RUST ENVIRONMENT & INFRASTRUCTURE

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

95 MAR -6 PM 2:57

March 3, 1995

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

Subject: Former American National Can Company Facility
Oakland, California

Dear Mr. Chan:

Rust Environment & Infrastructure, Inc. (RUST) has completed a fifteenth round of quarterly groundwater monitoring for the subject site, the eleventh round following the revised groundwater monitoring plan (dated April 27, 1992). This round of monitoring was conducted on December 29 and 30, 1994.

Several monitoring wells were abandoned under a permit from the Alameda County Flood Control District in March, 1994, due to site demolition activities occurring at the site at that time. As a result, five wells that were included in the April 27, 1992 groundwater monitoring program (MW-1, MW-18, MW-19, MW-20 and MW-21) could not be sampled. Monitoring well MW-8 also was not sampled as it could not be located following the completion of site demolition activities. Monitoring well GW-2R, the replacement well for formerly abandoned well GW-2, also was not sampled since it had a layer of floating product. Monitoring well TW-1 could not be sampled as it was inaccessible at this time, resulting from the UST removal activities performed in Area 2 earlier in December, 1994.

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 the other monitoring wells were collected and analyzed in accordance with the revised monitoring plan. During this round of monitoring, groundwater samples from wells MW-9 and MW-14 were inadvertantly analyzed for volatile organic compounds by EPA Method 8010, in addtion to BTEX and TPHg.

Attached is a detailed laboratory analytical report of the results of groundwater analyses obtained from this quarterly monitoring event. Table 1 provides a summary of this laboratory analytical package. Analytical results of groundwater samples collected during this round of monitoring do not reveal any remarkable changes from previous sampling events. None of the volatile organic

compounds (EPA Method 8010) , which had not been tested for during previous events, were detected in wells MW-9 and MW-14.

Table 2 is a summary of groundwater levels and product thickness measurements recorded during the four 1994 monitoring events, including the December 29, 1994 measurements. Plate 19 is a groundwater contour map of the groundwater elevation measurements recorded on December 29, 1994. 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.

The groundwater elevation in well MW-6 was 2.18 feet higher than that of well GW-2R during this monitoring event. During all previous monitoring events, the groundwater elevation at MW-6 has been just slightly (~0.25 feet) higher than at GW-2R. We believe that due to the excavation activities associated with Area 4 remediation and changes in the site surface grade stemming from plant demolition activities, a localized area for increased groundwater recharge potential has been created. The relatively high groundwater elevation in MW-6 may therefore reflect a localized temporal groundwater mound, that resulted from the new site physical conditions, in combination with the significant precipitation that fell in the region prior to this monitoring event. We anticipate that groundwater levels will return to previous conditions shortly after precipitation ceases. This recent phenomenon will be monitored during future monitoring events.

If you have any questions, please call me.

Very truly yours,

Edward W. Alusow

Edward W. Alusow
Senior Project Manager

Enclosures

cc: J. Moran, Esq., ANC
S. Arigala, SFBRWQCB
R. Creps, PES
J. Kessler, High Street Assoc.

