

November 19, 1993

Mr. Barney M. Chan  
Hazardous Materials Specialist  
Department of Environmental Health  
80 Swan Way  
Oakland, California 94621

Subject: American National Can Company  
Oakland, California Facility

Dear Mr. Chan:

Rust Environment & Infrastructure, Inc. (RUST) has completed a tenth round of quarterly groundwater monitoring for the subject site, the sixth round following the revised groundwater monitoring plan (dated April 27, 1992). This round of monitoring was conducted between September 27 and September 30, 1993.

While completing this round of sampling, monitoring wells GW-2 in Area 3 and TW-1 in Area 2 had thin layers of floating free product. Due to the presence of free product in these wells, representative groundwater samples could not be collected. In complying with requests outlined in your February 5, 1993 letter, free product identified during monitoring was removed from each well and stored in DOT-approved 55-gallon drums for future off-site disposal.

Since the presence of product precluded the collection of a sample from GW-2 for analysis, the sample from MW-6 was analyzed for semi-volatile organic compounds. Groundwater samples from all other monitoring wells were collected and analyzed in accordance with the revised monitoring plan.

Analysis of sample MW-6 by EPA Method 625 revealed low concentrations of five phenolic compounds that historically had never been detected in this well. Anamatrix Laboratories has indicated in a letter dated November 2, 1993 that the results may be due to laboratory error during the preparation of a matrix spike and matrix spike duplicate sample. Anamatrix reanalyzed the original MW-6 sample after the holding time had expired and the phenolic compounds were not detected. Obviously, these results do not prove water quality conditions at MW-6. However, the likelihood of the phenolic compounds being attributed to laboratory contamination is reasonable and therefore the results do not warrant concern at this time. We will certainly perform the EPA Method 625 analysis of this well during the upcoming quarterly sampling round to be conducted at the end of December, 1993. These results will be used to

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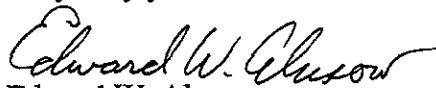
Mr. Barney M. Chan  
November 19, 1993  
Page 2

confirm water quality in well MW-6. Other analytical results obtained from this round of groundwater monitoring do not reveal any remarkable changes from previous sampling events.

With this letter, RUST is forwarding the results obtained during this quarterly monitoring event. Table 1 is a summary of groundwater levels and product thickness measurements recorded on September 27, 1993. Plate 15 is a map of these groundwater elevations measurements. Table 2 provides a summary of the results from analysis of groundwater samples collected. A detailed laboratory analytical report is included with this letter. Results from the reanalysis of MW-6 and Anamatrix's November 2 letter explaining their error are appended to the end of the laboratory analytical report.

If you have any questions, please call me at (518) 458-1313.

Very truly yours,

  
Edward W. Alusow  
Senior Project Manager

EWA/mhh

cc: J. Peters, ANC  
J. Moran, Esq., ANC  
L. Feldman, SFBRWQCB

MHHCHANOAK.DOC

**TABLE 1**  
**AMERICAN NATIONAL CAN COMPANY**  
**OAKLAND, CALIFORNIA, FACILITY**  
**Summary of Water Level Measurements**

WELL NO.	M.P. EL.	3/1/93			6/2/93			9/27/93			DEPTH TO PRODUCT	DEPTH TO WATER	W.T. EL.
		DEPTH TO PRODUCT	DEPTH TO WATER	W.T. EL.	DEPTH TO PRODUCT	DEPTH TO WATER	W.T. EL.	DEPTH TO PRODUCT	DEPTH TO WATER	W.T. EL.			
MW-1	15.47		10.12	5.35		11.15	4.32		12.90	2.57			
MW-2	14.86	8.81	8.79	6.05		9.23	5.63	10.83	10.86	4.02			
MW-3	14.56		7.96	6.60		8.55	6.01	10.05	10.06	4.51			
MW-4	15.27		10.38	4.89		11.35	3.92		12.15	3.12			
MW-5	14.73	9.97	10.08	4.74	10.85	11.18	3.82	11.56	11.95	3.10			
MW-6	13.24		8.74	4.50		9.73	3.51		10.37	2.87			
MW-7	16.20		11.48	4.72		12.37	3.83		13.05	3.15			
MW-8	12.90		8.58	4.32		9.42	3.48		10.06	2.84			
MW-9	11.69		7.98	3.71		8.86	2.83		9.41	2.28			
MW-10	13.03		8.38	4.65		9.34	3.69		10.02	3.01			
MW-11	14.49		9.28	5.21		10.21	4.28		10.94	3.55			
MW-12	16.81		7.66	9.15		7.12	9.69		7.77	9.04			
MW-13	18.31		8.34	9.97		9.05	9.26		9.30	9.01			
MW-14	12.00		8.16	3.84		9.04	2.96		9.92	2.08			
MW-15	17.88		10.42	7.46		11.53	6.35		12.22	5.66			
MW-16	12.26		7.87	4.39		8.73	3.53		9.45	2.81			
MW-17	9.09		3.66	5.43		4.94	4.15		5.67	3.42			
MW-18	13.10		8.38	4.72	not accessible				10.03	3.07			
MW-19	13.12		8.44	4.68		9.42	3.70		10.10	3.02			
MW-20	13.14		8.32	4.82		9.27	3.87		9.95	3.19			
MW-21	12.86		8.08	4.78		9.00	3.86		9.64	3.22			
TW-1	17.76	10.11	10.14	7.62	11.15	11.18	6.60	12.02	12.03	5.74			
GW-1	15.35	9.94	9.97	5.40	10.68	10.69	4.67	* 12.67	12.67	2.68			
GW-2	13.10	8.80	8.86	4.29	9.71	9.72	3.39	* 10.36	10.36	2.74			
GW-3	11.55		7.34	4.21		8.25	3.30		8.82	2.73			
GW-4	11 70		8.30	3.40		8.98	2.72		9.45	2.25			
GW-5	17.72		7.08	10.64		7.69	10.03		8.45	9.27			
GW-6	19 78	11.59	11.78	8.16	13.00	13.05	6.77		14.40	5.38			

\* Indicates a thin film (.01-foot thick) of product was detected on the water surface with an oil/water interface probe.  
All elevations (EL.) are expressed in feet above mean sea level.  
Depths are measured in feet below the well measuring point (M.P.).  
Estimated product specific gravity of 0.83 was used to calculate an adjusted depth to water in wells containing product.

F.P.  
**TABLE 2**  
**AMERICAN NATIONAL CAN COMPANY**  
**OAKLAND, CALIFORNIA, FACILITY**  
**Summary of Quarterly Ground Water Analytical Results - September, 1993**

ANALYSIS	AREA - 2		AREA - 3								AREA - 4		
	MW-21	TW-1	MW-1	FB-1	MW-6	MW-7	MW-18	MW-19	DUPX-1	MW-20	MW-8	MW-9	MW-14
<b>Volatile Organics</b> (EPA Methods 624)(ug/l)													
Dilution Factor	--	--	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	--	--
Vinyl Chloride	--	--	3 J	nd	nd	nd	nd	nd	nd	nd	nd	--	--
Chloroethane	--	--	nd	nd	nd	nd	nd	nd	3 J	nd	nd	--	--
1,1-Dichloroethene	--	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--
1,1-Dichloroethane	--	--	nd	nd	52	nd	nd	nd	nd	nd	nd	--	--
Chloroform	--	--	nd	17	nd	nd	nd	nd	nd	nd	nd	--	--
1,1,1-Trichloroethane	--	--	nd	nd	5 J	nd	nd	nd	nd	nd	nd	--	--
Benzene	--	--	10	nd	nd	nd	nd	10	10	nd	nd	--	--
Tetrachloroethene	--	--	nd	nd	nd	nd	nd	nd	nd	3 J	nd	--	--
Chlorobenzene	--	--	18	nd	nd	nd	nd	48	50	nd	nd	--	--
Ethylbenzene	--	--	8	nd	nd	nd	nd	nd	nd	nd	nd	--	--
Total Xylenes	--	--	12	nd	nd	nd	nd	4 J	4 J	nd	nd	--	--
1,3-Dichlorobenzene	--	--	5 J	nd	nd	nd	nd	3 J	3 J	nd	nd	--	--
1,4-Dichlorobenzene	--	--	32	nd	nd	nd	nd	20	21	nd	nd	--	--
1,2-Dichlorobenzene	--	--	27	nd	nd	nd	nd	27	28	nd	nd	--	--
Total	--	--	115 J	17	57 J	nd	nd	112 J	119 J	3 J	nd	--	--
TICS Total	--	--	140 J	0	0	8 J	0	110 J	140 J	0	0	--	--
<b>Semi-Volatile Organics</b> (EPA Methods 625)(ug/l)													
Dilution Factor	--	--	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	--	--	--
Phenol	--	--	nd	nd	7 J	nd	nd	nd	nd	nd	--	--	--
2-Chlorophenol	--	--	nd	nd	27	nd	nd	nd	nd	nd	--	--	--
1,3-Dichlorobenzene	--	--	3 J	nd	nd	nd	nd	nd	nd	nd	--	--	--
1,4-Dichlorobenzene	--	--	18	nd	nd	nd	nd	9 J	12	nd	--	--	--
1,2-Dichlorobenzene	--	--	16	nd	nd	nd	nd	10	14	nd	--	--	--
Naphthalene	--	--	8 J	nd	nd	nd	nd	nd	nd	nd	--	--	--
4-Chloro-3-methylphenol	--	--	nd	nd	31	nd	nd	nd	nd	nd	--	--	--
2-Methylnaphthalene	--	--	4 J	nd	nd	nd	nd	30	45	nd	--	--	--
4-Nitrophenol	--	--	nd	nd	9 J	nd	nd	nd	nd	nd	--	--	--
Fluorene	--	--	3 J	nd	nd	nd	nd	nd	nd	nd	--	--	--
Pentachlorophenol	--	--	nd	nd	44 J	nd	nd	nd	nd	nd	--	--	--
Phenanthrene	--	--	nd	nd	nd	nd	nd	6 J	7 J	nd	--	--	--
Bis (2-Ethylhexyl) Phthalate	--	--	6 J	nd	5 J	nd	nd	5 J	7 J	nd	--	--	--
Total	--	--	58 J	0	123 J	0	0	60 J	85 J	0	--	--	--
TICS Total	--	--	320 J	53 J	110 J	0	0	630 J	470 J	0	--	--	--
<b>TPH as Gasoline</b> (EPA Methods 5030/8015)(ug/l)	--	--	--	--	--	--	--	--	--	--	nd	nd	nd
<b>BTEX</b> (EPA Methods 5030/8020)(ug/l)													
Benzene	--	--	--	--	--	--	--	--	--	--	--	nd	nd
Toluene	--	--	--	--	--	--	--	--	--	--	--	nd	nd
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	nd	nd
Total Xylenes	--	--	--	--	--	--	--	--	--	--	--	nd	nd
<b>TPH as Diesel</b> (EPA Method 3510)(ug/l)	230	--	11000	nd	220	180	82	33000	39000	nd	280	--	--
<b>PCBs</b> (EPA Method 8080)(ug/l)													
Aroclor-1260	--	--	7.7	nd	nd	nd	nd	6.5	7.7	nd	nd	--	--
<b>Metals</b>													
Nickel (filtered)	nd	--	--	--	--	--	--	--	--	--	--	--	--
Zinc (filtered)	20.2	--	--	--	--	--	--	--	--	--	--	--	--

-- indicates compound was not analyzed for.      nd indicates compound was not detected.  
 J indicates compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value.  
 FB-1 is a field blank at MW-1.      DUP X-1 is a field duplicate of sample MW-19.  
 \* Due to surrogate recovery, sample was extracted and analyzed twice. The results shown above are for the reanalysis which exceed the holding time by one day.  
 Both results are in the lab reports.



