RUST ENVIRONMENT & INFRASTRUCTURE

Formerly DUNN Corporation

93 JUL 30 AM 9:04

RUST Environment & Infrastructure Inc.
12 Metro Park Road
Albany, NY 12205
Tel. (518) 458-1313 • FAX (518) 458-2472

July 27, 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, formerly Dunn Corporation) has completed a ninth round of quarterly groundwater monitoring for the subject site, the fifth round following the revised groundwater monitoring plan (dated April 27, 1992). This round of monitoring was conducted between June 2 and June 4, 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.

The trace estimated concentration (2 ppb) of 1,1-dichloroethane previously detected in MW-8 during the March, 1993 round of sampling was not detected during this round of sampling. The seemingly ephemeral nature of this analytical result leads to the conclusion that the presence of 1,1-dichloroethane in the groundwater in MW-8 is not confirmed. In fact, the likelihood of sample contamination at that concentration from even an airborne source in the field or in the lab is not beyond reason. 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 third quarterly monitoring event. Table 1 is a summary of groundwater levels and product thickness measurements recorded June 2, 1993. Plate 14 is a map of these groundwater elevation measurements. Table 2 provides a summary of the results from analyses of groundwater samples collected. A detailed laboratory analytical report is included with this letter.

If you have any questions, please call me.

Very truly yours,

Edward W. Alusow

Edward W. Alusow
Senior Project Manager

EWA/kws

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

D:CHANJUL.DOC

TABLE 2
AMERICAN NATIONAL CAN COMPANY
OAKLAND, CALIFORNIA, FACILITY
Summary of Quarterly Ground Water Analytical Results - June, 1993

ANALYSIS	AREA - 2		AREA - 3							AREA - 4		
	MW-21	TW-1	MW-1	MW-6	DUPX-1	MW-7	MW-18	MW-19	MW-20	MW-8	MW-9	MW-14
Volatile Organics (EPA Methods 624)(ug/l) Dilution Factor	--	--	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	--	--
Vinyl Chloride	--	--	4 J	nd	nd	nd	nd	nd	nd	nd	--	
Chloroethane	--	--	nd	nd	nd	nd	nd	nd	nd	nd	--	
1,1-Dichloroethene	--	--	nd	3 J	nd	nd	nd	nd	nd	nd	--	
Carbon Disulfide	--	--	nd	nd	nd	nd	4 J	nd	nd	nd	--	
1,1-Dichloroethane	--	--	nd	95	80	nd	nd	nd	nd	nd	--	--
1,1,1-Trichloroethane	--	--	nd	9	6	nd	nd	nd	nd	nd	--	--
Benzene	--	--	10	nd	nd	nd	nd	10	nd	nd	--	--
Tetrachloroethene	--	--	nd	nd	nd	nd	nd	nd	3 J	nd	--	--
Chlorobenzene	--	--	16	nd	nd	nd	nd	41	nd	nd	--	--
Ethylbenzene	--	--	8	nd	nd	nd	nd	nd	nd	nd	--	--
Total Xylenes	--	--	12	nd	nd	nd	nd	4 J	nd	nd	--	--
1,3-Dichlorobenzene	--	--	5 J	nd	nd	nd	nd	3 J	nd	nd	--	--
1,4-Dichlorobenzene	--	--	31	nd	nd	nd	nd	21	nd	nd	--	--
1,2-Dichlorobenzene	--	--	27	nd	nd	nd	nd	30	nd	nd	--	--
Total	--	--	113 J	107 J	86	nd	4 J	109 J	3 J	nd	--	--
TICS Total	--	--	79 J	0	0	0	0	110 J	0	0	--	--
Semi-Volatile Organics (EPA Methods 625)(ug/l) Dilution Factor	--	--	1.0	1.0	1.0	--	--	1.0	--	--	--	
1,3-Dichlorobenzene	--	--	nd	nd	nd	--	--	nd	--	--	--	
1,4-Dichlorobenzene	--	--	14	nd	nd	--	--	11	--	--	--	--
1,2-Dichlorobenzene	--	--	11	nd	nd	--	--	14	--	--	--	--
Benzoic Acid	--	--	nd	nd	nd	--	--	nd	--	--	--	--
Naphthalene	--	--	7 J	nd	nd	--	--	nd	--	--	--	--
2-Methylnaphthalene	--	--	4 J	nd	nd	--	--	26	--	--	--	--
Acenaphthene	--	--	nd	nd	nd	--	--	nd	--	--	--	--
Fluorene	--	--	nd	nd	nd	--	--	4 J	--	--	--	--
Phenanthrene	--	--	nd	nd	nd	--	--	nd	--	--	--	--
Anthracene	--	--	nd	nd	nd	--	--	4 J	--	--	--	--
Fluoranthene	--	--	nd	nd	nd	--	--	nd	--	--	--	--
Pyrene	--	--	nd	nd	nd	--	--	nd	--	--	--	--
Bis (2-Ethylhexyl) Phthalate	--	--	nd	nd	nd	--	--	nd	--	--	--	--
Total	--	--	36 J	nd	nd	--	--	59 J	--	--	--	--
TICS Total	--	--	122 J	0	0	--	--	420 J	--	--	--	--
TPH as Gasoline (EPA Methods 5030/8015)(ug/l)	--	--	--	--		--	--	--	--	nd	nd	nd
BTEX (EPA Methods 5030/8020)(ug/l)												
Benzene	--	--	--	--		--	--	--	--	--	nd	nd
Toluene	--	--	--	--		--	--	--	--	--	nd	nd
Ethylbenzene	--	--	--	--		--	--	--	--	--	nd	nd
Total Xylenes	--	--	--	--		--	--	--	--	--	nd	nd
TPH as Diesel (EPA Method 3510)(ug/l)	120	--	2400	120	140	180	88	37000	140	61	--	--
PCBs (EPA Method 8080)(ug/l) Aroclor-1260	--	--	3.8	nd	nd	nd	nd	4.6	nd	nd	--	--
Metals												
Nickel (filtered)	nd	--	--	--	--	--	--	--	--	--	--	--
Zinc (filtered)	nd	--	--	--	--	--	--	--	--	--	--	--

-- 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.
DUP X-1 is a field duplicate of sample MW-6.

Inchcape Testing Services
Anametrix Laboratories

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306057
Date Received : 06/03/93
Project ID : 02345-0198
Purchase Order: 29518

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

ANAMETRIX ID	CLIENT SAMPLE ID
9306057- 1	4:MW-8
9306057- 2	4:MW-14
9306057- 3	4:MW-9

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 resul 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,Ph.D.
Laboratory Director

06-18-93
Date

ANAMETRIX 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 Anametrix 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 Anametrix. 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

Anametrix uses several data qualifiers (Q) in it's 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
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306057
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306057- 1	4:MW-8	WATER	06/02/93	8240

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306057
Date Received : 06/03/93
Project ID : 02345-01983-010
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.

Department Supervisor 6/14/93 Date

Chemist 6/14 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 : 6/ 2/93
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : 9306057-01
Analyst : [illegible]
Supervisor : [illegible]

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 : VBLK1W
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : BU1002A2
Analyst : [illegible]
Supervisor : [illegible]

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

Anametrix ID : 9306057
Analyst : wl
Supervisor : [illegible]

	SAMPLE ID	SU1	SU2	SU3
1	VBLK1W	95	99	102
2	LCS1W	98	100	100
3	4:MW-8	95	95	103
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	(83-109)
SU2 = Toluene-d8	(88-110)
SU3 = 1,4-Bromofluorobenzene	(88-110)

* Values outside of Anametrix QC limits

LABORATORY CONTROL SPIKE RECOVERY FORM --- EPA METHOD 624/8240

ANAMETRIX, INC. (408)432-8192

Project/Case :
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : MU1001A2
Analyst : [illegible]
Supervisor : [illegible]
SDG/Batch :

LCS1W

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	38	76	72-145
Benzene	50	0	48	96	83-125
Trichloroethene	50	0	43	86	61-140
Toluene	50	0	50	100	82-123
Chlorobenzene	50	0	53	106	82-125

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306057
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHO
9306057- 1	4:MW-8	WATER	06/02/93	8080 PC

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306057
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: PEST

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 6/15/93 Date

Chemist 06/15/93 Date

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306057-01
Sample ID	: 4:MW-8	Analyst	:
Matrix	: WATER	Supervisor	: SR
Date Sampled	: 06/02/93	Volume ext. (ml)	: 955
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits
2051-24-3	Decachlorobiphenyl	66%	30-130%

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

* Anametrix advisory limits

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

Project ID	: N/A	Anametrix I.D.	: BU0811PE
Sample ID	: BLANK	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: 06/02/93	Volume ext. (ml)	: 1000
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	74%	30-130%