TABLE 1
AMERICAN NATIONAL CAN COMPANY
FORMER OAKLAND, CALIFORNIA, FACILITY

Summary of Quarterly Ground Water Analytical Results - December, 1994

ANALYSIS	AREA - 3			AREA - 4	
	MW-4	MW-6	MW-7	MW-9	MW-14
Volatile Organics (EPA Method 8240)(ug/l)					
Dilution Factor	1.0	1.0	1.0	--	--
1,1-Dichloroethane	nd	**78**	nd	--	--
1,1,1-Trichloroethane	nd	**7**	nd	--	--
Benzene	**45**	nd	nd	--	--
Chlorobenzene	**18**	nd	nd	--	--
Ethylbenzene	nd	nd	nd	--	--
Total Xylenes	**10**	nd	nd	--	--
1,4-Dichlorobenzene	**10**	nd	nd	--	--
1,2-Dichlorobenzene	**13**	nd	nd	--	--
Total VOCs	**96**	**85**	nd		
Volatile Organics (EPA Methods 8010)(ug/l)	--	--	--	nd	nd
BTEX (Cal-DHS Method)(ug/l)					
Benzene	--	--	--	nd	nd
Toluene	--	--	--	nd	nd
Ethylbenzene	--	--	--	nd	nd
Total Xylenes	--	--	--	nd	nd
TPH as Gasoline (Cal-DHS Method)(ug/l)	--	--	--	nd	nd
TPH as Diesel (Cal-DHS Method)(ug/l)	**7000**	**68**	**230**	--	--
Semi-Volatile Organics (EPA Method 8270)(ug/l)					
Dilution Factor	1.0	1.0	--	--	--
1,2-Dichlorobenzene	**11**	nd	--	--	--
bis (2-Ethylhexyl) phthalate	nd	**12**	--	--	--
PCBs (EPA Method 8080)(ug/l)	nd	nd	nd	--	--

NOTES:

--: Indicates compound was not analyzed for.

nd: Indicates compound was not detected at the instrument detection limit.

TABLE 2
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.	10/12/94 DEPTH TO PRODUCT	10/12/94 DEPTH TO WATER	10/12/94 W.T. EL.	12/29/94 DEPTH TO PRODUCT	12/29/94 DEPTH TO WATER	12/29/94 W.T. EL.
MW-1	15.47		11.50	3.97	*Decommissioned*			*Decommissioned*			*Decommissioned*		
MW-2	14.86		9.11	5.75	10.51	10.52	4.35	12.19	12.30	2.65		8.78	6.08
MW-3	14.56	8.24	8.26	6.32	10.20	10.24	4.35	10.71	10.73	3.85		7.76	6.80
MW-4	15.27		11.07	4.20		12.39	2.88		12.73	2.54		10.16	5.11
MW-5	14.73	10.59	10.60	4.14	11.87	12.25	2.80	12.16	12.18	2.57		9.78	4.95
MW-6	13.24		9.50	3.74		10.77	2.47		10.98	2.26		6.83	6.41
MW-7	16.20		12.13	4.07		13.29	2.91		13.60	2.60		11.25	4.95
MW-8	12.90		9.17	3.73	*Not Accessible*			*Not Accessible*			*Not Accessible*		
MW-9	11.69		8.80	2.89		10.00	1.69		10.01	1.68		8.51	3.18
MW-10	13.03		9.07	3.96	*Not Accessible*			*Not Accessible*			*Not Accessible*		
MW-11	14.49		9.80	4.69		11.10	3.39		11.46	3.03		9.04	5.45
MW-12	16.81	*Not Accessible*			*Decommissioned*			*Decommissioned*			*Decommissioned*		
MW-13	18.31		9.11	9.20	*Not Accessible*				9.43	8.88	*Not Accessible*		
MW-14	12.00		8.97	3.03		10.18	1.82		10.90	1.10		8.66	3.34
MW-15	17.88	*Not Accessible*			*Not Accessible*				12.48	5.40	*Not Accessible*		
MW-16	12.26		9.23	** 3.03	*Decommissioned*			*Decommissioned*			*Decommissioned*		
MW-17	9.09		4.63	4.46	*Decommissioned*			*Decommissioned*			*Decommissioned*		
MW-18	13.10		9.08	4.02	*Decommissioned*			*Decommissioned*			*Decommissioned*		
MW-19	13.12		9.13	3.99	*Decommissioned*			*Decommissioned*			*Decommissioned*		
MW-20	13.14	*Taken 3/22/94*	9.10	4.04	*Decommissioned*			*Decommissioned*			*Decommissioned*		
MW-21	12.86		8.71	4.15	*Decommissioned*			*Decommissioned*			*Decommissioned*		
TW-1	17.76	12.68	12.71	5.07	*Not Accessible*				14.60	3.16	*Not Accessible*		
GW-1	15.35	12.06	12.07	3.29	*Decommissioned*			*Decommissioned*			*Decommissioned*		
GW-1R	15.04	*Installed March 23, 1994*		- -		11.95	3.09		12.85	2.19		10.19	4.85
GW-2	13.10		* 9.59	3.51	*Decommissioned*			*Decommissioned*			*Decommissioned*		
GW-2R	13.25	*Installed March 23, 1994*		- -	10.66	12.94	2.20	10.98	11.28	2.22	9.00	9.14	4.23
GW-3	11.55		8.14	3.41	*Decommissioned*			*Decommissioned*			*Decommissioned*		
GW-4	11.70		9.18	2.52		9.57	2.13		9.95	1.75		9.45	2.25
GW-5	17.72	*Not Accessible*				7.96	9.76		8.64	9.08		7.23	10.49
GW-6	19.78	*Not Accessible*			*Not Accessible*			*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.

