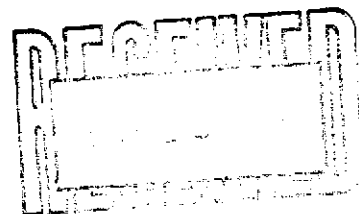


BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

October 3, 1995

Encinal Terminals
1521 Buena Vista Avenue
Alameda CA 94501-0251



Third Quarter 1995 Groundwater Monitoring at
Encinal Real Estate
2020 Sherman Avenue
Alameda, CA

Monitoring Performed on September 8, 1995

RECEIVED
OCT 11 1995
11:00 AM
EPA/REGIONAL OFFICE
SAN JOSE, CA

Groundwater Sampling Report 950908-L-1

This report covers the monitoring of groundwater wells at the Encinal Terminals. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains a groundwater elevation contour map located in the **Professional Engineering Appendix**.

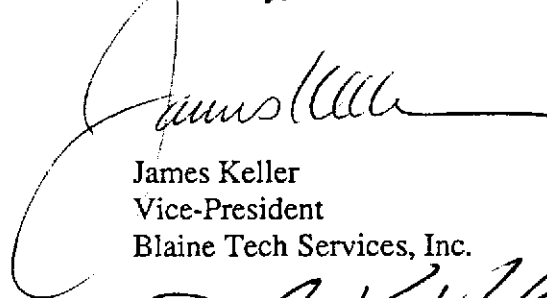
At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

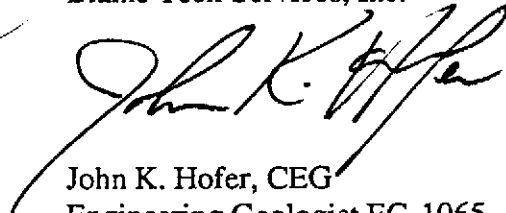
Blaine Tech Services, Inc. employs the services of outside professional firms to conduct independent reviews of our methodologies. Independent Professional Reviews by a certified engineering geologist are directed to the evaluating the efficacy of procedures and equipment employed by Blaine Tech Services, Inc. personnel in the conduct of our technical assignments. Independent Professional Reviews are intentionally limited in scope and do not extend to characterizing environmental conditions at the site or making recommendations.

Please call if you have any questions.

Yours truly,



James Keller
Vice-President
Blaine Tech Services, Inc.



John K. Hofer, CEG
Engineering Geologist EG-1065
Geoconsultants, Inc.

JPK/dk

attachments: Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Professional Engineering Appendix

Table of Well Data and Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | 1,1-DCE | 1,1-DCA | 1,2-DCE | 1,2-DCA | 1,1,1-TCA | TCE | PCE | Vinyl-chloride | TDS |
|-------------|-----------------|--------------------|----------------|--------------|---------|---------|---------|---------|-----------|-----|-----|----------------|-----|
| MW-2 | | | | | | | | | | | | | |
| 1/20/94 | 9.97 | 8.23 | 1.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/24/94 | 9.97 | 9.67 | 0.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/29/94 | 9.97 | 9.24 | 0.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 9.97 | 9.08 | 0.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 9.97 | 9.17 | 0.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/20/95 | 9.97 | -- | -- | Inaccessible | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/29/95 | 9.97 | -- | -- | Inaccessible | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/8/95 | 9.97 | 8.26 | 1.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-4 | | | | | | | | | | | | | |
| 1/20/94 | 14.14 | 9.15 | 4.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/24/94 | 14.14 | 9.62 | 4.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/29/94 | 14.14 | 9.74 | 4.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 14.14 | 9.69 | 4.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 14.14 | 9.74 | 4.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/20/95 | 14.14 | 10.71 | 3.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/29/95 | 14.14 | 10.16 | 3.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/8/95 | 14.14 | 9.31 | 4.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-5 | | | | | | | | | | | | | |
| 1/20/94 | 13.51 | 9.91 | 3.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/24/94 | 13.51 | 10.98 | 2.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/29/94 | 13.51 | 10.65 | 2.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 13.51 | 10.35 | 3.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 13.51 | 10.41 | 3.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/20/95 | 13.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/29/95 | 13.51 | 10.56 | 3.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/8/95 | 13.51 | 9.73 | 3.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | 1,1-DCE | 1,1-DCA | 1,2-DCE | 1,2-DCA | 1,1,1-TCA | TCE | PCE | Vinyl-chloride | TDS (ppm) |
|--------------|-----------------|--------------------|----------------|-------|---------|---------|---------|---------|-----------|------|------|----------------|-----------|
| MW-8 | | | | | | | | | | | | | |
| 1/20/94 | 13.11 | 9.55 | 3.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/24/94 | 13.11 | 12.71 | 0.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/29/94 | 13.11 | 10.56 | 2.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 13.11 | 10.18 | 2.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/94 | 13.11 | 10.16 | 2.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/20/95 | 13.11 | 12.66 | 0.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/29/95 | 13.11 | 10.47 | 2.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/8/95 | 13.11 | 9.70 | 3.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-10 | | | | | | | | | | | | | |
| 3/20/95 | 11.92 | 9.20 | 2.72 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | 3600 |
| 6/29/95 | 11.92 | 6.85 | 4.67 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | 1800 |
| 9/8/95 | 11.92 | 6.64 | 5.28 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| EB | | | | | | | | | | | | | |
| 9/8/95 | -- | -- | -- | -- | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -- |

