

42501 Albrae Street, Suite 100  
Fremont, California 94538  
Phone: (510) 440-3300  
FAX: (510) 651-2233

LETTER REPORT  
QUARTERLY GROUNDWATER MONITORING  
Second Quarter 1994

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

130001.20

42501 Albrae Street, Suite 100  
Fremont, California 94538  
Phone: (510) 440-3300  
FAX: (510) 651-2233

June 15, 1994

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

Subject: Quarterly Groundwater Monitoring, Second 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 second 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 April 18, 1994, RESNA measured the depth to water in wells MW-1 through MW-4, and collected groundwater samples from wells MW-1 and MW-2 for laboratory analysis. Monitoring wells MW-1 and MW-2 are sampled each quarter. Monitoring wells MW-3 and MW-4 are sampled on an annual basis during the third quarter because of their history of non-detected hydrocarbon levels. RESNA's groundwater sampling protocol and well purge data sheets are in Appendix A, Groundwater Sampling Protocol and Well Purge Data Sheets.

Neither sheen nor liquid-phase hydrocarbons were observed in samples from the wells. Based on April 18, 1994, depth to water measurements, groundwater elevations at the site have increased approximately 0.4 foot in wells MW-1, MW-2 and MW-4, and decreased approximately 0.1 foot in well MW-3 since last quarter. The groundwater beneath the site appears to be flowing towards the south with a hydraulic gradient of approximately 0.005 (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. Results of laboratory analysis of groundwater samples are shown on Plate 2, and are summarized in Table 1. Selected analytical results are summarized below if the concentrations detected are greater than the method detection limit (MDL) for TPHg; the California Department of Health (DHS) maximum contaminant levels (MCLs) for benzene, ethylbenzene, or total xylenes; and the DHS drinking water action level (DWAL) for toluene, as listed in Table 1.

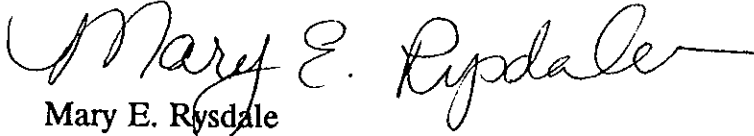
- Concentrations of TPHg were greater than the MDL in well MW-1.

### **LIMITATIONS**

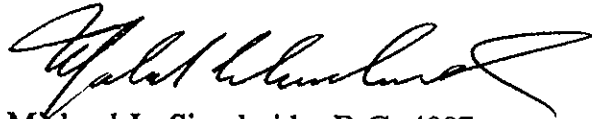
This report was prepared in accordance with generally accepted standards of environmental geological practice in California at the time this investigation was performed. This report has been prepared for Exxon Company U.S.A. and any reliance on this report by third parties shall be at such party's sole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

If you have any questions or comments regarding this report, please call (510) 440-3300.

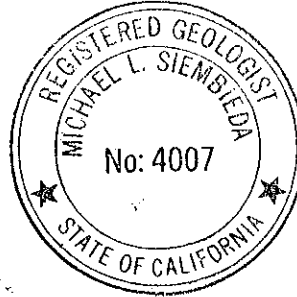
Sincerely,  
RESNA Industries Inc.



Mary E. Rysdale  
Geologic Technician



Michael L. Siembeida, R.G. 4007  
Geoscience Manager



- Attachments:
- 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

**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

October 12, 1994

ALSO  
HAZMAT

94 OCT 13 PM 4:10

Ms. Eva Chu  
Alameda County Health Agency  
Division of Hazardous Materials  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

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

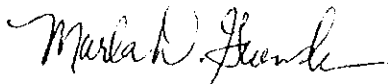
Dear Ms. Chu:

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

Please note that the environmental project file for this site has been transferred to EA Engineering, Science, and Technology, of Lafayette, California. Future report submittals will be expedited. Exxon apologizes for the delay of the submittal of the attached report.

