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April 13, 1994

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Ms. Madhulla Logan
Alameda County Health Agency
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

**First Quarter 1994 Groundwater Monitoring Report
James River Corporation
San Leandro, California**

Dear Ms. Logan:

This report presents the results of the first quarter of 1994 groundwater monitoring for the James River Corporation facility at 2101 Williams Street, San Leandro, California. This document was prepared for the sole use of the James River Corporation and the ACDEH, the only intended beneficiaries of our work. No other party may rely on the information contained in this report without prior written consent of HLA.

FIRST QUARTER GROUNDWATER MONITORING

Field Investigation

On March 1, 1994, groundwater samples were collected from 8 wells for chemical analysis (Plate 1). Monitoring Wells W-3, W-5, W-6, W-7, W-8, W-9, W-10, and B-1, which range in total depth from 17 to 48 feet, were sampled.

All sampling equipment was steam cleaned before sampling activities began. The equipment was then rinsed with deionized water and placed in clean containers to minimize the possibility of cross-contamination.

Before the eight wells were purged and sampled, water-level measurements were obtained using a steel survey tape graduated in hundredths of a foot. Water-level measurements were also obtained for two wells (W-1 and W-4) that were not scheduled to be sampled. The measurements were repeated twice, or until consecutive measurements differed by less than 0.01 foot. After each water level was recorded, an observation sample was collected from the well and its visual quality was evaluated.

Each well was purged of at least three well volumes of water using a dedicated purge hose for each well and a clean centrifugal pump. Temperature, specific conductance, pH, and turbidity were monitored during purging, and samples were collected after the readings had stabilized (Table 1). Copies of HLA's groundwater sampling forms are attached.

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After purging, the groundwater sample was collected from each well using a clean stainless steel bailer. To minimize the potential for cross-contamination, a new dropline and a different bailer were used for each well. Samples collected for volatile organic analysis (VOA) were decanted into three 40-milliliter VOA bottles. In addition, two 1-liter amber glass bottles of groundwater were collected from Wells W-7 and W-8 for analysis of total petroleum hydrocarbon (TPH) as motor oil. Samples were assigned sequential numbers unrelated to the well of origin (to maintain sample anonymity during laboratory analysis), stored on ice, and delivered with a chain of custody record to Anametrix Laboratories (Anametrix), San Jose, California.

One VOA trip blank was submitted to the laboratory as a quality assurance (QA) check. The purpose of the trip blank was to identify the presence of artifact laboratory chemicals in the sample bottles. This sample was entered on the chain of custody form and delivered to the laboratory with the cooler containing the well samples. A copy of the chain of custody record is attached.

Groundwater Gradient and Flow Direction

Potentiometric surface elevations from past water-level surveys and the March 1994 water-level survey are presented in Table 2. The direction of groundwater flow is toward the southwest at gradient ranging between 0.0027 to 0.005 ft/ft (Plate 2). Groundwater flow direction and gradient data are consistent with data collected from previous monitoring periods.

Chemical Analyses

Samples collected on March 1, 1994, were submitted to Anametrix, which is state certified to perform EPA Test Method 8240. The additional samples collected from Wells W-7 and W-8 were analyzed for the presence of motor oil using EPA Test Method (Modified) 8015.

Table 3 compares November 1993 and March 1994 analytical data. Chemical concentrations reported in March 1994 were in most cases similar or slightly higher than the concentrations detected in November 1993. A substantial decrease in concentrations of the chemicals acetone and MIBK occurred in Well W-10 from the November 1993 and March 1994 sampling event; the concentrations of acetone and MIBK were 210,000 and 6,000 $\mu\text{g/l}$, respectively, in the November event and decreased to 99,000 and 3,600 $\mu\text{g/l}$ in the March event.

During the March 1, 1994 sampling event, HLA collected groundwater from Wells W-7 and W-8 to be analyzed for TPH as motor oil. The intent of this analysis was to monitor the hydrocarbon release from the abandoned cardboard bailer vault located inside the Flexible Packaging Plant. After the samples had been analyzed, it was noted that a laboratory contaminant was found in the Method Blank (see page 1 of Laboratory Results for TPHd). The samples were then analyzed a second time, but the analysis was performed outside the authorized holding time for this analytical method. HLA concludes that the data for Wells W-7 and W-8 for TPH as motor oil are invalid. During the next quarterly monitoring event, these wells will be sampled for TPH as motor oil.

A copy of the laboratory report is attached for all wells sampled.

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Alameda County Health Agency
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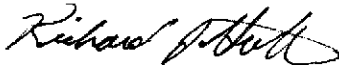
CONCLUSIONS AND RECOMMENDATIONS

Results of quarterly groundwater sampling and analysis performed during March 1994, indicate that chlorinated hydrocarbons continue to be present in the shallow groundwater beneath the James River facility in San Leandro. As stated in HLA's letter report to James River dated February 11, 1994, it is evident that the chlorinated hydrocarbons detected in the shallow groundwater at the James River San Leandro facility originated from an upgradient offsite source, possibly 1964 Williams Street. James River is committed to remediating soil and groundwater problems resulting from their activities; however, they should not be required to remediate groundwater containing chlorinated hydrocarbons that have migrated onto their facility from an offsite source.

The next groundwater monitoring event is scheduled to take place in June 1994. If you have any questions regarding this report, please contact either of the undersigned at (415) 883-0112.

