RUST ENVIRONMENT & INFRASTRUCTURE

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

August 24, 1994

Mr. Barney M. Chan
Hazardous Materials Specialist
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502

Subject: American National Can Company
Former Oakland, California Facility

Dear Mr. Chan:

Rust Environment & Infrastructure, Inc. (RUST) has completed a thirteenth round of quarterly groundwater monitoring for the subject site, the ninth round following the revised groundwater monitoring plan (dated April 27, 1992). This round of monitoring was conducted on July 12, 1994.

Due to activity occurring at the site in conjunction with the demolition of the buildings, several monitoring wells have been abandoned under permit from the Alameda County Flood Control District. The monitoring wells that were abandoned are as follows: MW-12 (Area 1); MW-21 (Area 2); MW-1, MW-18, MW-19, MW-20, GW-1, and GW-2 (Area 3); MW-16 and GW-3 (Area 4). Monitoring wells designated GW-1R and GW-2R were subsequently installed to replace abandoned wells GW-1 and GW-2 respectively. While completing this round of sampling, several monitoring wells were inaccessible because they were covered with demolition debris: wells MW-1, MW-8, MW-18, MW-19, MW-20, MW-21 and GW-2 could not be sampled. Monitoring well GW-2R was not sampled since it had a layer of floating free product.

To augment this round of sampling, monitoring well MW-4 in Area 3 was sampled as a replacement for MW-1. Also, the sample from well 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.

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 detailed laboratory analytical report of the results obtained during this quarterly monitoring event. Table 1 is a summary of groundwater levels and

product thickness measurements recorded July 12, 1994. Plate 18 is a groundwater contour map of these groundwater elevation measurements. Due to the reduced number of monitoring points that were available to measure groundwater elevations, much of the contouring has been inferred (dashed), based on previous contouring. Table 2 provides a summary of analytical results from groundwater samples.

If you have any questions, please call me.

Very truly yours,

Edward W. Alusow

Edward W. Alusow
Senior Project Manager

EWA/ajl

Enclosures

cc: J. Moran, Esq., ANC
L. Feldman, SFBRWQCB
R. Creps, PES
J. Kessler, High Street Assoc.
J. Renauer, K Mart

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

WELL NO.	M.P. EL.	3/18/94 DEPTH TO PRODUCT	3/18/94 DEPTH TO WATER		3/18/94 W.T. EL.	7/12/94 DEPTH TO PRODUCT	7/12/94 DEPTH TO WATER	7/12/94 W.T. EL.	DEPTH TO PRODUCT	DEPTH TO WATER	W.T. EL.	DEPTH TO PRODUCT	DEPTH TO WATER	W.T. EL.
MW-1	15.47		11.50		3.97	*Decommissioned*								
MW-2	14.86		9.11		5.75	10.51	10.52	4.35						
MW-3	14.56	8.24	8.26		6.32	10.20	10.24	4.35						
MW-4	15.27		11.07		4.20		12.39	2.88						
MW-5	14.73	10.59	10.60		4.14	11.87	12.25	2.80						
MW-6	13.24		9.50		3.74		10.77	2.47						
MW-7	16.20		12.13		4.07		13.29	2.91						
MW-8	12.90		9.17		3.73	*Not Accessible*								
MW-9	11.69		8.80		2.89		10.00	1.69						
MW-10	13.03		9.07		3.96	*Not Accessible*								
MW-11	14.49		9.80		4.69		11.10	3.39						
MW-12	16.81	*Not Accessible*				*Decommissioned*								
MW-13	18.31		9.11		9.20	*Not Accessible*								
MW-14	12.00		8.97		3.03		10.18	1.82						
MW-15	17.88	*Not Accessible*				*Not Accessible*								
MW-16	12.26		9.23	**	3.03	*Decommissioned*								
MW-17	9.09		4.63		4.46	*Decommissioned*								
MW-18	13.10		9.08		4.02	*Decommissioned*								
MW-19	13.12		9.13		3.99	*Decommissioned*								
MW-20	13.14	*Taken 3/22/94*	9.10		4.04	*Decommissioned*								
MW-21	12.86		8.71		4.15	*Decommissioned*								
TW-1	17.76	12.68	12.71		5.07	*Not Accessible*								
GW-1	15.35	12.06	12.07		3.29	*Decommissioned*								
GW-1R	15.04	*Installed March 23, 1994*			- -		11.95	3.09						
GW-2	13.10	*	9.59		3.51	*Decommissioned*								
GW-2R	13.25	*Installed March 23, 1994*			- -	10.66	12.94	2.20						
GW-3	11.55		8.14		3.41	*Decommissioned*								
GW-4	11.70		9.18		2.52		9.57	2.13						
GW-5	17.72	*Not Accessible*					7.96	9.76						
GW-6	19.78	*Not Accessible*				*Not Accessible*								