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

* Anametrix advisory limits

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080/PCBs
PESTICIDE LABORATORY CONTORL SPIKE REPORT
ANAMETRIX, INC. (408)-432-8192

Project ID	: N/A	Anametrix I.D.	: MU0811PE
Sample ID	: LCS	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: N/A	Volume ext. (ml)	: 1000
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

COMPOUND	Spike Added (ug/L)	LCS (ug/L)	LCS %Rec		%REC LIMITS*
Aroclor 1248	15.0	12.6	84%		30-130%
COMPOUND	**Spike Added (ug/L)**	**LCSD (ug/L)**	**LCSD %Rec**	**RPD**	**%RPD LIMITS**
Aroclor 1248	15.0	12.5	83%	1%	25

SURROGATE	LCS %REC		LCSD %REC		%REC LIMITS*
Decachlorobiphenyl	74%		77%		30-130%

* Anametrix advisory limits

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306057
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306057- 1	4:MW-8	WATER	06/02/93	TPHd
9306057- 1	4:MW-8	WATER	06/02/93	TPHg
9306057- 2	4:MW-14	WATER	06/02/93	TPHgBTEX
9306057- 3	4:MW-9	WATER	06/03/93	TPHgBTEX

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306057
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Department Supervisor 6/17/93 Date

Chemist 06/17/93 Date

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

Anametrix W.O.: 9306057
Matrix : WATER
Date Sampled : 06/02 & 03/93

Project Number : 02345-01983-010
Date Released : 06/15/93

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# 4:MW-8 -01	Sample I.D.# 4:MW-14 -02	Sample I.D.# 4:MW-9 -03	Sample I.D.# BU0901E2 BLANK	Sample I.D.# BU1701E2 BLANK
Benzene	0.5	-	ND	ND	ND	ND
Toluene	0.5	-	ND	ND	ND	ND
Ethylbenzene	0.5	-	ND	ND	ND	ND
Total Xylenes	0.5	-	ND	ND	ND	ND
TPH as Gasoline	50	ND	ND	ND	ND	ND
% Surrogate Recovery		107%	107%	114%	104%	113%
Instrument I.D.		HP21	HP21	HP21	HP21	HP21
Date Analyzed		06/10/93	06/10/93	06/17/93	06/09/93	06/17/93
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.

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

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

06/18/93
Analyst Date

Supervisor 6/18/93 Date

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

Anametrix W.O.: 9306057
Matrix : WATER
Date Sampled : 06/02/93
Date Extracted: 06/08/93

Project Number : 02345-01983-0101
Date Released : 06/17/93
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)
9306057-01	4:MW-8	06/10/93	50	61
BU0811F1	METHOD BLANK	06/09/93	50	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
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.

Analyst 06/17/93 Date

Supervisor 6/17/93 Date

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

Sample I.D. : N/A
Matrix : WATER
Date Sampled : 06/04/93
Date Analyzed : 06/10/93

Anametrix I.D. : 06080-02
Analyst :
Supervisor :
Date Released : 06/17/93
Instrument ID : HP21

COMPOUND	SPIKE AMT (ug/L)	SAMPLE AMT (ug/L)	REC MS (ug/L)	% REC MS	REC MD (ug/L)	% REC MD	RPD	% REC LIMITS
GASOLINE	500	0	540	108%	570	114%	5%	48-149
P-BFB				97%		100%		61-139

* Limits established by Anametrix, Inc.

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

Sample I.D. : LAB CONTROL SAMPLE
Matrix : WATER
Date Sampled : N/A
Date Analyzed : 06/10/93

Anametrix I.D. : LCSW0610
Analyst :
Supervisor :
Date Released : 06/15/9
Instrument I.D.: HP21

COMPOUND	SPIKE AMT. (ug/L)	REC LCS (ug/L)	%REC LCS	% REC LIMITS
GASOLINE	500	560	112%	67-127
SURROGATE			103%	61-139

* Quality control established by Anametrix, Inc.

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

Sample I.D. : LAB CONTROL SAMPLE
Matrix : WATER
Date Sampled : N/A
Date Analyzed : 06/17/93

Anametrix I.D. : LCSW0617
Analyst :
Supervisor :
Date Released : 06/18
Instrument I.D.: HP21

COMPOUND	SPIKE AMT. (ug/L)	REC LCS (ug/L)	%REC LCS	% REC LIMITS
GASOLINE	500	590	118%	67-127
p-BFB			114%	61-139

* Quality control established by Anametrix, Inc.

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

Sample I.D. : LAB CONTROL SAMPLE
Matrix : WATER
Date Sampled : N/A
Date Extracted: 06/08/93
Date Analyzed : 06/09/93

Anametrix I.D. : MU081[illegible]
Analyst : [illegible]
Supervisor : [illegible]
Date Released : 06[illegible]
Instrument I.D.: HP2[illegible]

COMPOUND	SPIKE AMT (ug/L)	LCS REC (ug/L)	% REC LCS	LCSD REC (ug/L)	% REC LCSD	RPD	% REC LIMITS
DIESEL	1250	910	73%	860	69%	-6%	47-130

*Quality control established by Anametrix, Inc.

AREA 4 SAMPLES

Dunn Geoscience Corp.
12 Metro Park Road
Albany, N.Y. 12205 (518) 458-1313

9306057 (18) (15) (12/12)

DUNN GEOSCIENCE CORP

Client Name: AMERICAN NATIONAL CAN CO.
Project No.: 02345-01983-0101
Site Location: Oakland Ca
Sampler: WALTER O. HOWARD

DGC Contact: ED ALLISON
Laboratory Contact: JENNIFER MILLER
Lab Identification: ANAMETRIX
Date Report Required. STANDARD

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv.	Comp. or Grab	Analysis Comment
1 AREA 4: MW-8	6/2/93	1430	WATER	Bailer	NYLON ROPE	2x40 ML	HCL	Grab	VOCs (8240) W/XYLENES
						2x1 litre	N		PCBs (8080)
						2x1 litre	N		TPHd (DHS CAFT)
						2x40 ML	HCL		TPHg (DHS CAFT)
2 AREA 4: MW-14	6/2/93	1530	WATER	Bailer	NYLON ROPE	3x40 ML	HCL	Grab	BTEX + TPHg (DHS CAFT)
3 AREA 4: MW-9	6/3/93	0740	Water	Bailer	NYLON ROPE	3x40 ML	HCL	Grab	BTEX + TPHg (DHS CAFT)

Walter O. Howard 6/3/93

	Name	Affiliation	Date	Time
Relinquished by:	Walter O. Howard	DUNN	6/3/93	1545
Received by:		ANAMETRIX	6/3/93	1545
Relinquished by:		ANAMETRIX	6/3/93	1655
Received by:				

Received by Laboratory: [illegible] 6/3/93 16:45
Samples Intact & Properly Preserved: (Yes) or No
Laboratory Comments: [illegible]

FORM30

Inchcape Testing Services
Anametrix Laboratories

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-0198
Purchase Order: 29518

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

ANAMETRIX ID	CLIENT SAMPLE ID
9306056- 1	2:MW-21
9306056- 2	3:MW-6
9306056- 3	3:DUPX-1
9306056- 4	3:MW-7
9306056- 5	3:MW-1
9306056- 6	3:MW-20
9306056- 7	3:MW-19
9306056- 8	T. BLANK

This report consists of 56 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, Ph.D.
Laboratory Director

06-18-93
Date

ANAMETRIX 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 Anametrix 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 Anametrix. 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

Anametrix uses several data qualifiers (Q) in it's 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
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-0198
Purchase Order: 29518
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306056- 2	3:MW-6	WATER	06/03/93	8240
9306056- 3	3:DUPX-1	WATER	06/03/93	8240
9306056- 4	3:MW-7	WATER	06/03/93	8240
9306056- 5	3:MW-1	WATER	06/03/93	8240
9306056- 6	3:MW-20	WATER	06/03/93	8240
9306056- 7	3:MW-19	WATER	06/03/93	8240
9306056- 8	T. BLANK	WATER	06/01/93	8240
9306056- 2	3:MW-6	WATER	06/03/93	8270
9306056- 3	3:DUPX-1	WATER	06/03/93	8270
9306056- 5	3:MW-1	WATER	06/03/93	8270
9306056- 7	3:MW-19	WATER	06/03/93	8270

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-01983
Purchase Order: 29518
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- Sample 3:MW-1 exhibited low surrogate recoveries in the EPA Method 8270 analysis. The sample was then re-extracted outside established hold time.
- N-nitroso-di-n-propylamine percent recovery is outside established limits in the EPA Method 8270 laboratory control spike extracted on 06-07-93.
- Several compounds relative percent differences are outside established limits in the EPA Method 8270 laboratory control spike and laboratory control spike duplicate analyses extracted on 06-07-93. Because percent recoveries of the compounds are within QC limits, the laboratory control spike is reported.
- Percent recoveries for 4-Nitrophenol and 1,2,4-trichlorobenzene are outside established limits in the EPA Method 8270 laboratory control spike extracted on 06-14-93.
- Pentachlorophenol relative percent difference is outside established limits in the EPA Method 8270 laboratory control spike extracted on 06-14-93.
- A surrogate recovery is outside established limits in the EPA Method 8270 (re-extracted) analysis of sample 3:MW-1, the laboratory control spike, the laboratory control spike duplicate and the method blank.

