

ALCO
HAZMAT
95 FEB 23 PM 1:01



**Report of Quarterly Sampling and Analysis
Exxon Retail Site 7-0210
7840 Amador Valley Boulevard
Dublin, California**

Prepared for

Exxon Company, U.S.A.

Prepared by

EA Engineering, Science, and Technology

January 1995

83A02.10.1302

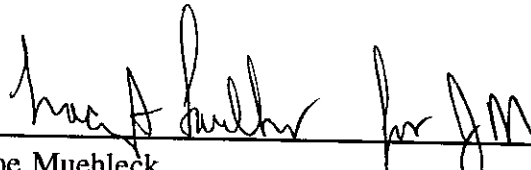
Report of Quarterly Sampling and Analysis
Exxon Retail Site 7-0210
7840 Amador Valley Boulevard
Dublin, California

Prepared for

Exxon Company, U.S.A.
2300 Clayton Road, Suite 490
Concord, California 94520

Prepared by

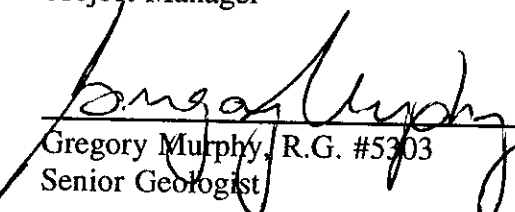
EA Engineering, Science, and Technology
3468 Mt. Diablo Boulevard, Suite B-100
Lafayette, California 94549
(510) 283-7077



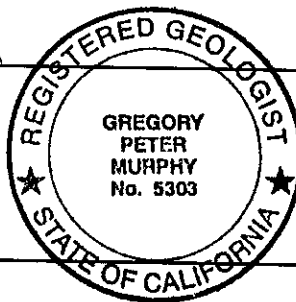
Joe Muehleck
Project Manager

1/27/95

Date



Gregory Murphy, R.G. #5303
Senior Geologist



1/27/95

Date

January 1995

SITE CONTACTS

Site Name: Exxon Retail Site 7-0210

Site Address: 7840 Amador Valley Boulevard
Dublin, California

Site Business Owner: Shih Hsiung

Site Business Phone: (510) 829-7218

Exxon Project Manager: Marla D. Guensler
Exxon Company, U.S.A.
2300 Clayton Road, Suite 490
Concord, California 94520
(510) 246-8776

Consultant to Exxon: EA Engineering, Science, and Technology
3468 Mt. Diablo Boulevard, Suite B-100
Lafayette, California 94549
(510) 283-7077

EA Project Manager: Joe Muehleck

EA Program Director: Tracy A. Faulkner

Regulatory Oversight: Eva Chu
Alameda County Health Care Service
80 Swan Way, Room 200
Oakland, California 94621
(510) 271-4530

1. INTRODUCTION

Exxon Retail Site (RS) 7-0210 is an active service station located at 7840 Amador Valley Boulevard, Dublin, California, on the southeast corner of the intersection of Amador Valley Boulevard and Regional Street. The station has three operating underground storage tanks (USTs) located approximately 40 feet west of the pump islands. Three former underground storage tanks were located in between the current tank locations and the pump islands.

On 4 January 1995, groundwater in wells MW1–MW4 (Figure 1) was monitored for liquid-phase hydrocarbons (LPH), using an optical interface probe. Groundwater samples were collected from the wells, and the samples were analyzed for petroleum hydrocarbons.

2. SUMMARY OF RESULTS

On 4 January 1995, the depth to water in wells MW1–MW4 was measured. The depth to water ranged from 14.44 feet to 16.29 feet below ground surface. Groundwater elevations have risen approximately 1.03 feet since the previous gauging of 5 October 1994. The groundwater flow direction is to the southeast with a magnitude of 0.003, consistent with previous gauging data (Figure 1). The gauging data and calculated groundwater elevations are presented in boldface type in Table 1, along with previous gauging data. The field documents are included as Appendix A.