Very truly yours,

HARDING LAWSON ASSOCIATES



Richard J. Hutton
Senior Hydrologist



R. Bruce Scheibach, R.G. 5062
Principal Hydrogeologist

cc: Mr. Mel Lawyer, James River Corporation

Attachments: Table 1: Field Parameter Measurements of Water Purged from Wells
Before Sampling
Table 2: Water-Level Measurements
Table 3: Analytical Results for Groundwater Samples
Plate 1: Area Map
Plate 2: Groundwater Level and Contour Map
Plate 3: Groundwater Quality Analytical Results, March 1, 1994
Groundwater Sampling Forms
Chain of Custody Form
Anametrix Analytical Data

RJH/RBS:gj/gj33984-JR

Table 1. Field Parameter Measurements of Water Purged from Wells Before Sampling

James River Corporation
San Leandro, California
March 1, 1994

Well No.	Gallons Purged	pH	Specific Conductance* (μ mhos/cm)	Temperature (° C)	Turbidity (NTU)
B-1	0	7.2	560	19.0	16
	25	7.3	560	19.0	8
	50	7.3	560	19.0	5
	73	7.3	560	19.0	4
W-3	0	6.5	848	22.0	29
	15	6.6	648	21.0	13
	30	6.7	594	21.0	10
	51	6.7	594	21.0	8
W-5	0	6.7	495	20.0	>100
	4	6.8	495	20.0	>100
	8	6.9	550	20.0	>100
	11	6.9	495	20.0	58
W-6	0	6.7	540	21.0	>100
	4	6.8	550	20.0	>100
	8	6.8	550	20.0	>100
	13	6.8	550	20.0	>100
W-7	0	6.8	580	17.0	23
	20	6.8	580	17.0	13
	40	6.8	570	18.0	8
	49	6.8	570	18.0	6
W-8	0	6.5	406	17.0	56
	15	6.6	456	18.0	23
	30	6.7	456	18.0	10
	46	6.7	456	18.0	8

* at 25° C
 μ mhos/cm Micromhos per centimeter
° C Degrees Celsius

Table 1. Field Parameter Measurements of Water Purged from Wells Before Sampling

James River Corporation
 San Leandro, California
 March 1, 1994
 (Continued)

Well No.	Gallons Purged	pH	Specific Conductance* (μ mhos/cm)	Temperature (° C)	Turbidity (NTU)
W-9	0	7.0	560	19.0	>100
	15	7.0	616	19.0	88
	30	7.0	570	18.0	25
	40	7.0	560	19.0	13
W-10	0	6.4	684	18.0	24
	4	6.3	672	19.0	20
	8	6.3	672	19.0	14
	11	6.3	672	19.0	9

* at 25° C
 μ mhos/cm Micromhos per centimeter
 ° C Degrees Celsius

Table 2. Water-Level Measurements

James River Corporation
San Leandro, California

Well Number	Date	Top of Well Casing Elevation (feet above MSL)	Depth to Water Below Top of Casing (feet)	Water Table Elevation (feet above MSL)
W-1	9-6-90	20.67	13.15	7.52
	12-27-90	20.67	12.67	8.00
	8-27-91	20.67	12.98	7.69
	11-19-91	20.67	13.03	7.64
	2-13-92	20.67	10.54	10.13
	5-22-92	20.67	11.94	8.73
	2-19-93	20.67	8.90	11.77
	11-22-93	20.67	12.31	8.36
	3-1-94	20.67	10.72	9.95
W-3	9-6-90	20.80	13.37	7.43
	12-27-90	20.80	12.89	7.91
	8-27-91	20.80	13.00	7.80
	11-19-91	20.80	13.25	7.55
	2-13-92	20.80	10.84	9.96
	5-22-92	20.80	12.22	8.58
	2-19-93	20.80	9.30	11.50
	11-22-93	20.80	12.47	8.33
	3-1-94	20.80	10.97	9.83
W-4	9-6-90	21.00	13.50	7.50
	12-27-90	21.00	13.07	7.93
	8-27-91	21.00	13.34	7.66
	11-19-91	21.00	13.35	7.65
	2-13-92	21.00	10.92	10.08
	5-22-92	21.00	12.33	8.67
	2-19-93	21.00	9.53	11.47
	11-22-93	21.00	12.64	8.36
	3-1-94	21.00	11.08	9.92
W-5	9-6-90	21.64	14.22	7.42
	12-27-90	21.64	13.62	8.02
	8-27-91	21.64	14.03	7.61
	11-19-91	21.64	14.04	7.60
	2-13-92	21.64	12.68	8.96
	5-22-92	21.64	12.98	8.66
	2-19-93	21.64	9.92	11.72
	11-22-93	21.64	13.30	8.34
	3-1-94	21.64	11.75	9.89

Table 2. Water-Level Measurements

James River Corporation
San Leandro, California
(Continued)

Well Number	Date	Top of Well Casing Elevation (feet above MSL)	Depth to Water Below Top of Casing (feet)	Water Table Elevation (feet above MSL)
W-6	9-6-90	21.05	13.53	7.52
	12-27-90	21.05	13.04	8.01
	8-27-91	21.05	13.34	7.71
	11-19-91	21.05	13.37	7.68
	2-13-92	21.05	10.88	10.17
	5-22-92	21.05	12.30	8.75
	2-19-93	21.05	9.26	11.79
	11-22-93	21.05	12.64	8.41
	3-1-94	21.05	11.14	9.91
W-7	9-6-90	20.41	13.47	6.94
	12-27-90	20.41	13.08	7.33
	8-27-91	20.41	13.32	7.09
	11-19-91	20.41	13.34	7.07
	2-13-92	20.41	11.28	9.13
	5-22-92	20.41	12.36	8.05
	2-19-93	20.41	9.98	10.43
	11-22-93	20.41	12.62	7.79
	3-1-94	20.41	11.20	9.21
W-8	9-6-90	20.50	12.98	7.52
	12-27-90	20.50	12.58	7.92
	8-27-91	20.50	12.78	7.72
	11-19-91	20.50	12.81	7.69
	2-13-92	20.50	10.60	9.90
	5-22-92	20.50	11.80	8.70
	2-19-93	20.50	9.12	11.38
	11-22-93	20.50	12.07	8.43
	3-1-94	20.50	10.63	9.87