Department Supervisor 6-18-93 Date

Chemist 6-18-93 Date

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 : 6/ 3/93
Date Analyzed : 6/ 8/93
Instrument ID : MSD1

Anametrix ID : 9306056-02
Analyst : [illegible]
Supervisor : [illegible]

Dilution Factor : 1.
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.	3.	J
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.	95.	
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.	9.	
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:DUPX-1
Matrix : WATER
Date Sampled : 6/ 3/93
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : 9306056-03
Analyst : W
Supervisor : LY

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.	80.	
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.	6.	
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 : 6/ 3/93
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : 9306056-04
Analyst : [illegible]
Supervisor : [illegible]

Dilution Factor :
Conc. Units : ug/I

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

roject ID : 02345-01
mple ID : 3:MW-1
tr ix : WATER
t Sampled : 6/ 3/93
te Analyzed : 6/10/93
nstrument ID : MSD1

Anametrix ID : 9306056-05
Analyst : JW
Supervisor : VF

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.	4.	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.	
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.	16.	
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.	31.	
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 : 6/ 3/93
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : 9306056-05
Analyst : [illegible]
Supervisor : [illegible]

Dilution Factor : 1.0
Conc. Units : ug/L

	CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1.	103-65-1	Benzene, propyl-	0.	9.	J
2.	611-14-3	Benzene, 1-ethyl-2-methyl-	0.	10.	J
3.	98-82-8	Benzene, (1-methylethyl)-	0.	20.	J
4.	611-15-4	Benzene, 1-ethenyl-2-methyl-	0.	20.	J
5.	27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	0.	20.	J
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.					

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 : 6/ 3/93
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : 9306056-06
Analyst : [illegible]
Supervisor : [illegible]

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-19
Matrix : WATER
Date Sampled : 6/ 3/93
Date Analyzed : 6/11/93
Instrument ID : MSD1

Anametrix ID : 9306056-07
Analyst : [illegible]
Supervisor : [illegible]

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.	
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.	41.	
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.	21.	
95-50-1	1,2-Dichlorobenzene	5.	30.	

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 : 6/ 3/93
Date Analyzed : 6/11/93
Instrument ID : MSD1

Anametrix ID : 9306056-07
Analyst : W
Supervisor : M

Dilution Factor : 1.0
Conc. Units : ug/L

	CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1.	96-37-7	Cyclopentane, methyl-	0.	10.	J
2.	108-87-2	Cyclohexane, methyl-	0.	20.	J
3.	611-15-4	Benzene, 1-ethenyl-2-methyl-	0.	20.	J
4.	27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	0.	30.	J
5.	824-22-6	1H-Indene, 2,3-dihydro-4-met	0.	30.	J
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.					

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

Project ID : 02345-01
Sample ID : T. BLANK
Matrix : WATER
Date Sampled : 6/ 1/93
Date Analyzed : 6/11/93
Instrument ID : MSD1

Anametrix ID : 9306056-08
Analyst : W
Supervisor : M
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 : VBLK1S
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/ 8/93
Instrument ID : MSD1

Anametrix ID : BU0802A2
Analyst : lw
Supervisor : JH

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.	2.	J
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 : VBLK1W
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : BU1002A2
Analyst : [illegible]
Supervisor : [illegible]

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 : VBLK1Y
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/11/93
Instrument ID : MSD1

Anametrix ID : BU1102A2
Analyst : W
Supervisor : JH

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

Anametrix ID : 9306056
Analyst : lw
Supervisor : [illegible]

	SAMPLE ID	SU1	SU2	SU3
1	VBLK1S	96	98	100
2	LCS1S	99	101	99
3	3:MW-6	98	100	98
4	VBLK1W	95	99	102
5	LCS1W	98	100	100
6	3:DUPX-1	96	97	102
7	3:MW-7	96	98	102
8	3:MW-1	97	94	105
9	3:MW-MS	95	95	105
10	3:MW-MSD	96	97	106
11	3:MW-20	96	97	102
12	VBLK1Y	95	99	100
13	LCS1Y	96	99	99
14	T. BLANK	96	99	101
15	3:MW-19	94	97	105
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

	QC LIMITS
SU1 = 1,2-Dichloroethane-d4	(83-109)
SU2 = Toluene-d8	(88-110)
SU3 = 1,4-Bromofluorobenzene	(88-110)

* Values outside of Anametrix QC limits

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

Project ID : 02345-01
Sample ID : 3:MW-7
Matrix : WATER
Date Sampled : 6/ 3/93
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : 9306056-04
Analyst : [illegible]
Supervisor : [illegible]

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.	57.	114	75-134
Trichloroethene	50.	0.	57.	115	69-136
Toluene	50.	0.	53.	106	78-130
Chlorobenzene	50.	0.	57.	114	85-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
1,1-Dichloroethene	50.	57.	113	6	25	67-150
Benzene	50.	61.	122	7	25	75-134
Trichloroethene	50.	61.	121	6	25	69-136
Toluene	50.	58.	115	8	25	78-130
Chlorobenzene	50.	60.	120	5	25	85-130

* Value is outside of Anametrix 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 :
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/8/93
Instrument ID : MSD1

Anametrix ID : MU0801A2
Analyst : lw
Supervisor : rl
SDG/Batch :

LCS1S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	41	82	72-145
Benzene	50	0	50	100	83-125
Trichloroethene	50	0	44	88	61-140
Toluene	50	0	53	106	82-123
Chlorobenzene	50	0	54	108	82-125

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

Project/Case :
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/10/93
Instrument ID : MSD1

Anametrix ID : MU1001A2
Analyst : [illegible]
Supervisor : [illegible]
SDG/Batch :

LCS1W

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	38	76	72-145
Benzene	50	0	48	96	83-125
Trichloroethene	50	0	43	86	61-140
Toluene	50	0	50	100	82-123
Chlorobenzene	50	0	53	106	82-125

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

Project/Case :
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/11/93
Instrument ID : MSD1

Anametrix ID : MU1101A2
Analyst : lw
Supervisor : JL
SDG/Batch :

LCS1Y

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	37	74	72-145
Benzene	50	0	49	98	83-125
Trichloroethene	50	0	43	86	61-140
Toluene	50	0	52	104	82-123
Chlorobenzene	50	0	54	108	82-125

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 : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 970.0 mL
Date Analyzed : 6/10/93
Instrument ID : MSD3

Anametrix ID : 9306056-02
Analyst :
Supervisor :

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	10.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	52.	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	10.	ND	U
91-58-7	2-Chloronaphthalene	52.	ND	U
88-74-4	2-Nitroaniline	10.	ND	U
131-11-3	Dimethylphthalate	52.	ND	U
		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 : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 970.0 mL
Date Analyzed : 6/10/93
Instrument ID : MSD3

Anametrix ID : 9306056-02
Analyst :
Supervisor :

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	52.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	52.	ND	U
100-02-7	4-Nitrophenol	52.	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	52.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	52.	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	52.	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	21.	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

Project ID : 02345-01
Sample ID : 3:DUPX-1
Matrix : WATER
Date Sampled : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 970.0 mL
Date Analyzed : 6/10/93
Instrument ID : MSD3

Anametrix ID : 9306056-03
Analyst :
Supervisor :

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	52.	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	52.	ND	U
95-95-4	2,4,5-Trichlorophenol	10.	ND	U
91-58-7	2-Chloronaphthalene	52.	ND	U
88-74-4	2-Nitroaniline	10.	ND	U
131-11-3	Dimethylphthalate			

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 : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 970.0 mL
Date Analyzed : 6/10/93
Instrument ID : MSD3

Anametrix ID : 9306056-03
Analyst : [illegible]
Supervisor : [illegible]

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	52.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	52.	ND	U
100-02-7	4-Nitrophenol	52.	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	52.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	52.	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	52.	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	21.	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