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 # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9412300- 1	MW-7
9412300- 2	MW-4
9412300- 3	MW-6
9412300- 4	MW-14
9412300- 5	MW-9

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 your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Todd Seringer for
Susan Kraska Yeager
Laboratory Director

1-11-95
Date

Kristina V. Rayburn
Project Manager

This report consists of 53 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 # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9412300- 1	MW-7	WATER	12/29/94	8240
9412300- 2	MW-4	WATER	12/29/94	8240
9412300- 3	MW-6	WATER	12/29/94	8240
9412300- 2	MW-4	WATER	12/29/94	8270
9412300- 3	MW-6	WATER	12/29/94	8270

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- No QA/QC problems for EPA Method 8270 analyses.

Department Supervisor 1/11/95 Date

Chemist 1-11-95 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 :12/29/94
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/10/95
Instrument ID : MSD4

Anametrix ID : 9412300-02
Analyst : MET
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.	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	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	Anametrix ID	: 9412300-02
Sample ID	: MW-4	Analyst	: MCT
Matrix	: WATER	Supervisor	: DC
Date Sampled	:12/29/94		
Date Extracted	: 1/ 4/95		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 1/10/95	Dilution Factor	: 1.0
Instrument ID	: MSD4	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-6
Matrix : WATER
Date Sampled :12/29/94
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/10/95
Instrument ID : MSD4

Anametrix ID : 9412300-03
Analyst : MCS
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 :12/29/94
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/10/95
Instrument ID : MSD4

Anametrix ID : 9412300-03
Analyst : MCT
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.	12.	
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.
Sample ID : SBLKT8
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/10/95
Instrument ID : MSD4

Anametrix ID : BJ0411B1
Analyst : mcf
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.
Sample ID : SBLKT8
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/10/95
Instrument ID : MSD4

Anametrix ID : BJ0411B1
Analyst : MCJ
Supervisor : BS

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 : 9412300
Analyst : MV
Supervisor : DS

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	SBLKT8	75	76	81	72	76	107
2	SLCSTP	73	75	83	79	82	113
3	SLCSDIV	69	71	78	77	74	105
4	MW-4	54	83	84	78	59	105
5	MW-6	65	70	88	86	78	116
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	QC LIMITS
SU1 = 2-Fluorophenol	(21-100)
SU2 = Phenol-d5	(10- 94)
SU3 = Nitrobenzene-d5	(35-114)
SU4 = 2-Fluorobiphenyl	(43-116)
SU5 = 2,4,6-Tribromophenol	(10-123)
SU6 = Terphenyl-d14	(33-141)

* Values outside of Anametrix QC limits

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

Project/Case	: 35195.101	Anametrix ID	: MJ0411B1 & NJ0411B1
Matrix	: WATER	Analyst	: MCT
Date Sampled	: 00/00/00	Supervisor	: DCS
Date Extracted	: 01/04/95	SDG/Batch	: 12300
Date Analyzed	: 01/10/95		
Instrument ID	: MSD4	Samlpe I.D.	: SLCSTP & SLCSDIV