* Indicates a thin film (<0.01-feet thick) of product was detected on the water surface with an oil/water interface probe.
All elevations (EL.) are expressed in feet above mean sea level.
Depths are measured in feet below the well measuring point (M.P.).
Estimated product specific gravity of 0.83 was used to calculate an adjusted depth to water in wells containing product.
** This groundwater elevation is much lower, relative to surrounding wells, than ever previously recorded. This anomaly may reflect a measurement error.

TABLE 2
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Quarterly Ground Water Analytical Results - July, 1994

ANALYSIS	AREA - 3				AREA - 4	
	MW-4	MW-6	MW-7	Dup X-1	MW-9	MW-14
Volatile Organics (EPA Methods 8240)(ug/l)						
Dilution Factor	1.0	1.0	1.0	1.0	--	--
Vinyl Chloride	nd	nd	nd	nd	--	--
Chloroethane	nd	nd	nd	nd	--	--
1,1-Dichloroethene	nd	nd	nd	nd	--	--
Carbon Disulfide	nd	nd	nd	nd	--	--
1,1-Dichloroethane	nd	**16**	nd	**16**	--	--
1,1,1-Trichloroethane	nd	nd	nd	nd	--	--
Benzene	**120**	nd	nd	nd	--	--
Toluene	nd	nd	nd	nd	--	--
Tetrachloroethene	nd	nd	nd	nd	--	--
Chlorobenzene	**31**	nd	nd	nd	--	--
Ethylbenzene	**6**	nd	nd	nd	--	--
Total Xylenes	**23**	nd	nd	nd	--	--
1,3-Dichlorobenzene	nd	nd	nd	nd	--	--
1,4-Dichlorobenzene	**13**	nd	nd	nd	--	--
1,2-Dichlorobenzene	**24**	nd	nd	nd	--	--
Total	**217**	**16**	nd	**16**	--	--
Semi-Volatile Organics (EPA Methods 8270)(ug/l)						
Dilution Factor	1.0	1.0	--	1.0	--	--
1,4-Dichlorobenzene	**11**	nd	--	nd	--	--
1,2-Dichlorobenzene	**18**	nd	--	nd	--	--
Naphthalene	**10**	nd	--	nd	--	--
2-Methylnaphthalene	**24**	nd	--	nd	--	--
Total	**63**	nd	--	nd	--	--
TPH as Gasoline (EPA Methods 5030/8015)(ug/l)	--	--	--	--	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)	**9800**	nd	**210**	nd	--	--
PCBs (EPA Method 8080)(ug/l)						
Aroclor-1260	nd	nd	nd	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
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9407096- 1	MW-7
9407096- 2	MW-4
9407096- 3	MW-6
9407096- 4	DUPX-1
9407096- 5	TB1
9407096- 7	MW-14
9407096- 8	MW-9
9407096- 9	TB2

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

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

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

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

Larry Kent for

Doug Robbins
Laboratory Director

8-8-94
Date

This report consists of 49 pages.

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. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9407096- 1	MW-7	WATER	07/12/94	8240
9407096- 2	MW-4	WATER	07/12/94	8240
9407096- 3	MW-6	WATER	07/12/94	8240
9407096- 4	DUPX-1	WATER	07/12/94	8240
9407096- 5	TB1	WATER	07/12/94	8240
9407096- 2	MW-4	WATER	07/12/94	8270
9407096- 3	MW-6	WATER	07/12/94	8270
9407096- 4	DUPX-1	WATER	07/12/94	8270

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

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems for EPA Method 8240 analysis.
- Sample MW-4 had to be re-analyzed at a dilution in the EPA Method 8270 analysis due to a matrix interference.