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 June 15, 1994

cc: w/enclosure:

Mr. Sum Arigalia - San Francisco Bay RWQCB

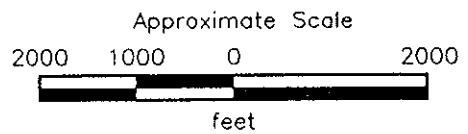
Mr. Jerry Killingstad - Alameda County Flood Control and Water Conservation District

845-355





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



**RESNA**  
 Working to Restore Nature

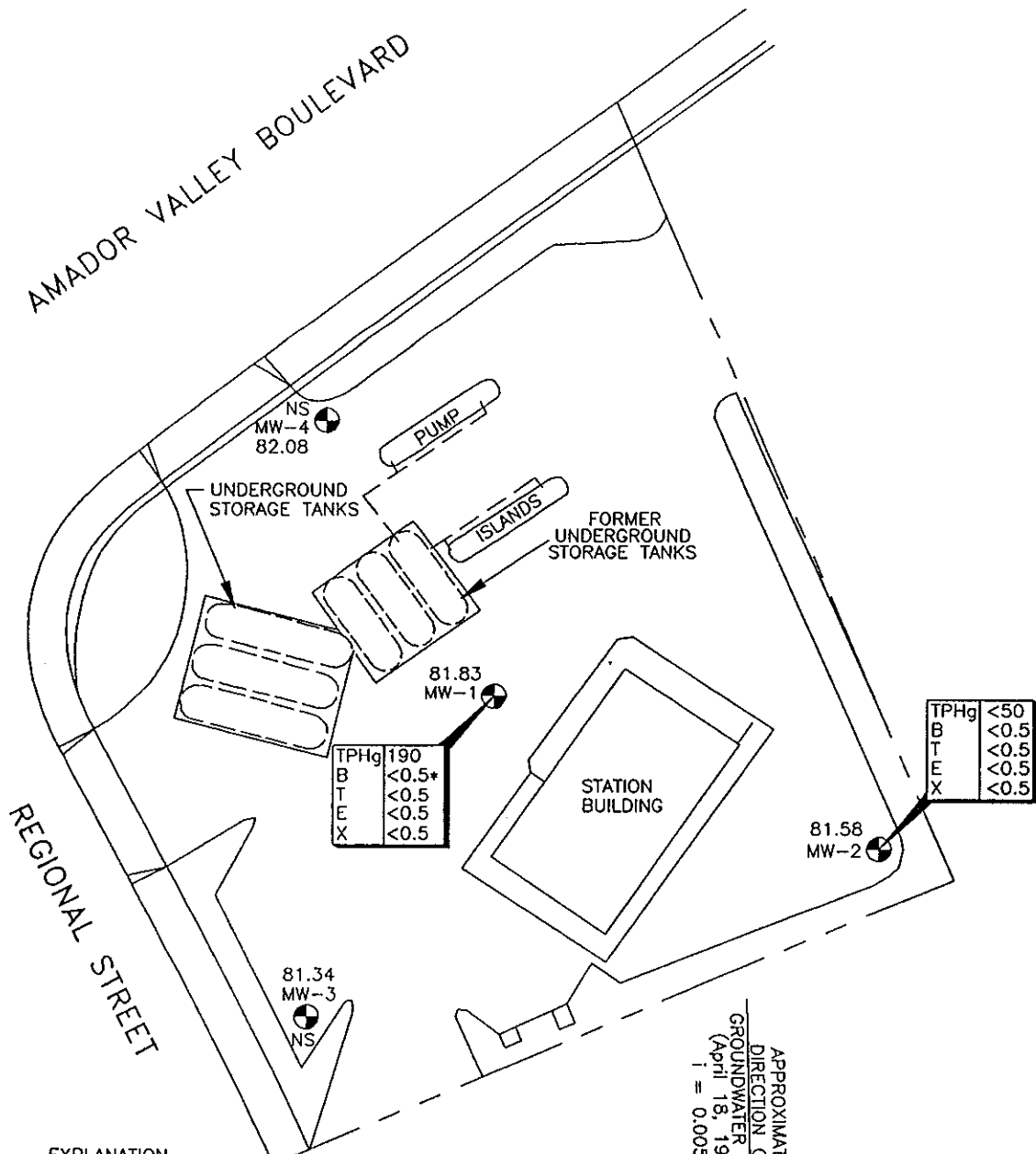
PROJECT 130001.20

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

PLATE

1

AMADOR VALLEY BOULEVARD



**EXPLANATION**

MW-4 = Groundwater monitoring well

TPHg	190
B	<0.5*
T	<0.5
E	<0.5
X	<0.5

= Concentrations of gasoline hydrocarbons in groundwater in parts per billion, April 18, 1994

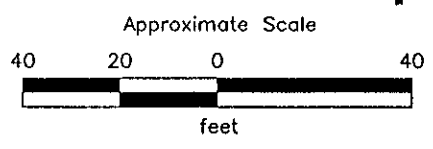
NS = Not sampled

82.08 = Elevation of groundwater in feet relative to common datum of 100 feet, April 18, 1994

i = Magnitude of hydraulic gradient

\* = A peak eluting earlier than benzene and suspected to be Methyl Tert Butyl Ether (MTBE) was present

APPROXIMATE  
DIRECTION OF  
GROUNDWATER FLOW  
(April 18, 1994)  
i = 0.005



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

30001-14

**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	0.6
	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	83.60	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
	04/16/94	NLPH	14.49	81.83	190	<0.5*	<0.5	<0.5	<0.5
MW-2 (95.91)									
EA	05/21/92	NLPH	14.30	81.61	<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
	04/16/94	NLPH	14.33	81.58	<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					
	04/16/94#	NLPH	16.61	81.34					
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
	04/16/94#	NLPH	14.61	82.08					

See notes on page 2 of 2.



**TABLE 1**  
**CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA**

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