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on September 8, 1995. Earlier field data and analytical results are drawn from the August 28, 1995 Geomatrix Consultants, Inc. report.

ABBREVIATIONS:

1,1-DCE = 1,1-Dichloroethene
 1,1-DCA = 1,1-Dichloroethane
 1,2-DCE = 1,2-Dichloroethene
 1,2-DCA = 1,2-Dichloroethane
 1,1,1-TCA = 1,1,1-Trichloroethane

TCE = Trichloroethene
 PCE = Tetrachloroethene
 TDS = Total Dissolved Solids
 ppm = parts per million

Analytical Appendix



Inchcape Testing Services

Anamatrix Laboratories

1961 Concourse Drive
 Suite E
 San Jose, CA 95131
 Tel: 408-432-8192
 Fax: 408-432-8198

MR. DON WELTZ
 BLAINE TECH SERVICES INC.
 985 TIMOTHY STREET
 SAN JOSE, CA 95133

Workorder # : 9509076
 Date Received : 09/08/95
 Project ID : 950908-L1
 Purchase Order: N/A

The following samples were received at Anamatrix for analysis :

| ANAMATRIX ID | CLIENT SAMPLE ID |
|--------------|------------------|
| 9509076- 1 | EB |
| 9509076- 2 | MW-10 |

This report is organized in sections according to the specific Anamatrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anamatrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Susan Kraska Yeager
 Susan Kraska Yeager
 Laboratory Director

Janice Wokida
 Project Manager

Date 9/19/95

This report consists of 11 pages.



GC VOA REPORT DESCRIPTION

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Inchcape Testing Services ID number.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labeled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Inchcape Testing Services uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the reported amount exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- Amounts reported are gross values, i.e., not corrected for method blank contamination.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MR. DON WELTZ
BLAINE TECH SERVICES INC.
985 TIMOTHY STREET
SAN JOSE, CA 95133

Workorder # : 9509076
Date Received : 09/08/95
Project ID : 950908-L1
Purchase Order: N/A
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

| ANAMETRIX SAMPLE ID | CLIENT SAMPLE ID | MATRIX | DATE SAMPLED | METHOD |
|------------------------|---------------------|--------|-----------------|--------|
| 9509076- 1 | EB | WATER | 09/08/95 | 8010 |
| 9509076- 2 | MW-10 | WATER | 09/08/95 | 8010 |

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

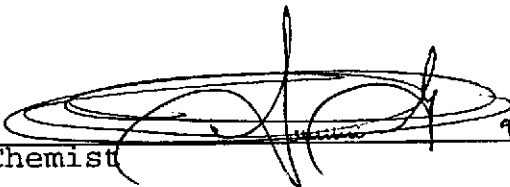
MR. DON WELTZ
BLAINE TECH SERVICES INC.
985 TIMOTHY STREET
SAN JOSE, CA 95133

Workorder # : 9509076
Date Received : 09/08/95
Project ID : 950908-L1
Purchase Order: N/A
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

M. Hassenio 9/13/95
Department Supervisor Date

 9/13/95
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8010
 ANAMETRIX, INC. (408)432-8192

Project ID : 950908-L
 Sample ID : EB
 Matrix : WATER
 Date Sampled : 9/ 8/95
 Date Analyzed : 9/12/95
 Instrument ID : AD15