Department Supervisor — Date 7/27/94

Chemist — Date 7-27-94

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

Project ID : 35195.10
Sample ID : MW-7
Matrix : WATER
Date Sampled : 7/12/94
Date Analyzed : 7/15/94
Instrument ID : MSD1

Anametrix ID : 9407096-01
Analyst : DF
Supervisor : DCS

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 : 35195.10
Sample ID : MW-4
Matrix : WATER
Date Sampled : 7/12/94
Date Analyzed : 7/18/94
Instrument ID : MSD1

Anametrix ID : 9407096-02
Analyst : BP
Supervisor : DL
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.	120.	
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.	31.	
100-41-4	Ethylbenzene	5.	6.	
1330-20-7	Xylene (Total)	5.	23.	
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.	13.	
95-50-1	1,2-Dichlorobenzene	5.	24.	

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

Project ID : 35195.10
Sample ID : MW-6
Matrix : WATER
Date Sampled : 7/12/94
Date Analyzed : 7/15/94
Instrument ID : MSD1

Anametrix ID : 9407096-03
Analyst : MP
Supervisor : DCS
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.	16.	
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 : 35195.10
Sample ID : DUPX-1
Matrix : WATER
Date Sampled : 7/12/94
Date Analyzed : 7/15/94
Instrument ID : MSD1

Anametrix ID : 9407096-04
Analyst : BP
Supervisor : DC
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.	16.	
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 : 35195.10
Sample ID : TB1
Matrix : WATER
Date Sampled : 7/12/94
Date Analyzed : 7/15/94
Instrument ID : MSD1

Anametrix ID : 9407096-05
Analyst : BK
Supervisor : DC
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 : VBLKZ7
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 7/15/94
Instrument ID : MSD1

Anametrix ID : BL1502A2
Analyst : BP
Supervisor : DCS

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 : VBLK1C
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 7/18/94
Instrument ID : MSD1

Anametrix ID : BL1802A2
Analyst : DP
Supervisor : DC

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 : 35195.10
Matrix : LIQUID

Anametrix ID : 9407096
Analyst : DP
Supervisor : DCS

	SAMPLE ID	SU1	SU2	SU3
1	VBLKZ7	95	101	101
2	VLCSIX	95	100	100
3	MW-7	96	101	98
4	TB1	79	108	113
5	MW-6	96	101	98
6	DUPX-1	98	102	99
7	VBLK1C	95	100	101
8	VLCSIZ	95	99	104
9	MW-4	95	96	109
10				
11				
12				
13				
14				
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16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

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

* Values outside of Anametrix QC limits

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

Project/Case	:	Anametrix ID	: ML1501A2.D
Matrix	: WATER	Analyst	:
Date Sampled	:	Supervisor	:
Date Analyzed	: 15 Jul 94 10:53 am	SDG/Batch	:
Instrument ID	: MSD1	Sample ID	: VLCSIX @ 50ug/L

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	46	93	72-145
Benzene	50	0	51	102	83-125
Trichloroethene	50	0	46	92	61-140
Toluene	50	0	53	105	82-123
Chlorobenzene	50	0	55	109	82-125

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

Project/Case	:	Anametrix ID	: ML1801A2.D
Matrix	: WATER	Analyst	:
Date Sampled	:	Supervisor	:
Date Analyzed	: 18 Jul 94 11:36 am	SDG/Batch	:
Instrument ID	: MSD1	Sample ID	: VLCSIZ @ 50ug/L

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	45	89	72-145
Benzene	50	0	48	96	83-125
Trichloroethene	50	0	44	89	61-140
Toluene	50	0	51	102	82-123
Chlorobenzene	50	0	54	108	82-125

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. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9407096- 1	MW-7	WATER	07/12/94	8240
9407096- 2	MW-4	WATER	07/12/94	8240
9407096- 3	MW-6	WATER	07/12/94	8240
9407096- 4	DUPX-1	WATER	07/12/94	8240
9407096- 5	TB1	WATER	07/12/94	8240
9407096- 2	MW-4	WATER	07/12/94	8270
9407096- 3	MW-6	WATER	07/12/94	8270
9407096- 4	DUPX-1	WATER	07/12/94	8270

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

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- No QA/QC problems for EPA Method 8240 analysis.
- Sample MW-4 had to be re-analyzed at a dilution in the EPA Method 8270 analysis due to a matrix interference. Both analyses are reported.

