



1900 Powell Street, 12th Floor  
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FAX TRANSMISSION: This cover page plus 1 page.

|             |                          |
|-------------|--------------------------|
| Date        | <b>February 28, 1997</b> |
| Time        | <b>1:27PM</b>            |
| From        | <b>Shellie Fletcher</b>  |
| Project No. |                          |

| Deliver To       | Name Of Firm                            | FAX Number          |
|------------------|---|---------------------|
| <b>Ed Herbst</b> | <b>Herbst Engineering</b>               | <b>916-422-3506</b> |
| <b>Amy Leach</b> | <b>Alameda County Health Department</b> | <b>337-9335</b>     |

THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE PERSON RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, DO NOT USE OR DISCLOSE THIS FACSIMILE. IF YOU HAVE RECEIVED THIS FACSIMILE IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO LEVINE-FRICKE-RECON VIA THE U.S. POSTAL SERVICE. THANK YOU.

**Comments:**

Ed and Amy - I am faxing over the analytical data for the soil and water samples collected at Mr. Doug Day's property located at East 14th Street, Oakland.

Ed - Please transmit a copy of the analytical report to your client, Mr. Day. I will send you a hard copy in the mail for your and Mr. Days files. Please remember that Levine-Fricke-Recon Inc. (LFR) is not providing regulatory interface for this project, therefore, I will not be contacting Amy in regards to the content of this data or the status of the project. I will be on vacation until March 18, 1997. If you should need any samples collected during that time, please contact Jym Schwartz. Please give me a call if you have any questions.

- Shellie

# American Environmental Network

## Certificate of Analysis

DOHS Certification: 1172

AIHA Accreditation: 11134

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LEVINE-FRICKE-RECON  
1900 POWELL ST. 12TH FL.  
EMERYVILLE, CA 94608

REPORT DATE: 02/10/97

DATE(S) SAMPLED: 01/16/97

DATE RECEIVED: 01/17/97

AEN WORK ORDER: 9701158

ATTN: SHELLIE FLETCHER  
CLIENT PROJ. ID: 5827.00  
CLIENT PROJ. NAME: E. 14TH STREET  
C.O.C. NUMBER: 1079

### PROJECT SUMMARY:

On January 17, 1997, this laboratory received 1 water sample(s).

Client requested sample(s) be analyzed for chemical parameters. Results of analysis are summarized on the following page(s). Please see quality control report for a summary of QC data pertaining to this project.

Samples will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Samples may be archived by prior arrangement.

If you have any questions, please contact Client Services at (510) 930-9090.

