

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

LETTER REPORT
QUARTERLY GROUNDWATER MONITORING
First Quarter 1994

Exxon Station 7-0210
7840 Amador Valley Boulevard
Dublin, California

130001.20

EXXON COMPANY, U.S.A.

P.O. BOX 4032 • CONCORD, CA 94524-2032
MARKETING DEPARTMENT

FUEL PRODUCTS • BUSINESS SERVICES
ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
SENIOR ENVIRONMENTAL ENGINEER

(510) 246-8776
(510) 246-8798 FAX

July 15, 1994

Ms. Eva Chu
Alameda County Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 350
Oakland, CA 94621

ALCO
HAZMAT
94 JUL 22 11:2:00
7/28/94^① Contamination may be in soil
10-12' depth. ~~Can~~ wait for
data ~~at~~ when GW at 10-12' depth,
possibly in 1st or 2nd quarter
If no ~~po~~ elevated levels of BTEX,
can consider closure

② Could MW-3 be from off-site source?

Re: Exxon RAS #7-0210/7840 Amador Valley Blvd., Dublin, CA

Dear Ms. Chu:

Attached for your review and comment is a letter report entitled **Quarterly Groundwater Monitoring - First Quarter 1994** for the above referenced site. This report, prepared by RESNA Industries, Inc., (RESNA), of San Jose, California, details the results of the February 1994 ground water monitoring and sampling event.

Upon receiving the report for the fourth quarter monitoring event, you inquired as to whether or not a change in the sampling protocol had been authorized by your office. In a September 28, 1993 meeting with your agency, a reduction in sampling to semi-annual events on monitoring well MW-4 and an annual event for MW-3 was authorized. In the current monitoring event, monitoring wells MW-1, MW-2, and MW-4 were sampled. The results for each well were below method detection limits for TPHg and BTEX in this event.

It was Exxon's intent to deliver and discuss this report in meetings scheduled with Mr. Scott Seery of your agency in April and May, however, Exxon was unable to attend the meetings as originally scheduled, and another has not been discussed recently. Exxon apologizes for delays in the submittal of this report due to these unusual circumstances.

If you have any questions or comments, or require additional information, please do not hesitate to contact me at the above listed phone number.

Sincerely,

Marla D. Guensler
Senior Environmental Engineer

MDG/mdg

enclosure: RESNA Quarterly Report dated March 21, 1994

cc: w/enclosure:

Mr. Sum Arigalia - San Francisco Bay RWQCB

Mr. Jerry Killingstad - Alameda County Flood Control and Water Conservation District

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

March 21, 1994

Ms. Marla Guensler
Exxon Company, U.S.A.
P.O. Box 4032
2300 Clayton Road
Concord, California 94520

Subject: Quarterly Groundwater Monitoring, First Quarter 1994
Exxon Station 7-0210
7840 Amador Valley Boulevard, Dublin, California.

Ms. Guensler:

At the request of Exxon Company U.S.A. (Exxon), RESNA Industries Inc. (RESNA) performed the first quarter 1994 groundwater monitoring at the subject site (Plate 1, Site Vicinity Map). The objectives of groundwater monitoring are to evaluate: groundwater elevations, gradient and flow direction, the presence and thickness of any sheen and liquid-phase hydrocarbons, and the distribution of dissolved gasoline hydrocarbons in groundwater.

GROUNDWATER MONITORING AND SAMPLING

On February 16, 1994, RESNA measured the depth to water in wells MW-1 through MW-4, and collected groundwater samples from wells MW-1, MW-2, and MW-4 for laboratory analysis. Monitoring wells MW-1 and MW-2 are sampled each quarter. However, because of their history of non-detected hydrocarbon levels, well MW-3 is sampled in the third quarter, and well MW-4 is sampled in the first and third quarters of every year. RESNA's groundwater sampling protocol and well purge data sheets are in Appendix B, Groundwater Sampling Protocol and Well Purge Data Sheets.