David Sully 7/27/94
Department Supervisor Date

Gareth Voight 7/27/94
Chemist Date

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

Project ID : 35195.10
Sample ID : MW-4
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : 9407096-02
Analyst : GJ
Supervisor : DCS

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.	11.	
100-51-6	Benzyl Alcohol	10.	ND	U
95-48-7	2-Methylphenol	10.	ND	U
95-50-1	1,2-Dichlorobenzene	10.	18.	
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.	10.	
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.	24.	
77-47-4	Hexachlorocyclopentadiene	10.	ND	U
88-06-2	2,4,6-Trichlorophenol	10.	ND	U
95-95-4	2,4,5-Trichlorophenol	50.	ND	U
91-58-7	2-Chloronaphthalene	10.	ND	U
88-74-4	2-Nitroaniline	50.	ND	U
131-11-3	Dimethylphthalate	10.	ND	U

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

Project ID : 35195.10
Sample ID : MW-4
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : 9407096-02
Analyst : CV
Supervisor : DCS

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID : 35195.10
Sample ID : MW-4 DL
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/23/94
Instrument ID : MSD5

Anametrix ID : 9407096-02
Analyst : GJ
Supervisor : DS

Dilution Factor : 10.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
62-75-9	N-Nitrosodimethylamine	100.	ND	U
108-95-2	Phenol	100.	ND	U
4165-61-1	Aniline	100.	ND	U
111-44-4	bis(2-Chloroethyl)ether	100.	ND	U
95-57-8	2-Chlorophenol	100.	ND	U
541-73-1	1,3-Dichlorobenzene	100.	ND	U
106-46-7	1,4-Dichlorobenzene	100.	11.	J
100-51-6	Benzyl Alcohol	100.	ND	U
95-48-7	2-Methylphenol	100.	ND	U
95-50-1	1,2-Dichlorobenzene	100.	20.	J
108-60-1	2,2'-oxybis(1-Chloropropane)	100.	ND	U
106-44-5	4-Methylphenol	100.	ND	U
621-64-7	N-Nitroso-di-n-propylamine	100.	ND	U
67-72-1	Hexachloroethane	100.	ND	U
98-95-3	Nitrobenzene	100.	ND	U
78-59-1	Isophorone	100.	ND	U
105-67-9	2,4-Dimethylphenol	100.	ND	U
88-75-5	2-Nitrophenol	100.	ND	U
65-85-0	Benzoic Acid	500.	ND	U
111-91-1	bis(2-Chloroethoxy)methane	100.	ND	U
120-83-2	2,4-Dichlorophenol	100.	ND	U
120-82-1	1,2,4-Trichlorobenzene	100.	ND	U
91-20-3	Naphthalene	100.	9.	J
106-47-8	4-Chloroaniline	100.	ND	U
87-68-3	Hexachlorobutadiene	100.	ND	U
59-50-7	4-Chloro-3-methylphenol	100.	ND	U
91-57-6	2-Methylnaphthalene	100.	22.	J
77-47-4	Hexachlorocyclopentadiene	100.	ND	U
88-06-2	2,4,6-Trichlorophenol	100.	ND	U
95-95-4	2,4,5-Trichlorophenol	500.	ND	U
91-58-7	2-Chloronaphthalene	100.	ND	U
88-74-4	2-Nitroaniline	500.	ND	U
131-11-3	Dimethylphthalate	100.	ND	U

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

Project ID	: 35195.10	Anametrix ID	: 9407096-02
Sample ID	: MW-4 DL	Analyst	: EJ
Matrix	: WATER	Supervisor	: DCS
Date Sampled	: 7/12/94		
Date Extracted	: 7/13/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 7/23/94	Dilution Factor	: 10.0
Instrument ID	: MSD5	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
606-20-2	2,6-Dinitrotoluene	100.	ND	U
208-96-8	Acenaphthylene	100.	ND	U
99-09-2	3-Nitroaniline	500.	ND	U
83-32-9	Acenaphthene	100.	ND	U
51-28-5	2,4-Dinitrophenol	500.	ND	U
100-02-7	4-Nitrophenol	500.	ND	U
132-64-9	Dibenzofuran	100.	ND	U
121-14-2	2,4-Dinitrotoluene	100.	ND	U
84-66-2	Diethylphthalate	100.	ND	U
7005-72-3	4-Chlorophenyl-phenylether	100.	ND	U
86-73-7	Fluorene	100.	ND	U
100-01-6	4-Nitroaniline	500.	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	500.	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	100.	ND	U
103-33-3	Azobenzene	100.	ND	U
101-55-3	4-Bromophenyl-phenylether	100.	ND	U
118-74-1	Hexachlorobenzene	100.	ND	U
87-86-5	Pentachlorophenol	500.	ND	U
85-01-8	Phenanthrene	100.	ND	U
120-12-7	Anthracene	100.	ND	U
84-74-2	Di-n-butylphthalate	100.	ND	U
206-44-0	Fluoranthene	100.	ND	U
92-87-5	Benzidine	100.	ND	U
129-00-0	Pyrene	100.	ND	U
85-68-7	Butylbenzylphthalate	100.	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	100.	ND	U
91-94-1	3,3'-Dichlorobenzidine	200.	ND	U
56-55-3	Benzo(a)anthracene	100.	ND	U
218-01-9	Chrysene	100.	ND	U
117-84-0	Di-n-octylphthalate	100.	ND	U
205-99-2	Benzo(b)fluoranthene	100.	ND	U
207-08-9	Benzo(k)fluoranthene	100.	ND	U
50-32-8	Benzo(a)pyrene	100.	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	100.	ND	U
53-70-3	Dibenz(a,h)anthracene	100.	ND	U
191-24-2	Benzo(g,h,i)perylene	100.	ND	U