# Inchcape Testing Services

## Anamatrix Laboratories

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

MR. EDWARD ALUSOW  
 RUST ENVIRONMENT AND INFRASTRUCTURE  
 12 METRO PARK ROAD  
 ALBANY, NY 12205

Workorder # : 9309363  
 Date Received : 09/29/93  
 Project ID : 02345-01983  
 Purchase Order: 29518

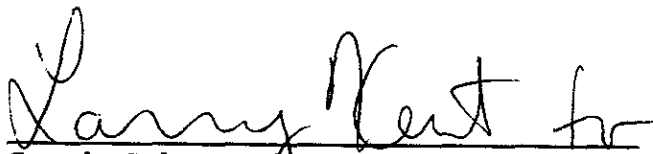
The following samples were received at Anamatrix, Inc. for analysis :

ANAMATRIX ID	CLIENT SAMPLE ID
9309363- 1	2:MW-21

This report consists of 10 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

  
 Sarah Schoen, Ph.D.  
 Laboratory Director

10-12-93  
 Date

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309363  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309363- 1	2:MW-21	WATER	09/29/93	TPHd

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309363  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: TPH

QA/QC SUMMARY :

- The concentration reported as diesel for sample 2:MW-21 is primarily due to the presence of a heavier petroleum product of hydrocarbon range C18-C36, possibly motor oil.

Cheryl Baierman 10/4/93  
Department Supervisor Date

Peggie Dawson 10/5/93  
Chemist Date

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

Anametrix W.O.: 9309363  
Matrix : WATER  
Date Sampled : 09/29/93  
Date Extracted: 09/29/93

Project Number : 02345-01983  
Date Released : 10/04/93  
Instrument I.D.: HP9 & HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9309363-01	2:MW-21	10/01/93	50	230	55%
BS2911F1	METHOD BLANK	09/29/93	50	ND	74%

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 diesel is determined by GCFID following sample extraction by EPA Method 3510.

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

Peggie Dawson 10/5/93  
Analyst Date

Cheyl Balmer 10/4/93  
Supervisor Date



TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT  
 EPA METHOD 3550 WITH GC/FID  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE  
 Matrix : WATER  
 Date Sampled : N/A  
 Date Extracted: 09/29/93  
 Date Analyzed : 09/29/93

Anamatrix I.D. : MS2911F1  
 Analyst : RD  
 Supervisor : [Signature]  
 Date Released : 10/04/93  
 Instrument I.D.: HP9

COMPOUND	SPIKE AMT (ug/L)	REC LCS (ug/L)	% REC LCS	% REC LIMITS
Diesel	1250	1060	85%	47-130
SURROGATE			73%	30-130

\*Limits established by Anamatrix, Inc.

# ANAMETRIX REPORT DESCRIPTION INORGANICS

## Analytical Data Report (ADR)

The ADR contains tabulated results for inorganic analytes. All field samples, QC samples and blanks were prepared and analyzed according to procedures in the following references:

- ▶ "Test Methods for Evaluating Solid Waste," SW-846, EPA, 3rd Edition, November 1986.
- ▶ "Methods for Chemical Analysis of Water and Wastes," EPA, 3rd Edition, 1983.
- ▶ CCR Title 22, Section 66261, Appendix II, California Waste Extraction Test.
- ▶ CCR Title 22, Section 66261, Appendix XI, Organic Lead.
- ▶ "Standard Methods for the Examination of Water and Wastewater," APHA, AWWA, WEF, 18th Edition, 1992.
- ▶ USEPA Contract Laboratory Program Statement of Work for Inorganic Analyses, ILM02.1, 1991.

## Matrix Spike Report (MSR)

The MSR summarizes percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. MSRs may not be provided with all analytical reports. Anamatrix control limit for MSR is 75-125% with 25% for RPD limits.

## Laboratory Control Sample Report (LCSR)

The LCSR summarizes percent recovery information for laboratory control spikes on reagent water or soil. This information is a statement of performance for the method, i.e., the samples are properly prepared and analyzed according to the applicable methods. Anamatrix control limit for LCSR is 80-120%.

## Method Blank Report (MBR)

The MBR summarizes quality control information for reagents used in preparing samples. The absolute value of each analyte measured in the method blank should be below the method reporting limit for that analyte.

## Post Digestion Spike Report (PDSR)

The PDSR summarizes percent recovery information for post digestion spikes. A post digestion spike is performed for a particular analyte if the matrix spike recovery is outside of established control limits. Any percent recovery for a post digestion spike outside of established limits for an analyte indicates probable matrix effects and interferences for that analyte. Anamatrix control limit for PDSR is 85-115%.

## Qualifiers (Q)

Anamatrix uses several data qualifiers in inorganic reports. These qualifiers give additional information on the analytes reported. The following is a list of qualifiers and their meanings:

- I - Sample was analyzed at the stated dilution due to spectral interferences.
- U - Analyte concentration was below the method reporting limit. For matrix and post digestion spike reports, a value of "0.0" is entered for calculation of the percent recovery.
- B - Sample concentration was below the reporting limit but above the instrument detection limit. Result is entered for calculation of the percent recovery only.
- H - Spike percent recovery was outside of Anamatrix control limits due to interferences from relatively high concentration level of the analyte in the unspiked sample.
- L - Reporting limit was increased to compensate for background absorbances or matrix interferences.

## Comment Codes

In addition to qualifiers, the following codes are used in the comment section of all reports to give additional information about sample preparation methods:

- A - Sample was prepared for silver based on the silver digestion method developed by the Southern California Laboratory, Department of Health Services, "Acid Digestion for Sediments, Sludges, Soils and Solid Wastes. A Proposed Alternative to EPA SW846, Method 3050." Environmental Science and Technology, 1989, 23, 898-900.
- T - Spikes were prepared after extraction by the Toxicity Characteristic Leaching Procedure (TCLP).
- C - Spikes were prepared after extraction by the California Waste Extraction Test (CWET) method.
- D - Reported results are dissolved, not total, metals.

## Reporting Conventions

Analytical values reported are gross values, i.e., not corrected for method blank contamination. Solid matrices are reported on a wet weight basis, unless specifically requested otherwise. Unless noted, all samples were prepared according to procedures in the EPA Contract Laboratory Program Statement of Work, ILM02.1, 1991.

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309363  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : METALS  
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309363- 1	2:MW-21	WATER	09/29/93	6010

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

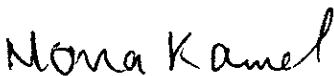
MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309363  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : METALS  
Sub-Department: METALS

QA/QC SUMMARY :

- No QA/QC problems encountered for sample.

  
Department Supervisor 10/12/92 Date

  
Chemist 10/12/92 Date

INORGANIC ANALYSIS DATA SHEET  
ANAMETRIX, INC. (408) 432-8192

Anamatrix I.D.: 9309363-01  
Client I.D. : 2:MW-21  
Project I.D. : 02345-01983  
Reporting Unit: ug/L  
Matrix : WATER

Date Sampled : 09/29/93  
Analyst : MK  
Supervisor : *[Signature]*  
Date Released : 10/12/93  
Instrument I.D. : ICP1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	REPORT LIMIT	DIL. FACTOR	RESULT
Nickel-6010	10/06/93	10/07/93	40.0	1	ND
Zinc-6010	10/06/93	10/07/93	20.0	1	20.2

COMMENT:

METHOD BLANK REPORT  
ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.# : 9309363  
Method Blank I.D.: MB1006W  
Project I.D. : 02345-01983  
Matrix : WATER  
Reporting Unit : ug/L

Analyst : *MX*  
Supervisor : *Watt*  
Date Released : 10/12/93  
Instrument I.D. : ICP1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	REPORTING LIMIT	RESULT	Q
Nickel-6010	10/06/93	10/07/93	40.0	ND	
Zinc-6010	10/06/93	10/07/93	20.0	ND	

COMMENT:

LABORATORY CONTROL SAMPLE REPORT  
ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.# : 9309363  
 Spike I.D. : LCS1006W  
 Project I.D. : 02345-01983  
 Matrix : WATER  
 Reporting Unit : ug/L

Analyst : *MK*  
 Supervisor : *W*  
 Date Released : 10/12/93  
 Instrument I.D : ICP1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	SPIKE AMT.	METHOD SPIKE	% REC.	Q
Nickel-6010	10/06/93	10/07/93	500	524	105	
Zinc-6010	10/06/93	10/07/93	500	529	106	

COMMENT:

FILED 2 SAMPLES

9/29/93

Dunn Geoscience Corp.

1304505

12 Metro Park Road

10/7

Albany, N.Y. 12205 (518) 458-1313



Client Name: AMERICAN NATIONAL CAN  
 Project No.: 02345-01983  
 Site Location: OAKLAND, Ca.  
 Sampler: WALTER O. HOWARD

DGC Contact: ED ALLSOW  
 Laboratory Contact: JENNIFER MILLER  
 Lab Identification: ANALYTICAL  
 Date Report Required: STANDARD  
 LAB REFERENCE # 3078 J

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv.	Comp. or Grab	ANALYSIS Comment
AREA 2: MW-21	9/29/93	0930	WATER	Bailer	NYLON ROPE	2 x 1 litre	N	Grab	TPH d (DHS LUFT)
11	"	"	"	"	"	1 x 500 ml	Hot	"	Filtered Metals (Ni, Zn)
<i>Walter O. Howard</i>									

Name	Affiliation	Date	Time	Name	Date	Time
Relinquished by: Walter O. Howard	RUST	9/29/93	1445	Received by Laboratory: [Signature]	9/29/93	15:25
Received by: [Signature]	Analytical	9/29/93	1445	Samples Intact & Properly Preserved:	Yes	No
Relinquished by: [Signature]	Analytical	9/29/93	1520	Laboratory Comments:	good condition, cool	
Received by:						





# Inchcape Testing Services

## Anamatrix Laboratories

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

MR. EDWARD ALUSOW  
 RUST ENVIRONMENT AND INFRASTRUCTURE  
 12 METRO PARK ROAD  
 ALBANY, NY 12205

Workorder # : 9309352  
 Date Received : 09/28/93  
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 Purchase Order: 29518


The following samples were received at Anamatrix, Inc. for analysis :

ANAMATRIX ID	CLIENT SAMPLE ID
9309352- 1	3:MW-1
9309352- 2	FBLANK#1
9309352- 3	3:MW-7
9309352- 4	3:MW-20
9309352- 5	3:MW-18
9309352- 6	3:MW-19
9309352- 7	3:DUPX-1
9309352- 8	3:MW-6
9309352- 9	T.BLANK

This report consists of 73 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

  
 Sarah Schoen, Ph.D.  
 Laboratory Director

10-12-93  
 Date



## 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. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309352  
Date Received : 09/28/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GCMS  
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309352- 1	3:MW-1	WATER	09/28/93	8240
9309352- 2	FBLANK#1	WATER	09/28/93	8240
9309352- 3	3:MW-7	WATER	09/28/93	8240
9309352- 4	3:MW-20	WATER	09/28/93	8240
9309352- 5	3:MW-18	WATER	09/28/93	8240
9309352- 6	3:MW-19	WATER	09/28/93	8240
9309352- 7	3:DUPX-1	WATER	09/28/93	8240
9309352- 8	3:MW-6	WATER	09/28/93	8240
9309352- 9	T. BLANK	WATER	09/28/93	8240
9309352- 1	3:MW-1	WATER	09/28/93	8270
9309352- 2	FBLANK#1	WATER	09/28/93	8270
9309352- 6	3:MW-19	WATER	09/28/93	8270
9309352- 7	3:DUPX-1	WATER	09/28/93	8270
9309352- 8	3:MW-6	WATER	09/28/93	8270

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309352  
Date Received : 09/28/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GCMS  
Sub-Department: GCMS

QA/QC SUMMARY :

- A surrogate recovery is outside established limits in the EPA Method 8270 analysis of sample 3:MW-1. The sample was then re-extracted, but outside of established holding time. Both results are reported.
- A surrogate recovery is outside established limits in the EPA Method 8270 analysis of sample 3:MW-6.
- The percent recoveries for several compounds are outside established limits in the EPA Method 8270 matrix spike and matrix spike duplicate analyses of sample 3:MW-6.
- The relative percent differences for several compounds are outside established limits in the EPA Method 8270 matrix spike and matrix spike duplicate analyses of sample 3:MW-6.