Page 2 of 2

Well ID # (TOC)	Sampling Date	SUBJ < . . . . .	DTW feet . . . . .	Elev. >	TPHg < . . . . .	B	T	E	X
					parts per billion . . . . . >				
Maximum Contaminant Levels (DHS, October 1990)					---	1.0	---	680	1,750
Drinking Water Action Level (DHS, October 1990)					---	---	100	---	---

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
- \* = A peak eluting earlier than benzene and suspected to be Methyl Tert Butyl Ether (MTBE) was present in this sample
- 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: 4/18/94

Page 1 of 1

Well No. MW-1

Time Started 1600  
x 100

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
1600	Start purging MW-				
1600	0	68.9	7.30	2.50	42.1
1606	6	68.5	7.22	2.53	>200
1612	12	68.6	7.20	2.94	>200
1614	14	68.7	7.19	2.54	>200
1628	16	68.7	7.16	2.33	>200
1630	18	68.9	7.19	2.53	>200
	Stop purging MW-				

Notes:

Well dry  
at 14 gallons,  
let recharge  
well dry at  
18 gallons

Well Diameter (inches) : 4  
 Depth to Bottom (feet) : 23.69  
 Depth to Water - initial (feet) : 14.49  
 Depth to Water - final (feet) : 16.33  
 % recovery : 80  
 Time Sampled : 1715  
 Gallons per Well Casing Volume : 6.01  
 Gallons Purged : 18  
 Well Casing Volume Purged : 3.0  
 Approximate Pumping Rate (gpm) : 13gpm

$$9.2 \times .653 = 6.01$$

WELL PURGE DATA SHEET

Project Name: Exxon 7-0210

Job No. 130061.20

Date: 4/18/94

Page 1 of 1

Well No. MW-2

Time Started \_\_\_\_\_

x 100

TIME (hr)	GALLONS (cum.)	TEMP. (F)	pH	CONDUCT. (micromho)	TURBIDITY (NTU)
Start purging MW-2					
1528	0	70.2	6.82	2.17	226
1535	7	69.0	7.18	2.17	> 200
1542	14	67.6	7.05	2.17	> 200
1545	<del>17</del>	67.2	6.94	2.17	> 200
1547	<del>19</del>	67.8	6.94	2.17	> 200
1550	21	67.7	6.96	2.17	> 200
Stop purging MW-2					