Project ID : 02345-01
Sample ID : 3:MW-1
Matrix : WATER
Date Sampled : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 970.0 mL
Date Analyzed : 6/10/93
Instrument ID : MSD3

Anametrix ID : 9306056-05
Analyst : MCT
Supervisor : JL

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.	11.	
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	52.	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.	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	52.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	52.	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 : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 970.0 mL
Date Analyzed : 6/10/93
Instrument ID : MSD3

Anametrix ID : 9306056-05
Analyst :
Supervisor :

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	52.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	52.	ND	U
100-02-7	4-Nitrophenol	52.	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	52.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	52.	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	52.	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	21.	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 : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 970.0 mL
Date Analyzed : 6/10/93
Instrument ID : MSD3

Anametrix ID : 9306056-05
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.0
Conc. Units : ug/L

	CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1.	- -	UNKNOWN	0.	6.	J
2.	874-35-1	1H-Indene, 2,3-dihydro-5-met	0.	7.	J
3.	874-35-1	1H-Indene, 2,3-dihydro-5-met	0.	5.	J
4.	18321-36-3	Benzene, (1,1-dimethyl-2-pro	0.	5.	J
5.	1541-20-4	Bi-2-cyclohexen-1-yl	0.	30.	J
6.	- -	UNKNOWN	0.	4.	J
7.	62016-37-9	Octane, 2,4,6-trimethyl-	0.	7.	J
8.	- -	UNKNOWN	0.	6.	J
9.	585-34-2	Phenol, 3-(1,1-dimethylethyl	0.	9.	J
10.	581-40-8	Naphthalene, 2,3-dimethyl-	0.	10.	J
11.	61141-72-8	Dodecane, 4,6-dimethyl-	0.	7.	J
12.	- -	UNKNOWN	0.	5.	J
13.	829-26-5	Naphthalene, 2,3,6-trimethyl	0.	4.	J
14.	- -	UNKNOWN	0.	6.	J
15.	17312-75-3	Nonane, 5-methyl-5-propyl-	0.	5.	J
16.	120-40-1	Dodecanamide, N,N-bis(2-hydr	0.	6.	J
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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 : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 975.0 mL
Date Analyzed : 6/11/93
Instrument ID : F3

Anametrix ID : 9306056-07
Analyst : MC
Supervisor : [illegible]

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.	11.	
100-51-6	BENZYL ALCOHOL	10.	ND	U
95-50-1	1,2-DICHLOROBENZENE	10.	14.	
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	51.	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.	26.	
91-57-6	2-METHYLNAPHTHALENE	10.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	10.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	51.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	10.	ND	U
91-58-7	2-CHLORONAPHTHALENE	51.	ND	U
88-74-4	2-NITROANILINE	10.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	51.	ND	U
99-09-2	3-NITROANILINE			

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 : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 975.0 mL
Date Analyzed : 6/11/93
Instrument ID : F3

Anametrix ID : 9306056-07
Analyst : MC
Supervisor : UF

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	51.	ND	U
100-02-7	4-NITROPHENOL	51.	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.	4.	J
86-73-7	FLUORENE	51.	ND	U
100-01-6	4-NITROANILINE	51.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	10.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	10.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	10.	ND	U
118-74-1	HEXACHLOROBENZENE	51.	ND	U
87-86-5	PENTACHLOROPHENOL	10.	ND	U
85-01-8	PHENANTHRENE	10.	4.	J
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	21.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	10.	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)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
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-19
Matrix : WATER
Date Sampled : 6/ 3/93
Date Extracted : 6/ 7/93
Amount Extracted : 975.0 mL
Date Analyzed : 6/11/93
Instrument ID : F3

Anametrix ID : 9306056-07
Analyst : MC
Supervisor : [illegible]

Dilution Factor : 1.0
Conc. Units : ug/L

	CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1.	17312-76-4	UNDECANE, 6,6-DIMETHYL-	0.	20.	J
2.	50876-32-9	CYCLOHEXANE, 1,1,3,5-TETRAME	0.	20.	J
3.	14203-19-1	1,3-CYCLOPENTANEDIONE, 2-CHL	0.	20.	J
4.	17302-28-2	NONANE, 2,6-DIMETHYL-	0.	30.	J
5.	1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	0.	20.	J
6.	7525-62-4	BENZENE, 1-ETHENYL-3-ETHYL-	0.	20.	J
7.	17301-23-4	UNDECANE, 2,6-DIMETHYL-	0.	80.	J
8.	26730-14-3	TRIDECANE, 7-METHYL-	0.	80.	J
9.	90-12-0	NAPHTHALENE, 1-METHYL-	0.	30.	J
10.	54105-67-8	HEPTADECANE, 2,6-DIMETHYL-	0.	60.	J
11.	54105-67-8	HEPTADECANE, 2,6-DIMETHYL-	0.	40.	J
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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

Project ID :
Sample ID : SBLKFT
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 6/ 7/93
Amount Extracted : 1000.0 mL
Date Analyzed : 6/10/93
Instrument ID : F3

Anametrix ID : BU0711B1
Analyst : MC
Supervisor : [illegible]

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	50.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	10.	ND	U
91-58-7	2-CHLORONAPHTHALENE	50.	ND	U
88-74-4	2-NITROANILINE	10.	ND	U
131-11-3	DIMETHYLPHTHALATE	10.	ND	U
208-96-8	ACENAPHTHYLENE	50.	ND	U
99-09-2	3-NITROANILINE			

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

Project ID :
Sample ID : SBLKFT
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 6/ 7/93
Amount Extracted : 1000.0 mL
Date Analyzed : 6/10/93
Instrument ID : F3

Anametrix ID : BU0711B1
Analyst : MG
Supervisor : WJ

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

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

Project ID : 02345-01
Matrix : LIQUID

Anametrix ID : 9306056
Analyst : MC
Supervisor : [illegible]

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	3:MW-6	24	19	63	64	54	70
2	3:DUPX-1	39	32	63	67	70	74
3	3:MW-1	2 *	3 *	64	63	24	65
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 = 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 Anametrix QC limits

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

Project ID : 02345-01
Matrix : LIQUID

Anametrix ID : 9306056
Analyst : MT
Supervisor : M

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	SBLKFT	37	24	61	66	65	86
2	LCSFT	43	29	80	81	73	95
3	LCSDFT	25	17	45	48	58	79
4	3:MW-19	36	27	77	77	65	76
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 = 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 Anametrix QC limits

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

Project/Case :
Matrix : WATER
Date Sampled : 00/00/00
Date Extracted : 06/07/93
Date Analyzed : 06/10/93
Instrument ID : F3

Anametrix ID : MU0711B1
Analyst : MCT
Supervisor : UH
SDG/Batch : N/A

LCSFT

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
Phenol	75	0	22	29	12-110
2-Chlorophenol	75	0	52	69	27-123
1,4-Dichlorobenzene	50	0	32	64	36-97
N-nitroso-di-n-propylamine	50	0	34	68	41-116
1,2,4-Trichlorobenzene	50	0	32	64	39-98
4-Chloro-3-methylphenol	75	0	55	73	23-97
Acenaphthene	50	0	37	74	46-118
4-Nitrophenol	75	0	21	28	10-80
2,4-Dinitrotoluene	50	0	37	74	24-96
Pentachlorophenol	75	0	47	63	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	13	17	51	25
2-Chlorophenol	75	29	39	71	25
1,4-Dichlorobenzene	50	18	36	46	25
N-nitroso-di-n-propylamine	50	20	40	54	25
1,2,4-Trichlorobenzene	50	18	36	54	25
4-Chloro-3-methylphenol	75	36	48	52	25
Acenaphthene	50	23	46	38	25
4-Nitrophenol	75	20	27	5	25
2,4-Dinitroluene	50	29	58	28	25
Pentachlorophenol	75	34	45	34	25
Pyrene	50	34	68	21	25

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 : 6/ 3/93
Date Extracted : 6/14/93
Amount Extracted : 975.0 mL
Date Analyzed : 6/16/93
Instrument ID : MSD3

Anametrix ID : 9306056-05
Analyst : MJ
Supervisor : JH

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.	13.	
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	11.	
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	51.	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.	9.	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.	3.	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	51.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	51.	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 : 6/ 3/93
Date Extracted : 6/14/93
Amount Extracted : 975.0 mL
Date Analyzed : 6/16/93
Instrument ID : MSD3

Anametrix ID : 9306056-05
Analyst : [illegible]
Supervisor : [illegible]

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	51.	ND	U
83-32-9	Acenaphthene	10.	ND	U
51-28-5	2,4-Dinitrophenol	51.	ND	U
100-02-7	4-Nitrophenol	51.	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	51.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	51.	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	51.	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	21.	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 : 6/ 3/93
Date Extracted : 6/14/93
Amount Extracted : 975.0 mL
Date Analyzed : 6/16/93
Instrument ID : MSD3

