CA ELAP Certificate Number 2245

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
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FAX (707) 792-0342

RI	Project:	Exxon	Sampled: 5/27/99
3 Digital Dr. Suite 100	Project Number:	7-0238/	Received: 5/28/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/10/99

ANALYTICAL REPORT FOR P905824

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-9A	P905824-01	Water	5/27/99

Sequoia Analytical

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RI	Project:	Exxon	Sampled: 5/27/99
Digital Dr. Suite 100	Project Number:	7-0238/	Received: 5/28/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/10/99

ample Description: MW-9A
Laboratory Sample Number: P905824-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - Petaluma								
otal Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M								
Gasoline	9060277	6/9/99	6/9/99		5000	ND	ug/l	
Benzene	"	"	"		50.0	ND	"	
oluene	"	"	"		50.0	ND	"	
thylbenzene	"	"	"		50.0	ND	"	
Xylenes (total)	"	"	"		50.0	ND	"	
Methyl tert-butyl ether	"	"	"		200	**15300**	"	
urrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*86.0*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*95.3*	"	

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

RI	Project: Exxon	Sampled: 5/27/99
73 Digital Dr. Suite 100	Project Number: 7-0238/	Received: 5/28/99
Novato, CA 94949	Project Manager: Tracy Faulkner	Reported: 6/10/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9060277	**Date Prepared: 6/9/99**					**Extraction Method: EPA 5030 waters**				
Blank	**9060277-BLK1**									
Gasoline	6/9/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*281*	"	*65.0-135*	*93.7*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*294*	"	*65.0-135*	*98.0*			
LCS	**9060277-BS1**									
Benzene	6/9/99	100		101	ug/l	65.0-135	101			
Toluene	"	100		101	"	65.0-135	101			
Ethylbenzene	"	100		95.0	"	65.0-135	95.0			
Xylenes (total)	"	300		294	"	65.0-135	98.0			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*273*	"	*65.0-135*	*91.0*			
Matrix Spike	**9060277-MS1**		**P906061-02**							
Benzene	6/9/99	100	ND	98.2	ug/l	65.0-135	**98.2**			
Toluene	"	100	3.09	101	"	65.0-135	**97.9**			
Ethylbenzene	"	100	ND	92.6	"	65.0-135	**92.6**			
Xylenes (total)	"	300	ND	287	"	65.0-135	**95.7**			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*271*	"	*65.0-135*	*90.3*			
Matrix Spike Dup	**9060277-MSD1**		**P906061-02**							
Gasoline	6/9/99		154	ND	ug/l	65.0-135		20.0		
Benzene	"	100	ND	101	"	65.0-135	**101**	20.0	**2.81**	
Toluene	"	100	3.09	103	"	65.0-135	**99.9**	20.0	**2.02**	
Ethylbenzene	"	100	ND	95.2	"	65.0-135	**95.2**	20.0	**2.77**	
Xylenes (total)	"	300	ND	295	"	65.0-135	**98.3**	20.0	**2.68**	
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*277*	"	*65.0-135*	*92.3*			

Sequoia Analytical

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ERI	Project:	Exxon	Sampled: 5/27/99
73 Digital Dr. Suite 100	Project Number:	7-0238/	Received: 5/28/99
Novato, CA 94949	Project Manager:	Tracy Faulkner	Reported: 6/10/99

Notes and Definitions

#	Note
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: ERI / Exxon — Page 1 of 1

Address: 74 Digital Dr, Suite 6, Novato, CA 94949		Site Location: 2200 E 12th St, Oakland
Project #: 990518-M1	Consultant Project #:	Consultant Work Release #: 1990093B
Project Contact: Tracy Faulkner	Phone #: (415) 382-5985	Laboratory Work Release #:
EXXON Contact: Marla Guensler	Phone #: (925) 246-8776	EXXON RAS #: 7-0238
Sampled by (print): Morgan Hargrave	Sampler's Signature:	
Shipment Method:	Air Bill #:	990824

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

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE (8020)		Temperature: Inbound Seal: Yes No Outbound Seal: Yes No
MW94	5-27-99	1241	Water	HCl	3		X			X		-01

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
BTS	5/28/99	1145		5/28/99	1145	
	5/28/99		CDC	5-28	1520	
	5/28/99	1730		5/28/99	1735	

Pink - Client
Yellow - Sequoia
White - Sequoia

229313

BLAINE TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 573-7771 FAX
(408) 573-0555 PHONE

DATE 5/28/99

Total pages including cover sheet (5)

TO Mark Dockum

OF ERI
(415) 382-1856

FROM Morgan Hargrave x218

REMARKS: Mark - COC's and gauging data for Exxon 7-0238.
Our technician had a mix-up and may have misidentified well MW9A. We sent another tech out to resample the well at no charge.