Anamatrix ID : 9509076-01
 Analyst : *TS*
 Supervisor : *KK*
 Dilution Factor : 1.0
 Conc. Units : ug/L

| CAS No. | COMPOUND NAME | REPORTING LIMIT | AMOUNT DETECTED | Q |
|------------|---------------------------|-----------------|-----------------|---|
| 75-71-8 | Dichlorodifluoromethane | 1.0 | ND | U |
| 74-87-3 | Chloromethane | 1.0 | ND | U |
| 75-01-4 | Vinyl chloride | .50 | ND | U |
| 74-83-9 | Bromomethane | .50 | ND | U |
| 75-00-3 | Chloroethane | .50 | ND | U |
| 75-69-4 | Trichlorofluoromethane | .50 | ND | U |
| 76-13-1 | Trichlorotrifluoroethane | .50 | ND | U |
| 75-35-4 | 1,1-Dichloroethene | .50 | ND | U |
| 75-09-2 | Methylene chloride | 1.0 | ND | U |
| 156-60-5 | trans-1,2-Dichloroethene | .50 | ND | U |
| 75-34-3 | 1,1-Dichloroethane | .50 | ND | U |
| 156-59-2 | cis-1,2-Dichloroethene | .50 | ND | U |
| 67-66-3 | Chloroform | .50 | ND | U |
| 71-55-6 | 1,1,1-Trichloroethane | .50 | ND | U |
| 56-23-5 | Carbon tetrachloride | .50 | ND | U |
| 107-06-2 | 1,2-Dichloroethane | .50 | ND | U |
| 79-01-6 | Trichloroethene | .50 | ND | U |
| 78-87-5 | 1,2-Dichloropropane | .50 | ND | U |
| 75-27-4 | Bromodichloromethane | .50 | ND | U |
| 110-75-8 | 2-Chloroethylvinylether | 1.0 | ND | U |
| 10061-01-5 | cis-1,3-Dichloropropene | .50 | ND | U |
| 10061-02-6 | trans-1,3-Dichloropropene | .50 | ND | U |
| 79-00-5 | 1,1,2-Trichloroethane | .50 | ND | U |
| 127-18-4 | Tetrachloroethene | .50 | ND | U |
| 124-48-1 | Dibromochloromethane | .50 | ND | U |
| 108-90-7 | Chlorobenzene | .50 | ND | U |
| 75-25-2 | Bromoform | .50 | ND | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | .50 | ND | U |
| 541-73-1 | 1,3-Dichlorobenzene | .50 | ND | U |
| 106-46-7 | 1,4-Dichlorobenzene | .50 | ND | U |
| 95-50-1 | 1,2-Dichlorobenzene | .50 | ND | U |

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 80110
 ANAMETRIX, INC. (408)432-8192

Project ID : 950908-L
 Sample ID : MW-10
 Matrix : WATER
 Date Sampled : 9/ 8/95
 Date Analyzed : 9/12/95
 Instrument ID : AD15

Anamatrix ID : 9509076-02
 Analyst : *JK*
 Supervisor : *KK*
 Dilution Factor : 1.0
 Conc. Units : ug/L

| CAS No. | COMPOUND NAME | REPORTING LIMIT | AMOUNT DETECTED | Q |
|------------|---------------------------|-----------------|-----------------|---|
| 75-71-8 | Dichlorodifluoromethane | 1.0 | ND | U |
| 74-87-3 | Chloromethane | 1.0 | ND | U |
| 75-01-4 | Vinyl chloride | .50 | ND | U |
| 74-83-9 | Bromomethane | .50 | ND | U |
| 75-00-3 | Chloroethane | .50 | ND | U |
| 75-69-4 | Trichlorofluoromethane | .50 | ND | U |
| 76-13-1 | Trichlorotrifluoroethane | .50 | ND | U |
| 75-35-4 | 1,1-Dichloroethene | .50 | ND | U |
| 75-09-2 | Methylene chloride | 1.0 | ND | U |
| 156-60-5 | trans-1,2-Dichloroethene | .50 | ND | U |
| 75-34-3 | 1,1-Dichloroethane | .50 | ND | U |
| 156-59-2 | cis-1,2-Dichloroethene | .50 | ND | U |
| 67-66-3 | Chloroform | .50 | ND | U |
| 71-55-6 | 1,1,1-Trichloroethane | .50 | ND | U |
| 56-23-5 | Carbon tetrachloride | .50 | ND | U |
| 107-06-2 | 1,2-Dichloroethane | .50 | ND | U |
| 79-01-6 | Trichloroethene | .50 | ND | U |
| 78-87-5 | 1,2-Dichloropropane | .50 | ND | U |
| 75-27-4 | Bromodichloromethane | .50 | ND | U |
| 110-75-8 | 2-Chloroethylvinylether | 1.0 | ND | U |
| 10061-01-5 | cis-1,3-Dichloropropene | .50 | ND | U |
| 10061-02-6 | trans-1,3-Dichloropropene | .50 | ND | U |
| 79-00-5 | 1,1,2-Trichloroethane | .50 | ND | U |
| 127-18-4 | Tetrachloroethene | .50 | ND | U |
| 124-48-1 | Dibromochloromethane | .50 | ND | U |
| 108-90-7 | Chlorobenzene | .50 | ND | U |
| 75-25-2 | Bromoform | .50 | ND | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | .50 | ND | U |
| 541-73-1 | 1,3-Dichlorobenzene | .50 | ND | U |
| 106-46-7 | 1,4-Dichlorobenzene | .50 | ND | U |
| 95-50-1 | 1,2-Dichlorobenzene | .50 | ND | U |