Anametrix ID : 9306056-05
Analyst : WLG
Supervisor : LM

Dilution Factor : 1.0
Conc. Units : ug/L

	CAS NUMBER	COMPOUND NAME	REPORTING LIMIT	ESTIMATED CONC.	Q
1.	74645-98-0	Dodecane, 2,7,10-trimethyl-	0.	5.	J
2.	- -	UNKNOWN	0.	10.	J
3.	571-61-9	Naphthalene, 1,5-dimethyl-	0.	8.	J
4.	- -	UNKNOWN	0.	7.	J
5.	62238-14-6	Decane, 2,3,8-trimethyl-	0.	6.	J
6.	2131-42-2	Naphthalene, 1,4,6-trimethyl	0.	6.	J
7.	17301-28-9	Undecane, 3,6-dimethyl-	0.	9.	J
8.	- -	UNKNOWN	0.	7.	J
9.	41652-73-7	Benzenamine, N-methyl-2-(2-p	0.	6.	J
10.	630-06-8	Hexatriacontane	0.	6.	J
11.	120-40-1	Dodecanamide, N,N-bis(2-hydr	0.	7.	J
12.	- -	UNKNOWN	0.	7.	J
13.	1560-96-9	Tridecane, 2-methyl-	0.	8.	J
14.	17312-74-2	Decane, 5-ethyl-5-methyl-	0.	6.	J
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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

Project ID :
Sample ID : SBLK3A
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 6/14/93
Amount Extracted : 1000.0 mL
Date Analyzed : 6/16/93
Instrument ID : MSD3

Anametrix ID : BU1411B1
Analyst : MC
Supervisor : UH

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	50.	ND	U
95-95-4	2,4,5-Trichlorophenol	10.	ND	U
91-58-7	2-Chloronaphthalene	50.	ND	U
88-74-4	2-Nitroaniline	10.	ND	U
131-11-3	Dimethylphthalate			

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

Project ID :
Sample ID : SBLK3A
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 6/14/93
Amount Extracted : 1000.0 mL
Date Analyzed : 6/16/93
Instrument ID : MSD3

Anametrix ID : BU1411B1
Analyst :
Supervisor :

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

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

Project ID : 02345-01
Matrix : LIQUID

Anametrix ID : 9306056
Analyst : MCT
Supervisor : JH

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	SBLK3A	23	20	38	41 *	47	51
2	LCS3A	22	19	42	45	49	63
3	LCSD3A	23	20	41	42 *	44	49
4	3:MW-1	7 *	13	56	59	22	68
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 = 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 Anametrix QC limits

LABORATORY CONTROL SPIKE RECOVERY FORM — EPA METHOD 625
ANAMETRIX, INC. (408)432-8192

Project/Case	:	Anametrix ID	: MU1411B1
Matrix	: WATER	Analyst	: MCT
Date Sampled	: 0/ 0/00	Supervisor	: UH
Date Extracted	: 06/14/93	SDG/Batch	:
Date Analyzed	: 06/16/93		
Instrument ID	: MSD3		LCS3A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
Phenol	75	0	14	19	12-110
2-Chlorophenol	75	0	26	35	27-123
1,4-Dichlorobenzene	50	0	20	40	36-97
N-nitroso-di-n-propylamine	50	0	21	42	41-116
1,2,4-Trichlorobenzene	50	0	20	40	39-98
4-Chloro-3-methylphenol	75	0	32	43	23-97
Acenaphthene	50	0	23	46	46-118
4-Nitrophenol	75	0	9	12	10-80
2,4-Dinitrotoluene	50	0	27	54	24-96
Pentachlorophenol	75	0	28	37	10-103
Pyrene	50	0	28	56	26-127

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD PERCENT RECOVERY	% RPD	%RPD LIMITS
Phenol	75	14	19	0	25
2-Chlorophenol	75	27	36	-5	25
1,4-Dichlorobenzene	50	19	38	4	25
N-nitroso-di-n-propylamine	50	21	42	0	25
1,2,4-Trichlorobenzene	50	19	38	5	25
4-Chloro-3-methylphenol	75	30	40	8	25
Acenaphthene	50	21	42	8	25
4-Nitrophenol	75	7	9	13	25
2,4-Dinitroluene	50	23	46	24	25
Pentachlorophenol	75	21	28	27	25
Pyrene	50	23	46	20	25

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306056- 1	2:MW-21	WATER	06/03/93	TPHd
9306056- 2	3:MW-6	WATER	06/03/93	TPHd
9306056- 3	3:DUPX-1	WATER	06/03/93	TPHd
9306056- 4	3:MW-7	WATER	06/03/93	TPHd
9306056- 5	3:MW-1	WATER	06/03/93	TPHd
9306056- 6	3:MW-20	WATER	06/03/93	TPHd
9306056- 7	3:MW-19	WATER	06/03/93	TPHd

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

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

Cheryl Baeman 6/17/93
Department Supervisor Date

Chemist 06/17/93
Date

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

Anametrix W.O.: 9306056
Matrix : WATER
Date Sampled : 06/03/93
Date Extracted: 06/10/93

Project Number : 02345-01983-0101
Date Released : 06/17/93
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)
9306056-01	2:MW-21	06/17/93	51	120
9306056-02	3:MW-6	06/11/93	52	120
9306056-03	3:DUPX-21	06/11/93	51	140
9306056-04	3:MW-7	06/17/93	51	180
9306056-05	3:MW-1	06/17/93	51	2400
9306056-06	3:MW-20	06/17/93	51	140
9306056-07	3:MW-19	06/15/93	1000	37000
BU1011F1	METHOD BLANK	06/11/93	50	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
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.

Analyst 06/17/93
Date

Supervisor 6/17/93
Date

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

Sample I.D. : LAB CONTROL SAMPLE
Matrix : WATER
Date Sampled : N/A
Date Extracted: 06/10/93
Date Analyzed : 06/11/93

Anametrix I.D. : MU1101F1
Analyst : AC
Supervisor : CB
Date Released : 06/16/93
Instrument I.D.: HP23

COMPOUND	SPIKE AMT (ug/L)	LCS REC (ug/L)	% REC LCS	LCSD REC (ug/L)	% REC LCSD	RPD	% REC LIMITS
DIESEL	1250	780	62%	930	74%	18%	47-130

*Quality control established by Anametrix, Inc.

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306056- 2	3:MW-6	WATER	06/03/93	8080 PCB
9306056- 3	3:DUPX-1	WATER	06/03/93	8080 PCB
9306056- 4	3:MW-7	WATER	06/03/93	8080 PCB
9306056- 5	3:MW-1	WATER	06/03/93	8080 PCB
9306056- 6	3:MW-20	WATER	06/03/93	8080 PCB
9306056- 7	3:MW-19	WATER	06/03/93	8080 PCB

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: PEST

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 6/10/93 Date

Chemist 06/15/93 Date

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306056-02
Sample ID	: 3:MW-6	Analyst	: CAD
Matrix	: WATER	Supervisor	: STM
Date Sampled	: 06/03/93	Volume ext. (ml)	: 965
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	70%	30-130%

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

* Anametrix advisory limits

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306056-03
Sample ID	: 3:DUPX-1	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: 06/03/93	Volume ext. (ml)	: 965
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	77%	30-130%

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

* Anametrix advisory limits

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306056-04
Sample ID	: 3:MW-7	Analyst	: CAP
Matrix	: WATER	Supervisor	: SM
Date Sampled	: 06/03/93	Volume ext. (ml)	: 965
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	77%	30-130%

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

* Anametrix advisory limits

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306056-05
Sample ID	: 3:MW-1	Analyst	: CG
Matrix	: WATER	Supervisor	: JR
Date Sampled	: 06/03/93	Volume ext. (ml)	: 975
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	3.8
	SURROGATE	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	70%	30-130%

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

* Anametrix advisory limits

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306056-06
Sample ID	: 3:MW-20	Analyst	: CR
Matrix	: WATER	Supervisor	: SR
Date Sampled	: 06/03/93	Volume ext. (ml)	: 975
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	34%	30-130%

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

* Anametrix advisory limits

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306056-07
Sample ID	: 3:MW-19	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: 06/03/93	Volume ext. (ml)	: 975
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	4.6
	SURROGATE	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	42%	30-130%

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

* Anametrix advisory limits

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

Project ID	: N/A	Anametrix I.D.	: BU0811PE
Sample ID	: BLANK	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: N/A	Volume ext. (ml)	: 1000
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	74%	30-130%