  
Larry Klein  
Laboratory Director

## American Environmental Network

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## LEVINE-FRICKE-RECON

SAMPLE ID: EXGW  
 AEN LAB NO: 9701158-01  
 AEN WORK ORDER: 9701158  
 CLIENT PROJ. ID: 5827.00

DATE SAMPLED: 01/16/97  
 DATE RECEIVED: 01/17/97  
 REPORT DATE: 02/10/97

| ANALYTE                           | METHOD/<br>CAS# | RESULT       | REPORTING<br>LIMIT | UNITS       | DATE<br>ANALYZED |
|-----------------------------------|-----------------|--------------|--------------------|-------------|------------------|
| <b>BTEX &amp; Gasoline HCs</b>    |                 |              |                    |             |                  |
|                                   | <b>EPA 8020</b> |              |                    |             |                  |
| Benzene                           | 71-43-2         | ND           | 0.5                | ug/L        | 01/27/97         |
| Toluene                           | 108-88-3        | ND           | 0.5                | ug/L        | 01/27/97         |
| Ethylbenzene                      | 100-41-4        | ND           | 0.5                | ug/L        | 01/27/97         |
| Xylenes, Total                    | 1330-20-7       | ND           | 2                  | ug/L        | 01/27/97         |
| Purgeable HCs as Gasoline         | 5030/GCFID      | 1.1 *        | 0.05               | mg/L        | 01/27/97         |
| Methyl t-Butyl Ether              | 1634-04-4       | ND           | 5                  | ug/L        | 01/27/97         |
| <b>#Extraction for TPH</b>        | <b>EPA 3510</b> | -            |                    | Extrn Date  | 01/27/97         |
| <b>TPH as Diesel</b>              | <b>GC-FID</b>   | <b>3.8 *</b> | <b>0.2</b>         | <b>mg/L</b> | <b>01/31/97</b>  |
| <b>Volatile Organic Compounds</b> |                 |              |                    |             |                  |
|                                   | <b>EPA 8240</b> |              |                    |             |                  |
| Acetone                           | 67-64-1         | ND           | 100                | ug/L        | 01/27/97         |
| Benzene                           | 71-43-2         | ND           | 5                  | ug/L        | 01/27/97         |
| Bromodichloromethane              | 75-27-4         | ND           | 5                  | ug/L        | 01/27/97         |
| Bromoform                         | 75-25-2         | ND           | 5                  | ug/L        | 01/27/97         |
| Bromomethane                      | 74-83-9         | ND           | 10                 | ug/L        | 01/27/97         |
| 2-Butanone                        | 78-93-3         | ND           | 100                | ug/L        | 01/27/97         |
| Carbon Disulfide                  | 75-15-0         | ND           | 10                 | ug/L        | 01/27/97         |
| Carbon Tetrachloride              | 56-23-5         | ND           | 5                  | ug/L        | 01/27/97         |
| Chlorobenzene                     | 108-90-7        | ND           | 5                  | ug/L        | 01/27/97         |
| Chloroethane                      | 75-00-3         | ND           | 10                 | ug/L        | 01/27/97         |
| 2-Chloroethyl Vinyl Ether         | 110-75-8        | ND           | 10                 | ug/L        | 01/27/97         |
| Chloroform                        | 67-66-3         | ND           | 5                  | ug/L        | 01/27/97         |
| Chloromethane                     | 74-87-3         | ND           | 10                 | ug/L        | 01/27/97         |
| Dibromochloromethane              | 124-48-1        | ND           | 5                  | ug/L        | 01/27/97         |
| 1,1-Dichloroethane                | 75-34-3         | ND           | 5                  | ug/L        | 01/27/97         |
| 1,2-Dichloroethane                | 107-06-2        | ND           | 5                  | ug/L        | 01/27/97         |
| 1,1-Dichloroethene                | 75-35-4         | ND           | 5                  | ug/L        | 01/27/97         |
| cis-1,2-Dichloroethene            | 156-59-2        | ND           | 5                  | ug/L        | 01/27/97         |
| trans-1,2-Dichloroethene          | 156-60-5        | ND           | 5                  | ug/L        | 01/27/97         |
| 1,2-Dichloropropane               | 78-87-5         | ND           | 5                  | ug/L        | 01/27/97         |
| cis-1,3-Dichloropropene           | 10061-01-5      | ND           | 5                  | ug/L        | 01/27/97         |
| trans-1,3-Dichloropropene         | 10061-02-6      | ND           | 5                  | ug/L        | 01/27/97         |
| Ethylbenzene                      | 100-41-4        | ND           | 5                  | ug/L        | 01/27/97         |
| 2-Hexanone                        | 591-78-6        | ND           | 50                 | ug/L        | 01/27/97         |
| Methylene Chloride                | 75-09-2         | ND           | 20                 | ug/L        | 01/27/97         |
| 4-Methyl-2-pentanone              | 108-10-1        | ND           | 50                 | ug/L        | 01/27/97         |
| Styrene                           | 100-42-5        | ND           | 5                  | ug/L        | 01/27/97         |
| 1,1,2,2-Tetrachloroethane         | 79-34-5         | ND           | 5                  | ug/L        | 01/27/97         |
| Tetrachloroethene                 | 127-18-4        | ND           | 5                  | ug/L        | 01/27/97         |

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LEVINE-FRICKE-RECON

SAMPLE ID: EXGW  
 AEN LAB NO: 9701158-01  
 AEN WORK ORDER: 9701158  
 CLIENT PROJ. ID: 5827.00

DATE SAMPLED: 01/16/97  
 DATE RECEIVED: 01/17/97  
 REPORT DATE: 02/10/97

| ANALYTE               | METHOD/<br>CAS# | RESULT | REPORTING<br>LIMIT | UNITS      | DATE<br>ANALYZED |
|-----------------------|-----------------|--------|--------------------|------------|------------------|
| Toluene               | 108-88-3        | ND     |                    | 5 ug/L     | 01/27/97         |
| 1,1,1-Trichloroethane | 71-55-6         | ND     |                    | 5 ug/L     | 01/27/97         |
| 1,1,2-Trichloroethane | 79-00-5         | ND     |                    | 5 ug/L     | 01/27/97         |
| Trichloroethene       | 79-01-6         | ND     |                    | 5 ug/L     | 01/27/97         |
| Vinyl Acetate         | 108-05-4        | ND     |                    | 50 ug/L    | 01/27/97         |
| Vinyl Chloride        | 75-01-4         | ND     |                    | 10 ug/L    | 01/27/97         |
| Xylenes, Total        | 1330-20-7       | ND     |                    | 10 ug/L    | 01/27/97         |
| #Water Extrn for HCs  |                 | -      |                    | Extrn Date | 01/29/97         |
| Hydrocarbons (IR)     | SM 5520F        | 3.5 *  | 0.5                | mg/L       | 01/31/97         |
| Oil & Grease (IR)     | SM 5520C        | 4.1 *  | 0.5                | mg/L       | 01/31/97         |

Reporting limit elevated for diesel due to high level of target compound. Sample run at dilution.