Table 2. Water-Level Measurements

James River Corporation
San Leandro, California
(Continued)

Well Number	Date	Top of Well Casing Elevation (feet above MSL)	Depth to Water Below Top of Casing (feet)	Water Table Elevation (feet above MSL)
W-9	9-6-90	20.16	13.00	7.16
	12-27-90	20.16	12.56	7.60
	8-27-91	20.16	12.84	7.32
	11-19-91	20.16	12.84	7.32
	2-13-92	20.16	10.78	9.38
	5-22-92	20.16	11.90	8.26
	2-19-93	20.16	9.38	10.78
	11-22-93	20.16	12.11	8.05
	3-1-94	20.16	10.71	9.45
W-10	9-6-90	20.22	----	----
	12-27-90	20.22	----	----
	8-27-91	20.22	----	----
	11-19-91	20.22	13.58	6.64
	2-13-92	20.22	11.06	9.16
	5-22-92	20.22	12.58	7.64
	2-19-93	20.22	9.60	10.62
	11-22-93	20.22	12.87	7.35
	3-1-94	20.22	11.30	8.92
B-1	9-6-90	20.59	13.12	7.47
	12-27-90	20.59	12.68	7.91
	8-27-91	20.59	12.95	7.64
	11-19-91	20.59	12.95	7.64
	2-13-92	20.59	10.72	9.87
	5-22-92	20.59	11.91	8.68
	2-19-93	20.59	9.04	11.55
	11-22-93	20.59	12.22	8.37
	3-1-94	20.59	10.73	9.86

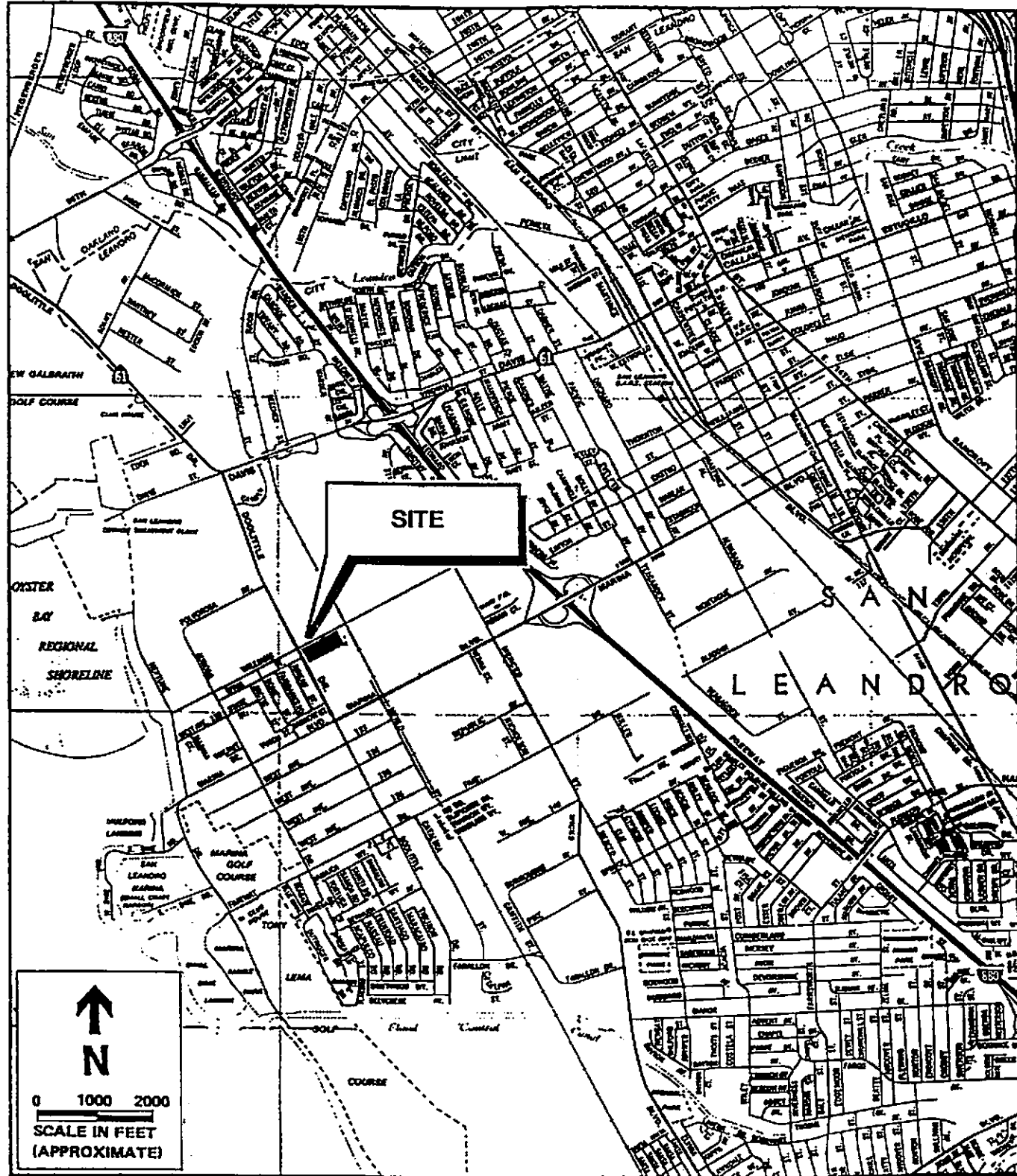
Data recorded after 11-22-93 were provided by Harding Lawson Associates, Novato, CA. Data recorded on all dates prior to 11-22-93 shown above were provided by Brown & Caldwell Consultants, Emeryville, CA.