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

* Anametrix advisory limits

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080/PCBs
PESTICIDE LABORATORY CONTORL SPIKE REPORT
ANAMETRIX, INC. (408)-432-8192

Project ID	: N/A	Anametrix I.D.	: MU0811PE
Sample ID	: LCS	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: N/A	Volume ext. (ml)	: 1000
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

COMPOUND	Spike Added (ug/L)	LCS (ug/L)	LCS %Rec		%REC LIMITS*
Aroclor 1248	15.0	12.6	84%		30-130%
COMPOUND	Spike Added (ug/L)	LCSD (ug/L)	LCSD %Rec	RPD	%RPD LIMITS*
Aroclor 1248	15.0	12.5	83%	1%	25

SURROGATE	LCS %REC		LCSD %REC		%REC LIMITS*
Decachlorobiphenyl	74%		77%		30-130%

* Anametrix advisory limits

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:

- EPA Method 6010/7000/9000 series - "Test Methods for Evaluating Solid Waste," SW-846, EPA, 3rd Edition, November 1986.
- EPA Method 100, 200, 300 series - "Methods for Chemical Analysis of Water and Wastes," EPA, 3rd Edition, 1983
- Toxicity Characteristic Leaching Procedure (EPA Method 1311) - 40 CFR, Part 268, Appendix 1, June 1990.
- Waste Extraction Test - Results are reported in mg/L of extract according to procedures of CCR Title 22, Section 66261, Appendix II.
- Organic Lead - CCR Title 22, Section 66261, Appendix XI.
- Standard Method 23408 - "Standard Methods for the Examination of Water and Wastewater," APHA, AWWA, WEF, 18th Edition, 1992.

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. Anametrix 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. Anametrix 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. Anametrix control limit for PDSR is 85-115%.

Qualifiers (Q)

Anametrix 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 Anametrix control limits due to interferences from relatively high concentration level of the analyte in the unspiked sample.

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.

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : METALS
Sub-Department: METALS

AMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306056- 1	2:MW-21	WATER	06/03/93	6010

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306056
Date Received : 06/03/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Department Supervisor 6-18-93 Date

Chemist 6/18/93 Date

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

Anametrix I.D.: 9306056
Client I.D. : 2:MW-21
Project I.D. : 02345-01983-0101
Reporting Unit: ug/L
Matrix : WATER

Date Sampled : 06/03/93
Analyst : MK
Supervisor : MW
Date Released : 06/18/93
Instrument I.D. : ICP1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	REPORT LIMIT	DIL. FACTOR	RESULT	Q
Nickel-6010	06/14/93	06/14/93	40.0	1	ND	
Zinc-6010	06/14/93	06/14/93	20.0	1	ND	

COMMENT:

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

Analyst : MK
Supervisor : MN

Anametrix W.O.# : 9306056
Method Blank I.D. : MB0614W
Project I.D. : 02345-01983-0101
Matrix : WATER
Reporting Unit : ug/L

Date Released : 06/18/93
Instrument I.D. : ICP1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	REPORTING LIMIT	RESULT	Q
Nickel-6010	06/14/93	06/15/93	40.0	ND	
Zinc-6010	06/14/93	06/15/93	20.0	ND	

COMMENT:

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

nametrix W.O.# : 9306056
ke I.D. : LCS0614W
oject I.D. : 02345-01983-0101
atrix : WATER
eporting Unit : ug/L

Analyst : MK
Supervisor : MN
Date Released : 06/18/93
Instrument I.D : ICP1

NALYTE-METHOD	DATE PREPARED	DATE ANALYZED	SPIKE AMT.	METHOD SPIKE	% REC.	Q
ickel-6010	06/14/93	06/15/93	500	479	95.8	
Zinc-6010	06/14/93	06/15/93	500	486	97.2	

MMENT:

AREA 3 Sample
Page

Dunn Geoscience Corp.
12 Metro Park Road
Albany, N.Y. 12205 (518) 458-1313

9306056 (14/12) (15)

DUNN GEOSCIENCE CORP

Client Name: AMERICAN NATIONAL CAN CO.
Project No.: 02345-01983-0101
Site Location: OAKLAND, CA.
Sampler: WALTER O. HOWARD

DGC Contact: ED ALLISON
Laboratory Contact: JENNIFER MILLER
Lab Identification: ANAMETRIX
Date Report Required: STANDARD

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv.	Comp. or Grab	Comment
AREA 3; MW-20	6/3/93	1410	Water	Bailer	NYLON ROPE	2x40ml	HCL	Grab	VOCs (8240) + XYLENES
↓	↓	↓	↓	↓	↓	2x1 litre	N	↓	PCBs (8080)
↓	↓	↓	↓	↓	↓	2x1 litre	N	↓	TPHd (DHS LUFT)
↓	↓	↓	↓	↓	↓	2x40ml	HCL	↓	VOCs (8240) + XYLENES
AREA 3; MW-19	6/3/93	1445	↓	↓	↓	2x1 litre	N	↓	PCBs (8080)
↓	↓	↓	↓	↓	↓	2x1 litre	N	↓	SEMI-VOCs (8270)
↓	↓	↓	↓	↓	↓	2x1 litre	N	↓	TPHd (DHS LUFT)
↓	↓	–	↓	–	–	2xVOA	HCL	–	8240
~~Trip Blank~~	↓								

Walter O. Howard
6/3/93

	Name	Affiliation	Date	Time
Relinquished by:	Walter O. Howard	DUNN	6/3/93	1545
Received by:	Benny S. Carrizosa	ANAMETRIX	6/3/93	1545
Relinquished by:	Benny S. Carrizosa	ANAMETRIX	6/3/93	1655
Received by:				

Received by Laboratory: Name: [illegible] Date: 6/3/93 Time: 16[illegible]

Samples Intact & Properly Preserved: (Yes) or No

Laboratory Comments:

FORM50

AREA 3 SAMPLES

~~PAGE 1 of~~

Dunn Geoscience Corp.
12 Metro Park Road
Albany, N.Y. 12205 (518) 458-1313

9366056 (10/12) (15)

Client Name: American National Can Co	DGC Contact: Ed Allison
Project No.: 02345-0983-0101	Laboratory Contact: Jennifer Miller
Site Location: Oakland, Ca.	Lab Identification: Anametrix
	Date Report Required: Standard
Sampler: Walter O. Howard	

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv	Comp. or Grab	Analysis ~~Comment~~
AREA 3: MW-6	6/3/93	0915	Water	Bailer	Nylon Rope	2x40 ml	HCL	Grab	VOCs (8240) + Xylenes
						2x 1 litre	N		Semi VOCs (8270)
						2x1 litre	N		PCBs (8080)
						2x 1 litre	N		TPH d (DHS LUFT)
AREA 3: DUP X-1						2x 40 ml	HCL		VOCs (8240) + Xylenes
						2x 1 litre	N		Semi VOCs (8270)
						2x1 litre	N		PCBs (8080)
						2x1 litre	N		TPH d (DHS LUFT)
AREA 3: MW-7		1030				2x40 ml	HCL		VOCs (8240) + xylenes [initialed] 6/3/93
						2x1 litre	N		~~Semi VOCs (8270)~~ PCBs (8080)
						2x1 litre	N		TPH d (DHS LUFT)
AREA 3: MW-1		1130				2x40 ml	HCL		VOCs (8240) + Xylenes
						2x 1 litre	N		Semi VOCs (8270)
						2x1 litre	N		PCBs (8080)
						2x1 litre	N		TPH d (DHS LUFT)

	Name	Affiliation	Date	Time
Relinquished by:	Walter O. Howard	DUNN	6/3/93	1545
Received by:	Penny S. Carrizosa	ANAMETRIX	6/3/93	1545
Relinquished by:	Penny S. Carrizosa	ANAMETRIX	6/3/93	1655
Received by:				

	Name	Date	Time
Received by Laboratory:	[signature]	6/3/93	16:55

Samples Intact & Properly Preserved: (Yes) or No

Laboratory Comments: none

FORM50

Area 2 Sampler

Dunn Geoscience Corp.
12 Metro Park Road
Albany, N.Y. 12205 (518) 458-1313

9306056 (10/12)

DUNN GEOSCIENCE CORP

Client Name: AMERICAN NATIONAL CAN Co.
Project No.: 02345-01983-0101
Site Location: OAKLAND, CA.
Sampler: WALTER O. HOWARD

DGC Contact: ED ALLISON
Laboratory Contact: JENNIFER MILLER
Lab Identification: ANAMETRIX
Date Report Required: STANDARD

