

ARCO Products Company

1001 Alameda de las Encinas
Marketing Address: Box 5407
San Mateo, California 94402
Telephone: 415 571 2400



92 MAY 13 1992

May 13, 1992

Mr. Manry
17371 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17371 Via Magdalena
San Lorenzo, California 94580

Dear Mr. Manry:

This letter presents the results of the sampling of the irrigation water-supply well on your property at the above address. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in the completion of this project. PACIFIC, on behalf of ARCO performed the groundwater sampling to determine the source and extent of gasoline contamination found in shallow groundwater, and whether gasoline is present in the well on your property. The groundwater sample was collected on November 13, 1991 and was submitted to a laboratory to be analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater.

Laboratory analysis of the groundwater sample collected from your well has detected TPH-g and benzene at concentrations of 870 and 9 parts per billion (ppb), respectively. These compounds are indicative of gasoline. Benzene is a known carcinogen. In accordance with the provisions of Proposition 65, a health risk assessment was performed. Based on the risk assessment, which included the assumption that 1 liter of groundwater would be consumed on a daily basis for 35 years, there is no significant increase in risk.

It is ARCO's and PACIFIC's understanding that your well is used only for irrigation purposes. This well should not be used for any other purpose, other than irrigation unless permitted or advised differently by the Alameda County

May 13, 1992

Page 2

Department of Environmental Health. The risk assessment is currently being reviewed by Alameda County, and pending review of the risk assessment, your well may be recommended to be turned off. Because of the presence of gasoline compounds detected in the groundwater from the well, ARCO would like permission to sample the well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled immediately at ARCO's expense. Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

ARCO or PACIFIC, on behalf of ARCO, will contact you shortly in regards to this sampling activity.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

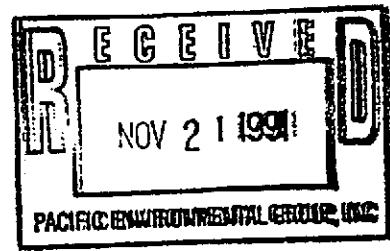
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

330-06-13
Project: ~~300-66-13~~, Arco 608, San Lorenzo

Enclosed are the results from 8 water samples received at Sequoia Analytical on November 13, 1991. The requested analyses are listed below:

| SAMPLE # | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|----------|--------------------|--------------------|--------------------|
| 1112557 | Water, 590H | 11/13/91 | EPA 5030/8015/8020 |
| 1112558 | Water, 642H | 11/13/91 | EPA 5030/8015/8020 |
| 1112559 | Water, 17203VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112560 | Water, 17197VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112561 | Water, 17371VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112562 | Water, 17393VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112563 | Water, 17200VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112564 | Water, TB1 | 11/13/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | | |
|------------------------------------|-----------------------------------------------------|---------------------------|
| Pacific Environmental Group | Client Project ID: 300-06.13, Arco 608, San Lorenzo | Sampled: Nov 13, 1991 |
| 1601 Civic Center Drive, Suite 202 | Matrix Descript: Water | Received: Nov 13, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Nov 14-15, 1991 |
| Attention: Dan Landry | First Sample #: 111-2557 | Reported: Nov 20, 1991 |

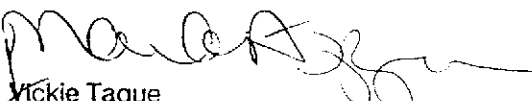
TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

| Sample Number | Sample Description | Low/Medium B.P. | Ethyl | | | |
|---------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Hydrocarbons | Benzene | Toluene | Benzene | Xylenes |
| | | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) |
| 111-2557 | 590H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2558 | 642H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2559 | 17203VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2560 | 17197VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2561 | 17371VM | 870 | 9.0 | 1.0 | 2.1 | 4.5 |
| 111-2562 | 17393VM | 31 | N.D. | N.D. | N.D. | N.D. |
| 111-2563 | 17200VM | 440 | 2.7 | N.D. | N.D. | 12 |
| 111-2564 | TB1 | N.D. | N.D. | N.D. | N.D. | N.D. |

| | | | | | |
|-------------------|----|------|------|------|------|
| Detection Limits: | 30 | 0.30 | 0.30 | 0.30 | 0.30 |
|-------------------|----|------|------|------|------|

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
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Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112557, 61

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|---------|---------|---------|---------------|---------|
|---------|---------|---------|---------------|---------|

| | | | | |
|------------------|--------------|--------------|--------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 |
| QC Sample #: | GBLK111591 | GBLK111591 | GBLK111591 | GBLK111591 |

| | | | | |
|------------------------------------|------|------|------|------|
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 10 | 11 | 11 | 31 |
| Matrix Spike % Recovery: | 100 | 110 | 110 | 103 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 9.5 | 0.0 | 0.0 | 6.3 |

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

1112557.PPP <2>



SEQUOIA ANALYTICAL

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Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112558-60, 62-64

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| | Method: | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 |
| QC Sample #: | BLK111491 | BLK111491 | BLK111491 | BLK111491 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 11 | 11 | 11 | 33 |
| Matrix Spike % Recovery: | 110 | 110 | 110 | 110 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 0.0 | 0.0 | 0.0 | 0.0 |

SEQUOIA ANALYTICAL

[Signature]
Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

| Sample I.D. | Lab no. | Container no. | Matrix | | | Preservation | | Sampling date | Sampling time | BTEX EPA 801/802 | STREET EPA 806/807/808 | TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/> | Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> | TPH EPA 418.1/418.2/418.3 | EPA 801/801D | EPA 804/804D | EPA 805/805D | TCLP Metals <input type="checkbox"/> VOC <input type="checkbox"/> POC <input type="checkbox"/> | CAMP 171.1 <input type="checkbox"/> 171.2 <input type="checkbox"/> | Lead Level 7420.1 <input type="checkbox"/> 7420.2 <input type="checkbox"/> | COPY | | | | |
|-----------------------------------------------|---------|---------------|--------|-------|-------|--------------|------|---------------|---------------|-------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------|--------------|-------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------|------|--------------------------------------|--|--|--|
| | | | Soil | Water | Other | Ice | Acid | | | | | | | | | | | | | | | | | | |
| 590H | | 3 | | X | | | X | 11/13/91 | | X | | | | | | | | | | | | Special detection Limit/reporting | | | |
| 642H | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17207VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17197VM | | 3 | | X | | | X | | | | | | | | | | | | | | | Special QA/QC | | | |
| 17371VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17393VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17200VM | | 3 | | X | | | X | | | | | | | | | | | | | | | Remarks | | | |
| TB-1 | | 2 | | X | | | X | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | Lab number | | | |
| | | | | | | | | | | | | | | | | | | | | | | Turnaround time | | | |
| Condition of sample: | | | | | | | | | | Temperature received: | | | | | | | | | | | | | | | |
| Relinquished by sampler <i>John Wilson</i> | | | | | | | | | | Date | 11/13/91 | Time | 16:45 | Received by <i>Don George</i> | | Priority Rush 1 Business Day <input type="checkbox"/> | | | | | | | | | |
| Relinquished by <i>Don George</i> | | | | | | | | | | Date | 11-13-91 | Time | 4:28 | Received by | | Rush 2 Business Days <input checked="" type="checkbox"/> | | | | | | | | | |
| Relinquished by | | | | | | | | | | Date | | Time | | Received by laboratory <i>Stephen Fazio</i> | | Date | 11-13 | Time | 4:28 | Expedited 5 Business Days <input type="checkbox"/> | | | | | |
| | | | | | | | | | | Standard 10 Business Days <input type="checkbox"/> | | | | | | | | | | | | | | | |

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant
 APPC-3292 (2-91)

ARCO Products Company

1000 Alameda de las Colinas
Marketing Department
P.O. Box 1000
Alameda, California 94539
Telephone 415 571-2400



92 MAY 13 1992

May 13, 1992

M. E. Kast
17349 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17349 Via Magdalena
San Lorenzo, California 94580

Dear M. E. Kast:

This letter presents the results of the sampling of the irrigation water-supply well on your property at the above address. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in the completion of this project. PACIFIC, on behalf of ARCO performed the groundwater sampling to determine the source and extent of gasoline contamination found in shallow groundwater, and whether gasoline is present in the well on your property. The groundwater sample was collected on September 27, 1991 and was submitted to a laboratory to be analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater.