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
Phenol	75	0	56	75	22-96
2-Chlorophenol	75	0	62	83	21-96
1,4-Dichlorobenzene	50	0	41	82	17-88
N-nitroso-di-n-propylamine	50	0	37	74	19-98
1,2,4-Trichlorobenzene	50	0	40	80	18-92
4-Chloro-3-methylphenol	75	0	58	77	21-103
Acenaphthene	50	0	38	76	24-104
4-Nitrophenol	75	0	66	88	22-132
2,4-Dinitrotoluene	50	0	33	66	30-114
Pentachlorophenol	75	0	77	103	16-141
Pyrene	50	0	44	88	30-133

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD PERCENT RECOVERY	% RPD	%RPD LIMITS
Phenol	75	54	72	4	42
2-Chlorophenol	75	59	79	5	40
1,4-Dichlorobenzene	50	38	76	6	28
N-nitroso-di-n-propylamine	50	36	72	3	38
1,2,4-Trichlorobenzene	50	39	78	3	28
4-Chloro-3-methylphenol	75	58	77	0	42
Acenaphthene	50	36	72	4	38
4-Nitrophenol	75	58	77	16	50
2,4-Dinitroluene	50	29	58	9	38
Pentachlorophenol	75	76	101	2	50
Pyrene	50	41	82	5	31

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9412300- 1	MW-7	WATER	12/29/94	8240
9412300- 2	MW-4	WATER	12/29/94	8240
9412300- 3	MW-6	WATER	12/29/94	8240
9412300- 2	MW-4	WATER	12/29/94	8270
9412300- 3	MW-6	WATER	12/29/94	8270

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- No QA/QC problems for EPA Method 8240 analyses.

Dennis Powell 1-10-95
Department Supervisor Date

Taghi Memarzadeh 1/10/95
Chemist Date

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

Project ID : 35195.10
Sample ID : MW-7
Matrix : WATER
Date Sampled :12/29/94
Date Analyzed : 1/ 5/95
Instrument ID : MSD6

Anametrix ID : 9412300-01
Analyst : TM
Supervisor : DP

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 :12/29/94
Date Analyzed : 1/ 5/95
Instrument ID : MSD6

Anametrix ID : 9412300-02
Analyst : TM
Supervisor : BP

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.	45.	
107-06-2	1,2-Dichloroethane	5.	ND	U
79-01-6	Trichloroethene	5.	ND	U
78-87-5	1,2-Dichloropropane	5.	ND	U
75-27-4	Bromodichloromethane	5.	ND	U
10061-01-5	Cis-1,3-dichloropropene	5.	ND	U
108-10-1	4-Methyl-2-pentanone	10.	ND	U
108-88-3	Toluene	5.	ND	U
10061-02-6	Trans-1,3-dichloropropene	5.	ND	U
79-00-5	1,1,2-Trichloroethane	5.	ND	U
127-18-4	Tetrachloroethene	5.	ND	U
591-78-6	2-Hexanone	10.	ND	U
124-48-1	Dibromochloromethane	5.	ND	U
108-90-7	Chlorobenzene	5.	18.	
100-41-4	Ethylbenzene	5.	ND	U
1330-20-7	Xylene (Total)	5.	10.	
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.	10.	
95-50-1	1,2-Dichlorobenzene	5.	13.	