Sample Identification	Date	Time	Sample Matrix	Collection Vessel	Lowering Device	# Sample Containers	Preserv.	Comp. or Grab	Analysis ~~Comment~~
AREA 2: MW-21	6/3/93	1240	WATER	Bailer	Nylon Rope	1x500ml	HNO3	Grab	Field Filtered Metals (Ni, Zn)
"	"	"	"	"	"	2x1 liter	N	"	TPHd (DHS LUFT)

Walter O. Howard 6/3/93

	Name	Affiliation	Date	Time
Relinquished by:	Walter O. Howard	Dunn	6/3/93	1545
Received by:	Benny S. Carrizoza	ANAMETRIX	6/3/93	1545
Relinquished by:	Benny S. Carrizoza	ANAMETRIX	6/3/93	1655
Received by:				

	Name	Date	Time
Received by Laboratory:	[signature]	6/3/93	1655

Samples Intact & Properly Preserved: (Yes) or No

Laboratory Comments: none

FORM50

Inchcape Testing Services
Anametrix Laboratories

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306078
Date Received : 06/04/93
Project ID : 02345-01983-0101
Purchase Order: 29518

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

ANAMETRIX ID	CLIENT SAMPLE ID
9306078- 1	3:MW-18
9306078- 2	T. BLANK

This report consists of 18 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, Ph.D.
Laboratory Director

06-22-93
Date

ANAMETRIX 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 Anametrix 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 Anametrix. 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

Anametrix uses several data qualifiers (Q) in it's 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
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306078
Date Received : 06/04/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306078- 1	3:MW-18	WATER	06/04/93	8240
9306078- 2	T. BLANK	WATER	06/04/93	8240

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306078
Date Received : 06/04/93
Project ID : 02345-01983-0101
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.

Department Supervisor 6/7/93 Date

Chemist 6-17-93 Date

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 : 6/ 4/93
Date Analyzed : 6/15/93
Instrument ID : MSD1

Anametrix ID : 9306078-01
Analyst : JD
Supervisor : VL

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.	4.	J
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 : T. BLANK
Matrix : WATER
Date Sampled : 6/ 4/93
Date Analyzed : 6/15/93
Instrument ID : MSD1

Anametrix ID : 9306078-02
Analyst : W
Supervisor : M

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 : VBLK1A
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/15/93
Instrument ID : MSD1

Anametrix ID : BU1502A2
Analyst : [illegible]
Supervisor : [illegible]

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

Anametrix ID : 9306078
Analyst : ww
Supervisor : [illegible]

	SAMPLE ID	SU1	SU2	SU3
1	VBLK1A	100	98	102
2	LCS1A	103	99	101
3	T. BLANK	101	99	102
4	3:MW-18	101	98	101
5	3:MW-MS	102	100	100
6	3:MW-MSD	102	101	102
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	(83-109)
SU2 = Toluene-d8	(88-110)
SU3 = 1,4-Bromofluorobenzene	(88-110)

* Values outside of Anametrix QC limits

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

Project ID : 02345-01
Sample ID : 3:MW-18
Matrix : WATER
Date Sampled : 6/ 4/93
Date Analyzed : 6/15/93
Instrument ID : MSD1

Anametrix ID : 9306078-01
Analyst : [illegible]
Supervisor : [illegible]

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	%REC LIMITS
1,1-Dichloroethene	50.	0.	50.	100	67-150
Benzene	50.	0.	55.	110	75-134
Trichloroethene	50.	0.	54.	107	69-136
Toluene	50.	0.	55.	109	78-130
Chlorobenzene	50.	0.	55.	110	85-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
1,1-Dichloroethene	50.	49.	97	2	25	67-150
Benzene	50.	54.	108	2	25	75-134
Trichloroethene	50.	53.	106	1	25	69-136
Toluene	50.	54.	109	0	25	78-130
Chlorobenzene	50.	55.	111	1	25	85-130

* Value is outside of Anametrix 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 :
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 6/15/93
Instrument ID : MSD1

Anametrix ID : MU1501A2
Analyst :
Supervisor :
SDG Batch :

LCS1A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	37	74	72-145
Benzene	50	0	48	96	83-125
Trichloroethene	50	0	41	82	61-140
Toluene	50	0	50	100	82-123
Chlorobenzene	50	0	53	106	82-125

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306078
Date Received : 06/04/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306078- 1	3:MW-18	WATER	06/04/93	8080 PCB

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306078
Date Received : 06/04/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: PEST

QA/QC SUMMARY :

- No QA/QC problems encountered for this sample.

Department Supervisor 6/15/93 Date

Chemist 06/15/93 Date

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

Project ID	: 02345-01983-0101	Anametrix I.D.	: 9306078-01
Sample ID	: 3:MW-18	Analyst	:
Matrix	: WATER	Supervisor	: JR
Date Sampled	: 06/04/93	Volume ext. (ml)	: 965
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	34%	30-130%

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

* Anametrix advisory limits

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

Project ID	: N/A	Anametrix I.D.	: BU0811PE
Sample ID	: BLANK	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: 06/04/93	Volume ext. (ml)	: 1000
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

CAS #	Compound Name	Reporting Limit (ug/L)	Amount Found (ug/L)
12674-11-2	Aroclor 1016	0.5	ND
1104-28-2	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	% Recovery	Limits *
2051-24-3	Decachlorobiphenyl	74%	30-130%

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

* Anametrix advisory limits

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8080/PCBs
PESTICIDE LABORATORY CONTORL SPIKE REPORT
ANAMETRIX, INC. (408)-432-8192

Project ID	: N/A	Anametrix I.D.	: MU0811PE
Sample ID	: LCS	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: N/A	Volume ext. (ml)	: 1000
Date Extracted	: 06/08/93	Final Vol. (ml)	: 10
Date Analyzed	: 06/14/93	Inj. Vol. (ul)	: 1
Instrument ID	: HP22	pH	: N/A
Dilution	: NONE		

COMPOUND	Spike Added (ug/L)	LCS (ug/L)	LCS %Rec		%REC LIMITS*
Aroclor 1248	15.0	12.6	84%		30-130%
COMPOUND	Spike Added (ug/L)	LCSD (ug/L)	LCSD %Rec	RPD	%RPD LIMITS*
Aroclor 1248	15.0	12.5	83%	1%	25

SURROGATE	LCS %REC		LCSD %REC		%REC LIMITS*
Decachlorobiphenyl	74%		77%		30-130%

* Anametrix advisory limits

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306078
Date Received : 06/04/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9306078- 1	3:MW-18	WATER	06/04/93	TPHd

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

MR. EDWARD ALUSOW
DUNN CORPORATION
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9306078
Date Received : 06/04/93
Project ID : 02345-01983-0101
Purchase Order: 29518
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balmer 6/22/93
Department Supervisor Date

Teresa Shor 6/22/93
Chemist Date

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

Anametrix W.O.: 9306078
Matrix : WATER
Date Sampled : 06/04/93
Date Extracted: 06/18/93

Project Number : 02345-01983-0101
Date Released : 06/18/93
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)
9306078-01	3:MW-18	06/21/93	51	88
BU1811F1	METHOD BLANK	06/21/93	50	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
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.

Analyst: Leena Sher Date: 6/22/93

Supervisor: Cheryl Balmer Date: 6/22/93

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: 06/18/93
Date Analyzed : 06/18/93

Anametrix I.D. : MUF1811F1
Analyst : [illegible]
Supervisor : [illegible]
Date Released : 06/22/93
Instrument I.D.: HP23

COMPOUND	SPIKE AMT (ug/L)	REC LCS (ug/L)	% REC LCS	% REC LIMITS
Diesel	1250	1100	88%	72-143

*Limit established by Anametrix, Inc.