Laboratory analysis of the groundwater sample collected from your well has detected TPH-g and benzene at concentrations of 780 and 13 parts per billion (ppb), respectively. These compounds are indicative of gasoline. Benzene is a known carcinogen. In accordance with the provisions of Proposition 65, a health risk assessment was performed. Based on the risk assessment, which included the assumption that 1 liter of groundwater would be consumed on a daily basis for 35 years, there is no significant increase in risk.

It is ARCO's and PACIFIC's understanding that your well is used only for irrigation purposes. This well should not be used for any other purpose, other than irrigation unless permitted or advised differently by the Alameda County

May 13, 1992

Page 2

Department of Environmental Health. The risk assessment is currently being reviewed by Alameda County, and pending review of the risk assessment, your well may be recommended to be turned off. Because of the presence of gasoline compounds detected in the groundwater from the well, ARCO would like permission to sample the well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled immediately at ARCO's expense. Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

ARCO or PACIFIC, on behalf of ARCO, will contact you shortly in regards to this sampling activity.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | | |
|------------------------------------|------------------------------------------------------|------------------------|
| Pacific Environmental Group | Client Project ID: #330-06.13, Arco 608, San Lorenzo | Sampled: Sep 27, 1991 |
| 1601 Civic Center Drive, Suite 202 | Sample Descript.: Water, 17349 | Received: Sep 27, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Sep 30, 1991 |
| Attention: Deb Moser | Lab Number: 109-4799 | Reported: Oct 2, 1991 |

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

| Analyte | Detection Limit µg/L (ppb) | Sample Results µg/L (ppb) |
|------------------------------------------|-------------------------------|------------------------------|
| Low to Medium Boiling Point Hydrocarbons | 300 | 780 |
| Benzene | 3.0 | 13 |
| Toluene | 3.0 | N.D. |
| Ethyl Benzene | 3.0 | N.D. |
| Xylenes | 3.0 | N.D. |

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

V. Tague
Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Deb Moser

Client Project ID: #330-06.13, Arco 608, San Lorenzo

QC Sample Group: 1094798-99

Reported: Oct 2, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | K. Gill | K. Gill | K. Gill | K. Gill |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Sep 30, 1991 | Sep 30, 1991 | Sep 30, 1991 | Sep 30, 1991 |
| QC Sample #: | GBLK093091 | GBLK093091 | GBLK093091 | GBLK093091 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 9.4 | 9.4 | 9.3 | 28 |
| Matrix Spike % Recovery: | 94 | 94 | 93 | 93 |
| Conc. Matrix Spike Dup.: | 10 | 10 | 10 | 30 |
| Matrix Spike Duplicate % Recovery: | 100 | 100 | 100 | 100 |
| Relative % Difference: | 6.2 | 6.2 | 7.3 | 6.7 |

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

CLIENT NAME:
 REC. BY (PRINT):

Pacific ENV.
B STAMPER

MASTER LOG NO. / PAGE:
 DATE OF LOG-IN:

X
9/27/91

| CIRCLE THE APPROPRIATE RESPONSE | | LAB SAMPLE # | DASH # | CLIENT IDENTIFICATION | CONTAINER DESCRIPTION | SAMPLE MATRIX | DATE SAMP. | REMARKS: CONDITION (ETC) |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------|--------|-----------------------|-----------------------|---------------|------------|--------------------------|
| 1. Custody Seal(s): | Present / <input checked="" type="radio"/> Absent Intact / Broken* | 1094798 | AC | 17372 | 340AS | W | 9/27 | |
| 2. Custody Seal Nos.: | | ↓ 99 | AC | 17349 | ↓ | ↓ | ↓ | |
| 3. Chain-of-Custody Records: | <input checked="" type="radio"/> Present / Absent* | | | | | | | |
| 4. Traffic Reports or Packing List: | Present / <input checked="" type="radio"/> Absent | | | | | | | |
| 5. Airbill: | Airbill / Sticker Present / <input checked="" type="radio"/> Absent | | | | | | | |
| 6. Airbill No.: | | | | | | | | |
| 7. Sample Tags: | <input checked="" type="radio"/> Present / Absent* | | | | | | | |
| Sample Tag Nos.: | Listed / Not Listed on Chain-of-Custody | | | | | | | |
| 8. Sample Condition: | <input checked="" type="radio"/> Intact / Broken* / Leaking* | | | | | | | |
| 9. Does information on custody reports, traffic reports and sample tags agree? | <input checked="" type="radio"/> Yes / No* | | | | | | | |
| 10. Proper Preservatives Used: | <input checked="" type="radio"/> Yes / No* | | | | | | | |
| 11. Date Rec. at Lab: | | | | | | | | |
| 12. Time Rec. at Lab: | | | | | | | | |

* If Circled, contact Project Manager and attach record of resolution

ARCO Products Company

10000 Wilshire Boulevard
Los Angeles, California 90024
Telephone 415 571 2400



92 MAY 13 11 1: 29

May 13, 1992

Mr. Schrag
17197 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17197 Via Magdalena
San Lorenzo, California 94580

Dear Mr. Schrag:

This letter presents the results of the sampling of the irrigation water-supply well located on your property at the above referenced property. Pacific Environmental Group, Inc. (PACIFIC), on behalf of ARCO Products Company (ARCO) performed the groundwater sampling to test for gasoline in the water. The sample was collected on November 13, 1991 and submitted to the laboratory for analysis of total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater. ARCO and PACIFIC would like to express their gratitude for your cooperation in the completion of this project.

The groundwater sample collected from your well did not contain any dissolved concentrations of TPH-g or BTEX compounds. It is ARCO's and PACIFIC's understanding that the well is used strictly for irrigation purposes. This well should not be for any other purpose other than irrigation unless advised differently by the Alameda County Department of Environmental Health.

Because gasoline compounds have been detected in the groundwater in your vicinity, ARCO would like your permission to sample your well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. ARCO or our representative will be contacting you in regards to accessing your well.

In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled at ARCO's expense.

May 13, 1992

Page 2

Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

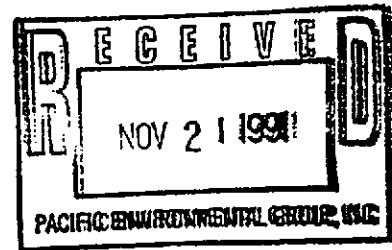
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

330-0613
Project: 360-66-13, Arco 608, San Lorenzo

Enclosed are the results from 8 water samples received at Sequoia Analytical on November 13, 1991. The requested analyses are listed below:

| SAMPLE # | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|----------|--------------------|--------------------|--------------------|
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| 1112563 | Water, 17200VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112564 | Water, TB1 | 11/13/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

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| | | |
|------------------------------------|-----------------------------------------------------|---------------------------|
| Pacific Environmental Group | Client Project ID: 300-06.13, Arco 608, San Lorenzo | Sampled: Nov 13, 1991 |
| 1601 Civic Center Drive, Suite 202 | Matrix Descript: Water | Received: Nov 13, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Nov 14-15, 1991 |
| Attention: Dan Landry | First Sample #: 111-2557 | Reported: Nov 20, 1991 |

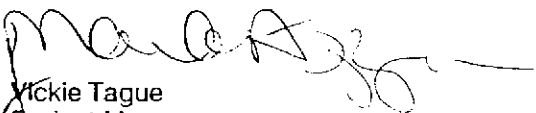
TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

| Sample Number | Sample Description | Low/Medium B.P. | Ethyl | | | |
|---------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Hydrocarbons | Benzene | Toluene | Benzene | Xylenes |
| | | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) |
| 111-2557 | 590H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2558 | 642H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2559 | 17203VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2560 | 17197VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2561 | 17371VM | 870 | 9.0 | 1.0 | 2.1 | 4.5 |
| 111-2562 | 17393VM | 31 | N.D. | N.D. | N.D. | N.D. |
| 111-2563 | 17200VM | 440 | 2.7 | N.D. | N.D. | 12 |
| 111-2564 | TB1 | N.D. | N.D. | N.D. | N.D. | N.D. |

| | | | | | |
|-------------------|----|------|------|------|------|
| Detection Limits: | 30 | 0.30 | 0.30 | 0.30 | 0.30 |
|-------------------|----|------|------|------|------|