Table 3: Analytical Results for Groundwater Samples

**James River Corporation
San Leandro, California
(Concentrations in ug/l)**

Well Name	Sample Date	Benzene	Ethylbenzene	Toluene	Xylenes	TCE	Vinyl Chloride	PCE	TCA	CIS-1,2 DCE	1,1 DCA	Acetone	MIBK
W-3	Nov-93	<5	<5	<5	<5	<5	26	<5	<5	14	<5	<20	<10
	Mar-94	<5	<5	<5	<5	<5	<10	<5	<5	25	<5	62	<10
W-5	Nov-93	<50	<50	<50	<50	500	160	2,100	<50	1,000	<50	<200	<100
	Mar-94	<50	<50	<50	<50	460	<100	2,600	<50	1,200	<50	<200	<100
W-6	Nov-93	<10	<10	<10	<10	170	<10	280	<10	<10	<10	23	<20
	Mar-94	<5	<5	<5	<5	160	<10	220	<5	56	<5	<20	<10
W-7	Nov-93	<10	<10	<10	<10	160	<20	190	<10	15	<10	<40	<20
	Mar-94	<5	<5	<5	<5	230	<10	220	<5	21	<5	<20	<10
W-8	Nov-93	<5	<5	<5	<5	3	130	<5	<5	150	3	NA	NA
	Mar-94	<5	<5	<5	<5	<5	180	<5	<5	250	<5	<20	<10
W-9	Nov-93	<5	<5	<5	<5	92	<5	11	5	<5*	3	<20	<10
	Mar-94	<5	<5	<5	<5	110	<10	13	<5	<5	<5	<20	<10
W-10	Nov-93	<5,000	<5,000	<5,000	<5,000	<5,000	<10,000	<5,000	<5,000	<5,000	<5,000	210,000	6,000
	Mar-94	<1,300	<1,300	<1,300	<1,300	<1,300	<2500	<1,300	<1,300	<1,300	<1,300	99,000	3,600
B-1	Nov-93	<5	<5	<5	<5	<5	<5	3	<5	<5	<5	<20	<10
	Mar-94	<5	<5	<5	<5	<5	<10	<5	<5	<5	<5	<20	<10

* 4 ug/l of 1,1-DCE detected in W-9 on Nov-93



SOURCE: "Reproduced with permission granted by THOMAS BROS. MAPS. This map is copyrighted by THOMAS BROS. MAPS. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without permission."