LEGEND

MW-3 WELL IDENTIFICATION NUMBER
● MONITORING WELL LOCATION
6.29 GROUNDWATER ELEVATION

4.0 GROUNDWATER CONTOUR (dashed where inferred)

DIRECTION OF GROUNDWATER FLOW

INFERRED AXIS OF GROUNDWATER TROUGH SHOWING FLOW DIRECTION

INFERRED LOCATION OF GROUNDWATER DIVIDE

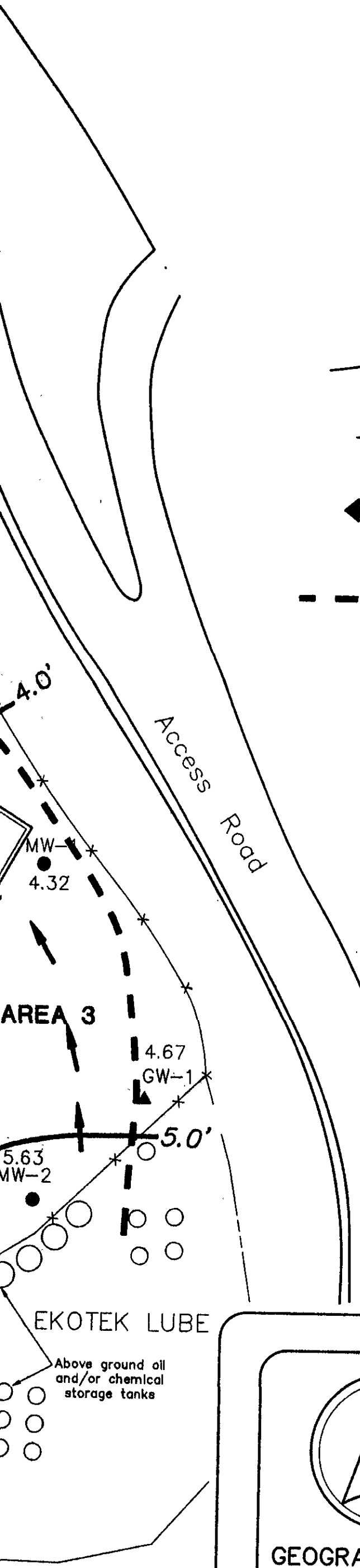

PLATE 14

PROJ. MGR: Edward W. Alusow	REVISIONS	BY	DATE
PREPARED BY: Walter O. Howard			
DRAFTED BY: S.C.Galloway			
CHECKED BY:			
PROJ. NO.: 02345-01983			
DWG. NO. 2M8985_15			
DATE: 7/93			
SHEET 1 OF 4			
DATUM:			
CONTOUR INTERVAL =.25'/1.0' Ft.			
USGS QUAD.: OAKLAND EAST			

N

GEOGRAPHIC NORTH

0 10 50 100

SCALE IN FEET

DUNN GEOSCIENCE CORPORATION
12 Metro Park Road
Albany, NY 12205

GROUNDWATER CONTOUR MAP 6/2/93

AMERICAN NATIONAL CAN
OAKLAND PLANT

CITY OF OAKLAND ALAMEDA COUNTY, CA

MW-15
6.35
GW-6
6.77
TW-1
6.60
8.0'
7.0'
6.0'
5.0'
4.0'
FP
3.86
MW-21
MW-17
4.15
WATER TANK
NO. 15
COIL CUTTING
TIN PLATE
STORAGE
NO. 11
MW-20
3.87
LITHOGRAPHY
NO. 12
MW-7
3.83
4.0'
MW-1
4.32
AREA 3
MW-4
3.92
4.67
GW-
MW-18
NA
3.82
MW-5
FP
5.63
MW-2
AREA 4
MW-10
3.69
MW-19
3.70
6.00
MW-3
6.0'
EKOTEK LUB
Above ground oil and/or chemical storage tanks
FORMER USTS
MW-16
UST
3.53
PRODUCT PIPELINE
MW-8
3.48
MW-6
3.51
W-2
3.39
3.75'
3.50'
5.0'
GW-3
3.30
3.25'
OFFICE
MW-14
2.96
3.0'
2.75'
neda Ave.

CAN WAREHOUSE
NO. 3

8.0'

7.0'

6.0'

5.0'

WATER
TANK

WASH
SHED

MW-11
4.28

4.0' AREA 5

3.75'

3.5'

AREA

3.25'

3.0'

NO 13
COMPOUND
STORAGE

2.75'

GW-4
2.72

MW-9
2.83

Alameda

CAN WAREHOUSE
NO. 3

℄

3.0'

2.75'

GW-4

2.72

37th Ave.

CAN WAREHOUSE
NO. 3

℄

GW–5
10.03

10.0'

FORMER UST

AREA 1

MW–12
9.69

10.0'

FORMER UST

9.0'

37th Ave.

8.0'

FACTORY NO. 1

7.0'

6.0'

CAN WAREHOUSE NO. 3

MW–17
4.15

5.0'

WATER TANK

NO. 15
COIL CUTTING

WASH SHED

MW–11
4.28

4.0'

AREA 5

TIN PLATE STORAGE NO. 11

Nimitz Freeway

East 8TH Street

10.0'

FORMER UST

OFFICES

AREA 2

Smokestack

9.26
MW-13

9.0'

8.0'

7.0'

FP

6.0'

UST

MW-15
6.35

GW-6
6.77

TW-1
6.60

FACTORY
NO. 1

5.0'

4.0'

3.86
MW-21

MW-17
4.15

WATER
TANK

NO. 15
COIL CUTTING

MW-20
3.87

LITHOGRAPHY
NO. 12

MW-7
3.83

4.0'

Access Road

MW-1
4.32

TIN PLATE
STORAGE
NO. 11

LEGEND

MW-3 WELL IDENTIFICATION NUMBER
● MONITORING WELL LOCATION
6.29 GROUNDWATER ELEVATION

4.0 GROUNDWATER CONTOUR
(dashed where inferred)

DIRECTION OF GROUNDWATER FLOW

INFERRED AXIS OF GROUNDWATER TROUGH SHOWING FLOW DIRECTION

INFERRED LOCATION OF GROUNDWATER DIVIDE

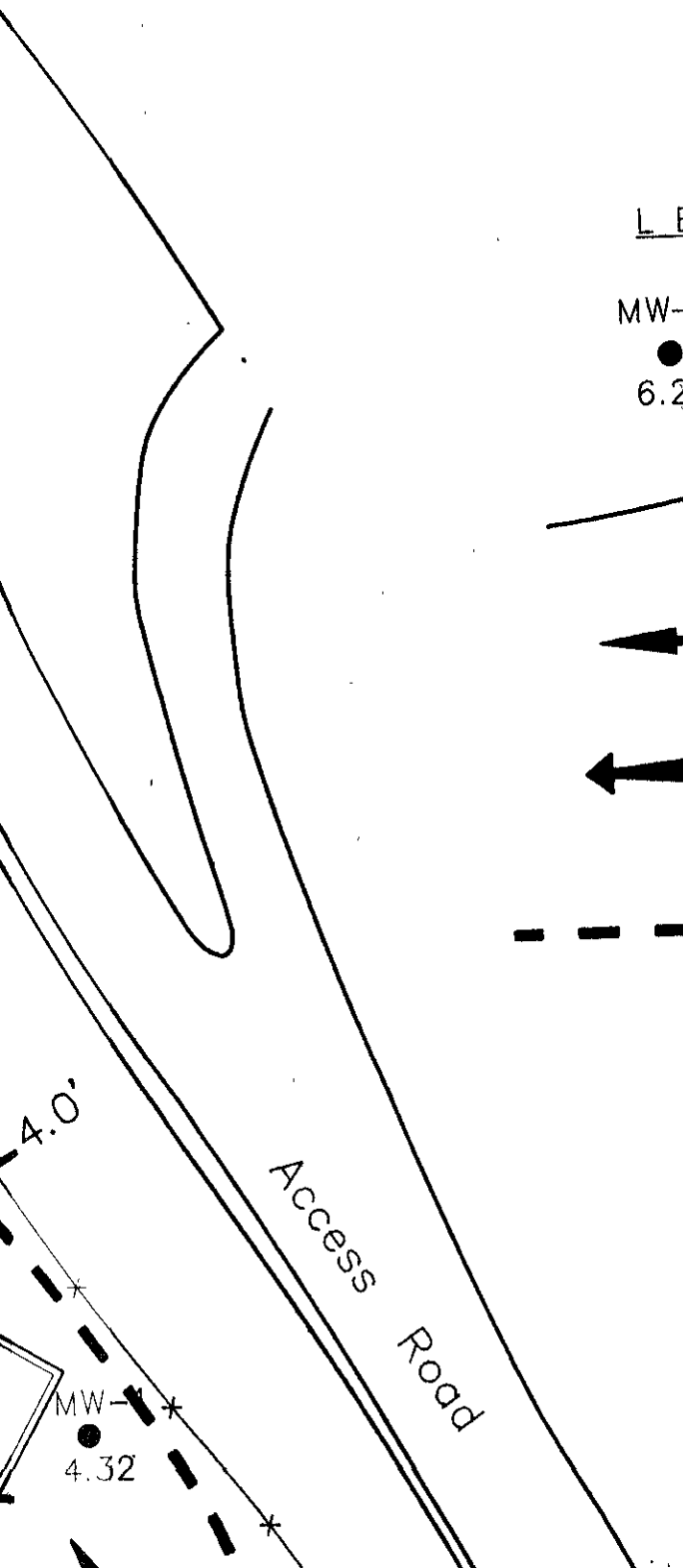

PLATE 14

REVISIONS	BY	DATE