Maichler 10-12-93  
Department Supervisor Date

Ci Fan 12 Oct 93  
Chemist Date

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

Project ID : 02345-01  
Sample ID : 3:MW-1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anamatrix ID : 9309352-01  
Analyst : NP  
Supervisor : CF  
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.	3.	J
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.	10.	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.	18.	
100-41-4	Ethylbenzene	5.	8.	
1330-20-7	Xylene (Total)	5.	12.	
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.	5.	J
106-46-7	1,4-Dichlorobenzene	5.	32.	
95-50-1	1,2-Dichlorobenzene	5.	27.	

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

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:MW-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anametrix ID : 9309352-01  
 Analyst : *DP*  
 Supervisor : *CF*  
 Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. 108-87-2	Cyclohexane, methyl-	0.	20.	J
2. 622-96-8	Benzene, 1-ethyl-4-methyl-	0.	30.	J
3. 637-50-3	Benzene, 1-propenyl-	0.	30.	J
4. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	0.	40.	J
5. 527-53-7	Benzene, 1,2,3,5-tetramethyl	0.	20.	J
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : FBLANK#1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anamatrix ID : 9309352-02  
Analyst : DP  
Supervisor : CF  
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.	17.	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 : 02345-01  
Sample ID : 3:MW-7  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anametrix ID : 9309352-03  
Analyst : *DF*  
Supervisor : *CF*  
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

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:MW-7  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anametrix ID : 9309352-03  
 Analyst :  
 Supervisor :  
 Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. 91-57-6	Naphthalene, 2-methyl-	0.	8.	J
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-20  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anametrix ID : 9309352-04  
Analyst : ~~X~~  
Supervisor : CC  
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.	3.	J
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 : 02345-01  
Sample ID : 3:MW-18  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anamatrix ID : 9309352-05  
Analyst : ~~DP~~  
Supervisor : CF.  
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 : 02345-01  
Sample ID : 3:MW-19  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anametrix ID : 9309352-06  
Analyst : ~~BP~~  
Supervisor : ~~CA~~  
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.	10.	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.	48.	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	4.	J
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.	3.	J
106-46-7	1,4-Dichlorobenzene	5.	20.	
95-50-1	1,2-Dichlorobenzene	5.	27.	

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

-----  
TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:MW-19  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anamatrix ID : 9309352-06  
 Analyst : ~~WP~~  
 Supervisor : CF.  
 Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. 108-87-2	Cyclohexane, methyl-	0.	20.	J
2. 611-14-3	Benzene, 1-ethyl-2-methyl-	0.	10.	J
3. 61141-97-7	Benzene, 1,1'-(1-ethenyl-1,3	0.	30.	J
4. 933-98-2	Benzene, 1-ethyl-2,3-dimethy	0.	20.	J
5. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	0.	30.	J
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240  
 ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
 Sample ID : 3:DU PX-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anamatrix ID : 9309352-07  
 Analyst : ~~JK~~  
 Supervisor : CF.  
 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.	3.	U J
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.	10.	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.	50.	U
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	4.	U J
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.	3.	J
106-46-7	1,4-Dichlorobenzene	5.	21.	
95-50-1	1,2-Dichlorobenzene	5.	28.	

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

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:DUPX-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anamatrix ID : 9309352-07  
 Analyst :  
 Supervisor :  
 Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. 2847-72-5	Decane, 4-methyl-	0.	20.	J
2. 2870-04-4	Benzene, 2-ethyl-1,3-dimethy	0.	10.	J
3. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	0.	40.	J
4. 527-53-7	Benzene, 1,2,3,5-tetramethyl	0.	20.	J
5. 874-35-1	1H-Indene, 2,3-dihydro-5-met	0.	50.	J
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8240  
 ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
 Sample ID : 3:MW-6  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anamatrix ID : 9309352-08  
 Analyst : M  
 Supervisor : CF.  
 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.	52.	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.	5.	J
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 : 02345-01  
Sample ID : T.BLANK  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anamatrix ID : 9309352-09  
Analyst : ~~X~~  
Supervisor : CF.  
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 :  
 Sample ID : VBLK1N  
 Matrix : WATER  
 Date Sampled : 0/ 0/ 0  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anametrix ID : B00402A2  
 Analyst : ~~SP~~  
 Supervisor : CF.  
 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 : 02345-01  
 Matrix : LIQUID

Anamatrix ID : 9309352  
 Analyst : ~~JK~~  
 Supervisor : ~~CF~~

	SAMPLE ID	SU1	SU2	SU3
1	VBLK1N	100	100	99
2	LCS1M	100	99	98
3	3:MW-1	96	100	101
4	3:MW-6	101	98	100
5	3:MW-MS	104	100	100
6	3:DUPX-1	99	98	97
7	3:MW-MSD	102	102	99
8	3:MW-7	101	100	99
9	FBLANK#1	101	100	101
10	T.BLANK	102	99	101
11	3:MW-20	101	99	101
12	3:MW-18	103	99	101
13	3:MW-19	103	99	100
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QC LIMITS

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

\* Values outside of Anamatrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8240  
 ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
 Sample ID : 3:MW-6  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anamatrix ID : 9309352-08  
 Analyst : ~~DP~~  
 Supervisor : ~~CF~~

COMPOUND	SPIKE ADDED (ug/L )	SAMPLE CONCENTRATION (ug/L )	MS CONCENTRATION (ug/L )	MS % REC	%REC LIMITS
1,1-Dichloroethene	50.	0.	53.	106	67-150
Benzene	50.	0.	56.	111	75-134
Trichloroethene	50.	0.	54.	109	69-136
Toluene	50.	0.	55.	109	78-130
Chlorobenzene	50.	0.	57.	113	85-130

COMPOUND	SPIKE ADDED (ug/L )	MSD CONCENTRATION (ug/L )	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
1,1-Dichloroethene	50.	54.	109	2	25	67-150
Benzene	50.	56.	112	0	25	75-134
Trichloroethene	50.	55.	110	1	25	69-136
Toluene	50.	55.	109	0	25	78-130
Chlorobenzene	50.	58.	116	2	25	85-130

\* Value is outside of Anamatrix QC limits

RPD: 0 out of 5 outside limits  
 Spike Recovery: 0 out of 10 outside limits

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

Project/Case : Anamatrix ID : MO0401A2  
 Matrix : WATER Analyst : DP  
 Date Sampled : 0/ 0/ 0 Supervisor : CF  
 Date Analyzed : 10/4/93 SDG/Batch :  
 Instrument ID : MSD1

LCS1M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	49	98	72-145
Benzene	50	0	54	108	83-125
Trichloroethene	50	0	53	106	61-140
Toluene	50	0	52	104	82-123
Chlorobenzene	50	0	55	110	82-125

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-01  
Analyst : *JK*  
Supervisor : *JK*

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	ND	U
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl)ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	ND	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	14.	
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	12.	
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	7.	J
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	ND	U
91-57-6	2-Methylnaphthalene	10.	ND	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-01  
Analyst : ~~WLT~~  
Supervisor : ~~CF~~

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	ND	U
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	ND	U
85-01-8	Phenanthrene	10.	ND	U
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzidine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	ND	U
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:MW-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/30/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 5/93  
 Instrument ID : MSD4

Anamatrix ID : 9309352-01  
 Analyst : *Wes*  
 Supervisor : *CF*

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. 15869-94-0	Octane, 3,6-dimethyl-	0.	20.	J
2. - -	UNKNOWN	0.	20.	J
3. - -	UNKNOWN	0.	20.	J
4. - -	UNKNOWN	0.	30.	J
5. 15869-94-0	Octane, 3,6-dimethyl-	0.	20.	J
6. - -	UNKNOWN	0.	20.	J
7. - -	UNKNOWN HYDROCARBON	0.	20.	J
8. 74645-98-0	Dodecane, 2,7,10-trimethyl-	0.	20.	J
9. 1560-95-8	Tetradecane, 2-methyl-	0.	40.	J
10. 7098-22-8	Tetratetracontane	0.	50.	J
11. - -	UNKNOWN HYDROCARBON	0.	20.	J
12. 630-07-9	Pentatriacontane	0.	20.	J
13. 630-06-8	Hexatriacontane	0.	20.	J
14. - -	UNKNOWN HYDROCARBON	0.	20.	J
15. - -	UNKNOWN HYDROCARBON	0.	30.	J
16. - -	UNKNOWN	0.	50.	J
17. 7098-21-7	Tritetracontane	0.	20.	J
18. 1560-95-8	Tetradecane, 2-methyl-	0.	30.	J
19. - -	UNKNOWN HYDROCARBON	0.	30.	J
20. 630-07-9	Pentatriacontane	0.	20.	J
21.				
22.				
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : FBLANK#1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-02  
Analyst : MCT  
Supervisor : CF.

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	ND	U
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl) ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	ND	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	ND	U
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	ND	U
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	ND	U
91-57-6	2-Methylnaphthalene	10.	ND	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : FBLANK#1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-02  
Analyst : MCT  
Supervisor : CF.