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112557, 61

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl- Benzene | Xylenes |
|---------|---------|---------|-------------------|---------|
|---------|---------|---------|-------------------|---------|

| | | | | |
|------------------|--------------|--------------|--------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 |
| QC Sample #: | GBLK111591 | GBLK111591 | GBLK111591 | GBLK111591 |

| | | | | |
|------------------------------------------|------|------|------|------|
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 10 | 11 | 11 | 31 |
| Matrix Spike % Recovery: | 100 | 110 | 110 | 103 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 9.5 | 0.0 | 0.0 | 6.3 |

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

1112557.PPP <2>



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112558-60, 62-64

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 |
| QC Sample #: | BLK111491 | BLK111491 | BLK111491 | BLK111491 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 11 | 11 | 11 | 33 |
| Matrix Spike % Recovery: | 110 | 110 | 110 | 110 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 0.0 | 0.0 | 0.0 | 0.0 |

SEQUOIA ANALYTICAL

[Signature]
Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

ARCO Products Company

10000 Wilshire Blvd., Suite 1000
Beverly Hills, California 90210
Telephone: (415) 875-1400



92 MAY 12 11 52 AM '92

May 13, 1992

Mr. Hull
17393 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17393 Via Magdalena
San Lorenzo, California 94580

Dear Mr. Hull:

This letter presents the results of the sampling of the irrigation water-supply well on your property at the above address. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in the completion of this project. PACIFIC, on behalf of ARCO performed the groundwater sampling to determine the source and extent of gasoline contamination found in shallow groundwater, and whether gasoline is present in the well on your property. The groundwater sample was collected on November 13, 1991 and was submitted to a laboratory to be analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater.

Laboratory analysis of the groundwater sample collected from your well has detected TPH-g and benzene at concentrations of 31 and <0.30 parts per billion (ppb), respectively. These compounds are indicative of gasoline. Benzene is a known carcinogen. In accordance with the provisions of Proposition 65, a health risk assessment was performed. Based on the risk assessment, which included the assumption that 1 liter of groundwater would be consumed on a daily basis for 35 years, there is no significant increase in risk.

It is ARCO's and PACIFIC's understanding that your well is used only for irrigation purposes. This well should not be used for any other purpose, other than irrigation unless permitted or advised differently by the Alameda County

May 13, 1992

Page 2

Department of Environmental Health. The risk assessment is currently being reviewed by Alameda County, and pending review of the risk assessment, your well may be recommended to be turned off. Because of the presence of gasoline compounds detected in the groundwater from the well, ARCO would like permission to sample the well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled immediately at ARCO's expense. Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

ARCO or PACIFIC, on behalf of ARCO, will contact you shortly in regards to this sampling activity.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**

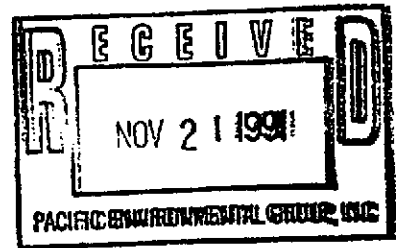


SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

330-06-B
Project: 300-66-13, Arco 608, San Lorenzo



Enclosed are the results from 8 water samples received at Sequoia Analytical on November 13, 1991. The requested analyses are listed below:

| SAMPLE # | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|----------|--------------------|--------------------|--------------------|
| 1112557 | Water, 590H | 11/13/91 | EPA 5030/8015/8020 |
| 1112558 | Water, 642H | 11/13/91 | EPA 5030/8015/8020 |
| 1112559 | Water, 17203VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112560 | Water, 17197VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112561 | Water, 17371VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112562 | Water, 17393VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112563 | Water, 17200VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112564 | Water, TB1 | 11/13/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | | |
|------------------------------------|-----------------------------------------------------|---------------------------|
| Pacific Environmental Group | Client Project ID: 300-06.13, Arco 608, San Lorenzo | Sampled: Nov 13, 1991 |
| 1601 Civic Center Drive, Suite 202 | Matrix Descript: Water | Received: Nov 13, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Nov 14-15, 1991 |
| Attention: Dan Landry | First Sample #: 111-2557 | Reported: Nov 20, 1991 |


TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

| Sample Number | Sample Description | Low/Medium B.P. | Ethyl | | | |
|---------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Hydrocarbons | Benzene | Toluene | Benzene | Xylenes |
| | | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) |
| 111-2557 | 590H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2558 | 642H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2559 | 17203VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2560 | 17197VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2561 | 17371VM | 870 | 9.0 | 1.0 | 2.1 | 4.5 |
| 111-2562 | 17393VM | 31 | N.D. | N.D. | N.D. | N.D. |
| 111-2563 | 17200VM | 440 | 2.7 | N.D. | N.D. | 12 |
| 111-2564 | TB1 | N.D. | N.D. | N.D. | N.D. | N.D. |

| | | | | | |
|-------------------|----|------|------|------|------|
| Detection Limits: | 30 | 0.30 | 0.30 | 0.30 | 0.30 |
|-------------------|----|------|------|------|------|

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112557, 61

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl- Benzene | Xylenes |
|------------------------------------------|--------------|--------------|-------------------|--------------|
| | Method: | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 |
| QC Sample #: | GBLK111591 | GBLK111591 | GBLK111591 | GBLK111591 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 10 | 11 | 11 | 31 |
| Matrix Spike % Recovery: | 100 | 110 | 110 | 103 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 9.5 | 0.0 | 0.0 | 6.3 |

SEQUOIA ANALYTICAL

[Signature]
Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112558-60, 62-64

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|---------|---------|---------|---------------|---------|
|---------|---------|---------|---------------|---------|

| | | | | |
|------------------|--------------|--------------|--------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 |
| QC Sample #: | BLK111491 | BLK111491 | BLK111491 | BLK111491 |

| | | | | |
|------------------------------------|------|------|------|------|
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 11 | 11 | 11 | 33 |
| Matrix Spike % Recovery: | 110 | 110 | 110 | 110 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 0.0 | 0.0 | 0.0 | 0.0 |