- Morgan

(Originals will be mailed today

WELL GAUGING DATA

Project # 990518-M1 Date 5-18-99 Client Exxon

Site 2200 E. 12th Oakland CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1A	2					~~5.33~~	17.50	TOC	
MW-1B	2					5.65	17.60		
MW-1C	2					6.27	16.00		
MW-1D	4					6.55	14.80		
MW-1F	4					5.62	13.98		
MW-1G	4					5.18	14.10		
MW-1H	4					8.00	14.20		
MW-1I	4					5.30	13.80		

Sequoia Analytical
680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: ERI / Exxon		Page 1 of 1
Address: 74 Digital Dr, Suite 6, Novato, CA 94949		Site Location: 7200 E. 12th St. Oakland
Project #: 990518-M1	Consultant Project #:	Consultant Work Release #: 19900938
Project Contact: Tracy Faulkner	Phone #: (415) 382-5985	Laboratory Work Release #:
EXXON Contact: Marla Guensler	Phone #: (925) 246-8776	EXXON RAS #: 7-0238
Sampled by (print): Morgan Hargrave	Sampler's Signature:	
Shipment Method:	Air Bill #:	

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

ANALYSIS REQUIRED

Sample Description	Collection Date	Collection Time	Matrix Soil/Water/Air	Prsv	# of Cont.	Sequoia's Sample #	TPH/Gas BTEX/ 8015/ 8020	TPH/ Diesel EPA 8015	TRPH S.M. 5520	MTBE (8020)		Temperature:_____ Inbound Seal: Yes No Outbound Seal: Yes No
MW-4	5-27-99	1241	Water	HCl	3		X			X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
BTS						

White - Sequoia Yellow - Sequoia Pink - Client

680 Chesapeake Dr.
Redwood City, CA 94063
(650) 364-9600 • FAX (650) 364-9233

EXXON COMPANY, U.S.A.

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

CHAIN OF CUSTODY

Consultant's Name: ERI / Exxon			**Page** 1 of 1
Address: 74 Digital Dr, Suite 6, Novato, CA. 94949			**Site Location:** 2200 E 12th St, Oakland
Project #: 990518-M1	**Consultant Project #:**		**Consultant Work Release #:** 19900938
Project Contact: Tracy Faulkner	**Phone #:** (415) 382-5985		**Laboratory Work Release #:**
EXXON Contact: Marla Gwesler	**Phone #:** (925) 246-8776		**EXXON RAS #:** 7-0238
Sampled by (print): Mark Tomlinson	**Sampler's Signature:** Mark Tomlinson		
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
MW-9A	5-18-99	14:40	water		3		X			X		
MW-9B		14:20			3		X			X		
MW-9C		13:38			3		X			X		
MW-9D		11:40			3		X			X		
MW-9F		11:00			3		X			X		
MW-9G		10:20			3		X			X		
MW-9H		10:00			3		X			X		
MW-9I		13:55			3		X			X		
TB	5-18-99	16:00			2		X			X		

RELINQUISHED BY / AFFILIATION	Date	Time	ACCEPTED / AFFILIATION	Date	Time	Additional Comments
Mark Tomlinson / BTS	5/19/99	9:40	/ Sequoia	5/19/99	0940	

White - Sequoia Yellow - Sequoia Pink - Client

SCOPE OF WORK

GROUNDWATER MONITORING AT EXXON

STORE # **7-0238**

SITE ADDRESS: **2200 E. 12TH ST.**
CITY: **OAKLAND**
COUNTY: **ALAMEDA**

Lab: **SEQUOIA**
Phone: (650) 364-9600

Engineer: Marla Guensler
Phone: (925) 246-8776
EWR # 19900938

Consultant: ERI
Contact: ~~Mark Dockum~~ Tracy Falkner
Phone: (415) 382-~~6091~~ 5535
Fax: (415) 382-1856

ERI PROJECT # 2293

Lock/Key: 3600
Gauge to: **TOC**

Required regulatory notifications/ cooperative sampling requirements:
NONE

Well I.D.	Required Analyses	Sampling Frequency	Sampling Months	Gauging Frequency	Remedial Devices	Notes & Tasks
MW9A	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		
MW9B	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		
MW9C	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		
MW9D	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		
MW9F	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		
MW9G	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		
MW9H	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		
MW9I	TPH-G, BTEX, MTBE	QTRLY	B	QTRLY		

CHANGES AND SPECIAL INSTRUCTIONS:

okay [illegible] 4/30

Scott, FYI
Tracy

WELL GAUGING DATA

Project # 990527-W3 Date 5/27/99 Client Exxon 7-0238

Site 2200 6th 12th St., Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW9A	2					6.56	17.55	TOC	

EXXON WELL MONITORING DATA SHEET

Project #: ~~990518-MH~~ 990527-H3	Job # 7-0238
Sampler: MH	Date: 5/27/99
Well I.D.: MW 9A	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 17.55	Depth to Water: 6.56
Depth to Free Product: ___	Thickness of Free Product (feet): ___
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: ~~Bailer~~ (Disposable Bailer) / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: ~~Bailer~~ (Disposable Bailer) / Extraction Port / Other: ___

1.7 (1 Case Volume (Gals.)) × 3 (Specified Volumes) = 5.1 (Calculated Volume) Gals

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1233	65.0	7.0	710		2	
1237	64.6	6.9	740		4	
1241	64.8	6.9	750		6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 1241 Sampling Date: 5/27

Sample I.D.: MW9A Laboratory: (Sequoia) Other ___

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 573-7771 FAX
(408) 573-0555 PHONE

DATE 6-14-99

Total pages including cover sheet (3)

TO Scott Graham

OF ERI

FROM Morgan Hargrave

REMARKS: Data for the make-up event: 5/18/99 Exxon 7-0258 Oakland

- Morgan