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

Project ID : 35195.10
Sample ID : MW-6
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : 9407096-03
Analyst : CW
Supervisor : DCS

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID : 35195.10
Sample ID : MW-6
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : 9407096-03
Analyst : GJ
Supervisor : DS

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID : 35195.10
Sample ID : DUPX-1
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : 9407096-04
Analyst : GV
Supervisor : DC

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID : 35195.10
Sample ID : DUPX-1
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : 9407096-04
Analyst : GV
Supervisor : DS

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID :
Sample ID : SBLKKF
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : BL1311X2
Analyst : GJ
Supervisor : DS

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID :
Sample ID : SBLKKF
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 7/13/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/22/94
Instrument ID : MSD5

Anametrix ID : BL1311X2
Analyst : GV
Supervisor : DLS

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 : 35195.10
Matrix : LIQUID

Anametrix ID : 9407096
Analyst : CV
Supervisor : DCS

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	SBLKKF	81	85	91	86	91	106
2	SLCSJ2	85	88	96	90	103	111
3	SLCSDEJ	84	87	94	90	105	112
4	MW-4	98	115 *	123 *	105	112	74
5	MW-6	90	94	114	100	117	118
6	DUPX-1	77	86	99	91	99	108
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 : 35195.10
Matrix : LIQUID

Anametrix ID : 9407096
Analyst : CJ
Supervisor : DS

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	MW-4 DL	87	108 *	84	100	94	66
2							
3							
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

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

Project/Case	:	Anametrix ID	: ML1311X2/NL1311X2
Matrix	: WATER	Analyst	: GV
Date Sampled	: 00/00/00	Supervisor	: DCS
Date Extracted	: 07/13/94	SDG/Batch	:
Date Analyzed	: 07/22/94		
Instrument ID	: MSD5	Sample I.D.	: SLCSJ2/SLCSDEJ

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
Phenol	75	0	63	84	22-96
2-Chlorophenol	75	0	62	83	21-96
1,4-Dichlorobenzene	50	0	39	78	17-88
N-nitroso-di-n-propylamine	50	0	45	90	19-98
1,2,4-Trichlorobenzene	50	0	42	84	18-92
4-Chloro-3-methylphenol	75	0	71	95	21-103
Acenaphthene	50	0	47	94	24-104
4-Nitrophenol	75	0	82	109	22-132
2,4-Dinitrotoluene	50	0	52	104	30-114
Pentachlorophenol	75	0	87	116	16-141
Pyrene	50	0	51	102	30-133

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD PERCENT RECOVERY	% RPD	%RPD LIMITS
Phenol	75	66	48	-5	25
2-Chlorophenol	75	64	85	-3	25
1,4-Dichlorobenzene	50	40	80	-2	25
N-nitroso-di-n-propylamine	50	47	94	-5	25
1,2,4-Trichlorobenzene	50	44	88	-4	25
4-Chloro-3-methylphenol	75	75	100	-7	25
Acenaphthene	50	49	98	-3	25
4-Nitrophenol	75	88	117	-9	25
2,4-Dinitroluene	50	54	108	-3	25
Pentachlorophenol	75	92	123	-7	25
Pyrene	50	55	110	-6	25

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

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9407096- 1	MW-7	WATER	07/12/94	8080 PCB
9407096- 2	MW-4	WATER	07/12/94	8080 PCB
9407096- 3	MW-6	WATER	07/12/94	8080 PCB
9407096- 4	DUPX-1	WATER	07/12/94	8080 PCB

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

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GC
Sub-Department: PEST

QA/QC SUMMARY :

- No QA/QC problems for samples.