PLATE

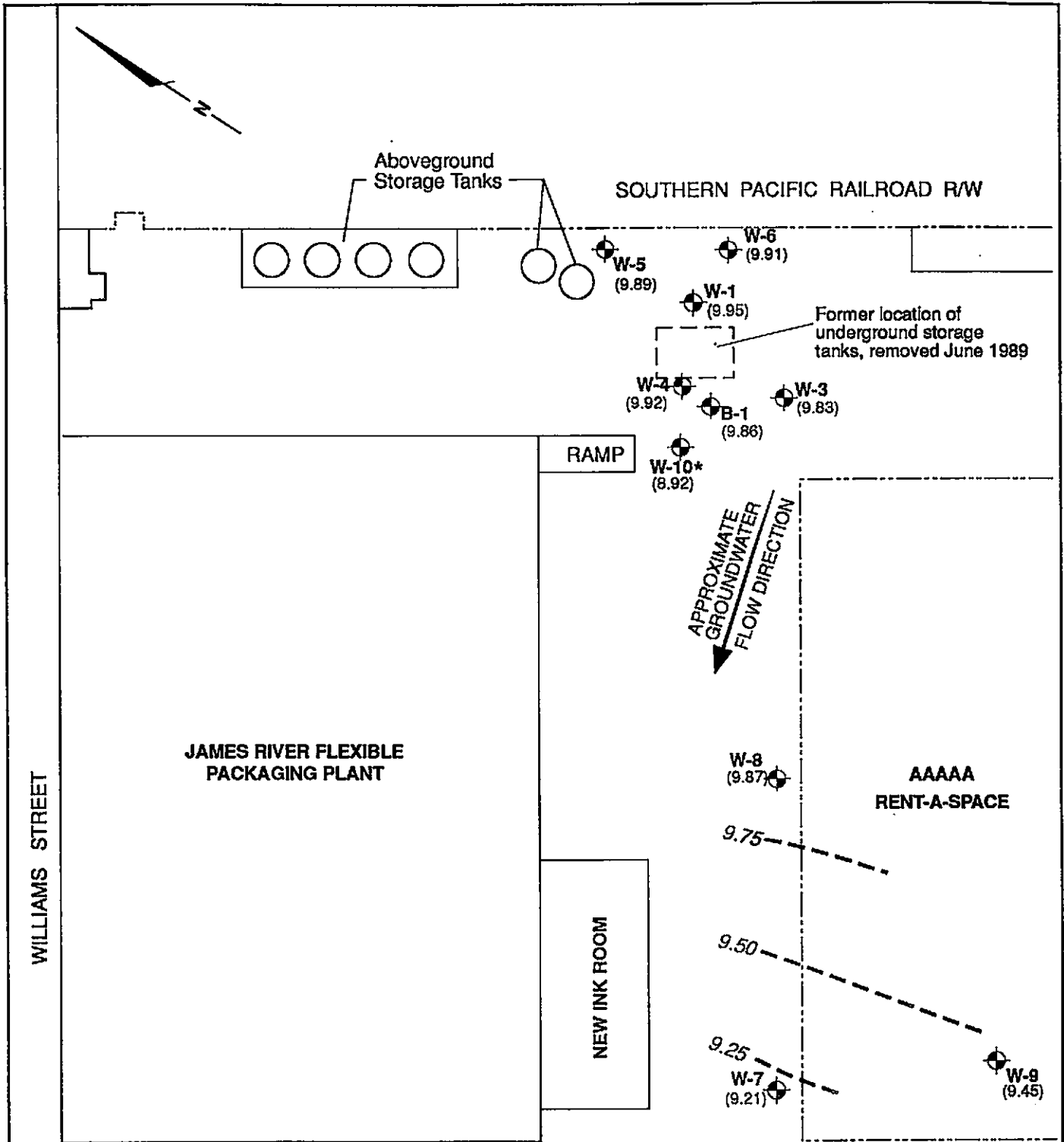
1



Harding Lawson Associates
Engineering and Environmental Services

Area Map
James River Corporation
2101 Williams Street
San Leandro, California

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
	26560 1		1/94	



EXPLANATION

W-7 (9.21) Groundwater Elevation (in feet MSL) * Data Not Used in Contouring Measured March 1, 1994

----- Property Line

9.75 - - - - Groundwater Potentiometric Contour (in feet MSL)

0 30 60
APPROXIMATE SCALE IN FEET

033194DJP



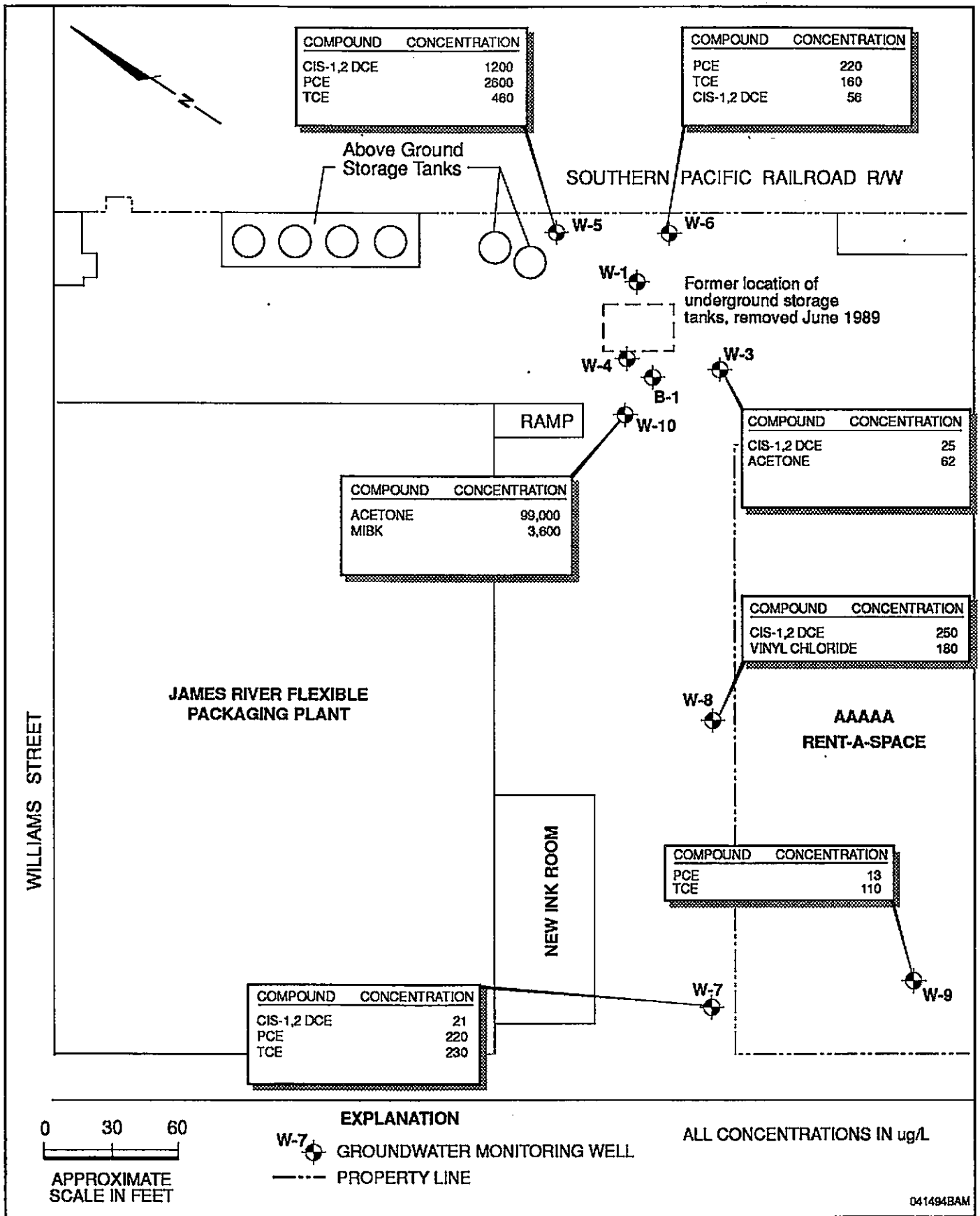
Harding Lawson Associates
Engineering and Environmental Services