Neither sheen nor liquid-phase hydrocarbons were observed in samples from the wells. Based on February 16, 1994, depth to water measurements, groundwater elevations at the site have decreased about 0.9 foot since last quarter. The groundwater beneath the site appears to be flowing towards the east-southeast with a hydraulic gradient of approximately 0.003 (Plate 2, Groundwater Gradient and Chemical Concentrations). Historical and recent monitoring data are summarized in Table 1, Cumulative Groundwater Monitoring and Sampling Data.

LABORATORY ANALYSES AND RESULTS

Groundwater samples were submitted to Pace Incorporated Laboratories (California State Certification Number 1282) in Novato, California, under chain of custody protocol. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes, (BTEX) using the Environmental Protection Agency methods listed in the notes in Table 1. The laboratory analysis reports and chain of custody record are in Appendix B, Laboratory Analysis Reports and Chain of Custody Record.

Results of laboratory analysis of groundwater samples are shown on Plate 2, and are summarized in Table 1.

- TPHg and BTEX concentrations were not detected at their respective MDLs.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental geological 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.

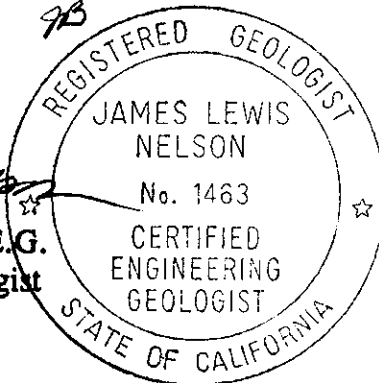
If you have any questions or comments regarding this report, please call (408) 264-7723.

Sincerely,
RESNA Industries Inc.

Mary E. Rysdale

Mary E. Rysdale
Geologic Technician

James L. Nelson
James L. Nelson C.E.G.
Senior Project Geologist



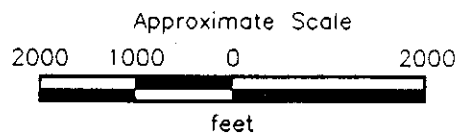
- Enclosures:
- Plate 1: Site Vicinity Map
 - Plate 2: Groundwater Gradient and Chemical Concentrations

 - Table 1: Cumulative Groundwater Monitoring and Sampling Data

 - Appendix A: Groundwater Sampling Protocol and Well Purge Data Sheets
 - Appendix B: Laboratory Analysis Reports and Chain of Custody Record



Source: U.S. Geological Survey
 7.5-Minute Quadrangle
 Dublin, California
 Photorevised 1980