M. Hosseini 8/8/94
Department Supervisor Date

Chemist 8/8/94
Date

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

Project ID : 35195.10
Sample ID : MW-7
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/14/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/15/94
Instrument ID : HP22

Anametrix ID : 9407096-01
Analyst : [signature]
Supervisor : [signature]

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
12674-11-2	Aroclor-1016	.50	ND	U
11104-28-2	Aroclor-1221	.50	ND	U
11141-16-5	Aroclor-1232	.50	ND	U
53469-21-9	Aroclor-1242	.50	ND	U
12672-29-6	Aroclor-1248	.50	ND	U
11097-69-1	Aroclor-1254	.50	ND	U
11096-82-5	Aroclor-1260	.50	ND	U

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

Project ID	: 35195.10	Anametrix ID	: 9407096-02
Sample ID	: MW-4	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: 7/12/94		
Date Extracted	: 7/14/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 7/18/94	Dilution Factor	: 1.0
Instrument ID	: HP22	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
12674-11-2	Aroclor-1016	.50	ND	U
11104-28-2	Aroclor-1221	.50	ND	U
11141-16-5	Aroclor-1232	.50	ND	U
53469-21-9	Aroclor-1242	.50	ND	U
12672-29-6	Aroclor-1248	.50	ND	U
11097-69-1	Aroclor-1254	.50	ND	U
11096-82-5	Aroclor-1260	.50	ND	U

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

Project ID : 35195.10
Sample ID : MW-6
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/14/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/15/94
Instrument ID : HP22

Anametrix ID : 9407096-03
Analyst :
Supervisor :

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
12674-11-2	Aroclor-1016	.50	ND	U
11104-28-2	Aroclor-1221	.50	ND	U
11141-16-5	Aroclor-1232	.50	ND	U
53469-21-9	Aroclor-1242	.50	ND	U
12672-29-6	Aroclor-1248	.50	ND	U
11097-69-1	Aroclor-1254	.50	ND	U
11096-82-5	Aroclor-1260	.50	ND	U

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

Project ID : 35195.10
Sample ID : DUPX-1
Matrix : WATER
Date Sampled : 7/12/94
Date Extracted : 7/14/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/15/94
Instrument ID : HP22

Anametrix ID : 9407096-04
Analyst :
Supervisor :

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
12674-11-2	Aroclor-1016	.50	ND	U
11104-28-2	Aroclor-1221	.50	ND	U
11141-16-5	Aroclor-1232	.50	ND	U
53469-21-9	Aroclor-1242	.50	ND	U
12672-29-6	Aroclor-1248	.50	ND	U
11097-69-1	Aroclor-1254	.50	ND	U
11096-82-5	Aroclor-1260	.50	ND	U

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

Project ID :
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 7/14/94
Amount Extracted : 1000.0 mL
Date Analyzed : 7/15/94
Instrument ID : HP22

Anametrix ID : BL1411PF
Analyst :
Supervisor :

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
12674-11-2	Aroclor-1016	.50	ND	U
11104-28-2	Aroclor-1221	.50	ND	U
11141-16-5	Aroclor-1232	.50	ND	U
53469-21-9	Aroclor-1242	.50	ND	U
12672-29-6	Aroclor-1248	.50	ND	U
11097-69-1	Aroclor-1254	.50	ND	U
11096-82-5	Aroclor-1260	.50	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8080/PCBs
ANAMETRIX, INC. (408)432-8192

Project ID : 35195.10
Matrix : LIQUID

Anametrix ID : 9407096
Analyst :
Supervisor :

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	BLANK	59	78				
2	LCS	62	59				
3	LCSD	34	54				
4	MW-7	42	66				
5	MW-6	54	64				
6	DUPX-1	36	61				
7	MW-4	73	84				
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 = Decachlorobiphenyl	(34-135)
SU2 = Tetrachloro-m-xylene	(30-130)

* Values outside of Anametrix QC limits

LABORATORY CONTROL SPIKE RECOVERY FORM -- EPA METHOD 608PCB
ANAMETRIX, INC. (408) 432-8192

Project ID	: N/A	Anametrix ID	: M/NL1411PF
Sample ID	: LCS/LCSD	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	: N/A	Volume ext.	: 1000 mL
Date Extracted	: 7/14/94	pH	: N/A
Date Analyzed	: 7/15/94	Final Vol.	: 10000 uL
Instrument ID	: HP22	Inj. Vol.	: 1 ul
Dilution	: NONE		