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8010
 ANAMETRIX, INC. (408)432-8192

Project ID : 950908
 Sample ID : VBLKA1
 Matrix : WATER
 Date Sampled : 0/ 0/ 0
 Date Analyzed : 9/12/95
 Instrument ID : AD15

Anamatrix ID : BS1202I1
 Analyst : *CS*
 Supervisor : *kk*
 Dilution Factor : 1.0
 Conc. Units : ug/L

| CAS No. | COMPOUND NAME | REPORTING LIMIT | AMOUNT DETECTED | Q |
|------------|---------------------------|-----------------|-----------------|---|
| 75-71-8 | Dichlorodifluoromethane | 1.0 | ND | U |
| 74-87-3 | Chloromethane | 1.0 | ND | U |
| 75-01-4 | Vinyl chloride | .50 | ND | U |
| 74-83-9 | Bromomethane | .50 | ND | U |
| 75-00-3 | Chloroethane | .50 | ND | U |
| 75-69-4 | Trichlorofluoromethane | .50 | ND | U |
| 76-13-1 | Trichlorotrifluoroethane | .50 | ND | U |
| 75-35-4 | 1,1-Dichloroethene | .50 | ND | U |
| 75-09-2 | Methylene chloride | 1.0 | ND | U |
| 156-60-5 | trans-1,2-Dichloroethene | .50 | ND | U |
| 75-34-3 | 1,1-Dichloroethane | .50 | ND | U |
| 156-59-2 | cis-1,2-Dichloroethene | .50 | ND | U |
| 67-66-3 | Chloroform | .50 | ND | U |
| 71-55-6 | 1,1,1-Trichloroethane | .50 | ND | U |
| 56-23-5 | Carbon tetrachloride | .50 | ND | U |
| 107-06-2 | 1,2-Dichloroethane | .50 | ND | U |
| 79-01-6 | Trichloroethene | .50 | ND | U |
| 78-87-5 | 1,2-Dichloropropane | .50 | ND | U |
| 75-27-4 | Bromodichloromethane | .50 | ND | U |
| 110-75-8 | 2-Chloroethylvinylether | 1.0 | ND | U |
| 10061-01-5 | cis-1,3-Dichloropropene | .50 | ND | U |
| 10061-02-6 | trans-1,3-Dichloropropene | .50 | ND | U |
| 79-00-5 | 1,1,2-Trichloroethane | .50 | ND | U |
| 127-18-4 | Tetrachloroethene | .50 | ND | U |
| 124-48-1 | Dibromochloromethane | .50 | ND | U |
| 108-90-7 | Chlorobenzene | .50 | ND | U |
| 75-25-2 | Bromoform | .50 | ND | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | .50 | ND | U |
| 541-73-1 | 1,3-Dichlorobenzene | .50 | ND | U |
| 106-46-7 | 1,4-Dichlorobenzene | .50 | ND | U |
| 95-50-1 | 1,2-Dichlorobenzene | .50 | ND | U |

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8010
 ANAMETRIX, INC. (408)432-8192

Project ID : 950908-1
 Matrix : LIQUID

Anamatrix ID : 9509076
 Analyst : *zh*
 Supervisor : *sh*

| | SAMPLE ID | SU1 | SU2 | SU3 |
|----|-----------|-----|-----|-----|
| 1 | VBLKA1 | 89 | 88 | 85 |
| 2 | EB | 88 | 89 | 83 |
| 3 | MW-10 | 85 | 88 | 82 |
| 4 | | | | |
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QC LIMITS

SU1 = Bromochloromethane (64-102)
 SU2 = 1-Chloro-2-fluorobenze (78-117)
 SU3 = 2-Bromochlorobenzene (73-112)

* Values outside of Anamatrix QC limits

EPA METHOD 8010
 INCHCAPE TESTING SERVICES - ANAMETRIX
 (408) 432-8192

LABORATORY CONTROL SAMPLE

Sample ID: LAB CONTROL SAMPLE
 Batch: 9076
 Matrix: WATER
 Date Analyzed: 9/12/95