RESNA
 Working to Restore Nature

PROJECT 130001.20

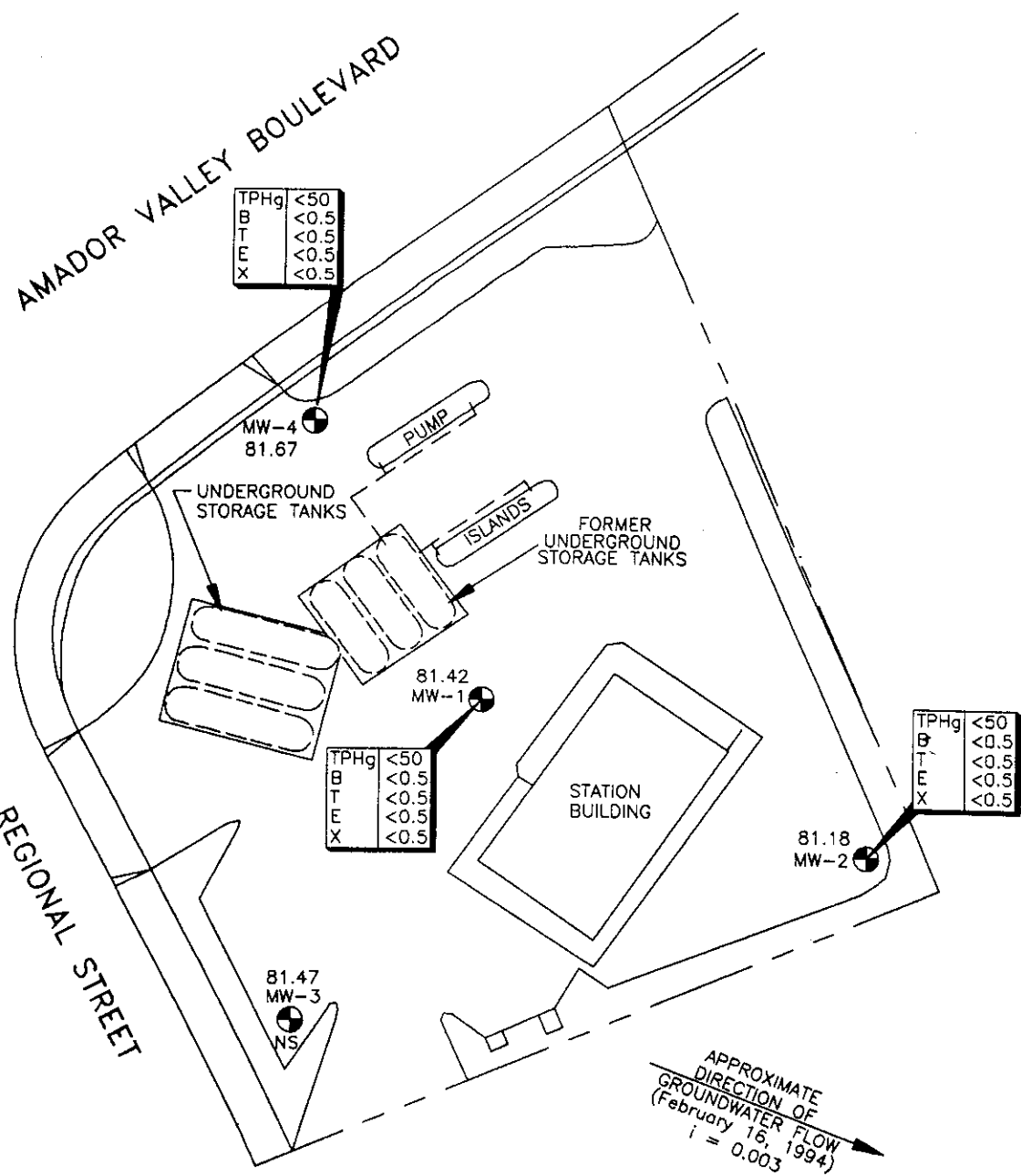
SITE VICINITY MAP
 Exxon Station 7-0210
 7840 Amador Valley Boulevard
 Dublin, California

PLATE

1

AMADOR VALLEY BOULEVARD

REGIONAL STREET



EXPLANATION

MW-4 = Groundwater monitoring well

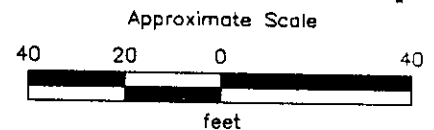
TPHg	<50
B	<0.5
T	<0.5
E	<0.5
X	<0.5

= Concentrations of gasoline hydrocarbons in groundwater in parts per billion, February 16, 1994

NS = Not sampled

81.67 = Elevation of groundwater in feet relative to common datum of 100 feet, February 16, 1994

i = Magnitude of hydraulic gradient



Source: Base map obtained from EA Engineering, Science, and Technology.



**GROUNDWATER GRADIENT AND
CHEMICAL CONCENTRATIONS**
Exxon Station 7-0210
7840 Amador Valley Boulevard
Dublin, California

PLATE
2

PROJECT 130001.20

3000120T

TABLE 1
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Exxon Service Station 7-0210
7840 Amador Valley Boulevard
Dublin, California