SEQUOIA ANALYTICAL

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

Vickie Tague
Project Manager

| Sample I.D. | Lab no. | Container no. | Matrix | | | | | Sampling date | Sampling time | BTEX EPA 821/822/823 | BTEX/THP EPA 821/822/823/824/825 | TPH Modified 2015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/> | Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> | TPH EPA 418.1/5/6/30E | EPA 601/6010 | EPA 624/6240 | EPA 625/6270 | TCUP Metals <input type="checkbox"/> VOC <input type="checkbox"/> NO <input type="checkbox"/> | CAMP TLC | Lead Lead 7420 617 | COPY | Special detection Limit/reporting | |
|-------------------------------------------|---------|---------------|--------|-------|-------|-----|------|---------------|---------------|-------------------------|-------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|--------------|--------------|--------------|--------------------------------------------------------------------------------------------------|-------------|-----------------------------|------|-------------------------------------------------------------|--|
| | | | Soil | Water | Other | Ice | Acid | | | | | | | | | | | | | | | | |
| S90H | | 3 | | X | | | X | 11/13/91 | | X | | | | | | | | | | | | 11/25/97 | |
| 642H | | 3 | | X | | | X | | | | | | | | | | | | | | | 58 | |
| 17203VM | | 3 | | X | | | X | | | | | | | | | | | | | | | 59 | |
| 17197VM | | 3 | | X | | | X | | | | | | | | | | | | | | | 60 | |
| 17371VM | | 3 | | X | | | X | | | | | | | | | | | | | | | 61 | |
| 17393VM | | 3 | | X | | | X | | | | | | | | | | | | | | | 62 | |
| 17200VM | | 3 | | X | | | X | | | | | | | | | | | | | | | 63 | |
| TB-1 | | 2 | | X | | | X | | | | | | | | | | | | | | | 64 | |
| | | | | | | | | | | | | | | | | | | | | | | Special QA/QC | |
| | | | | | | | | | | | | | | | | | | | | | | Remarks | |
| | | | | | | | | | | | | | | | | | | | | | | Lab number | |
| | | | | | | | | | | | | | | | | | | | | | | Turnaround time | |
| | | | | | | | | | | | | | | | | | | | | | | Priority Rush 1 Business Day <input type="checkbox"/> | |
| | | | | | | | | | | | | | | | | | | | | | | Rush 2 Business Days <input checked="" type="checkbox"/> | |
| | | | | | | | | | | | | | | | | | | | | | | Expedited 5 Business Days <input type="checkbox"/> | |
| | | | | | | | | | | | | | | | | | | | | | | Standard 10 Business Days <input type="checkbox"/> | |
| Condition of sample: | | | | | | | | | | Temperature received: | | | | | | | | | | | | | |
| Retrieved by sampler <i>Don George</i> | | | | | | | | | | Date | Time | Received by <i>Don George</i> | | | | | | | | | | | |
| Relinquished by <i>Don George</i> | | | | | | | | | | Date | Time | Received by <i>Stephen F. King</i> | | | | | | | | | | | |
| Relinquished by | | | | | | | | | | Date | Time | Received by laboratory <i>Stephen F. King</i> | | | | Date | Time | | | | | | |

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant
 APPC-3292 (2-91)

ARCO Products Company

ARCO Environmental Products Division
Marketing Address: Box 1107
El Cerrito, California 94530
Telephone 415 671 2400



92 MAY 19 11 1:29

May 13, 1992

Mr. Joseph Pimental
17372 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17372 Via Magdalena
San Lorenzo, California 94580

Dear Mr. Pimental:

This letter presents the results of the sampling of the irrigation water-supply well on your property at the above address. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in the completion of this project. PACIFIC, on behalf of ARCO performed the groundwater sampling to determine the source and extent of gasoline contamination found in shallow groundwater, and whether gasoline is present in the well on your property. The groundwater sample was collected on September 27, 1991 and was submitted to a laboratory to be analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater.

Laboratory analysis of the groundwater sample collected from your well has detected TPH-g and benzene at concentrations of 300 and 5.5 parts per billion (ppb), respectively. These compounds are indicative of gasoline. Benzene is a known carcinogen. In accordance with the provisions of Proposition 65, a health risk assessment was performed. Based on the risk assessment, which included the assumption that 1 liter of groundwater would be consumed on a daily basis for 35 years, there is no significant increase in risk.

It is ARCO's and PACIFIC's understanding that your well is used only for irrigation purposes. This well should not be used for any other purpose, other than irrigation unless permitted or advised differently by the Alameda County

May 13, 1992

Page 2

Department of Environmental Health. The risk assessment is currently being reviewed by Alameda County, and pending review of the risk assessment, your well may be recommended to be turned off. Because of the presence of gasoline compounds detected in the groundwater from the well, ARCO would like permission to sample the well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled immediately at ARCO's expense. Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

ARCO or PACIFIC, on behalf of ARCO, will contact you shortly in regards to this sampling activity.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

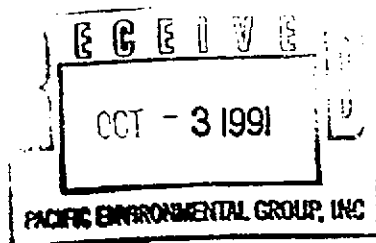
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



| | | |
|------------------------------------|------------------------------------------------------|------------------------|
| Pacific Environmental Group | Client Project ID: #330-06.13, Arco 608, San Lorenzo | Sampled: Sep 27, 1991 |
| 1601 Civic Center Drive, Suite 202 | Sample Descript.: Water, 17372 | Received: Sep 27, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/ 8015/8020 | Analyzed: Sep 30, 1991 |
| Attention: Deb Moser | Lab Number: 109-4798 | Reported: Oct 2, 1991 |

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

| Analyte | Detection Limit µg/L (ppb) | Sample Results µg/L (ppb) |
|------------------------------------------|-------------------------------|------------------------------|
| Low to Medium Boiling Point Hydrocarbons | 60 | 300 |
| Benzene | 0.60 | 5.5 |
| Toluene | 0.60 | N.D. |
| Ethyl Benzene | 0.60 | 1.3 |
| Xylenes | 0.60 | 0.72 |

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Vickie Tague
Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | |
|------------------------------------|------------------------------------------------------|
| Pacific Environmental Group | Client Project ID: #330-06.13, Arco 608, San Lorenzo |
| 1601 Civic Center Drive, Suite 202 | |
| Santa Clara, CA 95050 | QC Sample Group: 1094798-99 |
| Attention: Deb Moser | Reported: Oct 2, 1991 |

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | K. Gill | K. Gill | K. Gill | K. Gill |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Sep 30, 1991 | Sep 30, 1991 | Sep 30, 1991 | Sep 30, 1991 |
| QC Sample #: | GBLK093091 | GBLK093091 | GBLK093091 | GBLK093091 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 9.4 | 9.4 | 9.3 | 28 |
| Matrix Spike % Recovery: | 94 | 94 | 93 | 93 |
| Conc. Matrix Spike Dup.: | 10 | 10 | 10 | 30 |
| Matrix Spike Duplicate % Recovery: | 100 | 100 | 100 | 100 |
| Relative % Difference: | 6.2 | 6.2 | 7.3 | 6.7 |

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

CLIENT NAME:
REC. BY (PRINT):

Pacific Env.
B Stamper

MASTER LOG NO. / PAGE:
DATE OF LOG-IN:

X
9/27/91

| CIRCLE THE APPROPRIATE RESPONSE | | LAB SAMPLE # | DASH # | CLIENT IDENTIFICATION | CONTAINER DESCRIPTION | SAMPLE MATRIX | DATE SAMP. | REMARKS: CONDITION (ETC) |
|--------------------------------------------------------------------------------|-------------------------------------------------------|--------------|--------|-----------------------|-----------------------|---------------|------------|--------------------------|
| 1. Custody Seal(s): | Present / <u>Absent</u> Intact / Broken* | 1094798 | AC | 17372 | 3 VOAS | W | 9/27 | |
| 2. Custody Seal Nos.: | | L 99 | AC | 17349 | ↓ | ↓ | ↓ | |
| 3. Chain-of-Custody Records: | <u>Present</u> / Absent* | | | | | | | |
| 4. Traffic Reports or Packing List: | Present / <u>Absent</u> | | | | | | | |
| 5. Airbill: | Airbill / Sticker Present / <u>Absent</u> | | | | | | | |
| 6. Airbill No.: | | | | | | | | |
| 7. Sample Tags: | <u>Present</u> / Absent* | | | | | | | |
| Sample Tag Nos.: | Listed / Not Listed on Chain-of-Custody | | | | | | | |
| 8. Sample Condition: | <u>Intact</u> / Broken* / Leaking* | | | | | | | |
| 9. Does information on custody reports, traffic reports and sample tags agree? | <u>Yes</u> / No* | | | | | | | |
| 10. Proper Preservatives Used: | <u>Yes</u> / No* | | | | | | | |
| 11. Date Rec. at Lab: | <u>9/27/91</u> | | | | | | | |
| 12. Time Rec. at Lab: | <u>1655</u> | | | | | | | |

* If Circled, contact Project Manager and attach record of resolution

ARCO Products Company

10000 Wilshire Blvd., Suite 1000
Beverly Hills, California 90210
Telephone (415) 675-2400



May 13, 1992

Calvary Church and School
17200 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17200 Via Magdalena
San Lorenzo, California 94580

To whom it may concern:

This letter presents the results of the sampling of the irrigation water-supply well on your property at the above address. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in the completion of this project. PACIFIC, on behalf of ARCO performed the groundwater sampling to determine the source and extent of gasoline contamination found in shallow groundwater, and whether gasoline is present in the well on your property. The groundwater sample was collected on November 13, 1991 and was submitted to a laboratory to be analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater.