ND = Not detected at or above the reporting limit  
 \* = Value at or above reporting limit

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AEN (CALIFORNIA)  
QUALITY CONTROL REPORT

AEN JOB NUMBER: 9701158

CLIENT PROJECT ID: 5827.00

Quality Control Summary

All laboratory quality control parameters were found to be within established limits.

Definitions

Laboratory Control Sample (LCS)/Method Spike(s): Control samples of known composition. LCS and Method Spike data are used to validate batch analytical results.

Matrix Spike(s): Aliquot of a sample (aqueous or solid) with added quantities of specific compounds and subjected to the entire analytical procedure. Matrix spike and matrix spike duplicate QC data are advisory.

Method Blank: An analytical control consisting of all reagents, internal standards, and surrogate standards carried through the entire analytical process. Used to monitor laboratory background and reagent contamination.

Not Detected (ND): Not detected at or above the reporting limit.

Relative Percent Difference (RPD): An indication of method precision based on duplicate analysis.

Reporting Limit (RL): The lowest concentration routinely determined during laboratory operations. The RL is generally 1 to 10 times the Method Detection Limit (MDL). Reporting limits are matrix, method, and analyte dependent and take into account any dilutions performed as part of the analysis.

Surrogates: Organic compounds which are similar to analytes of interest in chemical behavior, but are not found in environmental samples. Surrogates are added to all blanks, calibration and check standards, samples, and spiked samples. Surrogate recovery is monitored as an indication of acceptable sample preparation and instrumental performance.

D: Surrogates diluted out.

#: Indicates result outside of established laboratory QC limits.

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QUALITY CONTROL DATA

METHOD: SM 5520

AEN JOB NO: 9701158  
 DATE EXTRACTED: 01/29/97  
 DATE ANALYZED: 01/31/97  
 SAMPLE SPIKED: LCS  
 INSTRUMENT: IR  
 MATRIX: WATER

Laboratory Control Sample

| Analyte | Spike Added (mg/L) | Percent Recovery | QC Limits        |
|---------|--------------------|------------------|------------------|
|         |                    |                  | Percent Recovery |
| Oil     | 6.91               | 90               | 73-112           |

Method Blank Result

| Lab Id.         | Hydrocarbons (mg/L) |
|-----------------|---------------------|
| 012997-BLANK    | ND                  |
| Reporting Limit | 0.5                 |

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## QUALITY CONTROL DATA

METHOD: EPA 3510 GCFID

AEN JOB NO: 9701158  
AEN LAB NO: 0127-BLANK  
DATE EXTRACTED: 01/27/97  
DATE ANALYZED: 01/29/97  
INSTRUMENT: C  
MATRIX: WATER

## Method Blank

|        | Result<br>(mg/L) | Reporting<br>Limit<br>(mg/L) |
|--------|------------------|------------------------------|
| Diesel | ND               | 0.05                         |

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QUALITY CONTROL DATA

METHOD: EPA 3510 GCFID

AEN JOB NO: 9701158  
 DATE EXTRACTED: 01/27/97  
 INSTRUMENT: C  
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery<br>n-Pentacosane |
|---------------|------------|---------|-----------------------------------|
| 01/31/97      | EXGW       | 01      | 88                                |
| QC Limits:    |            |         | 65-125                            |

DATE EXTRACTED: 01/27/97  
 DATE ANALYZED: 01/29/97  
 SAMPLE SPIKED: 9612108-01  
 INSTRUMENT: C

Matrix Spike Recovery Summary

| Analyte | Spike Added<br>(mg/L) | Percent Recovery | RPD | QC Limits        |     |
|---------|-----------------------|------------------|-----|------------------|-----|
|         |                       |                  |     | Percent Recovery | RPD |
| Diesel  | 4.00                  | 103              | 2   | 60-110           | 15  |



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## QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9701158  
AEN LAB NO: 0127-BLANK  
DATE ANALYZED: 01/27/97  
INSTRUMENT: E  
MATRIX: WATER