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	ND	U
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	ND	U
85-01-8	Phenanthrene	10.	ND	U
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzidine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	ND	U
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

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TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : FBLANK#1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/30/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 5/93  
 Instrument ID : MSD4

Anamatrix ID : 9309352-02  
 Analyst : MCA  
 Supervisor : *CS*  
 Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. - -	UNKNOWN	0.	10.	J
2. - -	UNKNOWN	0.	9.	BJ
3. - -	UNKNOWN	0.	4.	J
4. - -	UNKNOWN	0.	20.	J
5. - -	UNKNOWN	0.	10.	J
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-19  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-06  
Analyst : MCT  
Supervisor : *[Signature]*

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	ND	U
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl)ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	ND	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	9.	J
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	ND	U
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	ND	U
91-57-6	2-Methylnaphthalene	10.	30.	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-19  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-06  
Analyst : MCT  
Supervisor : CF

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	ND	U
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	ND	U
85-01-8	Phenanthrene	10.	6.	J
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzidine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	5.	J
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
Sample ID : 3:MW-19  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-06  
Analyst : MCT  
Supervisor : CF

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1.	15869-94-0 Octane, 3,6-dimethyl-	0.	20.	J
2.	21164-95-4 Hexadecane, 7,9-dimethyl-	0.	20.	J
3.	84-16-2 Phenol, 4,4'-(1,2-diethyl-1,	0.	30.	J
4.	571-61-9 Naphthalene, 1,5-dimethyl-	0.	20.	J
5.	- - UNKNOWN	0.	100.	J
6.	140-66-9 Phenol, 4-(1,1,3,3-tetrameth	0.	30.	J
7.	- - UNKNOWN HYDROCARBON	0.	20.	J
8.	55282-11-6 Heneicosane, 11-(1-ethylprop	0.	30.	J
9.	7225-64-1 Heptadecane, 9-octyl-	0.	20.	J
10.	14167-59-0 Tetratriacontane	0.	20.	J
11.	630-07-9 Pentatriacontane	0.	20.	J
12.	14167-59-0 Tetratriacontane	0.	20.	J
13.	1560-95-8 Tetradecane, 2-methyl-	0.	50.	J
14.	7225-64-1 Heptadecane, 9-octyl-	0.	30.	J
15.	62108-26-3 Decane, 2,6,8-trimethyl-	0.	30.	J
16.	- - UNKNOWN	0.	60.	J
17.	- - UNKNOWN	0.	30.	J
18.	- - UNKNOWN	0.	30.	J
19.	- - UNKNOWN	0.	20.	J
20.	- - UNKNOWN	0.	30.	J
21.				
22.				
23.				
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:DUPX-1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-07  
Analyst : MCT  
Supervisor : CF

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	ND	U
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl) ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	ND	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	12.	U
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	14.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	ND	U
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	ND	U
91-57-6	2-Methylnaphthalene	10.	45.	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:DUPX-1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-07  
Analyst : MCI  
Supervisor : CE

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	ND	U
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	ND	U
85-01-8	Phenanthrene	10.	7.	J
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzidine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	7.	J
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U



ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
Sample ID : 3:DUPX-1  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-07  
Analyst : MCT  
Supervisor : CF

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1.	5911-04-6 Nonane, 3-methyl-	0.	20.	J
2.	84-16-2 Phenol, 4,4'-(1,2-diethyl-1,	0.	20.	J
3.	- - UNKNOWN	0.	60.	J
4.	112-40-3 Dodecane	0.	20.	J
5.	- - UNKNOWN	0.	20.	J
6.	55282-11-6 Heneicosane, 11-(1-ethylprop	0.	20.	J
7.	832-71-3 Phenanthrene, 3-methyl-	0.	30.	J
8.	7225-64-1 Heptadecane, 9-octyl-	0.	20.	J
9.	544-76-3 Hexadecane	0.	20.	J
10.	- - UNKNOWN	0.	30.	J
11.	1560-95-8 Tetradecane, 2-methyl-	0.	20.	J
12.	1560-92-5 Hexadecane, 2-methyl-	0.	20.	J
13.	18344-37-1 Heptadecane, 2,6,10,14-tetra	0.	20.	J
14.	- - UNKNOWN	0.	20.	J
15.	- - UNKNOWN	0.	10.	J
16.	- - UNKNOWN	0.	30.	J
17.	- - UNKNOWN HYDROCARBON	0.	30.	J
18.	- - UNKNOWN	0.	20.	J
19.	- - UNKNOWN	0.	20.	J
20.	- - UNKNOWN	0.	20.	J
21.				
22.				
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30.				

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-6  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-08  
Analyst : MJ  
Supervisor : CF

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	7.	J
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl)ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	27.	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	ND	U
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	ND	U
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	31.	U
91-57-6	2-Methylnaphthalene	10.	ND	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-6  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-08  
Analyst : MCT  
Supervisor : *[Signature]*

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	9.	J
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	44.	J
85-01-8	Phenanthrene	10.	ND	U
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzidine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	5.	J
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:MW-6  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/30/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 5/93  
 Instrument ID : MSD4

Anamatrix ID : 9309352-08  
 Analyst : MCA  
 Supervisor : CF.

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. - -0	Unknown	0.	9.	J
2. - -	UNKNOWN	0.	60.	J
3. - -	UNKNOWN	0.	5.	J
4. 85-60-9	Phenol, 4,4'-butylidenebis[2	0.	6.	J
5. - -	UNKNOWN	0.	5.	J
6. - -	UNKNOWN	0.	4.	J
7. - -	UNKNOWN	0.	10.	J
8. 55193-79-8	Octanoic acid, 1-methyltride	0.	5.	J
9. - -	UNKNOWN	0.	6.	J
10.				
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID :  
Sample ID : SBKL4A  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : BS3011B1  
Analyst : *me*  
Supervisor : *CF*

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	ND	U
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl) ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	ND	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	ND	U
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	ND	U
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	ND	U
91-57-6	2-Methylnaphthalene	10.	ND	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID :  
Sample ID : SBKL4A  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 9/30/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anamatrix ID : BS3011B1  
Analyst : *WCT*  
Supervisor : *Q*

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	ND	U
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	ND	U
85-01-8	Phenanthrene	10.	ND	U
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzidine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	ND	U
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

-----  
TENTATIVELY IDENTIFIED COMPOUNDS

Project ID :  
 Sample ID : SBKL4A  
 Matrix : WATER  
 Date Sampled : 0/ 0/ 0  
 Date Extracted : 9/30/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 5/93  
 Instrument ID : MSD4

Anamatrix ID : BS3011B1  
 Analyst : *met*  
 Supervisor : *CF.*

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. - -	UNKNOWN	0.	4.	J
2.				
3.				
4.				
5.				
6.				
7.				
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10.				
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30.				

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Matrix : LIQUID

Anamatrix ID : 9309352  
Analyst : *WJ*  
Supervisor : *CF*

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	SBKL4A	60	65	65	62	74	83
2	LCS4A	66	69	73	72	80	82
3	3:MW-1	4 *	10	69	71	21	76
4	FBLANK#1	36	26	61	58	65	79
5	3:MW-19	34	32	69	62	63	65
6	3:DUPX-1	34	31	93	80	60	72
7	3:MW-6	54	41	63	64	145 *	84
8	3:MW-MS	26	23	66	68	25	80
9	3:MW-MSD	37	31	60	64	88	86
10							
11							
12							
13							
14							
15							
16							
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30							

QC LIMITS

SU1 = 2-Fluorophenol (21-100)  
 SU2 = Phenol-d5 (10- 94)  
 SU3 = Nitrobenzene-d5 (35-114)  
 SU4 = 2-Fluorobiphenyl (43-116)  
 SU5 = 2,4,6-Tribromophenol (10-123)  
 SU6 = Terphenyl-d14 (33-141)

\* Values outside of Anamatrix QC limits



MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-6  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 9/30/93  
Date Analyzed : 10/ 5/93  
Instrument ID : MSD4

Anametrix ID : 9309352-08  
Analyst : *WCF*  
Supervisor : *CF*

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	%REC LIMITS
Phenol	75.	7.	16.	11	10- 82
2-Chlorophenol	75.	27.	21.	0 *	27-114
1,4-Dichlorobenzene	50.	0.	28.	55	21- 86
N-Nitroso-di-n-prop. (I)	50.	0.	28.	56	27-120
1,2,4-Trichlorobenzene	50.	0.	30.	61	14-104
4-Chloro-3-methylphenol	75.	31.	29.	0 *	36-121
Acenaphthene	50.	0.	35.	69	38-108
4-Nitrophenol	75.	9.	13.	6 *	10- 58
2,4-Dinitrotoluene	50.	0.	36.	72	44-121
Pentachlorophenol	75.	44.	14.	0 *	10-137
Pyrene	50.	0.	41.	82	44-125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
Phenol	75.	21.	19	52 *	42	10- 82
2-Chlorophenol	75.	40.	17 *	580 *	40	27-114
1,4-Dichlorobenzene	50.	24.	49	12	28	21- 86
N-Nitroso-di-n-prop. (I)	50.	25.	50	12	38	27-120
1,2,4-Trichlorobenzene	50.	27.	54	12	28	14-104
4-Chloro-3-methylphenol	75.	57.	34 *	229 *	42	36-121
Acenaphthene	50.	33.	67	3	31	38-108
4-Nitrophenol	75.	27.	25	123 *	50	10- 58
2,4-Dinitrotoluene	50.	38.	76	5	38	44-121
Pentachlorophenol	75.	55.	15	453 *	50	10-137
Pyrene	50.	44.	87	6	31	44-125

\* Value is outside of Anametrix QC limits

RPD: 5 out of 11 outside limits  
Spike Recovery: 6 out of 22 outside limits

LABORATORY CONTROL SPIKE RECOVERY FORM — EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project/Case	:	Anamatrix ID	: MS3011B1
Matrix	:	Analyst	: WCT
Date Sampled	:	Supervisor	: CF.
Date Extracted	:	SDG/Batch	:
Date Analyzed	:		
Instrument ID	:		LCS4A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
Phenol	75	0	45	60	12-110
2-Chlorophenol	75	0	47	63	27-123
1,4-Dichlorobenzene	50	0	31	62	36-97
N-nitroso-di-n-propylamine	50	0	33	66	41-116
1,2,4-Trichlorobenzene	50	0	32	64	39-98
4-Chloro-3-methylphenol	75	0	50	67	23-97
Acenaphthene	50	0	33	66	46-118
4-Nitrophenol	75	0	56	75	10-80
2,4-Dinitrotoluene	50	0	36	72	24-96
Pentachlorophenol	75	0	58	77	10-103
Pyrene	50	0	40	80	26-127

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
 Sample ID : 3:MW-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 10/ 6/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 7/93  
 Instrument ID : F3

Anametrix ID : 9309352-01 RE  
 Analyst : CE  
 Supervisor : MCT

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	3.	J
106-46-7	1,4-DICHLOROBENZENE	10.	18.	
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	16.	
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	2,2'-OXYBIS(1-CHLOROPROPANE)	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	8.	J
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	4.	J
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
99-09-2	3-NITROANILINE	50.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
 Sample ID : 3:MW-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 10/ 6/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 7/93  
 Instrument ID : F3

Anamatrix ID : 9309352-01 RE  
 Analyst : CF.  
 Supervisor : met

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	3.	U <sup>J</sup>
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO(A) ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	10.	6.	U <sup>J</sup>
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO(B) FLUOROANTHENE	10.	ND	U
207-08-9	BENZO(K) FLUOROANTHENE	10.	ND	U
50-32-8	BENZO(A) PYRENE	10.	ND	U
193-39-5	INDENO(1,2,3-CD) PYRENE	10.	ND	U
53-70-3	DIBENZ[A,H] ANTHRACENE	10.	ND	U
191-24-2	BENZO(G,H,I) PERYLENE	10.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	10.	ND	U
4165-61-1	ANILINE	10.	ND	U
103-33-3	AZOBENZENE	10.	ND	U
92-87-5	BENZIDINE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:MW-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 10/ 6/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 7/93  
 Instrument ID : F3