Notes:

Well Diameter (inches) : 4

Depth to Bottom (feet) : 25.12

Depth to Water - initial (feet) : 14.33

Depth to Water - final (feet) : 14.34

% recovery :

Time Sampled :

Gallons per Well Casing Volume : 7.05

Gallons Purged : 21.0

Well Casing Volume Purged : 3.0

Approximate Pumping Rate (gpm) : 1 gpm

$$10.79 \times .653 = 7.05$$

**APPENDIX B**

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

April 25, 1994

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

RE: PACE Project No. 440419.517  
Client Reference: Exxon 7-0210 (EE)

Dear Ms. Buckthal:

Enclosed is the report of laboratory analyses for samples received April 19, 1994.

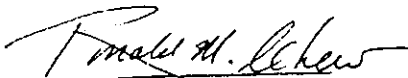
Please note that when analyzing the following sample a peak eluting earlier than Benzene and suspected to be Methyl Tert Butyl Ether (MTBE) was present:

<u>Client ID</u>	<u>PACE Sample #</u>
W-16-MW1	700306051

Footnotes are given at the end of the report.

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

Sincerely,



for Stephanie Matzo  
Project Manager

Enclosures

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

April 25, 1994  
 PACE Project Number: 440419517

Attn: Ms. Jeanne Buckthal

Client Reference: Exxon 7-0210 (EE)

PACE Sample Number: 70 0306035  
 Date Collected: 04/18/94  
 Date Received: 04/19/94  
 Client Sample ID: W-14-MW2

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
------------------	--------------	------------	----------------------

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/22/94
-----------------------------------	--	--	---	----------

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/22/94
--	------	----	----	----------

PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/22/94
--	--	--	---	----------

Benzene	ug/L	0.5	ND	04/22/94
---------	------	-----	----	----------

Toluene	ug/L	0.5	ND	04/22/94
---------	------	-----	----	----------

Ethylbenzene	ug/L	0.5	ND	04/22/94
--------------	------	-----	----	----------

Xylenes, Total	ug/L	0.5	ND	04/22/94
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Ms. Jeanne Buckthal  
 Page 2

April 25, 1994  
 PACE Project Number: 440419517

Client Reference: Exxon 7-0210 (EE)

PACE Sample Number: 70 0306043  
 Date Collected: 04/18/94  
 Date Received: 04/19/94  
 Client Sample ID: MW1R

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
------------------	--------------	------------	----------------------

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):			-	04/21/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/21/94
<u>PURGEABLE AROMATICS (BTXE BY EPA 8020M):</u>			-	04/21/94
Benzene	ug/L	0.5	ND	04/21/94
Toluene	ug/L	0.5	ND	04/21/94
Ethylbenzene	ug/L	0.5	ND	04/21/94
Xylenes, Total	ug/L	0.5	ND	04/21/94

Ms. Jeanne Buckthal  
 Page 3

April 25, 1994  
 PACE Project Number: 440419517

Client Reference: Exxon 7-0210 (EE)

PACE Sample Number:

70 0306051

Date Collected:

04/18/94

Date Received:

04/19/94

Client Sample ID:

W-16-MW1

Parameter

Units

MDL

DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS

TOTAL FUEL HYDROCARBONS, (LIGHT):

Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	-	04/21/94
--	------	----	---	----------

PURGEABLE AROMATICS (BTXE BY EPA 8020M):			-	04/21/94
--	--	--	---	----------

Benzene	ug/L	0.5	ND	04/21/94
---------	------	-----	----	----------

Toluene	ug/L	0.5	ND	04/21/94
---------	------	-----	----	----------

Ethylbenzene	ug/L	0.5	ND	04/21/94
--------------	------	-----	----	----------

Xylenes, Total	ug/L	0.5	ND	04/21/94
----------------	------	-----	----	----------

These data have been reviewed and are approved for release.