Page 1 of 2

Well ID # (TOC)	Sampling Date	SUBJ < >	DTW feet	Elev.	TPHg < >	B parts per billion	T	E	X
MW-1 (96.32)									
EA	05/21/92	NLPH	14.45	81.87	<50	<0.5	<0.5	<0.5	<0.5
RESNA	02/10/93	NLPH	12.22	84.10	2,600	3.1	<0.5	1.8	0.8
	05/20/93	NLPH	10.74	85.58	1,000	1.9	<0.5	1.8	<1.0
	06/23/93	NLPH	11.74	84.58	1,300	1.0	<0.5	1.2	<0.5
	08/23/93	NLPH	12.72	83.80	80	<0.5	<0.5	<0.5	0.8
	10/25/93	NLPH	13.99	82.33	140	<0.5	<0.5	0.8	1.3
	02/16/94	NLPH	14.90	81.42	<50	<0.5	<0.5	<0.5	<0.5
MW-2 (95.91)									
EA	05/21/92	NLPH	14.30	81.81	<50	<0.5	<0.5	<0.5	<0.5
RESNA	02/10/93	NLPH	12.34	83.57	<50	<0.5	<0.5	<0.5	<0.5
	05/20/93	NLPH	10.73	85.18	320	<0.5	<0.5	<0.5	<1.0
	06/23/93	NLPH	11.74	84.17	130	<0.5	<0.5	<0.5	<0.5
	08/23/93	NLPH	12.60	83.31	140	<0.5	<0.5	<0.5	1.1
	10/25/93	NLPH	13.86	82.05	75	<0.5	<0.5	0.5	2.4
	02/16/94	NLPH	14.73	81.18	<50	<0.5	<0.5	<0.5	<0.5
MW-3 (97.95)									
EA	05/21/92	NLPH	16.05	81.90	<50	<0.5	<0.5	<0.5	<0.5
RESNA	02/10/93	NLPH	13.77	84.18	<50	<0.5	<0.5	<0.5	0.7
	05/20/93	NLPH	12.32	85.63	<50	<0.5	<0.5	<0.5	<1.0
	06/23/93	NLPH	13.34	84.61	<50	<0.5	<0.5	<0.5	<0.5
	08/23/93	NLPH	14.30	83.65	<50	2.3	1.2	1.4	4.1
	10/25/93#	NLPH	15.62	82.33					
	02/16/94#	NLPH	16.48	81.47					
MW-4 (96.69)									
EA	05/21/92	NLPH	14.59	82.10	<50	<0.5	<0.5	<0.5	<0.5
RESNA	02/10/93	NLPH	12.30	84.39	<50	<0.5	<0.5	<0.5	<0.5
	05/20/93	NLPH	10.75	85.94	<50	1.4	1.0	<0.5	1.8
	06/23/93	NLPH	11.78	84.91	<50	<0.5	<0.5	<0.5	<0.5
	08/23/93	NLPH	12.82	83.87	<50	<0.5	<0.5	<0.5	0.8
	10/25/93#	NLPH	14.10	82.59					
	02/16/94	NLPH	15.02	81.67	<50	<0.5	<0.5	<0.5	<0.5
Maximum Contaminant Levels (DHS, October 1990)					---	1.0	---	680	1,750
Drinking Water Action Level (DHS, October 1990)					---	---	100	---	---

See notes on page 2 of 2.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA AND
RESULTS OF LABORATORY ANALYSES OF GROUNDWATER SAMPLES

Exxon Service Station 7-0210
7840 Amador Valley Boulevard
Dublin, California

Page 2 of 2

Notes:

TOC	=	Elevation of Top of Well Casing, in feet, relative to a common datum: fire hydrant at northwest corner of the site with an arbitrary elevation of 100.00 feet
SUBJ	=	Subjective Evaluation of Water
DTW	=	Depth To Water
Elev.	=	Elevation of groundwater, relative to arbitrary elevation
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using modified EPA method 5030/8015
BTEX	=	Benzene, Toluene, Ethylbenzene, and total Xylenes analyzed using modified EPA method 5030/8020
EA	=	Monitoring by EA Engineering, Science, and Technology
NLPH	=	No Liquid-Phase Hydrocarbons observed
<	=	Less than the indicated detection limit shown by the laboratory
RESNA	=	RESNA Industries Inc. began monitoring and sampling
#	=	Well not sampled on this date
DHS	=	Department of Health Services, State of California
---	=	Not applicable

APPENDIX A
GROUNDWATER SAMPLING PROTOCOL
AND WELL PURGE DATA SHEETS

GROUNDWATER SAMPLING PROTOCOL

The static water level and liquid-phase hydrocarbon level, if present, in each well that contained water and/or liquid-phase hydrocarbons are measured with an ORS Interphase Probe Model No. 106801, 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 wellhead elevations and corrected for product thickness, when necessary, by multiplying product thickness (PT) by a correction factor 0.8 and subtracting from the DTW level (Adjusted DTW = DTW - [PT x 0.8]).