Laboratory analysis of the groundwater sample collected from your well has detected TPH-g and benzene at concentrations of 440 and 2.7 parts per billion (ppb), respectively. These compounds are indicative of gasoline. Benzene is a known carcinogen. In accordance with the provisions of Proposition 65, a health risk assessment was performed. Based on the risk assessment, which included the assumption that 1 liter of groundwater would be consumed on a daily basis for 35 years, there is no significant increase in risk.

It is ARCO's and PACIFIC's understanding that your well is used only for irrigation purposes. This well should not be used for any other purpose, other than irrigation unless permitted or advised differently by the Alameda County

92 MAY 15 11 14 AM '92

May 13, 1992

Page 2

Department of Environmental Health. The risk assessment is currently being reviewed by Alameda County, and pending review of the risk assessment, your well may be recommended to be turned off. Because of the presence of gasoline compounds detected in the groundwater from the well, ARCO would like permission to sample the well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled immediately at ARCO's expense. Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

ARCO or PACIFIC, on behalf of ARCO, will contact you shortly in regards to this sampling activity.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

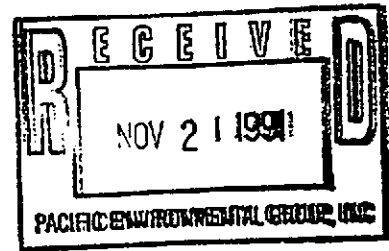
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

330-06-13
Project: 300-06-13, Arco 608, San Lorenzo

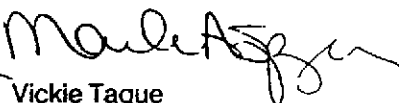
Enclosed are the results from 8 water samples received at Sequoia Analytical on November 13, 1991. The requested analyses are listed below:

| SAMPLE # | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|----------|--------------------|--------------------|--------------------|
| 1112557 | Water, 590H | 11/13/91 | EPA 5030/8015/8020 |
| 1112558 | Water, 642H | 11/13/91 | EPA 5030/8015/8020 |
| 1112559 | Water, 17203VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112560 | Water, 17197VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112561 | Water, 17371VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112562 | Water, 17393VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112563 | Water, 17200VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112564 | Water, TB1 | 11/13/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | | |
|------------------------------------|-----------------------------------------------------|---------------------------|
| Pacific Environmental Group | Client Project ID: 300-06.13, Arco 608, San Lorenzo | Sampled: Nov 13, 1991 |
| 1601 Civic Center Drive, Suite 202 | Matrix Descript: Water | Received: Nov 13, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Nov 14-15, 1991 |
| Attention: Dan Landry | First Sample #: 111-2557 | Reported: Nov 20, 1991 |

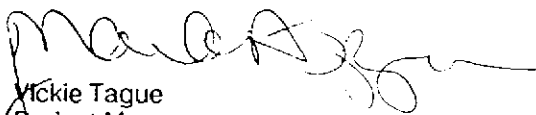
TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

| Sample Number | Sample Description | Low/Medium B.P. Hydrocarbons | Benzene | Toluene | Ethyl Benzene | Xylenes |
|---------------|--------------------|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) |
| 111-2557 | 590H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2558 | 642H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2559 | 17203VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2560 | 17197VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2561 | 17371VM | 870 | 9.0 | 1.0 | 2.1 | 4.5 |
| 111-2562 | 17393VM | 31 | N.D. | N.D. | N.D. | N.D. |
| 111-2563 | 17200VM | 440 | 2.7 | N.D. | N.D. | 12 |
| 111-2564 | TB1 | N.D. | N.D. | N.D. | N.D. | N.D. |

| | | | | | |
|--------------------------|----|------|------|------|------|
| Detection Limits: | 30 | 0.30 | 0.30 | 0.30 | 0.30 |
|--------------------------|----|------|------|------|------|

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112557, 61

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 |
| QC Sample #: | GBLK111591 | GBLK111591 | GBLK111591 | GBLK111591 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 10 | 11 | 11 | 31 |
| Matrix Spike % Recovery: | 100 | 110 | 110 | 103 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 9.5 | 0.0 | 0.0 | 6.3 |

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112558-60, 62-64

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|---------|---------|---------|---------------|---------|
|---------|---------|---------|---------------|---------|

| | | | | |
|------------------|--------------|--------------|--------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 |
| QC Sample #: | BLK111491 | BLK111491 | BLK111491 | BLK111491 |

| | | | | |
|------------------------------------|------|------|------|------|
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 11 | 11 | 11 | 33 |
| Matrix Spike % Recovery: | 110 | 110 | 110 | 110 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 0.0 | 0.0 | 0.0 | 0.0 |

SEQUOIA ANALYTICAL

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

Vickie Tague
Project Manager

1112557.PPP <3>

ARCO Products Company

10000 Alameda Avenue, Suite 100
San Diego, California 92121
City Center Building, Suite 400
San Diego, California 92101
Telephone 415-571-2400



92 MAY 13 10 13 29

May 13, 1992

Mr. and Mrs. Corregedor
642 Hacienda Avenue
San Lorenzo, California 94580

Re: Groundwater Analytical Results
642 Hacienda Avenue
San Lorenzo, California 94580

Dear Mr. and Mrs. Corregedor:

This letter presents the results of the sampling of the irrigation water-supply well located on your property at the above referenced property. Pacific Environmental Group, Inc. (PACIFIC), on behalf of ARCO Products Company (ARCO) performed the groundwater sampling to test for gasoline in the water. The sample was collected on November 22, 1991 and submitted to the laboratory for analysis of total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater. ARCO and PACIFIC would like to express their gratitude for your cooperation in the completion of this project.

The groundwater sample collected from your well did not contain any dissolved concentrations of TPH-g or BTEX compounds. It is ARCO's and PACIFIC's understanding that the well is used strictly for irrigation purposes. This well should not be for any other purpose other than irrigation unless advised differently by the Alameda County Department of Environmental Health.

Because gasoline compounds have been detected in the groundwater in your vicinity, ARCO would like your permission to sample your well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. ARCO or our representative will be contacting you in regards to accessing your well.

In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled at ARCO's expense.

May 13, 1992

Page 2

Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

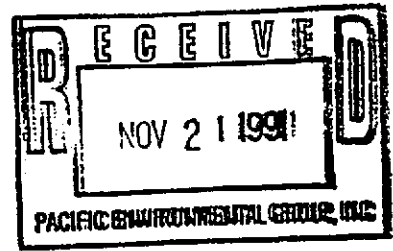
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

330-06-13
Project: 399-06-13, Arco 608, San Lorenzo

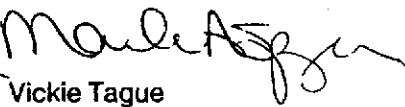
Enclosed are the results from 8 water samples received at Sequoia Analytical on November 13, 1991. The requested analyses are listed below:

| SAMPLE # | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|----------|--------------------|--------------------|--------------------|
| 1112557 | Water, 590H | 11/13/91 | EPA 5030/8015/8020 |
| 1112558 | Water, 642H | 11/13/91 | EPA 5030/8015/8020 |
| 1112559 | Water, 17203VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112560 | Water, 17197VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112561 | Water, 17371VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112562 | Water, 17393VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112563 | Water, 17200VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112564 | Water, TB1 | 11/13/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL



Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112557, 61

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|---------|---------|---------|---------------|---------|
|---------|---------|---------|---------------|---------|

| | | | | |
|------------------|--------------|--------------|--------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 |
| QC Sample #: | GBLK111591 | GBLK111591 | GBLK111591 | GBLK111591 |

| | | | | |
|------------------------------------|------|------|------|------|
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 10 | 11 | 11 | 31 |
| Matrix Spike % Recovery: | 100 | 110 | 110 | 103 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 9.5 | 0.0 | 0.0 | 6.3 |