Anamatrix ID : 9309352-01 RE  
 Analyst : CP  
 Supervisor : MC

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. 74630-25-4	2-DECENE, 8-METHYL-, (Z)-	0.	30.	J
2. 62016-33-5	OCTANE, 2,3,6-TRIMETHYL-	0.	50.	J
3. 17301-23-4	UNDECANE, 2,6-DIMETHYL-	0.	30.	J
4. 1632-70-8	UNDECANE, 5-METHYL-	0.	40.	J
5. 74645-98-0	DODECANE, 2,7,10-TRIMETHYL-	0.	30.	J
6. 544-76-3	HEXADECANE	0.	30.	J
7. 544-76-3	HEXADECANE	0.	20.	J
8. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	0.	40.	J
9. 54105-67-8	HEPTADECANE, 2,6-DIMETHYL-	0.	30.	J
10. - -	UNKNOWN	0.	20.	J
11.				
12.				
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID :  
Sample ID : SBLKFN  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 10/ 6/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 6/93  
Instrument ID : F3

Anametrix ID : B00611B1  
Analyst : CF.  
Supervisor : WCF

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	10.	ND	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	10.	ND	U
95-57-8	2-CHLOROPHENOL	10.	ND	U
541-73-1	1,3-DICHLOROBENZENE	10.	ND	U
106-46-7	1,4-DICHLOROBENZENE	10.	ND	U
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	ND	U
95-48-7	2-METHYLPHENOL	10.	ND	U
108-60-1	2,2'-OXYBIS(1-CHLOROPROPANE)	10.	ND	U
106-44-5	4-METHYLPHENOL	10.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10.	ND	U
67-72-1	HEXACHLOROETHANE	10.	ND	U
98-95-3	NITROBENZENE	10.	ND	U
78-59-1	ISOPHORONE	10.	ND	U
88-75-5	2-NITROPHENOL	10.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	10.	ND	U
65-85-0	BENZOIC ACID	50.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	10.	ND	U
120-83-2	2,4-DICHLOROPHENOL	10.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	10.	ND	U
91-20-3	NAPHTHALENE	10.	ND	U
106-47-8	4-CHLOROANILINE	10.	ND	U
87-68-3	HEXACHLOROBUTADIENE	10.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	10.	ND	U
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	10.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	50.	ND	U
91-58-7	2-CHLORONAPHTHALENE	10.	ND	U
88-74-4	2-NITROANILINE	50.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	10.	ND	U
99-09-2	3-NITROANILINE	50.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID :  
Sample ID : SBLKFN  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 10/ 6/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 10/ 6/93  
Instrument ID : F3

Anamatrix ID : BO0611B1  
Analyst : CF.  
Supervisor : MCK

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
83-32-9	ACENAPHTHENE	10.	ND	U
51-28-5	2,4-DINITROPHENOL	50.	ND	U
100-02-7	4-NITROPHENOL	50.	ND	U
132-64-9	DIBENZOFURAN	10.	ND	U
121-14-2	2,4-DINITROTOLUENE	10.	ND	U
606-20-2	2,6-DINITROTOLUENE	10.	ND	U
84-66-2	DIETHYLPHTHALATE	10.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10.	ND	U
86-73-7	FLUORENE	10.	ND	U
100-01-6	4-NITROANILINE	50.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	50.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	10.	ND	U
87-86-5	PENTACHLOROPHENOL	50.	ND	U
85-01-8	PHENANTHRENE	10.	ND	U
120-12-7	ANTHRACENE	10.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	10.	ND	U
206-44-0	FLUORANTHENE	10.	ND	U
129-00-0	PYRENE	10.	ND	U
85-68-7	BUTYLBENZYLPHthalate	10.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	20.	ND	U
56-55-3	BENZO (A) ANTHRACENE	10.	ND	U
218-01-9	CHRYSENE	10.	ND	U
117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	10.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	10.	ND	U
205-99-2	BENZO (B) FLUOROANTHENE	10.	ND	U
207-08-9	BENZO (K) FLUOROANTHENE	10.	ND	U
50-32-8	BENZO (A) PYRENE	10.	ND	U
193-39-5	INDENO (1,2,3-CD) PYRENE	10.	ND	U
53-70-3	DIBENZ [A,H] ANTHRACENE	10.	ND	U
191-24-2	BENZO (G,H,I) PERYLENE	10.	ND	U
62-75-9	N-NITROSODIMETHYLAMINE	10.	ND	U
4165-61-1	ANILINE	10.	ND	U
103-33-3	AZOBENZENE	10.	ND	U
92-87-5	BENZIDINE	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

TENTATIVELY IDENTIFIED COMPOUNDS

Project ID :  
 Sample ID : SBLKFN  
 Matrix : WATER  
 Date Sampled : 0/ 0/ 0  
 Date Extracted : 10/ 6/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 10/ 6/93  
 Instrument ID : F3

Anamatrix ID : B00611B1  
 Analyst : CF.  
 Supervisor : MCF

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. - -	UNKNOWN	0.	6.	J
2. 105-60-2	CAPROLACTAM	0.	2.	J
3.				
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SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Matrix : LIQUID

Anamatrix ID : 9309352  
Analyst : CF  
Supervisor : MJT

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	SBLKFN	55	61	61	61	56	70
2	LCSEFN	74	81	78	76	71	85
3	LCSEFN	65	72	70	74	73	88
4	3:MW-1 RE	45	47	69	73	90	75
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QC LIMITS

SU1 = 2-FLUOROPHENOL (21-100)  
 SU2 = PHENOL-D5 (10- 94)  
 SU3 = NITROBENZENE-D5 (35-114)  
 SU4 = 2-FLUOROBIPHENYL (43-116)  
 SU5 = 2,4,6-TRIBROMOPHENOL (10-123)  
 SU6 = TERPHENYL-D14 (33-141)

\* Values outside of Anamatrix QC limits

LABORATORY CONTROL SPIKE RECOVERY FORM -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project/Case	: 02345-01983	Anamatrix ID	: MO0611B1
Matrix	: WATER	Analyst	: CF.
Date Sampled	: 00/00/00	Supervisor	: MCT
Date Extracted	: 10/06/93	SDG/Batch	: N/A
Date Analyzed	: 10/06/93		
Instrument ID	: F3		LCSFN

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
Phenol	75	0	49	65	12-110
2-Chlorophenol	75	0	52	69	27-123
1,4-Dichlorobenzene	50	0	33	66	36-97
N-nitroso-di-n-propylamine	50	0	39	78	41-116
1,2,4-Trichlorobenzene	50	0	35	70	39-98
4-Chloro-3-methylphenol	75	0	59	79	23-97
Acenaphthene	50	0	35	70	46-118
4-Nitrophenol	75	0	54	72	10-80
2,4-Dinitrotoluene	50	0	38	76	24-96
Pentachlorophenol	75	0	61	81	10-103
Pyrene	50	0	42	84	26-127

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD PERCENT RECOVERY	% RPD	%RPD LIMITS
Phenol	75	46	61	6	25
2-Chlorophenol	75	48	64	8	25
1,4-Dichlorobenzene	50	32	64	2	25
N-nitroso-di-n-propylamine	50	38	76	3	25
1,2,4-Trichlorobenzene	50	33	66	5	25
4-Chloro-3-methylphenol	75	60	80	-2	25
Acenaphthene	50	36	72	-2	25
4-Nitrophenol	75	60	80	-13	25
2,4-Dinitrotoluene	50	41	82	-6	25
Pentachlorophenol	75	63	84	-4	25
Pyrene	50	45	90	-6	25

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309352  
Date Received : 09/28/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: PEST

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309352- 1	3:MW-1	WATER	09/28/93	8080 PCB
9309352- 2	FBLANK#1	WATER	09/28/93	8080 PCB
9309352- 3	3:MW-7	WATER	09/28/93	8080 PCB
9309352- 4	3:MW-20	WATER	09/28/93	8080 PCB
9309352- 5	3:MW-18	WATER	09/28/93	8080 PCB
9309352- 6	3:MW-19	WATER	09/28/93	8080 PCB
9309352- 7	3:DUPX-1	WATER	09/28/93	8080 PCB
9309352- 8	3:MW-6	WATER	09/28/93	8080 PCB

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309352  
Date Received : 09/28/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: PEST

QA/QC SUMMARY :

- The surrogate was out of Anamatrix control limits for samples 3:MW-20, 3:MW-18, 3:MW-19, and 3:DUPX-1. These samples were re-extracted and similar results were found supporting a complex matrix effect. The original data is reported.

  
Department Supervisor                      Date

  
Chemist                                      Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983  
 Sample ID : 3:MW-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/29/93  
 Date Analyzed : 9/30/93  
 Instrument ID : HP22  
 Dilution : NONE

Anamatrix ID : 9309352-01  
 Analyst : *CSJ*  
 Supervisor : *SK*  
 Volume ext. : 1000 mL  
 pH : N/A  
 Final Vol. : 10000 uL  
 Inj. Vol. : 1 ul

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	7.7
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	82	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983  
 Sample ID : FBLANK#1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/29/93  
 Date Analyzed : 9/30/93  
 Instrument ID : HP22  
 Dilution : NONE

Anamatrix ID : 9309352-02  
 Analyst : *CS*  
 Supervisor : *SR*  
 Volume ext. : 1000 mL  
 pH : N/A  
 Final Vol. : 10000 uL  
 Inj. Vol. : 1 ul

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	93	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983	Anamatrix ID : 9309352-03
Sample ID : 3:MW-7	Analyst : <i>ced</i>
Matrix : WATER	Supervisor : <i>SK</i>
Date Sampled : 9/28/93	Volume ext. : 1000 mL
Date Extracted : 9/29/93	pH : N/A
Date Analyzed : 9/30/93	Final Vol. : 10000 uL
Instrument ID : HP22	Inj. Vol. : 1 ul
Dilution : NONE	

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	55	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983  
 Sample ID : 3:MW-20  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/29/93  
 Date Analyzed : 9/30/93  
 Instrument ID : HP22  
 Dilution : NONE

Anamatrix ID : 9309352-04  
 Analyst : *CP*  
 Supervisor : *SM*  
 Volume ext. : 1000 mL  
 pH : N/A  
 Final Vol. : 10000 uL  
 Inj. Vol. : 1 ul

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	23	50-118



ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
 ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983	Anamatrix ID : 9309352-05
Sample ID : 3:MW-18	Analyst : <i>CBP</i>
Matrix : WATER	Supervisor : <i>SK</i>
Date Sampled : 9/28/93	Volume ext. : 1000 mL
Date Extracted : 9/29/93	pH : N/A
Date Analyzed : 9/30/93	Final Vol. : 10000 uL
Instrument ID : HP22	Inj. Vol. : 1 ul
Dilution : NONE	

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	23	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983	Anamatrix ID : 9309352-06
Sample ID : 3:MW-19	Analyst : <i>col</i>
Matrix : WATER	Supervisor : <i>SR</i>
Date Sampled : 9/28/93	Volume ext. : 1000 mL
Date Extracted : 9/29/93	pH : N/A
Date Analyzed : 9/30/93	Final Vol. : 10000 uL
Instrument ID : HP22	Inj. Vol. : 1 ul
Dilution : NONE	

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	6.5
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	31	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983  
 Sample ID : 3:DUPX-1  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/29/93  
 Date Analyzed : 9/30/93  
 Instrument ID : HP22  
 Dilution : NONE