Laboratory ID: MS120111
 Instrument ID: AD15
 Concentration Units: ug/L
 Analyst: *eg*
 Supervisor: *[Signature]*

| COMPOUND NAME | SPIKE AMOUNT | LCS REC | %REC LCS | %RECOVERY LIMITS |
|--------------------------|--------------|---------|----------|------------------|
| Trichlorotrifluoroethane | 10 | 10.1 | 101% | 65-116 |
| 1,1-Dichloroethene | 10 | 9.6 | 96% | 64-125 |
| trans-1,2-Dichloroethene | 10 | 9.9 | 99% | 77-113 |
| 1,1-Dichloroethane | 10 | 10.6 | 106% | 85-129 |
| cis-1,2-Dichloroethene | 10 | 10.8 | 108% | 78-130 |
| 1,1,1-Trichloroethane | 10 | 10.5 | 105% | 83-125 |
| Trichloroethene | 10 | 9.9 | 99% | 76-124 |
| Tetrachloroethene | 10 | 9.7 | 97% | 80-118 |
| Chlorobenzene | 10 | 8.5 | 85% | 81-130 |
| 1,3-Dichlorobenzene | 10 | 8.6 | 86% | 82-115 |
| 1,4-Dichlorobenzene | 10 | 8.9 | 89% | 85-122 |
| 1,2-Dichlorobenzene | 10 | 8.8 | 88% | 86-122 |

| SURROGATE NAME | SPIKE AMT | SURR. REC | % REC | % REC LIMITS |
|--------------------------|-----------|-----------|-------|--------------|
| Bromochloromethane | 22.4 | 19.8 | 88% | 64-102 |
| 1-Chloro-2-fluorobenzene | 22.4 | 19.5 | 87% | 78-117 |
| 2-Bromochlorobenzene | 22.4 | 18.8 | 84% | 73-112 |



SAMPLE RECEIVING CHECKLIST

WORKORDER NUMBER: 9509076 CLIENT PROJECT ID: 950908-4

COOLER

| | | | |
|--|------------|----|------------|
| Shipping slip (airbill, etc.) present? If YES, enter carrier name and airbill # : _____ | YES | NO | <u>N/A</u> |
| Custody Seal on the outside of cooler? Condition: INTACT _____ BROKEN _____ | YES | NO | <u>N/A</u> |
| Temperature of sample (s) within range? List temperature of cooler (s): <u>2°C</u> | <u>YES</u> | NO | N/A |

SAMPLES

| | | | |
|---|------------|-----------|------------|
| Chain of custody seal present for each container? Condition: INTACT _____ BROKEN _____ | YES | NO | <u>N/A</u> |
| Samples arrived within holding time? | <u>YES</u> | NO | N/A |
| Samples in proper containers for methods requested? Condition of containers: INTACT <input checked="" type="checkbox"/> BROKEN _____ If NO, were samples transferred to proper container? _____ | <u>YES</u> | NO | |
| Were VOA containers received with zero headspace? If NO, was it noted on the chain of custody? _____ | <u>YES</u> | NO | N/A |
| Were container labels complete? (ID, date, time preservative, etc.) | <u>YES</u> | NO | |
| Were samples preserved with the proper preservative? If NO, was the proper preservative added at time of receipt? _____ | YES | NO | <u>N/A</u> |
| pH check of samples required at time of receipt? If YES, pH checked and recorded by: _____ | YES | <u>NO</u> | |
| Sufficient amount of sample received for methods requested? If NO, has the client or lab project manager been notified? _____ | <u>YES</u> | NO | |
| Field blanks received with sample batch? # of Sets: _____ | YES | NO | <u>N/A</u> |
| Trip blanks received with sample batch? # of Sets: _____ | YES | NO | <u>N/A</u> |

CHAIN OF CUSTODY

| | | | |
|---|------------|----|--|
| Chain of custody received with samples? | <u>YES</u> | NO | |
| Has it been filled out completely and in ink? | <u>YES</u> | NO | |
| Sample ID's on chain of custody agree with container labels? | <u>YES</u> | NO | |
| Number of containers indicated on chain of custody agree with number received? | <u>YES</u> | NO | |
| Analysis methods clearly specified? | <u>YES</u> | NO | |
| Sampling date and time indicated? | <u>YES</u> | NO | |
| Proper signatures of sampler, courier, sample custodian in appropriate place? with time and date? | <u>YES</u> | NO | |
| Turnaround time? REGULAR <input checked="" type="checkbox"/> RUSH _____ | | | |

Any NO response and/or any "BROKEN" that was checked must be detailed in the Corrective Action Form.

Sample Custodian: TVA Date: 9/8/95 Project Manager: WJ Date: 9/8/95

Professional Engineering Appendix