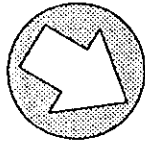
After the depths to water were measured, each well was purged with a 2-inch vacuum pump. Field parameters of temperature and electrical conductance of the purged water were measured for approximately every well casing volume during purging. When the field parameters were stable (less than 10 percent change from the previous reading for temperature and electrical conductance) and at least three casing volumes had been removed from each well, purging was stopped and samples collected. Samples were collected using factory-cleaned polyethylene disposable bailers that were tripled-rinsed prior to collecting each sample. The samples were poured into 40-ml VOA vials, which were then placed in an ice-filled sample cooler. A field-prepared sampling equipment rinse blank and a laboratory-prepared trip blank were stored and transported in the cooler with the groundwater samples. All samples were handled and transported under standard chain-of-custody procedures.

The samples were submitted to Curtis & Tompkins, Ltd., and analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g) by Cal EPA-modified EPA Method 8015 and for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020. TPH-g and BTEX were not detected in samples from MW1–MW4 at concentrations equal to or greater than method detection limits. The analytical results for the 4 January 1995 quarterly groundwater sampling are presented in boldface type in Table 1, along with previous analytical results. The distribution of petroleum hydrocarbons is shown in Figure 1. The laboratory analytical report and chain-of-custody documentation are included as Appendix B.