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

Project ID : 35195.10
Sample ID : MW-6
Matrix : WATER
Date Sampled :12/29/94
Date Analyzed : 1/ 5/95
Instrument ID : MSD6

Anametrix ID : 9412300-03
Analyst : TM
Supervisor : DP
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.	78.	
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.	7.	
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 : VBLKTW
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 1/ 5/95
Instrument ID : MSD6

Anametrix ID : BJ0501A2
Analyst : TM
Supervisor : DP

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 : 9412300
Analyst : TM
Supervisor : DP

	SAMPLE ID	SU1	SU2	SU3
1	VBLKTW	96	100	101
2	VLCSQZ	97	100	101
3	MW-7	97	99	101
4	MW-6	98	100	101
5	MW-4	101	101	102
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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 8240
ANAMETRIX, INC. (408)432-8192

Project/Case	:	Anametrix ID	: MJ0501A2.D
Matrix	: WATER	Analyst	: TM
Date Sampled	:	Supervisor	: DP
Date Analyzed	: 5 Jan 95 10:37 am	SDG/Batch	:
Instrument ID	: MSD2		
		Sample ID	: VLCSQZ @ 50ug/L

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	%REC LIMITS
1,1-Dichloroethene	50	0	50	99	72-145
Benzene	50	0	53	106	83-125
Trichloroethene	50	0	53	105	61-140
Toluene	50	0	52	104	82-123
Chlorobenzene	50	0	52	104	82-125

ANAMETRIX REPORT DESCRIPTION
GC

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.

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 its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

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

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

REPORTING CONVENTIONS

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

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9412300- 4	MW-14	WATER	12/30/94	8010/8020
9412300- 5	MW-9	WATER	12/30/94	8010/8020

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

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

M. Hosseini 1/10/95
Department Supervisor Date

Chemist 1/6/95
Date

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

Project ID : 35195.10
Sample ID : MW-14
Matrix : WATER
Date Sampled :12/30/94
Date Analyzed : 1/ 6/95
Instrument ID : AD15

Anametrix ID : 9412300-04
Analyst :
Supervisor :

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID : 35195.10
Sample ID : MW-9
Matrix : WATER
Date Sampled :12/30/94
Date Analyzed : 1/ 6/95
Instrument ID : AD15

Anametrix ID : 9412300-05
Analyst : ZS
Supervisor : [illegible]

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID : 35195.
Sample ID : VBLKA1
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 1/ 5/95
Instrument ID : AD15

Anametrix ID : BJ0503I1
Analyst : CB
Supervisor : DL

Dilution Factor : 1.0
Conc. Units : ug/L

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

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

Project ID : 35195.10
Matrix : LIQUID

Anametrix ID : 9412300
Analyst : ZJ
Supervisor : JL

	SAMPLE ID	SU1	SU2	SU3
1	VBLKA1	90	95	89
2	MW-14MS	93	98	95
3	MW-14MSD	92	98	93
4	MW-14	84	93	91
5	MW-9	85	93	93
6				
7				
8				
9				
10				
11				
12				
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25				
26				
27				
28				
29				
30				

	QC LIMITS
SU1 = Bromochloromethane	(56- 99)
SU2 = 1-Chloro-2-fluorobenze	(73-110)
SU3 = 2-Bromochlorobenzene	(65-108)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8010
ANAMETRIX, INC. (408)432-8192

Project ID : 35195.10
Sample ID : MW-14
Matrix : WATER
Date Sampled :12/30/94
Date Analyzed : 1/ 6/95
Instrument ID : AD15

Anametrix ID : 9412300-04
Analyst : ZB
Supervisor : [signature]