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® 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 liquid-phase hydrocarbons or sheen. Any liquid-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until stabilization of the temperature, pH, and conductivity is obtained, or until a maximum of four well casing volumes are purged. Turbidity measurements are also collected from the purged well water. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". Wells having demonstrated stabilization within purging of four well volumes for at least three consecutive quarters are not monitored for the above parameters. Instead, four well volumes are purged. 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

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 were collected with an Environmental Protection Agency (EPA) approved Teflon® sampler which has been cleaned with Alconox® and deionized water. The groundwater was carefully poured into 40-milliliter (ml) glass vials, which are filled so as to produce a positive meniscus. Each vial is preserved with hydrochloric acid, 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 form, to a California-certified laboratory.

WELL PURGE DATA SHEET

Project Name: Exxon 7-0210

Job No. 130001.20

Date: 2/16/94

Page 1 of 1

Well No. MW-1

Time Started 1545

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1545	Start purging MW-1				
1545	0	63.1	7.10	7.42	
1555	6	64.4	7.27	7.51	
1605	12	65.7	7.09	7.52	2200
1613	14	66.3	7.09	7.51	2200
1623	16	66.6	7.10	7.53	2200
1631	17.5	66.4	7.29	7.51	2200
	Stop purging MW-				

Notes:

Well Diameter (inches) : 4"

Depth to Bottom (feet) : 23.62

Depth to Water - initial (feet) : 14.20

Depth to Water - final (feet) : 16.52

% recovery : 84%

Time Sampled : 1710

Gallons per Well Casing Volume : 5.7

Gallons Purged : 17.5

Well Casing Volume Purged : 3.1

Approximate Pumping Rate (gpm) : hand/air 10

$3.32 \times 65.5 = 5.7$

7.24

WELL PURGE DATA SHEET

Project Name: Exxon 7-0210

Job No. 130001.20

Date: 2/16/94

Page 1 of 1

Well No. MW-2

Time Started 1505

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1505	Start purging MW- 2				
1510	0	62.7	7.78	7.41	
1515	7	63.1	7.57	7.45	
1520	14	64.7	7.46	7.09	>200
1525	16	64.7	7.49	7.16	>200
1530	18	65.1	7.45	7.15	>200
1535	20	65.3	7.48	7.20	>200
	Stop purging MW- 2				

Notes:

Well Diameter (inches) : 4"

Depth to Bottom (feet) : 25.15

Depth to Water - initial (feet) : 14.73

Depth to Water - final (feet) : 14.75

% recovery : 100%

Time Sampled : 1640

Gallons per Well Casing Volume : 6.8

Gallons Purged : 20

Well Casing Volume Purged : 3.0

Approximate Pumping Rate (gpm) : handbailed

10.42 x 6.53 = 68

WELL PURGE DATA SHEET

Project Name: Exxon 7-0210

Job No. 130001.20

Date: 2/16/94

Page 1 of 1

Well No. MW-4

Time Started 1430

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1430	Start purging MW-4				
1435	0	63.2	7.03	7.41	
1440	7	63.7	7.01	7.41	
1445	14	66.6	7.00	7.42	7200
1450	16	65.3	7.17	7.40	1200
1455	18	65.3	7.15	7.46	500
1500	20	66.1	7.14	7.43	200
	Stop purging MW-4				

Notes:

Well Diameter (inches) : 4"