*Darrell C. Cain*

Darrell C. Cain  
 Regional Director

Ms. Jeanne Buckthal  
Page 4

FOOTNOTES  
for pages 1 through 3

April 25, 1994  
PACE Project Number: 440419517

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 5

QUALITY CONTROL DATA

April 25, 1994  
 PACE Project Number: 440419517

Client Reference: Exxon 7-0210 (EE)

PURGEABLE FUELS AND AROMATICS  
 Batch: 70 29856  
 Samples: 70 0306043, 70 0306051

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	700306248	Spike	Spike Recv	Spike Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	1000	85%	82%	4%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1000	94%	86%	9%

**REPORT OF LABORATORY ANALYSIS**

Ms. Jeanne Buckthal  
 Page 6

QUALITY CONTROL DATA

April 25, 1994  
 PACE Project Number: 440419517

Client Reference: Exxon 7-0210 (EE)

PURGEABLE FUELS AND AROMATICS

Batch: 70 29859  
 Samples: 70 0306035

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	700304962	Spike	Spike Recv	Spike Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	1000	97%	108%	11%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	1000	110%	108%	2%

Ms. Jeanne Buckthal  
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FOOTNOTES  
for pages 5 through 6

April 25, 1994  
PACE Project Number: 440419517

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

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

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

940417.517

Consultant's Name: RESNA Industries Inc. Page 1 of 1  
 Address: 3319 Almaden Expy #34, SJCA Site Location: 7840 Amador Villy Rd Du  
 Project #: 130001.20 Consultant Project #: \_\_\_\_\_ Consultant Work Release #: 09300256  
 Project Contact: Deanne Buckthal Phone #: 408-264-7723 Fax #: 264-2435 Laboratory Work Release #: \_\_\_\_\_  
 EXXON Contact: M. Guensler  EE  C&M Phone #: 510-246-8776 Fax #: \_\_\_\_\_ EXXON RAS #: 7-0210  
 Sampled by (print): Mary Rysdale 4/18/94 Sampler's Signature: Mary Rysdale  
 Shipment Method: Courier Per Label Air Bill #: \_\_\_\_\_ Shipment Date: 4/19/94

TAT: <input type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 72 hr <input checked="" type="checkbox"/> Standard (5 day)						ANALYSIS REQUIRED										Sample Condition as Received Temperature ° C: _____ Cooler #: _____ Inbound Seal Yes No Outbound Seal Yes No					
Sample Description	Collection Date/Time	Matrix Soil/Water	Prsv	# of Cont	PACE Sample #	TPH/GAS/BTEX EPA 801.5/8020	TPH/Diesel EPA 801.5	TPRH EPA 418.1	HOLD												COMMENTS
SB	1645	H <sub>2</sub> O	HCO	2	30601.9				X												
MWZR	1645			2	30602.7				X												
W-14-MWZ	1700			3	30603.5	X															
MWIR	1645			2	30604.3	X															
W-16-MW	1715			3	30605.1	X															

Relinquished by/Affiliation	Date	Time	Accepted by/Affiliation	Date	Time	Additional Comments:
<u>Mary Rysdale - RESNA</u>	<u>4/19/94</u>	<u>9 AM</u>	<u>Ed Hall - Res</u>	<u>4/19/94</u>	<u>1415</u>	<u>10/4</u>
<u>Ed Hall - Res</u>	<u>4/19</u>	<u>1500</u>	<u>Jean McHugh - Res</u>	<u>4/19/94</u>	<u>1800</u>	