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	%REC LIMITS
Trichlorotrifluoroethan	10.0	.0	10.1	101	54-112
1,1-Dichloroethene	10.0	.0	10.0	100	66-123
trans-1,2-Dichloroethen	10.0	.0	10.0	100	76-119
1,1-Dichloroethane	10.0	.0	10.7	107	80-126
cis-1,2-Dichloroethene	10.0	.0	11.1	111	72-119
1,1,1-Trichloroethane	10.0	.0	10.0	100	68-128
Trichloroethene	10.0	.0	10.5	105	66-131
Tetrachloroethene	10.0	.0	9.9	99	72-117
Chlorobenzene	10.0	.0	9.5	95	75-119
1,3-Dichlorobenzene	10.0	.0	9.6	96	76-122
1,4-Dichlorobenzene	10.0	.0	9.4	94	76-125
1,2-Dichlorobenzene	10.0	.0	9.3	93	77-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
Trichlorotrifluoroethan	10.0	10.3	103	2	16	54-112
1,1-Dichloroethene	10.0	10.2	102	2	14	66-123
trans-1,2-Dichloroethen	10.0	10.3	103	3	12	76-119
1,1-Dichloroethane	10.0	10.8	108	1	12	80-126
cis-1,2-Dichloroethene	10.0	11.4	114	3	17	72-119
1,1,1-Trichloroethane	10.0	10.2	102	3	25	68-128
Trichloroethene	10.0	10.6	106	1	24	66-131
Tetrachloroethene	10.0	10.1	101	2	12	72-117
Chlorobenzene	10.0	9.9	99	4	10	75-119
1,3-Dichlorobenzene	10.0	9.7	97	0	9	76-122
1,4-Dichlorobenzene	10.0	9.5	95	1	9	76-125
1,2-Dichlorobenzene	10.0	9.2	92	0	9	77-127

* Value is outside of Anametrix QC limits

RPD: 0 out of 12 outside limits
Spike Recovery: 0 out of 24 outside limits

EPA METHOD 601/8010
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

LABORATORY CONTROL SAMPLE

Sample ID: LAB CONTROL SAMPLE
Batch: 12300
Matrix: WATER
Date Analyzed: 1/5/95

Laboratory ID: MJ050111
Instrument ID: AD15
Concentration Units: ug/L
Analyst: TS
Supervisor: JL

COMPOUND NAME	SPIKE AMOUNT	LCS REC	%REC LCS	%RECOVERY LIMITS
Trichlorotrifluoroethane	10	10.4	104%	65-116
1,1-Dichloroethene	10	10.2	102%	64-125
trans-1,2-Dichloroethene	10	10.5	105%	77-113
1,1-Dichloroethane	10	10.3	103%	85-129
cis-1,2-Dichloroethene	10	10.5	105%	78-130
1,1,1-Trichloroethane	10	10.4	104%	83-125
Trichloroethene	10	10.7	107%	76-124
Tetrachloroethene	10	10.5	105%	80-118
Chlorobenzene	10	10.0	100%	81-130
1,3-Dichlorobenzene	10	9.8	98%	82-115
1,4-Dichlorobenzene	10	9.8	98%	85-122
1,2-Dichlorobenzene	10	10.1	101%	86-122

Quality control limits are based on data generated by ITS-Anametrix Laboratories.

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8020
ANAMETRIX, INC. (408)432-8192

Project ID	: 35195.10	Anametrix ID	: 9412300-04
Sample ID	: MW-14	Analyst	:
Matrix	: WATER	Supervisor	:
Date Sampled	:12/30/94		
Date Analyzed	: 1/ 6/95	Dilution Factor	: 1.0
Instrument ID	: HP15	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	.50	ND	U
108-88-3	Toluene	.50	ND	U
108-90-7	Chlorobenzene	.50	ND	U
100-41-4	Ethylbenzene	.50	ND	U
1330-20-7	Total xylenes	.50	ND	U
541-73-1	1,3-Dichlorobenzene	.50	ND	U
106-46-7	1,4-Dichlorobenzene	.50	ND	U
95-50-1	1,2-Dichlorobenzene	.50	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8020
ANAMETRIX, INC. (408)432-8192

Project ID : 35195.10
Sample ID : MW-9
Matrix : WATER
Date Sampled :12/30/94
Date Analyzed : 1/ 6/95
Instrument ID : HP15

Anametrix ID : 9412300-05
Analyst : CB
Supervisor : DL

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	.50	ND	U
108-88-3	Toluene	.50	ND	U
108-90-7	Chlorobenzene	.50	ND	U
100-41-4	Ethylbenzene	.50	ND	U
1330-20-7	Total xylenes	.50	ND	U
541-73-1	1,3-Dichlorobenzene	.50	ND	U
106-46-7	1,4-Dichlorobenzene	.50	ND	U
95-50-1	1,2-Dichlorobenzene	.50	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 8020
ANAMETRIX, INC. (408)432-8192