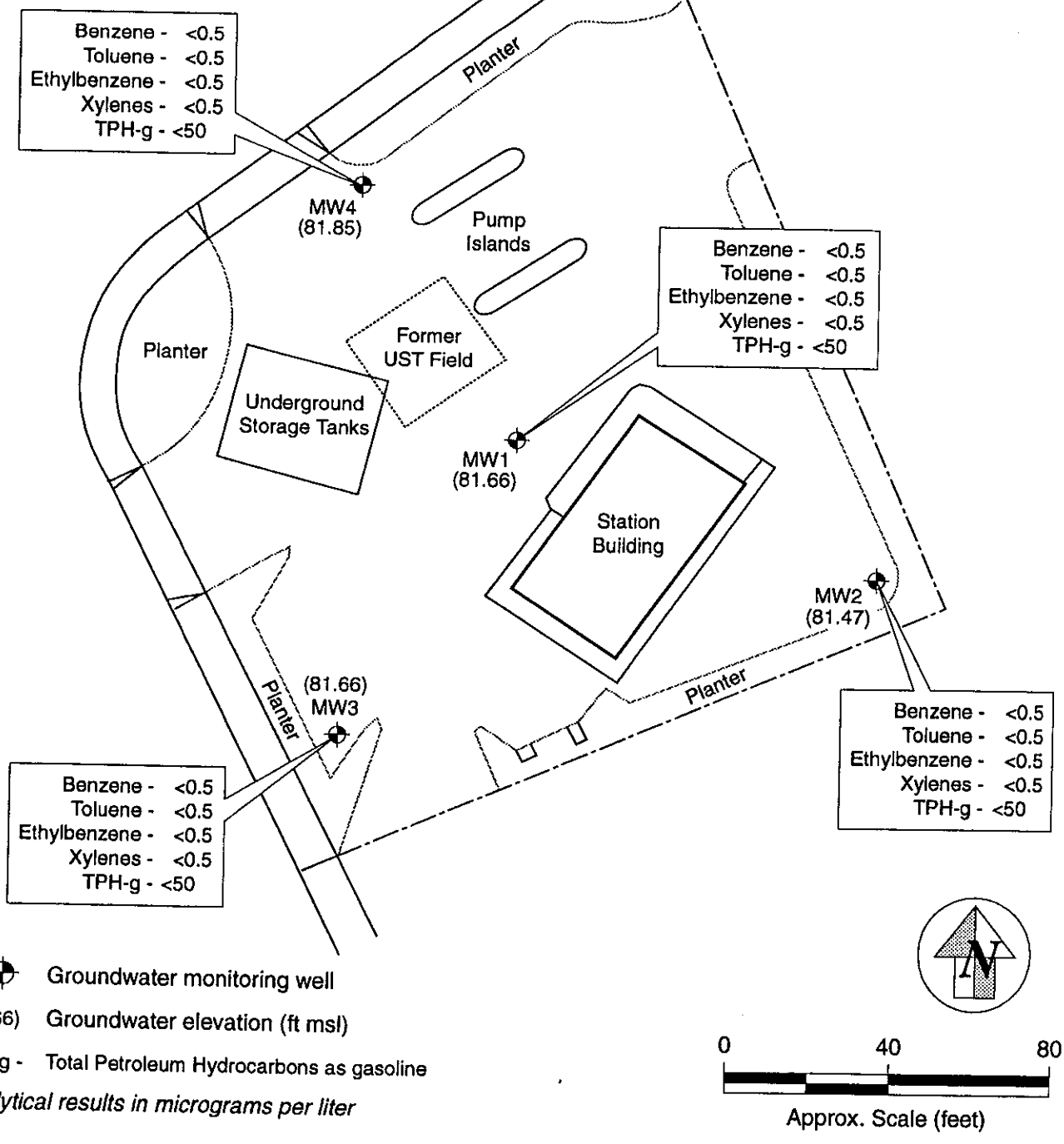
3. **WORK PROPOSED FOR NEXT QUARTER**


Groundwater from MW1–MW4 will be sampled in April 1995 and analyzed for TPH-g and BTEX.

Figures



Approximate
Groundwater
Flow Direction
Groundwater Gradient = 0.003



 Groundwater monitoring well
 (81.66) Groundwater elevation (ft msl)
 TPH-g - Total Petroleum Hydrocarbons as gasoline
Analytical results in micrograms per liter

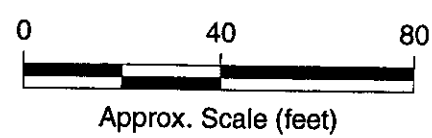


Figure 1. Groundwater monitoring well locations, approximate groundwater flow direction, and analytical results, Exxon RS 7-0210, Dublin, California, 4 January 1995.

| | | | |
|----------|------------|------|---------|
| Drawn | MAP | Date | 1/13/95 |
| Reviewed | | Date | |
| Rev | | Date | |
| Final | <i>MAP</i> | Date | 1/27/95 |

Tables

TABLE 1 GAUGING DATA AND ANALYTICAL RESULTS, EXXON RS 7-0210, DUBLIN, CALIFORNIA, 1992-1995

| Well No. | Date | Casing Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) | LPH Thickness (ft) | Concentration (µg/L) | | | | |
|----------|----------|---------------------------|---------------------|--------------------------------|--------------------|----------------------|---------|---------------|---------|-------|
| | | | | | | Benzene | Toluene | Ethyl-benzene | Xylenes | TPH-g |
| MW1 | 05/21/92 | 96.32 | 14.45 | 81.87 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 02/10/93 | | 12.22 | 84.10 | 0.00 | 3.1 | <0.5 | 1.8 | 0.6 | 2,600 |
| | 05/20/93 | | 10.74 | 85.58 | 0.00 | 1.9 | <0.5 | 1.8 | <1.0 | 1,000 |
| | 06/23/93 | | 11.74 | 84.58 | 0.00 | 1.0 | <0.5 | 1.2 | <0.5 | 1,300 |
| | 08/23/93 | | 12.72 | 83.60 | 0.00 | <0.5 | <0.5 | <0.5 | 0.8 | 80 |
| | 10/25/93 | | 13.99 | 82.33 | 0.00 | <0.5 | <0.5 | 0.8 | 1.3 | 140 |
| | 02/16/94 | | 14.90 | 81.42 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 04/16/94 | | 14.49 | 81.83 | 0.00 | <0.5 * | <0.5 | <0.5 | <0.5 | <50 |
| | 07/26/94 | | 15.11 | 81.21 | 0.00 | <0.5 * | <0.5 | <0.5 | <0.5 | 190 |
| | 10/05/94 | | 15.69 | 80.63 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | 130 |
| | 01/04/95 | | 14.66 | 81.66 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| MW2 | 05/21/92 | 95.91 | 14.30 | 81.61 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 02/10/93 | | 12.34 | 83.57 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 05/20/93 | | 10.73 | 85.18 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 06/23/93 | | 11.74 | 84.17 | 0.00 | <0.5 | <0.5 | <0.5 | <1.0 | 320 |
| | 08/23/93 | | 12.60 | 83.31 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | 130 |
| | 10/25/93 | | 13.86 | 82.05 | 0.00 | <0.5 | <0.5 | <0.5 | 1.1 | 140 |
| | 02/16/94 | | 14.73 | 81.18 | 0.00 | <0.5 | <0.5 | 0.5 | 2.4 | 75 |
| | 04/16/94 | | 14.33 | 81.58 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 07/26/94 | | 14.96 | 80.95 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 10/05/94 | | 15.49 | 80.42 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 01/04/95 | | 14.44 | 81.47 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| MW3 | 05/21/92 | 97.95 | 16.05 | 81.90 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 02/10/93 | | 13.77 | 84.18 | 0.00 | <0.5 | <0.5 | <0.5 | 0.7 | <50 |
| | 05/20/93 | | 12.32 | 85.63 | 0.00 | <0.5 | <0.5 | <0.5 | <1.0 | <50 |
| | 06/23/93 | | 13.34 | 84.61 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 08/23/93 | | 14.30 | 83.65 | 0.00 | 2.3 | 1.2 | 1.4 | 4.1 | <50 |
| | 10/25/93 | | 15.62 | 82.33 | 0.00 | NS | NS | NS | NS | NS |
| | 02/16/94 | | 16.48 | 81.47 | 0.00 | NS | NS | NS | NS | NS |
| | 04/16/94 | | 16.61 | 81.34 | 0.00 | NS | NS | NS | NS | NS |