SEQUOIA ANALYTICAL

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

Vickie Tague
Vickie Tague
Project Manager

112557.PPP <2>



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112558-60, 62-64

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Ethyl- | | | |
|---------|---------|---------|---------|---------|
| | Benzene | Toluene | Benzene | Xylenes |

| | | | | |
|------------------|--------------|--------------|--------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 |
| QC Sample #: | BLK111491 | BLK111491 | BLK111491 | BLK111491 |

| | | | | |
|------------------------------------|------|------|------|------|
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 11 | 11 | 11 | 33 |
| Matrix Spike % Recovery: | 110 | 110 | 110 | 110 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 0.0 | 0.0 | 0.0 | 0.0 |

SEQUOIA ANALYTICAL

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

Vickie Tague
Project Manager

| Sample I.D. | Lab no. | Container no. | Matrix | | | Preservation | | Sampling date | Sampling time | DTEX EPA 8210 | STRENGTH EPA 8210 | TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/> | Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> | TPH EPA 418.1 USEDOCE | EPA 801.0/10 | EPA 808.0/10 | EPA 821.0/20 | TOC Meth <input type="checkbox"/> VOA <input type="checkbox"/> VOA | CAMP ITLC | Lead Lead 7420 | COPY | |
|-------------|---------|---------------|--------|-------|-------|--------------|------|---------------|---------------|------------------|----------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|--------------|--------------|--------------|-----------------------------------------------------------------------|--------------|----------------------|------|--------------------------------------|
| | | | Soil | Water | Other | Ice | Acid | | | | | | | | | | | | | | | |
| 590H | | 3 | | X | | | X | 11/13/91 | | X | | | | | | | | | | | | Special detection Limit/reporting |
| 642H | | 3 | | X | | | X | | | | | | | | | | | | | | | |
| 17203VM | | 3 | | X | | | X | | | | | | | | | | | | | | | |
| 17197VM | | 3 | | X | | | X | | | | | | | | | | | | | | | Special QA/QC |
| 17371VM | | 3 | | X | | | X | | | | | | | | | | | | | | | |
| 17393VM | | 3 | | X | | | X | | | | | | | | | | | | | | | |
| 17200VM | | 3 | | X | | | X | | | | | | | | | | | | | | | Remarks |
| TB-1 | | 2 | | X | | | X | | | | | | | | | | | | | | | |

| | | | | | | | |
|-------------------------|----------|-------|------------------------|-----------------------|------|--|--|
| Condition of sample: | | | | Temperature received: | | | |
| Relinquished by sampler | Date | Time | Received by | | | | |
| <i>John Wilson</i> | 11/13/91 | 16:45 | <i>Don George</i> | | | | |
| Relinquished by | Date | Time | Received by | | | | |
| <i>Don George</i> | 11-13-91 | 4:28 | <i>Stephen Patrizi</i> | | | | |
| Relinquished by | Date | Time | Received by laboratory | Date | Time | | |
| | | | <i>Stephen Patrizi</i> | 11-13 | 4:28 | | |

Special detection
Limit/reporting

Special QA/QC

Remarks

Lab number

Turnaround time

Priority Rush
1 Business Day

Rush
2 Business Days

Expedited
5 Business Days

Standard
10 Business Days

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant
 APPC-3282 (2-81)

ARCO Products Company

10000 Wilshire Blvd., Suite 1000
Beverly Hills, California 90210
Telephone 310 471 7400



May 13, 1992

Mr. and Mrs. Silva
590 Hacienda Avenue
San Lorenzo, California 94580

Re: Groundwater Analytical Results
590 Hacienda Avenue
San Lorenzo, California 94580

92 MAY 13 PM 1:20

Dear Mr. and Mrs. Silva:

This letter presents the results of the sampling of the irrigation water-supply well located on your property at the above referenced property. Pacific Environmental Group, Inc. (PACIFIC), on behalf of ARCO Products Company (ARCO) performed the groundwater sampling to test for gasoline in the water. The sample was collected on November 13, 1991 and submitted to the laboratory for analysis of total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater. ARCO and PACIFIC would like to express their gratitude for your cooperation in the completion of this project.

The groundwater sample collected from your well did not contain any dissolved concentrations of TPH-g or BTEX compounds. It is ARCO's and PACIFIC's understanding that the well is used strictly for irrigation purposes. This well should not be for any other purpose other than irrigation unless advised differently by the Alameda County Department of Environmental Health.

Because gasoline compounds have been detected in the groundwater in your vicinity, ARCO would like your permission to sample your well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. ARCO or our representative will be contacting you in regards to accessing your well.

In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled at ARCO's expense.

10000 Wilshire Blvd., Suite 1000
Beverly Hills, California 90210
Telephone 310 471 7400

May 13, 1992

Page 2

Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

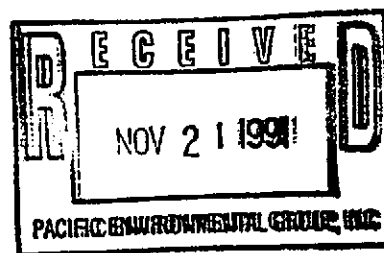
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

330-06-13
Project: 300-06-13, Arco 608, San Lorenzo

Enclosed are the results from 8 water samples received at Sequoia Analytical on November 13, 1991. The requested analyses are listed below:

| SAMPLE # | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|----------|--------------------|--------------------|--------------------|
| 1112557 | Water, 590H | 11/13/91 | EPA 5030/8015/8020 |
| 1112558 | Water, 642H | 11/13/91 | EPA 5030/8015/8020 |
| 1112559 | Water, 17203VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112560 | Water, 17197VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112561 | Water, 17371VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112562 | Water, 17393VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112563 | Water, 17200VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112564 | Water, TB1 | 11/13/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | | |
|------------------------------------|-----------------------------------------------------|---------------------------|
| Pacific Environmental Group | Client Project ID: 300-06.13, Arco 608, San Lorenzo | Sampled: Nov 13, 1991 |
| 1601 Civic Center Drive, Suite 202 | Matrix Descript: Water | Received: Nov 13, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Nov 14-15, 1991 |
| Attention: Dan Landry | First Sample #: 111-2557 | Reported: Nov 20, 1991 |

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

| Sample Number | Sample Description | Low/Medium B.P. | Benzene | Toluene | Ethyl | Xylenes |
|---------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Hydrocarbons | | | Benzene | |
| | | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) |
| 111-2557 | 590H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2558 | 642H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2559 | 17203VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2560 | 17197VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2561 | 17371VM | 870 | 9.0 | 1.0 | 2.1 | 4.5 |
| 111-2562 | 17393VM | 31 | N.D. | N.D. | N.D. | N.D. |
| 111-2563 | 17200VM | 440 | 2.7 | N.D. | N.D. | 12 |
| 111-2564 | TB1 | N.D. | N.D. | N.D. | N.D. | N.D. |

Detection Limits:

30

0.30


0.30

0.30

0.30

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112557, 61

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 |
| QC Sample #: | GBLK111591 | GBLK111591 | GBLK111591 | GBLK111591 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 10 | 11 | 11 | 31 |
| Matrix Spike % Recovery: | 100 | 110 | 110 | 103 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 9.5 | 0.0 | 0.0 | 6.3 |

SEQUOIA ANALYTICAL

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

Vickie Tague
Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112558-60, 62-64

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Ethyl- | | | |
|---------|---------|---------|---------|---------|
| | Benzene | Toluene | Benzene | Xylenes |

| | | | | |
|------------------|--------------|--------------|--------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 |
| QC Sample #: | BLK111491 | BLK111491 | BLK111491 | BLK111491 |

| | | | | |
|------------------------------------|------|------|------|------|
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 11 | 11 | 11 | 33 |
| Matrix Spike % Recovery: | 110 | 110 | 110 | 110 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 0.0 | 0.0 | 0.0 | 0.0 |

SEQUOIA ANALYTICAL

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

Vickie Tague
Project Manager

ARCO Products Company

10000 Wilshire Blvd., Suite 1000
Beverly Hills, California 90210
Telephone: 415 871 2700



92 MAY 13 1992

May 13, 1992

Mrs. Toole
17203 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17203 Via Magdalena
San Lorenzo, California 94580

Dear Mrs. Toole:

This letter presents the results of the sampling of the irrigation water-supply well located on your property at the above referenced property. Pacific Environmental Group, Inc. (PACIFIC), on behalf of ARCO Products Company (ARCO) performed the groundwater sampling to test for gasoline in the water. The sample was collected on November 13, 1991 and submitted to the laboratory for analysis of total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater. ARCO and PACIFIC would like to express their gratitude for your cooperation in the completion of this project.