Anametrix ID : 9309352-07  
 Analyst : *cdp*  
 Supervisor : *SK*  
 Volume ext. : 1000 mL  
 pH : N/A  
 Final Vol. : 10000 uL  
 Inj. Vol. : 1 ul

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	7.7
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	29	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983	Anamatrix ID : 9309352-08
Sample ID : 3:MW-6	Analyst : <i>OP</i>
Matrix : WATER	Supervisor : <i>STK</i>
Date Sampled : 9/28/93	Volume ext. : 1000 mL
Date Extracted : 9/29/93	pH : N/A
Date Analyzed : 9/30/93	Final Vol. : 10000 uL
Instrument ID : HP22	Inj. Vol. : 1 ul
Dilution : NONE	

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	73	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : N/A	Anamatrix ID : BS2911PE
Sample ID : BLANK	Analyst : <i>CAF</i>
Matrix : WATER	Supervisor : <i>STK</i>
Date Sampled : N/A	Volume ext. : 1000 mL
Date Extracted : 9/29/93	pH : N/A
Date Analyzed : 9/30/93	Final Vol. : 10000 uL
Instrument ID : HP22	Inj. Vol. : 1 ul
Dilution : NONE	

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	98	50-118

LABORATORY CONTROL SPIKE RECOVERY FORM -- EPA METHOD 8080PCB

ANAMETRIX, INC. (408) 432-8192

Project ID	: N/A	Anamatrix ID	: MS2911PE
Sample ID	: LCS	Analyst	: <i>CP</i>
Matrix	: WATER	Supervisor	: <i>SM</i>
Date Sampled	: N/A	Volume ext.	: 1000 mL
Date Extracted	: 9/29/93	pH	: N/A
Date Analyzed	: 9/30/93	Final Vol.	: 10000 uL
Instrument ID	: HP22	Inj. Vol.	: 1 ul
Dilution	: NONE		

COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY	RECOVERY LIMITS
Aroclor 1248	15	11.8	79	52-107
SURROGATE - LCS			PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl			99	50-118

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8080PCB  
 ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983  
 Sample ID : MS/MSD  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/29/93  
 Date Analyzed : 9/30/93  
 Instrument ID : HP22  
 Dilution : NONE

Anamatrix ID : 9309352-08  
 Analyst : *CS*  
 Supervisor : *SR*  
 Volume ext. : 1000 g  
 pH : N/A  
 Final Vol. : 10000 uL  
 Inj. Vol. : 1 ul

COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT IN SAMPLE (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY
Aroclor 1248	15	0	11.3	75
COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY	RECOVERY LIMITS
Aroclor 1248	15	10.5	70	52-107
COMPOUND NAME	%RPD	RPD LIMITS		
Aroclor 1248	5	0-30		
SURROGATE	MS PERCENT RECOVERY	MSD PERCENT RECOVERY		
DCB	73	57	50-118	

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309352  
Date Received : 09/28/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309352- 1	3:MW-1	WATER	09/28/93	TPHd
9309352- 2	FBLANK#1	WATER	09/28/93	TPHd
9309352- 3	3:MW-7	WATER	09/28/93	TPHd
9309352- 4	3:MW-20	WATER	09/28/93	TPHd
9309352- 5	3:MW-18	WATER	09/28/93	TPHd
9309352- 6	3:MW-19	WATER	09/28/93	TPHd
9309352- 7	3:DUPX-1	WATER	09/28/93	TPHd
9309352- 8	3:MW-6	WATER	09/28/93	TPHd



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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309352  
Date Received : 09/28/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: TPH

QA/QC SUMMARY :

- The concentrations reported as diesel for samples 3:MW-1, 3:MW-7, 3:MW-18, 3:MW-19, 3:DUPX-1 and 3:MW-6 are primarily due to the presence of a lighter petroleum product of hydrocarbon range C6-C12, possibly gasoline.

Edward Bauman 10/6/93  
Department Supervisor Date

Lucea Shar 10/6/93  
Chemist Date

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

Anamatrix W.O.: 9309352  
Matrix : WATER  
Date Sampled : 09/28/93  
Date Extracted: 09/29/93

Project Number : 02345-01983  
Date Released : 10/06/93  
Instrument I.D.: HP9 & HP23

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9309352-01	3:MW-1	10/01/93	1000	11000	67%
9309352-02	FBLANK#1	09/30/93	50	ND	33%
9309352-03	3:MW-7	09/30/93	50	180	74%
9309352-04	3:MW-20	10/01/93	50	ND	31%
9309352-05	3:MW-18	10/01/93	50	82	33%
9309352-06	3:MW-19	10/01/93	5000	33000	65%
9309352-07	3:DUPX-1	10/01/93	5000	39000	78%
9309352-08	3:MW-6	10/01/93	50	220	77%
BS2911F1	METHOD BLANK	09/29/93	50	ND	74%

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 diesel is determined by GCFID following sample extraction by EPA Method 3510.

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

Lucia Sher 10/6/93  
Analyst Date

Cheryl Balinas 10/6/93  
Supervisor Date

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

Sample I.D. : 02345-01983 3:MW-6  
 Matrix : WATER  
 Date Sampled : 09/28/93  
 Date Extracted: 09/29/93  
 Date Analyzed : 10/01/93

Anamatrix I.D. : 09352-08  
 Analyst : IS  
 Supervisor : *J*  
 Date Released : 10/06/93  
 Instrument I.D.: HP23

COMPOUND	SPIKE AMT (ug/L)	SAMPLE CONC (ug/L)	MS REC (ug/L)	% REC MS	MD REC (ug/L)	% REC MD	RPD	% REC LIMITS
DIESEL	1250	220	1340	90%	1590	110%	17%	36-150
SURROGATE				83%		98%		30-130

\*Quality control established by Anamatrix, Inc.

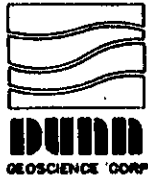
TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT  
 EPA METHOD 3550 WITH GC/FID  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE  
 Matrix : WATER  
 Date Sampled : N/A  
 Date Extracted: 09/29/93  
 Date Analyzed : 09/29/93

Anamatrix I.D. : MS2911F1  
 Analyst : IS  
 Supervisor : *CS*  
 Date Released : 10/01/93  
 Instrument I.D.: HP9

COMPOUND	SPIKE AMT (ug/L)	REC LCS (ug/L)	% REC LCS	% REC LIMITS
Diesel	1250	1060	85%	47-130
SURROGATE			73%	30-130

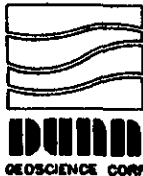
\*Limits established by Anamatrix, Inc.



Client Name: AMERICAN NATIONAL CAN	DGC Contact: ED MUSOW
Project No.: 02345-01983	Laboratory Contact: Jennifer MULLER
Site Location: OAKLAND, CA.	Lab Identification: ANALOMETRIX
Sampler: WALTER O. HOWARD	Date Report Required: 5/31/93
Lab Reference # 3078 J	

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv.	Comp. or Grab	Analysis Comment
AREA 3: MW-1	9/28/93	0840	WATER	BAILER	NYLON ROPE	2x 40 ml	HCL	Grab	VOCS (624) (624), TDS (160.1)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	SEMI VOCS (625)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	PCBS (8060)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	TPHcl (DTS LUFT)
FIELD BLANK # 1		0840	WATER	NA	NA	2x 40 ml	HCL	"	VOCS (624)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	SEMI VOCS (625)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	PCBS (8060)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	TPHcl (DTS LUFT)
AREA 3: MW-7		0950	Water	Bailer	NYLON ROPE	2x 40 ml	HCL	"	VOCS (624)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	SEMI VOCS (625) PCBS (8060)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	TPHcl (DTS LUFT)
AREA 3: MW-20		1030	Water	Bailer	NYLON ROPE	2x 40 ml	HCL	"	VOCS (624)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	SEMI VOCS (625) <sup>COH</sup> PCBS (8060)
↓	↓	↓	↓	↓	↓	2x 1 litre	N	"	TPHcl (DTS LUFT)

Name: Walter O. Howard	Affiliation: RUST	Date: 9/28/93	Time: 1607	Name: [Signature]	Date: 9/28/93	Time: 18:15
Relinquished by: Walter O. Howard				Received by Laboratory: [Signature]		
Received by: [Signature] Anamatrix				Samples Intact & Properly Preserved: (Yes) or No		
Relinquished by: [Signature] Anamatrix				Laboratory Comments: cool, good condition		
Received by:						



Client Name: AMERICAN NATIONAL CAN

DGC Contact: ED ALUSON

Project No.: 02345-01983

Laboratory Contact: JENNIFER MILLER

Site Location: OAKLAND, CA

Lab Identification: ANAMETRIX

Date Report Required: STANDARD

Sampler: WALTER O. HOWARD

LAB REFERENCE # 3078 J

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv	Comp. or Grab	ANALYSIS Comment
AREA 3: MW-18	9/28/93	1110	WATER	BALLER	NYLON ROPE	2x 40 mL	HCL	Grab	VOCS (624)
						2x 1 litre	N		PCBs (8080)
						2x 1 litre	N		TPHd (DHS LUFT)
AREA 3: MW-19		1135				2x 40 mL	HCL		VOCS (624)
						2x 1 litre	N		Semi VOCS (625)
						2x 1 litre	N		TPHd (DHS LUFT)
						2x 1 litre	N		PCBs (8080)
AREA 3: Dup X-1						2x 40 mL	HCL		VOCS (624)
						2x 1 litre	N		Semi VOCS (625)
						2x 1 litre	N		PCBs (8080)
						2x 1 litre	N		TPHd (DHS LUFT)
AREA 3: MW-6		1410				2x 40 mL	HCL		VOCS (624), TDS (160.1)
						2x 1 litre	N		Semi VOCS (625)
						2x 1 litre	N		PCBs (8080)
						2x 1 litre	N		TPHd (DHS LUFT)

Name	Affiliation	Date	Time	Name	Date	Time
Relinquished by: Walter O. Howard	RUST	9/28/93	1607	Received by Laboratory: [Signature]	9/28/93	18:15
Received by: [Signature]	Anametrix	9/28/93	1607	Samples Intact & Properly Preserved: Yes		No
Relinquished by: [Signature]	Anametrix	9/28/93	1815	Laboratory Comments: good condition, cool.		



DUNN  
GEOSCIENCE CORP

Client Name: AMERICAN NATIONAL CAN	DGC Contact: EN MUSON
Project No.: 02345-01983-	Laboratory Contact: Jennifer Miller
Site Location: Oakland, Ca	Lab Identification: NUMMETRIX
Sampler: WALTER O. HANSON	Date Report Required: STANDARD
LAB REFERENCE # 3078J	

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv.	Comp. or Grab	Analysis - Comment
AREA 3: MW-6 MS MSO	9/28/93	1410	WATER	Boiler	NYLON ROPS	2x40ml	HCL	Grab	VOCS (624)
						2x1 litre	N		Semi VOCS (625)
						2x1 litre	N		PCBs (8080)
						2x1 litre	N		TPhd (OAS LUFF)
8 Trip Blank	9/24/93	-				3 <sup>lit</sup> 2x40ml	HCL	-	VOCS (624)
WALTER O. HANSON 9/28/93									

REPLICATE SAMPLE  
TRIP BLANK  
MULTIPLICATE SAMPLE

Name: Walter O. Hanson	Affiliation: RUST	Date: 9/28/93	Time: 1607	Name: [Signature]	Date: 9/28/93	Time: 18:15
Relinquished by:				Received by Laboratory:		
Received by: [Signature]	Affiliation: Aramatrix	Date: 9/28/93	Time: 1607	Samples Intact & Properly Preserved:	Yes	No
Relinquished by: [Signature]	Affiliation: Aramatrix	Date: 9/28/93	Time: 1815	Laboratory Comments:	Cool, good condition	
Received by:						



# Inchcape Testing Services

## Anametrix Laboratories

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

MR. EDWARD ALUSOW  
 RUST ENVIRONMENT AND INFRASTRUCTURE  
 12 METRO PARK ROAD  
 ALBANY, NY 12205

Workorder # : 9309362  
 Date Received : 09/29/93  
 Project ID : 02345-01983  
 Purchase Order: 29518

The following samples were received at Anametrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9309362- 1	4:MW-8
9309362- 2	4:MW-9
9309362- 3	4:MW-14
9309362- 4	T. BLANK

This report consists of 19 pages not including the cover letter, and is organized in sections according to the specific Anametrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anametrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anametrix.