Groundwater Level and Contour Map
James River Corporation
2101 Williams Street
San Leandro, California

PLATE

2

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
DJPc	26560 1		2/94	4/94



Harding Lawson Associates
Engineering and
Environmental Services

Groundwater Quality Analytical Results
March 1, 1994
James River Corporation
2101 Williams Street
San Leandro, California

PLATE

3

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
	26560 1		4/94	

GROUNDWATER SAMPLING FORMS

ANAMETRIX ANALYTICAL DATA



Inchcape Testing Services

Anamatrix Laboratories

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

MR. RICK HUTTON
 HARDING LAWSON ASSOCIATES - NOVATO
 105 DIGITAL DRIVE
 NOVATO, CA 94949

Workorder # : 9403034
 Date Received : 03/02/94
 Project ID : 26560.1
 Purchase Order: N/A

The following samples were received at Anamatrix for analysis :

ANAMATRIX ID	CLIENT SAMPLE ID
9403034- 1	9403JR01
9403034- 2	9403JR02
9403034- 3	9403JR03
9403034- 4	9403JR04
9403034- 5	9403JR05
9403034- 6	9403JR06
9403034- 7	9403JR07
9403034- 8	9403JR08
9403034- 9	9403JR09

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 us as soon as possible. Thank you for using Anamatrix.

Corinne Khan for
 Doug Robbins
 Laboratory Director

03/21/94
 Date

This report consists of 22 pages.



ANAMATRIX REPORT DESCRIPTION GCMS

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 Anamatrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anamatrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

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 labelled "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

Anamatrix 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 amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

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. RICK HUTTON
HARDING LAWSON ASSOCIATES - NOVATO
105 DIGITAL DRIVE
NOVATO, CA 94949

Workorder # : 9403034
Date Received : 03/02/94
Project ID : 26560.1
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9403034- 1	9403JR01	WATER	03/01/94	8240
9403034- 2	9403JR02	WATER	03/01/94	8240
9403034- 3	9403JR03	WATER	03/01/94	8240
9403034- 4	9403JR04	WATER	03/01/94	8240
9403034- 5	9403JR05	WATER	03/01/94	8240
9403034- 6	9403JR06	WATER	03/01/94	8240
9403034- 7	9403JR07	WATER	03/01/94	8240
9403034- 8	9403JR08	WATER	03/01/94	8240
9403034- 9	9403JR09	WATER	03/01/94	8240

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

MR. RICK HUTTON
HARDING LAWSON ASSOCIATES - NOVATO
105 DIGITAL DRIVE
NOVATO, CA 94949

Workorder # : 9403034
Date Received : 03/02/94
Project ID : 26560.1
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems.

Paul Gowan 3-15-94
Department Supervisor Date

Denise Powell 3-15-94
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1 Anamatrix ID : 9403034-01
 Sample ID : 9403JR01 W-9 Analyst : MP
 Matrix : WATER Supervisor : PG
 Date Sampled : 3/ 1/94 Dilution Factor : 1.0
 Date Analyzed : 3/14/94 Conc. Units : ug/L
 Instrument ID : MSD1

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	110.	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	13.	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1
Sample ID : 9403JR02
Matrix : WATER
Date Sampled : 3/ 1/94
Date Analyzed : 3/14/94
Instrument ID : MSD1

W-7

Anamatrix ID : 9403034-02
Analyst : ~~BP~~
Supervisor : PG
Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	21.	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	230.	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	220.	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
 ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1
 Sample ID : 9403JR03
 Matrix : WATER
 Date Sampled : 3/ 1/94
 Date Analyzed : 3/14/94
 Instrument ID : MSD1

W-8

Anamatrix ID : 9403034-03
 Analyst : *DP*
 Supervisor : *PG*
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	180.	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	250.	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1 Anametrix ID : 9403034-04
 Sample ID : 9403JR04 W-10 Analyst : *BP*
 Matrix : WATER Supervisor : *PG*
 Date Sampled : 3/ 1/94 Dilution Factor : 250.0
 Date Analyzed : 3/14/94 Conc. Units : ug/L
 Instrument ID : MSD1

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	2500.	ND	U
75-01-4	Vinyl chloride	2500.	ND	U
74-83-9	Bromomethane	2500.	ND	U
75-00-3	Chloroethane	2500.	ND	U
75-69-4	Trichlorofluoromethane	1300.	ND	U
75-35-4	1,1-Dichloroethene	1300.	ND	U
76-13-1	Trichlorotrifluoroethane	1300.	ND	U
67-64-1	Acetone	5000.	99000.	
75-15-0	Carbon disulfide	1300.	ND	U
75-09-2	Methylene chloride	1300.	ND	U
156-60-5	Trans-1,2-dichloroethene	1300.	ND	U
75-34-3	1,1-Dichloroethane	1300.	ND	U
156-59-2	Cis-1,2-dichloroethene	1300.	ND	U
78-93-3	2-Butanone	5000.	ND	U
67-66-3	Chloroform	1300.	ND	U
71-55-6	1,1,1-Trichloroethane	1300.	ND	U
56-23-5	Carbon tetrachloride	1300.	ND	U
108-05-4	Vinyl acetate	2500.	ND	U
71-43-2	Benzene	1300.	ND	U
107-06-2	1,2-Dichloroethane	1300.	ND	U
79-01-6	Trichloroethene	1300.	ND	U
78-87-5	1,2-Dichloropropane	1300.	ND	U
75-27-4	Bromodichloromethane	1300.	ND	U
10061-01-5	Cis-1,3-dichloropropene	1300.	ND	U
108-10-1	4-Methyl-2-pentanone	2500.	3600.	
108-88-3	Toluene	1300.	ND	U
10061-02-6	Trans-1,3-dichloropropene	1300.	ND	U
79-00-5	1,1,2-Trichloroethane	1300.	ND	U
127-18-4	Tetrachloroethene	1300.	ND	U
591-78-6	2-Hexanone	2500.	ND	U
124-48-1	Dibromochloromethane	1300.	ND	U
108-90-7	Chlorobenzene	1300.	ND	U
100-41-4	Ethylbenzene	1300.	ND	U
1330-20-7	Xylene (Total)	1300.	ND	U
100-42-5	Styrene	1300.	ND	U
75-25-2	Bromoform	1300.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	1300.	ND	U
541-73-1	1,3-Dichlorobenzene	1300.	ND	U
106-46-7	1,4-Dichlorobenzene	1300.	ND	U
95-50-1	1,2-Dichlorobenzene	1300.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
 ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1
 Sample ID : 9403JR05 B-1
 Matrix : WATER
 Date Sampled : 3/ 1/94
 Date Analyzed : 3/14/94
 Instrument ID : MSD1