TABLE I (continued)

| Well No. | Date | Casing Elevation (ft msl) | Depth to Water (ft) | Groundwater Elevation (ft msl) | LPH Thickness (ft) | Concentration (µg/L) | | | | |
|-------------|------------|---------------------------|---------------------|--------------------------------|--------------------|----------------------|---------|---------------|---------|-------|
| | | | | | | Benzene | Toluene | Ethyl-benzene | Xylenes | TPH-g |
| MW3 | 07/26/94 | 97.95 | 16.72 | 81.23 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 10/05/94 | | 17.33 | 80.62 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 01/04/95 | | 16.29 | 81.66 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| MW4 | 05/21/92 | 96.69 | 14.59 | 82.10 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 02/10/93 | | 12.30 | 84.39 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 05/20/93 | | 10.75 | 85.94 | 0.00 | 1.4 | 1.0 | <0.5 | 1.8 | <50 |
| | 06/23/93 | | 11.78 | 84.91 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 08/23/93 | | 12.82 | 83.87 | 0.00 | <0.5 | <0.5 | <0.5 | 0.8 | <50 |
| | 10/25/93 | | 14.10 | 82.59 | 0.00 | NS | NS | NS | NS | NS |
| | 02/16/94 | | 15.02 | 81.67 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 04/16/94 | | 14.61 | 82.08 | 0.00 | NS | NS | NS | NS | NS |
| | 07/26/94 | | 15.23 | 81.46 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | 10/05/94 | | 15.85 | 80.84 | 0.00 | <0.5 | 12 | <0.5 | <0.5 | <50 |
| | 01/04/95 | | 14.84 | 81.85 | 0.00 | <0.5 | <0.5 | <0.5 | <0.5 | <50 |
| | Trip Blank | | 01/04/95 | | | | | <0.5 | <0.5 | <0.5 |
| Rinse Blank | 01/04/95 | | | | | <0.5 | <0.5 | <0.5 | <0.5 | <50 |

* A peak eluting earlier than benzene, suspected to be methyl tertiary butyl ether (MTBE).

NS Not sampled.

Appendix A
Field Documents

FIELD SUMMARY REPORT

Client and Station #: Exxon 7-0210

EA Project #: 8370210-1307

Sample Team: K Legge

Date: 1.4.95

Number of Drums on Site: Water 2 Soil 0 Empty 2

Summary:

all wells were opened and
water levels stabilized for 15 min
all wells were purged, purged
and sampled as per work order
and protocol.
No problems were encountered
on site.