The groundwater sample collected from your well did not contain any dissolved concentrations of TPH-g or BTEX compounds. It is ARCO's and PACIFIC's understanding that the well is used strictly for irrigation purposes. This well should not be for any other purpose other than irrigation unless advised differently by the Alameda County Department of Environmental Health.

Because gasoline compounds have been detected in the groundwater in your vicinity, ARCO would like your permission to sample your well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. ARCO or our representative will be contacting you in regards to accessing your well.

In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled at ARCO's expense.

May 13, 1992

Page 2

Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

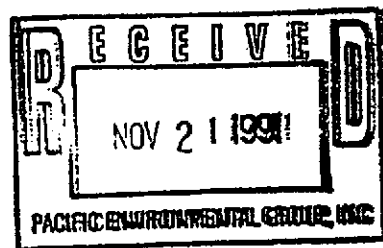
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

330-06-13
Project: ~~366-06-13~~, Arco 608, San Lorenzo

Enclosed are the results from 8 water samples received at Sequoia Analytical on November 13, 1991. The requested analyses are listed below:

| SAMPLE # | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|----------|--------------------|--------------------|--------------------|
| 1112557 | Water, 590H | 11/13/91 | EPA 5030/8015/8020 |
| 1112558 | Water, 642H | 11/13/91 | EPA 5030/8015/8020 |
| 1112559 | Water, 17203VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112560 | Water, 17197VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112561 | Water, 17371VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112562 | Water, 17393VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112563 | Water, 17200VM | 11/13/91 | EPA 5030/8015/8020 |
| 1112564 | Water, TB1 | 11/13/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

V Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | | |
|------------------------------------|-----------------------------------------------------|---------------------------|
| Pacific Environmental Group | Client Project ID: 300-06.13, Arco 608, San Lorenzo | Sampled: Nov 13, 1991 |
| 1601 Civic Center Drive, Suite 202 | Matrix Descript: Water | Received: Nov 13, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Nov 14-15, 1991 |
| Attention: Dan Landry | First Sample #: 111-2557 | Reported: Nov 20, 1991 |

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

| Sample Number | Sample Description | Low/Medium B.P. | Benzene | Toluene | Ethyl | Xylenes |
|---------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Hydrocarbons | | | Benzene | |
| | | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) |
| 111-2557 | 590H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2558 | 642H | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2559 | 17203VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2560 | 17197VM | N.D. | N.D. | N.D. | N.D. | N.D. |
| 111-2561 | 17371VM | 870 | 9.0 | 1.0 | 2.1 | 4.5 |
| 111-2562 | 17393VM | 31 | N.D. | N.D. | N.D. | N.D. |
| 111-2563 | 17200VM | 440 | 2.7 | N.D. | N.D. | 12 |
| 111-2564 | TB1 | N.D. | N.D. | N.D. | N.D. | N.D. |

| | | | | | |
|--------------------------|----|------|------|------|------|
| Detection Limits: | 30 | 0.30 | 0.30 | 0.30 | 0.30 |
|--------------------------|----|------|------|------|------|

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Tague
Mickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112557, 61

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Ethyl- | | | |
|------------------------------------|--------------|--------------|--------------|--------------|
| | Benzene | Toluene | Benzene | Xylenes |
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 | Nov 15, 1991 |
| QC Sample #: | GBLK111591 | GBLK111591 | GBLK111591 | GBLK111591 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 10 | 11 | 11 | 31 |
| Matrix Spike % Recovery: | 100 | 110 | 110 | 103 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 9.5 | 0.0 | 0.0 | 6.3 |

SEQUOIA ANALYTICAL

Vickie Tague
Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Dan Landry

Client Project ID: 300-06.13, Arco 608, San Lorenzo

QC Sample Group: 1112558-60, 62-64

Reported: Nov 20, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl-Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| | Method: | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | L. Laikhtman | L. Laikhtman | L. Laikhtman | L. Laikhtman |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 | Nov 14, 1991 |
| QC Sample #: | BLK111491 | BLK111491 | BLK111491 | BLK111491 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 11 | 11 | 11 | 33 |
| Matrix Spike % Recovery: | 110 | 110 | 110 | 110 |
| Conc. Matrix Spike Dup.: | 11 | 11 | 11 | 33 |
| Matrix Spike Duplicate % Recovery: | 110 | 110 | 110 | 110 |
| Relative % Difference: | 0.0 | 0.0 | 0.0 | 0.0 |

SEQUOIA ANALYTICAL

[Signature]
Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

| Sample I.D. | Lab no. | Container no. | Matrix | | | Constituents | | Sampling date | Sampling time | BTEX EPA 821-820 | EPA 821-820 EPA 146-001-0015 | TPH Modified B015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/> | Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/> | TPH EPA 418.1-53-503E | EPA 801-801B | EPA 824-824D | EPA 825-827D | TCLP Metals <input type="checkbox"/> VOC <input type="checkbox"/> POC <input type="checkbox"/> | Cadmium TLC <input type="checkbox"/> 823-823D | Lead <input type="checkbox"/> 823-823D 7420 | COP | COPY | | | |
|-------------------------------------------------------------|---------|---------------|--------|-------|-------|--------------|------|------------------|---------------|-----------------------|---------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|--------------|--------------|--------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------|-----|------|--|--------------------------------------|---------------|
| | | | Soil | Water | Other | Ice | Acid | | | | | | | | | | | | | | | | | | |
| S90H | | 3 | | X | | | X | 11/13/91 | | X | | | | | | | | | | | | | | Special detection Limit/reporting | |
| 642H | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17207VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17197VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | Special QA/QC |
| 17371VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17393VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | |
| 17200VM | | 3 | | X | | | X | | | | | | | | | | | | | | | | | | Remarks |
| TB-1 | | 2 | | X | | | X | | | | | | | | | | | | | | | | | | |
| Condition of sample: | | | | | | | | | | Temperature received: | | | | | | | | | | | | | | | |
| Retrieved by sampler <i>Debra Wilson</i> | | | | | | | | Date 11/13/91 | | Time 16:45 | | Received by <i>Don George</i> | | | | | | | | | | | | | |
| Relinquished by <i>Don George</i> | | | | | | | | Date 11-12-91 | | Time 4:28 | | Received by <i>Stephen Patis</i> | | | | | | | | | | | | | |
| Relinquished by | | | | | | | | Date 11-13 | | Time 4:28 | | Received by laboratory | | | | | | | | | | | | | |
| Turnaround time | | | | | | | | | | | | | | | | | | | | | | | | | |
| Priority Rush 1 Business Day <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rush 2 Business Days <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Expedited 5 Business Days <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard 10 Business Days <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | |

Distribution: White copy — Laboratory; Canary copy — ARCO Environmental Engineering; Pink copy — Consultant
 APPC-3292 (2-91)

ARCO Products Company

1000 California Street, Suite 1000
Oakland, California 94612
San Francisco, California 94102
Telephone 415 571 2400



92 MAY 13 10 11:29

May 13, 1992

Terry Johansen
17302 Via Magdalena
San Lorenzo, California 94580

Re: Groundwater Analytical Results
17302 Via Magdalena
San Lorenzo, California 94580

Dear Terry Johansen:

This letter presents the results of the sampling of the irrigation water-supply well on your property at the above address. ARCO Products Company (ARCO) and Pacific Environmental Group, Inc. (PACIFIC) would like to express their gratitude for your cooperation in the completion of this project. PACIFIC, on behalf of ARCO performed the groundwater sampling to determine the source and extent of gasoline contamination found in shallow groundwater, and whether gasoline is present in the well on your property. The groundwater sample was collected on October 21, 1991 and was submitted to a laboratory to be analyzed for total petroleum hydrocarbons calculated as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX compounds) in groundwater.