Anamatrix ID : 9403034-05
 Analyst : DP
 Supervisor : PG
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
 ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1 Anamatrix ID : 9403034-06
 Sample ID : 9403JR06 W-3 Analyst : DP
 Matrix : WATER Supervisor : PG
 Date Sampled : 3/ 1/94 Dilution Factor : 1.0
 Date Analyzed : 3/14/94 Conc. Units : ug/L
 Instrument ID : MSD1

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	62.	
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	25.	
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1 Anamatrix ID : 9403034-07
 Sample ID : 9403JR07 TRIP BLANK Analyst : *MP*
 Matrix : WATER Supervisor : *PG*
 Date Sampled : 3/ 1/94 Dilution Factor : 1.0
 Date Analyzed : 3/14/94 Conc. Units : ug/L
 Instrument ID : MSD1

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1 Anamatrix ID : 9403034-08
 Sample ID : 9403JR08 W-6 Analyst : ~~DF~~
 Matrix : WATER Supervisor : PG
 Date Sampled : 3/ 1/94 Dilution Factor : 1.0
 Date Analyzed : 3/14/94 Conc. Units : ug/L
 Instrument ID : MSD1

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	56.	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	160.	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	220.	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1 Anamatrix ID : 9403034-09
 Sample ID : 9403JR09 W-5 Analyst : ~~MP~~
 Matrix : WATER Supervisor : ~~KG~~
 Date Sampled : 3/ 1/94 Dilution Factor : 10.0
 Date Analyzed : 3/14/94 Conc. Units : ug/L
 Instrument ID : MSD1

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	100.	ND	U
75-01-4	Vinyl chloride	100.	ND	U
74-83-9	Bromomethane	100.	ND	U
75-00-3	Chloroethane	100.	ND	U
75-69-4	Trichlorofluoromethane	50.	ND	U
75-35-4	1,1-Dichloroethene	50.	ND	U
76-13-1	Trichlorotrifluoroethane	50.	ND	U
67-64-1	Acetone	200.	ND	U
75-15-0	Carbon disulfide	50.	ND	U
75-09-2	Methylene chloride	50.	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.	1200.	U
78-93-3	2-Butanone	200.	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
108-05-4	Vinyl acetate	100.	ND	U
71-43-2	Benzene	50.	ND	U
107-06-2	1,2-Dichloroethane	50.	ND	U
79-01-6	Trichloroethene	50.	460.	U
78-87-5	1,2-Dichloropropane	50.	ND	U
75-27-4	Bromodichloromethane	50.	ND	U
10061-01-5	Cis-1,3-dichloropropene	50.	ND	U
108-10-1	4-Methyl-2-pentanone	100.	ND	U
108-88-3	Toluene	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.	2600.	U
591-78-6	2-Hexanone	100.	ND	U
124-48-1	Dibromochloromethane	50.	ND	U
108-90-7	Chlorobenzene	50.	ND	U
100-41-4	Ethylbenzene	50.	ND	U
1330-20-7	Xylene (Total)	50.	ND	U
100-42-5	Styrene	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 8240
 ANAMETRIX, INC. (408)432-8192

Project ID :
 Sample ID : VBLKFO
 Matrix : WATER
 Date Sampled : 0/ 0/ 0
 Date Analyzed : 3/14/94
 Instrument ID : MSD1

Anamatrix ID : BM1402A2
 Analyst : DP
 Supervisor : RG
 Dilution Factor : 1.0
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
74-87-3	Chloromethane	10.	ND	U
75-01-4	Vinyl chloride	10.	ND	U
74-83-9	Bromomethane	10.	ND	U
75-00-3	Chloroethane	10.	ND	U
75-69-4	Trichlorofluoromethane	5.	ND	U
75-35-4	1,1-Dichloroethene	5.	ND	U
76-13-1	Trichlorotrifluoroethane	5.	ND	U
67-64-1	Acetone	20.	ND	U
75-15-0	Carbon disulfide	5.	ND	U
75-09-2	Methylene chloride	5.	ND	U
156-60-5	Trans-1,2-dichloroethene	5.	ND	U
75-34-3	1,1-Dichloroethane	5.	ND	U
156-59-2	Cis-1,2-dichloroethene	5.	ND	U
78-93-3	2-Butanone	20.	ND	U
67-66-3	Chloroform	5.	ND	U
71-55-6	1,1,1-Trichloroethane	5.	ND	U
56-23-5	Carbon tetrachloride	5.	ND	U
108-05-4	Vinyl acetate	10.	ND	U
71-43-2	Benzene	5.	ND	U
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	ND	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	ND	U
100-42-5	Styrene	5.	ND	U
75-25-2	Bromoform	5.	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	ND	U
541-73-1	1,3-Dichlorobenzene	5.	ND	U
106-46-7	1,4-Dichlorobenzene	5.	ND	U
95-50-1	1,2-Dichlorobenzene	5.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8240
ANAMETRIX, INC. (408)432-8192