John



GROUNDWATER PURGE AND SAMPLE FORM

Date: 1.4.95

Project Name: EXXON

Well Number: MW1

Project Number: 83R0210 1468

Personnel: K Legge

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

| WELL VOLUME CALCULATION | Total Depth (feet) | Depth To Water (feet) | Water Column (feet) | Multiplier For Casing Diameter | | | Casing Volume (gal) | Total Req'd Purge Volume (gal) |
|-------------------------|--------------------|-----------------------|---------------------|--------------------------------|------|------|---------------------|--------------------------------|
| | | 236.5 | 146.6 | 9.99 | 2 | 4 | 6 | 5.7 |
| | | | | 0.16 | 0.64 | 1.44 | | |

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 3 GPM

| Time | 1044 | 1046 | 1048 | 1050 | | | | |
|-------------------------------|------------|-----------|------|------|--|--|--|--|
| Volume Purged (gal) | 0 | 6 | 17 | 18 | | | | |
| Temperature (°C) | 16° | 16° | 16° | 16° | | | | |
| pH | 7.5 | 7.5 | 7.5 | 7.5 | | | | |
| Specific Conductivity (µmhos) | 1050 | 1050 | 1050 | 1050 | | | | |
| Turbidity / Color | low / 11.5 | low / CLR | | | | | | |
| Odor | n | n | n | n | | | | |
| Casing Volumes Removed | 0 | 1 | 2 | 3 | | | | |
| Dewatered? | n | n | n | n | | | | |

Comments/Observations:

SAMPLING DATA

Time Sampled: 1054 Approx. Depth to Water During Sampling: 18 ft

Comments:

| Sample Number | Number of Containers | Container Type | Preservative | Volume Filled (ml or l) | Turbidity | Color | Shipped Under Chain of Custody at 4°C (Y/N) | Analysis Method | Comments |
|---------------|----------------------|----------------|--------------|-------------------------|-----------|-------|---|-----------------|----------|
| | 3 | Voa | Hcl | 40ml | L | C | yes | TPH 9 BTEX | N- |
| | | | | | | | | | |
| | | | | | | | | | |

Total Purge Volume: 18 gals

Disposal/Containment Method: DRUMS ON SITE

Weather Conditions: Cold

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.): XI

Problems Encountered During Purging and Sampling: N

Comments: N



GROUNDWATER PURGE AND SAMPLE FORM

Date: 1.4.95

Project Name: EXXON

Well Number: MW 2

Project Number: 83A0210 1468

Personnel: K Legg

GAUGING DATA

Water Level Measuring Method: Interface Probe

Measuring Point Description: TOC

| WELL VOLUME CALCULATION | Total Depth (feet) | Depth To Water (feet) | Water Column (feet) | Multiplier For Casing Diameter | | | Casing Volume (gal) | Total Rec'd Purge Volume (gal) |
|-------------------------|--------------------|-----------------------|---------------------|--------------------------------|----------|----------|---------------------|--------------------------------|
| | | <u>2516</u> | <u>1444</u> | <u>10.6</u> | <u>2</u> | <u>4</u> | <u>6</u> | <u>1.8</u> |
| | | | | 0.16 | 0.64 | 1.44 | | |

PURGING DATA

Purge Method: Vacuum Truck

Purge Depth: Screen

Purge Rate: 3.5 gpm

| Time | 1055 | 1057 | 1059 | 1100 | | | | |
|-------------------------------|-------------|-------------|-------------|-------------|--|--|--|--|
| Volume Purged (gal) | <u>0</u> | <u>7</u> | <u>14</u> | <u>21</u> | | | | |
| Temperature (°C) | <u>16°</u> | <u>16°</u> | <u>16°</u> | <u>16°</u> | | | | |
| pH | <u>7.4</u> | <u>7.4</u> | <u>7.4</u> | <u>7.4</u> | | | | |
| Specific Conductivity (µmhos) | <u>1000</u> | <u>1050</u> | <u>1050</u> | <u>1050</u> | | | | |
| Turbidity / Color | <u>Low</u> | <u>Low</u> | <u>Low</u> | <u>Low</u> | | | | |
| Odor | <u>N</u> | <u>N</u> | <u>N</u> | <u>N</u> | | | | |
| Casing Volumes Removed | <u>0</u> | <u>1</u> | <u>2</u> | <u>3</u> | | | | |
| Dewatered? | <u>N</u> | <u>N</u> | <u>N</u> | <u>N</u> | | | | |