Depth to Bottom (feet) : 25.06

Depth to Water - initial (feet) : 15.06

Depth to Water - final (feet) : 15.10

% recovery : 100%

Time Sampled : 1620

Gallons per Well Casing Volume : 6.6

Gallons Purged : 20

Well Casing Volume Purged : 3.0

Approximate Pumping Rate (gpm) : hand hoico

15.01 x 6.6 = 6.6

APPENDIX B

**LABORATORY ANALYSIS REPORTS
AND CHAIN OF CUSTODY RECORD**

REPORT OF LABORATORY ANALYSIS

RECEIVED

February 25, 1994

Ms. Jeanne Buckthal
RESNA
3315 Almaden Expwy., Ste. 34
San Jose, CA 95118

RE: PACE Project No. 440218.513
Client Reference: Exxon 7-0210 (EE)

Dear Ms. Buckthal:

Enclosed is the report of laboratory analyses for samples received February 18, 1994.

Please note a peak eluting earlier than Benzene and suspected to be methyl tert butyl ether was present in your sample W-16-MW1.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Stephanie Matzo

Stephanie Matzo
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

RESNA
3315 Almaden Expwy., Ste. 34
San Jose, CA 95118

February 25, 1994
PACE Project Number: 440218513

Attn: Ms. Jeanne Buckthal

Client Reference: Exxon 7-0210 (EE)

PACE Sample Number:

70 0249945

Date Collected:

02/16/94

Date Received:

02/18/94

Client Sample ID:

W-15-MW4

Parameter

Units

MDL

DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):

Purgeable Fuels, as Gasoline (EPA 8015M) ug/L

50

-
ND

02/24/94
02/24/94

PURGEABLE AROMATICS (BTXE BY EPA 8020M):

Benzene ug/L

0.5

-
ND

02/24/94
02/24/94

Toluene ug/L

0.5

ND

02/24/94

Ethylbenzene ug/L

0.5

ND

02/24/94

Xylenes, Total

ug/L

0.5

ND

02/24/94

Ms. Jeanne Buckthal
 Page 2

February 25, 1994
 PACE Project Number: 440218513

Client Reference: Exxon 7-0210 (EE)

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:
 Parameter

70 0249953
 02/16/94
 02/18/94
 W-15-MW4R

Units MDL DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	-	02/24/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	ND	02/24/94
Toluene	ug/L	0.5	ND	02/24/94
Ethylbenzene	ug/L	0.5	ND	02/24/94
Xylenes, Total	ug/L	0.5	ND	02/24/94

REPORT OF LABORATORY ANALYSIS

Ms. Jeanne Buckthal
 Page 3

February 25, 1994
 PACE Project Number: 440218513

Client Reference: Exxon 7-0210 (EE)

PACE Sample Number:

70 0249961

Date Collected:

02/16/94

Date Received:

02/18/94

Client Sample ID:

W-14-MW2

Parameter

Units

MDL

DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	-	02/24/94
--	------	----	---	----------

PURGEABLE AROMATICS (BTXE BY EPA 8020M):			ND	02/24/94
--	--	--	----	----------

Benzene	ug/L	0.5	-	02/24/94
---------	------	-----	---	----------

Toluene	ug/L	0.5	ND	02/24/94
---------	------	-----	----	----------

Ethylbenzene	ug/L	0.5	ND	02/24/94
--------------	------	-----	----	----------

Xylenes, Total	ug/L	0.5	ND	02/24/94
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REPORT OF LABORATORY ANALYSIS

Ms. Jeanne Buckthal
 Page 4

February 25, 1994
 PACE Project Number: 440218513

Client Reference: Exxon 7-0210 (EE)

PACE Sample Number: 70 0249988
 Date Collected: 02/16/94
 Date Received: 02/18/94
 Client Sample ID: W-16-MW1

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
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ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	-	02/24/94
--	------	----	---	----------

PURGEABLE AROMATICS (BTXE BY EPA 8020M):			ND	02/24/94
--	--	--	----	----------

Benzene	ug/L	0.5	-	02/24/94
---------	------	-----	---	----------

Toluene	ug/L	0.5	ND	02/24/94
---------	------	-----	----	----------

Ethylbenzene	ug/L	0.5	ND	02/24/94
--------------	------	-----	----	----------

Xylenes, Total	ug/L	0.5	ND	02/24/94
----------------	------	-----	----	----------

These data have been reviewed and are approved for release.