*Sarah Schoen* for  
 \_\_\_\_\_  
 Sarah Schoen, Ph.D.  
 Laboratory Director

10/11/93  
 \_\_\_\_\_  
 Date





## 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. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309362  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GCMS  
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309362- 1	4:MW-8	WATER	09/28/93	8240

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309362  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GCMS  
Sub-Department: GCMS

QA/QC SUMMARY :

- Tentatively Identified Compounds (TIC's) were scanned for, but were not detected in the EPA Method 8240 analysis of sample 4:MW-8.

Yanni Wakida                      10/6/93  
Department Supervisor              /Date

Denise Powell                      10-6-93  
Chemist                                      Date

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

Project ID : 02345-01  
Sample ID : 4:MW-8  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Analyzed : 10/ 4/93  
Instrument ID : MSD1

Anamatrix ID : 9309362-01  
Analyst : DP  
Supervisor : W  
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 :  
 Sample ID : VBLK1N  
 Matrix : WATER  
 Date Sampled : 0/ 0/ 0  
 Date Analyzed : 10/ 4/93  
 Instrument ID : MSD1

Anamatrix ID : B00402A2  
 Analyst : *DP*  
 Supervisor : *w*  
 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 : 02345-01  
 Matrix : LIQUID

Anamatrix ID : 9309362  
 Analyst : DP  
 Supervisor : WW

	SAMPLE ID	SU1	SU2	SU3
1	VBLKIN	100	100	99
2	LCS1M	100	99	98
3	4:MW-8	102	99	99
4				
5				
6				
7				
8				
9				
10				
11				
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 Anamatrix QC limits

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

Project/Case : Anamatrix ID : MO0401A2  
 Matrix : WATER Analyst : *DA*  
 Date Sampled : 0/ 0/ 0 Supervisor : *W*  
 Date Analyzed : 10/4/93 SDG/Batch :  
 Instrument ID : MSD1

LCS1M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	49	98	72-145
Benzene	50	0	54	108	83-125
Trichloroethene	50	0	53	106	61-140
Toluene	50	0	52	104	82-123
Chlorobenzene	50	0	55	110	82-125

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309362  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: PEST

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309362- 1	4:MW-8	WATER	09/28/93	8080 PCB



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

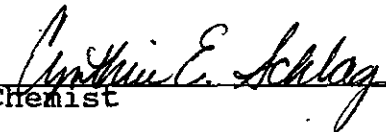
MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309362  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: PEST

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

 10/05/93  
Department Supervisor Date

 10/05/93  
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : 02345-01983  
 Sample ID : 4:MW-8  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 9/30/93  
 Date Analyzed : 10/3/93  
 Instrument ID : HP22  
 Dilution : NONE

Anamatrix ID : 9309362-01  
 Analyst : *CS*  
 Supervisor : *SK*  
 Volume ext. : 1000 mL  
 pH : N/A  
 Final Vol. : 10000 uL  
 Inj. Vol. : 1 ul

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	79	50-118

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : N/A	Anamatrix ID : BS3011PE
Sample ID : BLANK	Analyst : <i>caj</i>
Matrix : WATER	Supervisor : <i>SR</i>
Date Sampled : N/A	Volume ext. : 1000 mL
Date Extracted : 9/30/93	pH : N/A
Date Analyzed : 10/3/93	Final Vol. : 10000 uL
Instrument ID : HP22	Inj. Vol. : 1 ul
Dilution : NONE	

CAS No.	COMPOUND NAME	REPORTING LIMIT (ug/L)	AMOUNT FOUND (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
11104-28-2	Aroclor 1221	0.5	ND
11141-16-5	Aroclor 1232	0.5	ND
53469-21-9	Aroclor 1242	0.5	ND
12672-29-6	Aroclor 1248	0.5	ND
11097-69-1	Aroclor 1254	1.0	ND
11096-82-5	Aroclor 1260	1.0	ND
	SURROGATE	PERCENT RECOVERY	PERCENT RECOVERY LIMITS
2051-24-3	Decachlorobiphenyl	98	50-118

LABORATORY CONTROL SPIKE RECOVERY FORM -- EPA METHOD 8080PCB  
ANAMETRIX, INC. (408) 432-8192

Project ID : N/A  
 Sample ID : LCS/LCSD  
 Matrix : WATER  
 Date Sampled : N/A  
 Date Extracted : 9/30/93  
 Date Analyzed : 10/3/93  
 Instrument ID : HP22  
 Dilution : NONE

Anamatrix ID : MS3011PE  
 Analyst : *OS*  
 Supervisor : *SR*  
 Volume ext. : 1000 mL  
 pH : N/A  
 Final Vol. : 10000 uL  
 Inj. Vol. : 1 ul

COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY
Aroclor 1248	15	11.3	75
COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY
Aroclor 1248	15	11.9	79
COMPOUND NAME	%RPD	RECOVERY LIMITS	RPD LIMITS
Aroclor 1248	-5	60-122	0-30
	SURROGATE - LCS	PERCENT RECOVERY	RECOVERY LIMITS
	Decachlorobiphenyl	93	80-134
	SURROGATE - LCSD	PERCENT RECOVERY	RECOVERY LIMITS
	Decachlorobiphenyl	95	80-134

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309362  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9309362- 1	4:MW-8	WATER	09/28/93	TPHd
9309362- 1	4:MW-8	WATER	09/28/93	TPHg
9309362- 2	4:MW-9	WATER	09/29/93	TPHgBTEX
9309362- 3	4:MW-14	WATER	09/29/93	TPHgBTEX
9309362- 4	T. BLANK	WATER	09/29/93	TPHgBTEX

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

MR. EDWARD ALUSOW  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 METRO PARK ROAD  
ALBANY, NY 12205

Workorder # : 9309362  
Date Received : 09/29/93  
Project ID : 02345-01983  
Purchase Order: 29518  
Department : GC  
Sub-Department: TPH

QA/QC SUMMARY :

- The concentration reported as diesel for sample 4:MW-8 is primarily due to the presence of a heavier petroleum product of hydrocarbon range C18-C36, possibly motor oil.

Cheryl Balman 10/4/93  
Department Supervisor Date

Reggie Dawson 10/5/93  
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS  
(GASOLINE WITH BTEX)  
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9309362  
Matrix : WATER  
Date Sampled : 09/28-29/93

Project Number : 02345-01983  
Date Released : 10/04/93

Reporting Limit	Sample I.D.# 4:MW-8	Sample I.D.# 4:MW-9	Sample I.D.# 4:MW-14	Sample I.D.# T. BLANK	Sample I.D.# BS3001E1
COMPOUNDS (ug/L)	-01	-02	-03	-04	BLANK
Benzene	0.5	--	ND	ND	ND
Toluene	0.5	--	ND	ND	ND
Ethylbenzene	0.5	--	ND	ND	ND
Total Xylenes	0.5	--	ND	ND	ND
TPH as Gasoline	50	ND	ND	ND	ND
% Surrogate Recovery	95%	100%	101%	101%	105%
Instrument I.D.	HP21	HP21	HP21	HP21	HP21
Date Analyzed	09/30/93	09/30/93	09/30/93	09/30/93	09/30/93
RLMF	1	1	1	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
- RLMF - Reporting Limit Multiplication Factor (Dilution).

Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 61-139%.

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

Peggie Dawson 10/5/93  
Analyst Date

Cheryl Bremer 10/4/93  
Supervisor Date

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

Anametrix W.O.: 9309362  
Matrix : WATER  
Date Sampled : 09/28/93  
Date Extracted: 09/29/93

Project Number : 02345-01983  
Date Released : 10/04/93  
Instrument I.D.: HP9 & HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9309362-01	4:MW-8	10/01/93	50	280	99%
BS2911F1	METHOD BLANK	09/29/93	50	ND	74%

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 diesel is determined by GCFID following sample extraction by EPA Method 3510.

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

Reggie Dawson 10/5/93  
Analyst / Date

Cheryl Baerner 10/4/93  
Supervisor / Date



TOTAL VOLATILE HYDROCARBON MATRIX SPIKE REPORT  
 EPA METHOD 5030 WITH GC/PID  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 02345-01983 4:MW-14  
 Matrix : WATER  
 Date Sampled : 09/29/93  
 Date Analyzed : 09/30/93

Anamatrix I.D. : 09362-03  
 Analyst : RD  
 Supervisor : CB  
 Date Released : 10/04/93  
 Instrument I.D.: HP21

COMPOUND	SPIKE AMT (ug/L)	SAMPLE CONC (ug/L)	REC MS (ug/L)	%REC MS	REC MD (ug/L)	%REC MD	RPD	%REC LIMITS
BENZENE	20.0	0.0	18.9	95%	18.2	91%	-4%	45-139
TOLUENE	20.0	0.0	20.2	101%	19.4	97%	-4%	51-138
ETHYLBENZENE	20.0	0.0	20.7	103%	20.1	101%	-3%	48-146
TOTAL XYLENES	20.0	0.0	20.6	103%	20.2	101%	-2%	50-139
p-BFB				104%		104%		61-139

\* Quality control established by Anamatrix, Inc.

TOTAL VOLATILE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT  
 EPA METHOD 5030 WITH GC/PID  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE  
 Matrix : WATER  
 Date Sampled : N/A  
 Date Analyzed : 09/30/93

Anamatrix I.D. : MS3001E1  
 Analyst : RD  
 Supervisor : CB  
 Date Released : 10/04/93  
 Instrument I.D.: HP21

COMPOUND	SPIKE AMT. (ug/L)	LCS (ug/L)	REC LCS	%REC LIMITS
Benzene	20.0	18.4	92%	52-133
Toluene	20.0	19.7	99%	57-136
Ethylbenzene	20.0	20.4	102%	56-139
TOTAL Xylenes	20.0	20.6	103%	56-141
P-BFB			106%	61-139

\* Limits established by Anamatrix, Inc.

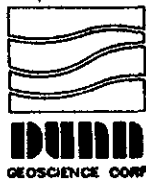
TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT  
 EPA METHOD 3550 WITH GC/FID  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE  
 Matrix : WATER  
 Date Sampled : N/A  
 Date Extracted: 09/29/93  
 Date Analyzed : 09/29/93

Anamatrix I.D. : MS2911F1  
 Analyst : RP  
 Supervisor : *o*  
 Date Released : 10/04/93  
 Instrument I.D.: HP9

COMPOUND	SPIKE AMT (ug/L)	REC LCS (ug/L)	% REC LCS	% REC LIMITS
Diesel	1250	1060	85%	47-130
SURROGATE			73%	30-130

\*Limits established by Anamatrix, Inc.