Comments/Observations:

SAMPLING DATA

Time Sampled: 1105

Approx. Depth to Water During Sampling: 18 ft

Comments:

| Sample Number | Number of Containers | Container Type | Preservative | Volume Filled (ml or l) | Turbidity | Color | Shipped Under Chain of Custody at 4°C (Y/N) | Analysis Method | Comments |
|---------------|----------------------|----------------|--------------|-------------------------|-----------|----------|---|-----------------------|-----------|
| | <u>3</u> | <u>Voa</u> | <u>Hcl</u> | <u>40ml</u> | <u>L</u> | <u>C</u> | <u>yes</u> | <u>TPH & BTEX</u> | <u>N-</u> |
| | | | | | | | | | |
| | | | | | | | | | |

Total Purge Volume: 21 gal.

Disposal/Containment Method: DRUMS ON SITE

Weather Conditions: Cold

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.): N

Problems Encountered During Purging and Sampling: N

Comments: N



GROUNDWATER PURGE AND SAMPLE FORM

Date: 1.4.95

Project Name: EXXON

Well Number: MW 3

Project Number: 83R0210 1468

Personnel: K. Legett

GAUGING DATA

Water Level Measuring Method: Interface Probe

Measuring Point Description: TOC

| WELL VOLUME CALCULATION | Total Depth (feet) | Depth To Water (feet) | Water Column (feet) | Multiplier For Casing Diameter | | | Casing Volume (gal) | Total Req'd Purge Volume (gal) |
|-------------------------|--------------------|-----------------------|---------------------|--------------------------------|------|------|---------------------|--------------------------------|
| | | 2765 | 1629 | 113 | 2 | 4 | 6 | 7.2 |
| | | | | 0.16 | 0.64 | 1.44 | | |

PURGING DATA

Purge Method: Vacuum Truck

Purge Depth: Screen

Purge Rate: 3.5 gpm

| Time | 1023 | 1025 | 1028 | 1030 | | | |
|-------------------------------|------|------|------|------|--|--|--|
| Volume Purged (gal) | 0 | 7 | 14 | 22 | | | |
| Temperature (°C) | 16° | 16° | 16° | 16° | | | |
| pH | 7.7 | 7.6 | 7.6 | 7.7 | | | |
| Specific Conductivity (µmhos) | 975 | 975 | 975 | 1000 | | | |
| Turbidity / Color | low | | | | | | |
| Odor | H | n | n | n | | | |
| Casing Volumes Removed | 0 | 1 | 2 | 3 | | | |
| Dewatered? | 14 | n | n | n | | | |

Comments/Observations:

SAMPLING DATA

Time Sampled: 1033

Approx. Depth to Water During Sampling: 20ft

Comments:

| Sample Number | Number of Containers | Container Type | Preservative | Volume Filled (ml or l) | Turbidity | Color | Shipped Under Chain of Custody at 4°C (Y/N) | Analysis Method | Comments |
|---------------|----------------------|----------------|--------------|-------------------------|-----------|-------|---|-----------------|----------|
| | 3 | Voa | Hcl | 40ml | L | C | yes | TPH 9 BTEX | N- |
| | | | | | | | | | |
| | | | | | | | | | |

Total Purge Volume: 22 gal

Disposal/Containment Method: DRUMS ON SITE

Weather Conditions: Cold

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.): X

Problems Encountered During Purging and Sampling: N

Comments: N



GROUNDWATER PURGE AND SAMPLE FORM

Date: 1.4.95

Project Name: Exxon

Well Number: MW 4

Project Number: 83B0210 1468

Personnel: K Legee

GAUGING DATA

Water Level Measuring Method: Interface Probe

Measuring Point Description: TOC

| WELL VOLUME CALCULATION | Total Depth (feet) | Depth To Water (feet) | Water Column (feet) | Multiplier For Casing Diameter | | | Casing Volume (gal) | Total Req'd Purge Volume (gal) |
|-------------------------|--------------------|-----------------------|---------------------|--------------------------------|------|------|---------------------|--------------------------------|
| | 2500 | 1484 | 10.1 | 2 | 4 | 6 | 6.5 | 19.5 |
| | | | | 0.16 | 0.64 | 1.44 | | |