## Method Blank

| Analyte              | CAS #     | Result<br>(ug/L) | Reporting<br>Limit<br>(ug/L) |
|----------------------|-----------|------------------|------------------------------|
| Benzene              | 71-43-2   | ND               | 0.5                          |
| Toluene              | 108-88-3  | ND               | 0.5                          |
| Ethylbenzene         | 100-41-4  | ND               | 0.5                          |
| Xylenes, Total       | 1330-20-7 | ND               | 2                            |
| HCs as Gasoline      |           | ND mg/L          | 0.05 mg/L                    |
| Methyl t-Butyl Ether | 1634-04-4 | ND               | 5                            |

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QUALITY CONTROL DATA

METHOD: EPA 8020, 5030 GCFID

AEN JOB NO: 9701158  
 INSTRUMENT: E  
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery<br>Fluorobenzene |
|---------------|------------|---------|-----------------------------------|
| 01/27/97      | EXGW       | 01      | 99                                |
| QC Limits:    |            |         | 70-130                            |

DATE ANALYZED: 01/27/97  
 SAMPLE SPIKED: 9701225-03  
 INSTRUMENT: E

Matrix Spike Recovery Summary

| Analyte                     | Spike Added<br>(ug/L) | Percent Recovery | RPD | QC Limits        |     |
|-----------------------------|-----------------------|------------------|-----|------------------|-----|
|                             |                       |                  |     | Percent Recovery | RPD |
| Benzene                     | 16.2                  | 108              | 3   | 85-109           | 17  |
| Toluene                     | 55.5                  | 107              | 2   | 87-111           | 16  |
| Hydrocarbons<br>as Gasoline | 500                   | 108              | 5   | 66-117           | 19  |

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## QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9701158  
 AEN LAB NO: 0126-BLANK  
 DATE ANALYZED: 01/26/97  
 INSTRUMENT: 13  
 MATRIX: WATER

## Method Blank

| Analyte                   | CAS #      | Result<br>(ug/L) | Reporting<br>Limit<br>(ug/L) |
|---------------------------|------------|------------------|------------------------------|
| Acetone                   | 67-64-1    | ND               | 100                          |
| Benzene                   | 71-43-2    | ND               | 5                            |
| Bromodichloromethane      | 75-27-4    | ND               | 5                            |
| Bromoform                 | 75-25-2    | ND               | 5                            |
| Bromomethane              | 74-83-9    | ND               | 10                           |
| 2-Butanone                | 78-93-3    | ND               | 100                          |
| Carbon Disulfide          | 75-15-0    | ND               | 10                           |
| Carbon Tetrachloride      | 56-23-5    | ND               | 5                            |
| Chlorobenzene             | 108-90-7   | ND               | 5                            |
| Chloroethane              | 75-00-3    | ND               | 10                           |
| 2-Chloroethyl Vinyl Ether | 110-75-8   | ND               | 10                           |
| Chloroform                | 67-66-3    | ND               | 5                            |
| Chloromethane             | 74-87-3    | ND               | 10                           |
| Dibromochloromethane      | 124-48-1   | ND               | 5                            |
| 1,1-Dichloroethane        | 75-34-3    | ND               | 5                            |
| 1,2-Dichloroethane        | 107-06-2   | ND               | 5                            |
| 1,1-Dichloroethene        | 75-35-4    | ND               | 5                            |
| cis-1,2-Dichloroethene    | 156-59-2   | ND               | 5                            |
| trans-1,2-Dichloroethene  | 156-60-5   | ND               | 5                            |
| 1,2-Dichloropropane       | 78-87-5    | ND               | 5                            |
| cis-1,3-Dichloropropene   | 10061-01-5 | ND               | 5                            |
| trans-1,3-Dichloropropene | 10061-02-6 | ND               | 5                            |
| Ethylbenzene              | 100-41-4   | ND               | 5                            |
| 2-Hexanone                | 591-78-6   | ND               | 50                           |
| Methylene Chloride        | 75-09-2    | ND               | 20                           |
| 4-Methyl-2-pentanone      | 108-10-1   | ND               | 50                           |
| Styrene                   | 100-42-5   | ND               | 5                            |
| 1,1,2,2-Tetrachloroethane | 79-34-5    | ND               | 5                            |
| Tetrachloroethene         | 127-18-4   | ND               | 5                            |
| Toluene                   | 108-88-3   | ND               | 5                            |
| 1,1,1-Trichloroethane     | 71-55-6    | ND               | 5                            |
| 1,1,2-Trichloroethane     | 79-00-5    | ND               | 5                            |
| Trichloroethene           | 79-01-6    | ND               | 5                            |
| Vinyl Acetate             | 108-05-4   | ND               | 50                           |
| Vinyl Chloride            | 75-01-4    | ND               | 10                           |
| Xylenes, Total            | 1330-20-7  | ND               | 10                           |