Client Name: AMERICAN NATIONAL CHEM CO.  
 Project No.: 02345-01983  
 Site Location: OAKLAND, Ca.  
 Sampler: WALTER O. HOWARD

DGC Contact: ED ALLISON  
 Laboratory Contact: JENNIFER MILLER  
 Lab Identification: ANAMETRIX  
 Date Report Required: 5/21/1994  
 LAB REFERENCE # 3078 J

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv.	Comp. or Grab	ANALYSIS COMMENT
① AREA 4: MW-8	9/28/93	1500	WATER	SCULLER	MCON ROPE	2x40 ML	HCL	Grab	VOCs (624)
						2x40 ML	HCL		TPHg (DATS LUFT)
						2x1 litre	N		PCBS (8080)
						2x1 litre	N		TPHd (DATS LUFT)
② AREA 4: MW-9	9/29/93	0745				3x40 ML	HCL		BTEX + TPHg (DATS LUFT)
③ AREA 4: MW-14		0815				3x40 ML	HCL		BTEX + TPHg (DATS LUFT)
④ TRIP BLANK	NA	NA	NA	NA	NA	3x40 ML	HCL	NA	BTEX + TPHg (DATS LUFT)

*Walter O. Howard*  
 9/29/93

Name	Affiliation	Date	Time	Name	Date	Time
Relinquished by: <i>Walter O. Howard</i>	<i>RUST</i>	<i>9/29/93</i>	<i>1445</i>	Received by Laboratory: <i>[Signature]</i>	<i>9/29/93</i>	<i>15:25</i>
Received by: <i>[Signature]</i>	<i>Anametric</i>	<i>9/29/93</i>	<i>1445</i>	Samples Intact & Properly Preserved: <i>(Yes)</i>		<i>or No</i>
Relinquished by: <i>[Signature]</i>	<i>Anametric</i>	<i>9/29/93</i>	<i>1525</i>	Laboratory Comments: <i>good, cool.</i>		
Received by:						

**LABORATORY COMMENTS  
AND REANALYSIS OF WELL MW-6**



# Inchcape Testing Services

## Anametrix Laboratories

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

November 2, 1993

Mr. Tony Noce  
RUST ENVIRONMENT & INFRASTRUCTURE  
12 Metro Park Road  
Albany, NY 12205

Dear Mr. Noce:

This letter is in reference to our telephone conversation on November 1, 1993 concerning project 02345-01983, sample Area 3: MW-6, received on September 28, 1993 by Anametrix.

The fact that the results reported for this sample by EPA Method 625 do not agree with your historical data for this monitoring well may be due to an error during sample preparation. An investigation of the raw data for the sample and its matrix spike and matrix spike duplicate suggests a possible switch of the acid fractions of the sample and the matrix spike. The reported compounds in the sample are the acid spiking compounds in the Anametrix matrix spiking solution.

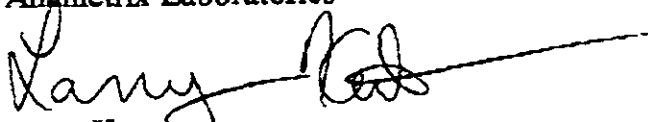
If a switch of the aliquot had occurred, then the sum of the concentrations of the acid compounds in the sample and the matrix spike should be equal to the concentration of the compounds in the matrix spike duplicate. The base spiking compounds were not reported in the sample, but were recovered in the matrix spike, because the sample is first extracted at a basic pH. The base spiking compounds would have been extracted during this procedure, and therefore would not have been observed in the acid fraction that was switched. This would explain why no base spiking compounds were detected in the sample.

This hypothesis cannot be verified because the fractions have since been combined. Anametrix will reextract and reanalyze the sample, even though the holding time has expired.

If I can be of any further assistance, please call me at (408) 432-8192.

Sincerely,

**INCHCAPE TESTING SERVICES**  
Anametrix Laboratories

  
Larry Kent  
Quality Assurance Manager



# Inchcape Testing Services

## Anametrix Laboratories

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

November 12, 1993

Mr. Tony Noce  
RUST ENVIRONMENT AND INFRASTRUCTURE  
12 Metro Park Road  
Albany, NY 12205

Dear Mr. Noce:

Enclosed are the Method 8270 confirmatory results for your project 02345-01983, sample 3:MW-6 (Anametrix ID 9309352-08). As expected the compounds in question were not detected by this reanalysis.

If we can be of any further assistance, please call me at (408)432-8192.

Sincerely,

Larry Kent  
Quality Assurance Manager

Enclosure

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-6  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 11/ 2/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 11/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-08  
Analyst : CJ  
Supervisor : MCT

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	ND	U
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl)ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	ND	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	ND	U
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	ND	U
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	ND	U
91-57-6	2-Methylnaphthalene	10.	ND	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U



ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Sample ID : 3:MW-6  
Matrix : WATER  
Date Sampled : 9/28/93  
Date Extracted : 11/ 2/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 11/ 5/93  
Instrument ID : MSD4

Anamatrix ID : 9309352-08  
Analyst : *ly*  
Supervisor : *mt*

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	ND	U
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	ND	U
85-01-8	Phenanthrene	10.	ND	U
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzydine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	ND	U
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

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TENTATIVELY IDENTIFIED COMPOUNDS

Project ID : 02345-01  
 Sample ID : 3:MW-6  
 Matrix : WATER  
 Date Sampled : 9/28/93  
 Date Extracted : 11/ 2/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 11/ 5/93  
 Instrument ID : MSD4

Anamatrix ID : 9309352-08  
 Analyst : LY  
 Supervisor : M.C.

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. - -	UNKNOWN	0.	5.	J
2. 2233-00-3	1-Propene, 3,3,3-trichloro-	0.	8.	BJ
3. 108-85-0	Cyclohexane, bromo-	0.	10.	J
4. 80-73-9	2-Imidazolidinone, 1,3-dimet	0.	10.	J
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ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID :  
Sample ID : SBLK4J  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 11/ 2/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 11/ 4/93  
Instrument ID : MSD4

Anamatrix ID : BN0211B1  
Analyst : L-1  
Supervisor : MCG

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	10.	ND	U
108-95-2	Phenol	10.	ND	U
4165-61-1	Aniline	10.	ND	U
111-44-4	bis(2-Chloroethyl) ether	10.	ND	U
95-57-8	2-Chlorophenol	10.	ND	U
541-73-1	1,3-Dichlorobenzene	10.	ND	U
106-46-7	1,4-Dichlorobenzene	10.	ND	U
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	ND	U
106-44-5	4-Methylphenol	10.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	10.	ND	U
67-72-1	Hexachloroethane	10.	ND	U
98-95-3	Nitrobenzene	10.	ND	U
78-59-1	Isophorone	10.	ND	U
105-67-9	2,4-Dimethylphenol	10.	ND	U
88-75-5	2-Nitrophenol	10.	ND	U
65-85-0	Benzoic Acid	50.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	10.	ND	U
120-83-2	2,4-Dichlorophenol	10.	ND	U
120-82-1	1,2,4-Trichlorobenzene	10.	ND	U
91-20-3	Naphthalene	10.	ND	U
106-47-8	4-Chloroaniline	10.	ND	U
87-68-3	Hexachlorobutadiene	10.	ND	U
59-50-7	4-Chloro-3-methylphenol	10.	ND	U
91-57-6	2-Methylnaphthalene	10.	ND	U
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
ANAMETRIX, INC. (408) 432-8192

Project ID :  
Sample ID : SBLK4J  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 11/ 2/93  
Amount Extracted : 1000.0 mL  
Date Analyzed : 11/ 4/93  
Instrument ID : MSD4

Anamatrix ID : BN0211B1  
Analyst : LJ  
Supervisor : MJ

Dilution Factor : 1.0  
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	10.	ND	U
208-96-8	Acenaphthylene	10.	ND	U
99-09-2	3-Nitroaniline	50.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	50.	ND	U
100-02-7	4-Nitrophenol	50.	ND	U
132-64-9	Dibenzofuran	10.	ND	U
121-14-2	2,4-Dinitrotoluene	10.	ND	U
84-66-2	Diethylphthalate	10.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	10.	ND	U
86-73-7	Fluorene	10.	ND	U
100-01-6	4-Nitroaniline	50.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	ND	U
103-33-3	Azobenzene	10.	ND	U
101-55-3	4-Bromophenyl-phenylether	10.	ND	U
118-74-1	Hexachlorobenzene	10.	ND	U
87-86-5	Pentachlorophenol	50.	ND	U
85-01-8	Phenanthrene	10.	ND	U
120-12-7	Anthracene	10.	ND	U
84-74-2	Di-n-butylphthalate	10.	ND	U
206-44-0	Fluoranthene	10.	ND	U
92-87-5	Benzidine	10.	ND	U
129-00-0	Pyrene	10.	ND	U
85-68-7	Butylbenzylphthalate	10.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	ND	U
91-94-1	3,3'-Dichlorobenzidine	20.	ND	U
56-55-3	Benzo(a)anthracene	10.	ND	U
218-01-9	Chrysene	10.	ND	U
117-84-0	Di-n-octylphthalate	10.	ND	U
205-99-2	Benzo(b)fluoranthene	10.	ND	U
207-08-9	Benzo(k)fluoranthene	10.	ND	U
50-32-8	Benzo(a)pyrene	10.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	ND	U
53-70-3	Dibenz(a,h)anthracene	10.	ND	U
191-24-2	Benzo(g,h,i)perylene	10.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8270  
 ANAMETRIX, INC. (408)432-8192

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TENTATIVELY IDENTIFIED COMPOUNDS

Project ID :  
 Sample ID : SBLK4J  
 Matrix : WATER  
 Date Sampled : 0/ 0/ 0  
 Date Extracted : 11/ 2/93  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 11/ 4/93  
 Instrument ID : MSD4

Anametrix ID : BN0211B1  
 Analyst : LJ  
 Supervisor : MCT

Dilution Factor : 1.0  
 Conc. Units : ug/L

CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1. 2233-00-3	1-Propene, 3,3,3-trichloro-	0.	8.	J
2. 55702-61-9	2-Hexene, 4,4,5-trimethyl-	0.	10.	J
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SURROGATE RECOVERY SUMMARY -- EPA METHOD 8270  
ANAMETRIX, INC. (408)432-8192

Project ID : 02345-01  
Matrix : LIQUID

Anamatrix ID : 9309352  
Analyst : *LU*  
Supervisor : *MG*

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	SBLK4J	64	67	50	54	61	62
2	LCS4J	76	79	74	79	85	84
3	LCSD4J	64	66	54	59	71	62
4	3:MW-6	65	72	76	78	73	85
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QC LIMITS

SU1 = 2-Fluorophenol	(21-100)
SU2 = Phenol-d5	(10- 94)
SU3 = Nitrobenzene-d5	(35-114)
SU4 = 2-Fluorobiphenyl	(43-116)
SU5 = 2,4,6-Tribromophenol	(10-123)
SU6 = Terphenyl-d14	(33-141)

\* Values outside of Anamatrix QC limits