LCS COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY	PERCENT LIMITS
Aroclor 1248	5	4	86	60-122
LCSD COMPOUND NAME	**AMOUNT ADDED (ug/L)**	**AMOUNT FOUND (ug/L)**	**PERCENT RECOVERY**	**PERCENT LIMITS**
Aroclor 1248	5	5	94	60-122
COMPOUND NAME	**%RPD**	**RPD LIMITS**	**RECOVERY LIMITS**	
Aroclor 1248	-9	0-30	60-122	
SURROGATE - LCS	**LCS-PERCENT RECOVERY**	**LCSD-PERCENT RECOVERY**	**RECOVERY LIMITS**	
TCX	65	63	30-130	
DCB	80	67	34-135	

*TCX=Tetrachloro-m-xylene

*DCB=Decachlorobiphenyl

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

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9407096- 1	MW-7	WATER	07/12/94	TPHd
9407096- 2	MW-4	WATER	07/12/94	TPHd
9407096- 3	MW-6	WATER	07/12/94	TPHd
9407096- 4	DUPX-1	WATER	07/12/94	TPHd
9407096- 7	MW-14	WATER	07/12/94	TPHgBTEX
9407096- 8	MW-9	WATER	07/12/94	TPHgBTEX
9407096- 9	TB2	WATER	07/12/94	TPHgBTEX

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

MR. WALTER HOWARD
RUST ENVIRONMENT AND INFRASTRUCTURE
12 METRO PARK ROAD
ALBANY, NY 12205

Workorder # : 9407096
Date Received : 07/12/94
Project ID : 35195.101
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balman 7/18/94
Department Supervisor Date

Teresa Shor 7/18/94
Chemist Date

Organic Analysis Data Sheet
Total Petroleum Hydrocarbons as Gasoline with BTEX
ITS - Anametrix Laboratories - (408)432-8192

Lab Workorder : 9407096 | Client Project ID : 35195.101

Matrix : WATER | Units : ug/L

Compound Name	Method Reporting Limit*	Client ID MW-14 Lab ID 9407096-07	Client ID MW-9 Lab ID 9407096-08	Client ID TB2 Lab ID 9407096-09	Client ID Lab ID METHOD BLANK	Client ID Lab ID METHOD BLANK
Benzene	0.50	ND	ND	ND	ND	ND
Toluene	0.50	ND	ND	ND	ND	ND
Ethylbenzene	0.50	ND	ND	ND	ND	ND
Total Xylenes	0.50	ND	ND	ND	ND	ND
TPH as Gasoline	50	ND	ND	ND	ND	ND
Surrogate Recovery		101%	104%	113%	99%	100%
Instrument ID		HP12	HP12	HP12	HP12	HP12
Date Sampled		07/12/94	07/12/94	07/12/94	N/A	N/A
Date Analyzed		07/14/94	07/14/94	07/15/94	07/14/94	07/15/94
RLMF		1	1	1	1	1
Filename Reference		FPL09607.D	FPL09608.D	FRL09609.D	BL1402E1.D	BL1501E1.D

* The Method Reporting Limit must be multiplied by the Reporting Limit Multiplication Factor (RLMF) to achieve the compound's reporting limit in the analysis.

ND : Not detected at or above the reporting limit for the analysis as performed.
TPHg : Determined by GC/FID following sample purge & trap by EPA Method 5030.
BTEX : Determined by modified EPA Method 8020 following sample purge & trap by EPA Method 5030.

Lab Control Limits for surrogate compound p-Bromofluorobenzene are 61-139%.

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

Jessica Shaw 7/18/94
Analyst Date

Cheryl Balmer 7/18/94
Supervisor Date

Issued on 7/18/94 @ 8:15 AM

Laboratory Control Spike Report
Total Petroleum Hydrocarbons as Gasoline
ITS - Anametrix Laboratories - (408)432-8192

Instrument ID : HP12
Matrix : LIQUID

Analyst : IT
Supervisor : MJ
Units : ug/L

COMPOUND NAME	SPIKE AMOUNT	LCS RECOVERY	RECOVERY LIMITS
Gasoline	500	84%	56-141
Surrogate Recovery		108%	61-139
Date Analyzed		07/14/94	
Multiplier		1	
Filename Reference		ML1402E1.D	

* Limits established by Inchcape Testing Services, Anametrix Laboratories.