Darrell C. Cain
 Darrell C. Cain
 Regional Director

Ms. Jeanne Buckthal
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FOOTNOTES
for pages 1 through 4

February 25, 1994
PACE Project Number: 440218513

Client Reference: Exxon 7-0210 (EE)

MDL Method Detection Limit
ND Not detected at or above the MDL.

REPORT OF LABORATORY ANALYSIS

Ms. Jeanne Buckthal
 Page 6

QUALITY CONTROL DATA

February 25, 1994
 PACE Project Number: 440218513

Client Reference: Exxon 7-0210 (EE)

PURGEABLE FUELS AND AROMATICS

Batch: 70 28534

Samples: 70 0249945, 70 0249953, 70 0249961, 70 0249988

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700250757	Spike	Spike Recv	Spike Dupl Recv	RPD
Benzene	ug/L	0.5	ND	100	112%	107%	4%
Toluene	ug/L	0.5	ND	100	104%	99%	4%
Ethylbenzene	ug/L	0.5	ND	100	104%	98%	5%
Xylenes, Total	ug/L	0.5	ND	300	104%	97%	6%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Benzene	ug/L	0.5	100	110%	106%	3%
Toluene	ug/L	0.5	100	105%	98%	6%
Ethylbenzene	ug/L	0.5	100	106%	99%	6%
Xylenes, Total	ug/L	0.5	300	108%	98%	9%

Ms. Jeanne Buckthal
Page 7

FOOTNOTES
for page 6

February 25, 1994
PACE Project Number: 440218513

Client Reference: Exxon 7-0210 (EE)

MDL Method Detection Limit
ND Not detected at or above the MDL.
RPD Relative Percent Difference



EXXON COMPANY, U.S.A.

P.O. Box 4415, Houston, TX 77210-4415

CHAIN OF CUSTODY

440218.513

Novato, CA, 11 Digital Drive, 94949
(415) 883-6100

Huntington Beach, CA, 5702 Bolsa Avenue, 92649
(714) 892-2565

Consultant's Name: RISPA Industries Inc Page 1 of 1

Address: 3315 Almaden Expy #34, San Jose Site Location: 78th Almaden Valley Blvd

Project #: _____ Consultant Project #: 132201.20 Consultant Work Release #: _____

Project Contact: Jeanne Buehler Phone #: 408-264-7723 Fax #: 246-2435 Laboratory Work Release #: 09300256

EXXON Contact: Maria Gvensler EE C&M Phone #: 510-246-8716 Fax #: 246-8798 EXXON RAS #: 7-0210

Sampled by (print): Mary Rydale Sampler's Signature: Mary Rydale

Shipment Method: Courier Air Bill #: _____ Shipment Date: _____

TAT: 24 hr 48 hr 72 hr Standard (5 day)

ANALYSIS REQUIRED

Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 8015/8020	TPH/Diesel EPA 8015	TRPH EPA 418.1	HOLD	Sample Condition as Received		COMMENTS
										Temperature ° C:	Cooler #:	
W-15-MW4	1620	Water	HCL	3	29914.5	X						
W-15-MW4R	1620			2	29915.3	X						
N-14-MW2	1640			3	29916.1	X						
W-14-MW2R	1640			2	29917.0				X			
N-16-MW1	1700	+	+	3	29918.8	X						
W-8B	1620			2	29919.6				X			
W-16-MW1R	1700			2	29900.5				X			

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments:
<u>Chris Allen</u>	<u>2/18</u>	<u>1:00</u>	<u>Sancho Briones / Pace</u>	<u>2/18/94</u>	<u>1:00</u>	<u>511</u>
<u>Sancho Briones / Pace</u>	<u>2/18/94</u>	<u>5:50</u>	<u>Stacy P. Hoch / PACE</u>	<u>2/18/94</u>	<u>5:50</u>	

White - Original

Yellow - Exxon

Pink - Lab

Goldenrod - Consultant Field Staff