PURGING DATA

Purge Method: Vacuum Truck

Purge Depth: Screen

Purge Rate: 4 gpm

| Time | 1035 | 1036 | 1038 | 1040 | | | | |
|-------------------------------|------------|------------|------------|------------|--|--|--|--|
| Volume Purged (gal) | 0 | 1.5 | 13.0 | 19.5 | | | | |
| Temperature (°C) | 11.0 | 11.0 | 16.0 | 16.0 | | | | |
| pH | 7.0 | 7.5 | 7.5 | 7.5 | | | | |
| Specific Conductivity (µmhos) | 950 | 1000 | 1000 | 1000 | | | | |
| Turbidity / Color | <u>Low</u> | <u>BTB</u> | <u>BTB</u> | <u>BTB</u> | | | | |
| Odor | <u>n</u> | <u>n</u> | <u>n</u> | <u>n</u> | | | | |
| Casing Volumes Removed | 0 | 1 | 7 | 7 | | | | |
| Dewatered? | <u>n</u> | <u>n</u> | <u>n</u> | <u>n</u> | | | | |

Comments/Observations:

SAMPLING DATA

Time Sampled: 1044

Approx. Depth to Water During Sampling: 19 ft

Comments:

| Sample Number | Number of Containers | Container Type | Preservative | Volume Filled (ml or l) | Turbidity | Color | Shipped Under Chain of Custody at 4°C (Y/N) | Analysis Method | Comments |
|---------------|----------------------|----------------|--------------|-------------------------|-----------|-------|---|-----------------|----------|
| | 3 | Voa | Hcl | 40ml | F | BTB | yes | TPH & BTB | N- |
| | | | | | | | | | |
| | | | | | | | | | |

Total Purge Volume: 19.5

Weather Conditions: Cold

Disposal/Containment Method: DRUMS ON SITE

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.): X

Problems Encountered During Purging and Sampling: N

Comments: N

Appendix B
Laboratory Analytical Report



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Dueto Exxon

Firm

2/6/95

83A0210

1302

2 hrs max

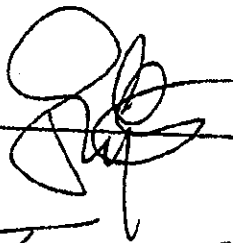
ANALYTICAL REPORT

Prepared for:

EA Engineering
3468 Mt. Diablo Blvd.
Suite B-100
Lafayette, CA 94549

Date: 09-JAN-95
Lab Job Number: 119360
Project ID: 7-0210
Location: 7840 Amador Valley Rd.

Joe M. PM

Reviewed by: 

Reviewed by: 

This package may be reproduced only in its entirety.



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 119360
 CLIENT: EA ENGINEERING
 PROJECT ID: 7-0210
 LOCATION: 7840 AMADOR VALLEY RD.

DATE SAMPLED: 01/04/95
 DATE RECEIVED: 01/04/95
 DATE ANALYZED: 01/05,06/95
 DATE REPORTED: 01/09/95

Total Volatile Hydrocarbons with BTXE in Aqueous Solutions
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

| LAB ID | SAMPLE ID | TVH AS GASOLINE (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | ETHYL BENZENE (ug/L) | TOTAL XYLENES (ug/L) |
|----------|--------------|------------------------------|-------------------|-------------------|----------------------------|----------------------------|
| 119360-1 | TRIP BLANK | ND(50) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| 119360-2 | RINSE BLANK | ND(50) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| 119360-3 | MW-1 | ND(50) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| 119360-4 | MW-2 | ND(50) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| 119360-5 | MW-3 | ND(50) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| 119360-6 | MW-4 | ND(50) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| | METHOD BLANK | ND(50) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

| | |
|-------------|-----|
| RPD, % | <1 |
| RECOVERY, % | 101 |