Laboratory Control Spike Report
Total Petroleum Hydrocarbons as BTEX
ITS - Anametrix Laboratories - (408)432-8192

Instrument ID : HP12
Matrix : LIQUID

Analyst : IS
Supervisor : JM
Units : ug/L

COMPOUND NAME	SPIKE AMOUNT	LCS RECOVERY	LCSD RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Benzene	20	105%	100%	52-133	5%	30
Toluene	20	105%	105%	57-136	0%	30
Ethylbenzene	20	115%	110%	56-139	4%	30
Total Xylenes	20	110%	105%	56-141	5%	30
Surrogate Recovery		102%	105%	61-139		
Date Analyzed		07/15/94	07/15/94			
Multiplier		1	1			
Filename Reference		ML1501E1.D	NL1501E1.D			

* Limits established by Inchcape Testing Services, Anametrix Laboratories.

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

Anametrix W.O.: 9407096
Matrix : WATER
Date Sampled : 07/12/94
Date Extracted: 07/13/94

Project Number : 35195.101
Date Released : 07/18/94
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9407096-01	MW-7	07/15/94	50	210	90%
9407096-02	MW-4	07/15/94	500	9800	97%
9407096-03	MW-6	07/15/94	50	ND	83%
9407096-04	DUPX-1	07/15/94	50	ND	85%
BL1312F9	METHOD BLANK	07/14/94	50	ND	74%

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
The surrogate recovery limits for o-terphenyl are 47-114%.

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as C10-C28 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 7/18/94 Date

Supervisor 7/18/94 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: 07/13/94
Date Analyzed : 07/14/94

Anametrix I.D. : ML1312F9
Analyst : LS
Supervisor : CS
Date Released : 07/18/94
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	870	70%	870	70%	0%	38-96
SURROGATE			84%		80%		47-114

* Quality control limits established by Anametrix, Inc.

RUST ENVIRONMENT & INFRASTRUCTURE

9407096 10/18 (16)

Chain of Custody Record

AREA 3 SAMPLES

Custody Seal #	RUST E&I Cooler #

Project Number	Project Name/Client
35195.101	American National Can/RUST

Samplers: (Signature)

Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	Lab Sample Number	Container Number	Analysis Required: 8240/VOC	8270/SVOC	8080/PCB	3510/TPH-d	Matrix: Sample Type	Sample Container: VOA(2 vial)	Amber Liter	
1	MW-7	7/12/94	910	X			2	X					X		
2	MW-7	7/12/94	910	X			2			X				X	
3	MW-7	7/12/94	910	X			2				X			X	X mmm 7/12/94
4	MW-4	7/12/94	950	X			2	X					X		
5	MW-4	7/12/94	950	X			2		X					X	
6	MW-4	7/12/94	950	X			2			X				X	
7	MW-4	7/12/94	950	X			2				X			X	
8	MW-6	7/12/94	1030	X			2	X					X		
9	MW-6	7/12/94	1030	X			2		X					X	
10	MW-6	7/12/94	1030	X			2			X				X	
11	MW-6	7/12/94	1030	X			2				X			X	
12	DUP X-1	7/12/94		X			2	X					X		
13	DUP X-1	7/12/94		X			2		X					X	
14	DUP X-1	7/12/94		X			2			X				X	
15	DUP X-1	7/12/94		X			2				X			X	
16	Trip Blank	7/12/94					1	X					X		
17															
18															
19															
20															

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Disposed of by: (Signature)	Items:	Date/Time
	7/12/94 1245				
Relinquished by: (Signature)	Date/Time	Received by: (Signature) [Laboratory]	Disposed of by: (Signature)	Items:	Date/Time
	7/12/94 1325	Josephine DeCarli			

Send Lab Results To: Walter Howard
RUST E&I
12 Metro Place
Albany, N.Y.

Remarks: Use DHS LOFT Detection Limits where applicable.

Federal Express Airbill No.:
Lab:

Check Delivery Method:
- ☐ Samples delivered in person
- ☐ Common carrier
- ☐ Mail

Laboratory Receiving Notes:
Custody Seal Intact?
Temp. of Shipping Container:
Sample Condition:

Rev. 4/93 White Copy – Lab Yellow Copy – File Pink Copy – Client F514/Earth.Sci