Laboratory analysis of the groundwater sample collected from your well has detected TPH-g and benzene at concentrations of 72 and 0.64 parts per billion (ppb), respectively. These compounds are indicative of gasoline. Benzene is a known carcinogen. In accordance with the provisions of Proposition 65, a health risk assessment was performed. Based on the risk assessment, which included the assumption that 1 liter of groundwater would be consumed on a daily basis for 35 years, there is no significant increase in risk.

It is ARCO's and PACIFIC's understanding that your well is used only for irrigation purposes. This well should not be used for any other purpose, other than irrigation unless permitted or advised differently by the Alameda County

May 13, 1992

Page 2

Department of Environmental Health. The risk assessment is currently being reviewed by Alameda County, and pending review of the risk assessment, your well may be recommended to be turned off. Because of the presence of gasoline compounds detected in the groundwater from the well, ARCO would like permission to sample the well on a quarterly basis through 1992. If this is agreeable with you, please sign and date the enclosed copy of this letter and return the signed copy to me as soon as possible. In the event of any changes in the characteristics of the water (color, odor, clarity, etc.), please contact ARCO, and the well will be resampled immediately at ARCO's expense. Please call me at (415)-571-2434, and/or Ms. Pamela Evans of Alameda County Health Care Services (ACHCS) at (415)-271-4320 if you have any questions regarding the contents of this letter.

ARCO or PACIFIC, on behalf of ARCO, will contact you shortly in regards to this sampling activity.

Sincerely,

ARCO Products Company

ORIGINAL SIGNED BY:

Chuck Carmel
Environmental Engineer

Attachments: Attachment A - Certified Analytical Results and Chain-of-Custody Documentation

cc: Mr. Chris Winsor, ARCO Products Company
Mr. Charles Lapin, ARCO Products Company
Mr. John Meck, ARCO Products Company
Ms. Pamela Evans, Alameda County Health Care Services

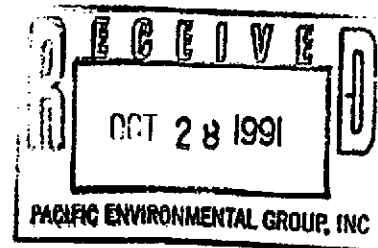
ATTACHMENT A

**CERTIFIED ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Deb Moser

Project: 330-06.13, Arco 0608, San Lorenzo

Enclosed are the results from 2 water samples received at Sequoia Analytical on October 21, 1991. The requested analyses are listed below:

| | | | |
|---------|--------------|----------|--------------------|
| 1103899 | Water, 17302 | 10/21/91 | EPA 5030/8015/8020 |
| 1103900 | Water, TB-1 | 10/21/91 | EPA 5030/8015/8020 |

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

SEQUOIA ANALYTICAL

Vickie Tague
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

| | | |
|------------------------------------|------------------------------------------------------|------------------------|
| Pacific Environmental Group | Client Project ID: 330-06.13, Arco 0608, San Lorenzo | Sampled: Oct 21, 1991 |
| 1601 Civic Center Drive, Suite 202 | Matrix Descript: Water | Received: Oct 21, 1991 |
| Santa Clara, CA 95050 | Analysis Method: EPA 5030/8015/8020 | Analyzed: Oct 21, 1991 |
| Attention: Deb Moser | First Sample #: 110-3899 | Reported: Oct 24, 1991 |

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

| Sample Number | Sample Description | Low/Medium B.P. | Ethyl | | | |
|---------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | Hydrocarbons | Benzene | Toluene | Benzene | Xylenes |
| | | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) | $\mu\text{g/L}$ (ppb) |
| 110-3899 | 17302 | 72 | 0.64 | N.D. | 0.44 | N.D. |
| 110-3900 | TB-1 | N.D. | N.D. | N.D. | N.D. | N.D. |

Detection Limits:

30

0.30

0.30

0.30

0.30

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager

1103899.PPP <1>



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
1601 Civic Center Drive, Suite 202
Santa Clara, CA 95050
Attention: Deb Moser

Client Project ID: 330-06.13, Arco 0608, San Lorenzo

QC Sample Group: 1103899-3900

Reported: Oct 24, 1991

QUALITY CONTROL DATA REPORT

| ANALYTE | Benzene | Toluene | Ethyl Benzene | Xylenes |
|------------------------------------|--------------|--------------|---------------|--------------|
| Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Analyst: | J. Jencks | J. Jencks | J. Jencks | J. Jencks |
| Reporting Units: | µg/L | µg/L | µg/L | µg/L |
| Date Analyzed: | Oct 21, 1991 | Oct 21, 1991 | Oct 21, 1991 | Oct 21, 1991 |
| QC Sample #: | BLK102191 | BLK102191 | BLK102191 | BLK102191 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Spike Conc. Added: | 10 | 10 | 10 | 30 |
| Conc. Matrix Spike: | 9.9 | 10 | 9.9 | 30 |
| Matrix Spike % Recovery: | 99 | 100 | 99 | 100 |
| Conc. Matrix Spike Dup.: | 9.3 | 9.5 | 9.2 | 28 |
| Matrix Spike Duplicate % Recovery: | 93 | 95 | 92 | 93 |
| Relative % Difference: | 6.3 | 5.1 | 7.3 | 6.9 |

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL


Vickie Tague
Project Manager

| | |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| % Recovery: | $\frac{\text{Conc. of M.S.} - \text{Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$ |
| Relative % Difference: | $\frac{\text{Conc. of M.S.} - \text{Conc. of M.S.D.}}{(\text{Conc. of M.S.} + \text{Conc. of M.S.D.}) / 2} \times 100$ |

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEG
 REC. BY (PRINT): AN

MASTER LOG NO. / PAGE:
 DATE OF LOG-IN: 10/21/91

| CIRCLE THE APPROPRIATE RESPONSE | | LAB SAMPLE # | DASH # | CLIENT IDENTIFICATION | CONTAINER DESCRIPTION | SAMPLE MATRIX | DATE SAMP. | REMARKS: CONDITION (ETC) |
|--------------------------------------------------------------------------------|---------------------------------------------------|--------------|--------|-----------------------|-----------------------|---------------|------------|--------------------------|
| 1. Custody Seal(s): | Present / <u>Absent</u> Intact / Broken* | 1103899 | A-C | 17302 | 3XUOA | W | 10/21 | |
| 2. Custody Seal Nos.: | <u>X</u> | 1103900 | A-B | TR-1 | 2XUCA | ↓ | ↓ | |
| 3. Chain-of-Custody Records: | <u>Present</u> / Absent* | | | | | | | |
| 4. Traffic Reports or Packing List: | Present / <u>Absent</u> | | | | | | | |
| 5. Airbill: | Airbill / Sticker Present / <u>Absent</u> | | | | | | | |
| 6. Airbill No.: | <u>X</u> | | | | | | | |
| 7. Sample Tags: | <u>Present</u> / Absent* | | | | | | | |
| Sample Tag Nos.: | <u>Listed</u> / Not Listed on Chain-of-Custody | | | | | | | |
| 8. Sample Condition: | <u>Intact</u> / Broken* / Leaking* | | | | | | | |
| 9. Does Information on custody reports, traffic reports and sample tags agree? | <u>Yes</u> / No* | | | | | | | |
| 10. Proper Preservatives Used: | <u>Yes</u> / No* | | | | | | | |
| 11. Date Rec. at Lab: | <u>10/21</u> | | | | | | | |
| 12. Time Rec. at Lab: | <u>1727</u> | | | | | | | |

* If Circled, contact Project Manager and attach record of resolution