Project ID : 26560.1
Matrix : LIQUID

Anametrix ID : 9403034
Analyst : *MP*
Supervisor : *PG*

	SAMPLE ID	SU1	SU2	SU3
1	VBLKFO	94	100	99
2	VLCSB1	94	100	101
3	9403JR09	92	100	100
4	9403JR04	94	101	101
5	9403JR06	93	98	101
6	9403JR03	94	98	101
7	9403JR02	95	99	100
8	9403JR08	93	98	101
9	9403JR05	94	99	98
10	9403JR07	94	100	98
11	9403JR01	93	99	99
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

QC LIMITS

SU1 = 1,2-Dichloroethane-d4 (75-113)
 SU2 = Toluene-d8 (83-110)
 SU3 = 1,4-Bromofluorobenzene (82-114)

* Values outside of Anametrix QC limits

LABORATORY CONTROL SPIKE RECOVERY FORM --- EPA METHOD 624/8240
 ANAMETRIX, INC. (408)432-8192

Project/Case : Anamatrix ID : MM1401A2
 Matrix : WATER Analyst : DP
 Date Sampled : 0/ 0/ 0 Supervisor : PG
 Date Analyzed : 3/14/94 SDG/Batch :
 Instrument ID : MSD1 Sample ID : VLCSB1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	39	78	72-145
Benzene	50	0	51	102	83-125
Trichloroethene	50	0	51	102	61-140
Toluene	50	0	53	106	82-123
Chlorobenzene	50	0	55	110	82-125

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

MR. RICK HUTTON
HARDING LAWSON ASSOCIATES - NOVATO
105 DIGITAL DRIVE
NOVATO, CA 94949

Workorder # : 9403034
Date Received : 03/02/94
Project ID : 26560.1
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9403034- 2	9403JR02	WATER	03/01/94	TPHd
9403034- 3	9403JR03	WATER	03/01/94	TPHd

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

MR. RICK HUTTON
HARDING LAWSON ASSOCIATES - NOVATO
105 DIGITAL DRIVE
NOVATO, CA 94949

Workorder # : 9403034
Date Received : 03/02/94
Project ID : 26560.1
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- These samples were reextracted for diesel outside of hold time due to contamination present in the method blank for the original extraction.

Cheeryl Balmer 3/2/94
Department Supervisor Date

Ernest Petuk 03/12/94
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9403034
Matrix : WATER
Date Sampled : 03/01/94
Date Extracted: 03/08/94

Project Number : 26560.1
Date Released : 03/21/94
Instrument I.D.: HP19

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9403034-02	9403JR02 (W-7)	03/10/94	100	310	99%
9403034-03	9403JR03 (W-8)	03/10/94	100	220	103%
BM0811F9	METHOD BLANK	03/10/94	100	180	47%

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
The surrogate recovery limits for C25 are 30-130%.

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as motor oil is determined by GCFID following sample extraction by EPA Method 3510.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Erin Robert
Analyst

03/21/94.
Date

Cheryl Palmer 3/21/94
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.: 9403034
Matrix : WATER
Date Sampled : 03/01/94
Date Extracted: 03/16/94

Project Number : 26560.1
Date Released : 03/21/94
Instrument I.D.: HP9

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9403034-02	9403JR02 (W-7)	03/18/94	100	ND	70%
9403034-03	9403JR03 (W-8)	03/18/94	100	170	70%
BM1611F9	METHOD BLANK	03/18/94	100	ND	70%

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
The surrogate recovery limits for O-terphenyl are 30-130%.

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as motor oil is determined by GCFID following sample extraction by EPA Method 3510.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

223 [Signature]
Analyst

03/21/94.
Date

Cheryl Balmer 3/21/94
Supervisor Date

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 3510 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE
 Matrix : WATER
 Date Sampled : N/A
 Date Extracted: 03/16/94
 Date Analyzed : 03/18/94

Anamatrix I.D. : MM1611F9
 Analyst : AP
 Supervisor : *CS*
 Date Released : 03/21/94
 Instrument I.D.: HP9

COMPOUND	SPIKE AMT (ug/L)	LCS REC (ug/L)	% REC LCS	LCSD REC (ug/L)	% REC LCSD	RPD	% REC LIMITS
DIESEL	1250	980	78%	1000	80%	2%	47-130
SURROGATE			83%		85%		30-130

* Quality control limits established by Anamatrix, Inc.

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
 EPA METHOD 3510 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE
 Matrix : WATER
 Date Sampled : N/A
 Date Extracted: 03/08/94
 Date Analyzed : 03/09/94

Anamatrix I.D. : MM0811F9
 Analyst : AC
 Supervisor : S
 Date Released : 03/21/94
 Instrument I.D.: HP19

COMPOUND	SPIKE AMT (ug/L)	LCS REC (ug/L)	% REC LCS	LCSD REC (ug/L)	% REC LCSD	RPD	% REC LIMITS
DIESEL	1250	980	78%	950	76%	-3%	47-130
SURROGATE			33%		39%		30-130

* Quality control limits established by Anamatrix, Inc.

CHAIN OF CUSTODY FORM