American Environmental Network

QUALITY CONTROL DATA

METHOD: EPA 8240

AEN JOB NO: 9701158  
 INSTRUMENT: 13  
 MATRIX: WATER

Surrogate Standard Recovery Summary

| Date Analyzed | Client Id. | Lab Id. | Percent Recovery                  |                        |                      |
|---------------|------------|---------|-----------------------------------|------------------------|----------------------|
|               |            |         | 1,2-Dichloroethane-d <sub>4</sub> | Toluene-d <sub>8</sub> | p-Bromofluorobenzene |
| 01/27/97      | EXGW       | 01      | 110                               | 94                     | 86                   |
| QC Limits:    |            |         | 76-114                            | 88-110                 | 86-115               |

DATE ANALYZED: 01/26/97  
 SAMPLE SPIKED: 9701226-01  
 INSTRUMENT: 13

Matrix Spike Recovery Summary

| Analyte            | Spike Added (ug/L) | Percent Recovery | RPD | QC Limits        |     |
|--------------------|--------------------|------------------|-----|------------------|-----|
|                    |                    |                  |     | Percent Recovery | RPD |
| 1,1-Dichloroethene | 50                 | 108              | 6   | 59-155           | 25  |
| Trichloroethene    | 50                 | 114              | 7   | 71-157           | 25  |
| Benzene            | 50                 | 102              | 6   | 37-151           | 25  |
| Toluene            | 50                 | 98               | 6   | 47-150           | 25  |
| Chlorobenzene      | 50                 | 103              | 5   | 37-160           | 25  |

\*\*\* END OF REPORT \*\*\*

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

R-3, S-3 - ABC  
R-1, S-1 - D, E  
9701158

| Project No.: 5827.00   |         | Project Location: Oakland |                                   | Date: 1/16/96                                     |             | Serial No.: No 1079  |             |  |
|--|---------|---------------------------|-----------------------------------|---|-------------|----------------------|-------------|--|
| Project Name: 4029 E. 14th Street  |         |                           |                                   | Field Logbook No.:                                |             |                      |             |  |
| Sampler (Signature): <i>Phil Barber</i>  |         |                           |                                   | ANALYSES  |             | Samplers: <i>RWB</i> |             |  |
| SAMPLES  |         |                           |                                   |   |             |                      |             |  |
| SAMPLE NO.   | DATE    | TIME                      | LAB SAMPLE NO. <small>LSP</small> | NO. OF CON-TAINERS                                | SAMPLE TYPE | HOLD                 | RUSH        | REMARKS  |
| EXGW   | 1/16/96 | 1622                      | OIA-ME                            | 5   | H2O         |                      |             | * Call Stelley Fletcher for sample analyses<br><br>- 3 VOA LSP<br>- 2 Ambers 1/17/97<br><br>01/24/97 see attached Fax transmission dated 1/24 for requested analysis.<br><br>LSP |
| RELINQUISHED BY: (Signature) <i>Phil Barber</i>  |         | DATE: 1/16/96             | TIME: 17:30                       | RECEIVED BY: (Signature) <i>[Signature]</i>       |             | DATE: 1/17/96        | TIME: 16:00 |  |
| RELINQUISHED BY: (Signature) <i>[Signature]</i>  |         | DATE: 1-17-96             | TIME: 16:40                       | RECEIVED BY: (Signature) <i>Jurgen Palkovitch</i> |             | DATE: 1/17/97        | TIME: 16:50 |  |
| RELINQUISHED BY: (Signature)   |         | DATE:                     | TIME:                             | RECEIVED BY: (Signature)                          |             | DATE:                | TIME:       |  |
| METHOD OF SHIPMENT:  |         | DATE:                     | TIME:                             | LAB COMMENTS:                                     |             |                      |             |  |
| Sample Collector: LEVINE•FRICKE•RECON<br>1900 Powell Street, 12th Floor<br>Emeryville, California 94608-1827<br>(510) 652-4500 |         |                           |                                   | Analytical Laboratory: <i>AEN</i>                 |             |                      |             |  |

\*\* TOTAL PAGE. 013 \*\*

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