Project ID : 35195.
Sample ID : VBLKB1
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Analyzed : 1/ 5/95
Instrument ID : HP15

Anametrix ID : BJ0503I3
Analyst : CS
Supervisor : DH

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
71-43-2	Benzene	.50	ND	U
108-88-3	Toluene	.50	ND	U
108-90-7	Chlorobenzene	.50	ND	U
100-41-4	Ethylbenzene	.50	ND	U
1330-20-7	Total xylenes	.50	ND	U
541-73-1	1,3-Dichlorobenzene	.50	ND	U
106-46-7	1,4-Dichlorobenzene	.50	ND	U
95-50-1	1,2-Dichlorobenzene	.50	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 8020
ANAMETRIX, INC. (408)432-8192

Project ID : 35195.10
Matrix : LIQUID

Anametrix ID : 9412300
Analyst : CB
Supervisor : sh

	SAMPLE ID	SU1	SU2	SU3
1	VBLKB1	96	91	
2	MW-14MS	99	94	
3	MW-14MSD	98	94	
4	MW-14	94	96	
5	MW-9	94	93	
6				
7				
8				
9				
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	QC LIMITS
SU1 = 1-Chloro-2-fluorobenze	(72-110)
SU2 = 2-Bromochlorobenzene	(65-108)

* Values outside of Anametrix QC limits

MATRIX SPIKE RECOVERY FORM -- EPA METHOD 8020
ANAMETRIX, INC. (408)432-8192

Project ID : 35195.10
Sample ID : MW-14
Matrix : WATER
Date Sampled :12/30/94
Date Analyzed : 1/ 6/95
Instrument ID : HP15

Anametrix ID : 9412300-04
Analyst : TB
Supervisor : JL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	%REC LIMITS
Benzene	10.0	.0	9.4	94	62-133
Toluene	10.0	.0	9.4	94	73-116
Chlorobenzene	10.0	.0	9.3	93	78-127
Ethylbenzene	10.0	.0	9.5	95	72-118
Total xylenes	20.0	.0	16.9	85	71-127
1,3-Dichlorobenzene	10.0	.0	9.2	92	73-119
1,4-Dichlorobenzene	10.0	.0	9.1	91	68-121
1,2-Dichlorobenzene	10.0	.0	9.0	90	73-115

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	RPD LIMITS	%REC LIMITS
Benzene	10.0	9.5	95	1	25	62-133
Toluene	10.0	9.5	95	1	25	73-116
Chlorobenzene	10.0	9.5	95	1	25	78-127
Ethylbenzene	10.0	9.7	97	1	25	72-118
Total xylenes	20.0	17.1	85	1	25	71-127
1,3-Dichlorobenzene	10.0	9.5	95	3	25	73-119
1,4-Dichlorobenzene	10.0	9.3	93	3	25	68-121
1,2-Dichlorobenzene	10.0	9.3	93	4	25	73-115

* Value is outside of Anametrix QC limits

RPD: 0 out of 8 outside limits
Spike Recovery: 0 out of 16 outside limits

EPA METHOD 602/8020
INCHCAPE TESTING SERVICES - ANAMETRIX
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

Sample ID: LAB CONTROL SAMPLE
Batch: 12300
Matrix: WATER
Date Analyzed: 1/5/95

Laboratory ID: MJ0501I3
Instrument ID: HP15
Concentration Units: ug/L
Analyst: CS
Supervisor: MH

COMPOUND NAME	SPIKE AMT	LCS REC	%REC LCS	%RECOVERY LIMITS
Benzene	10	9.8	98%	74-133
Toluene	10	9.8	98%	75-132
Chlorobenzene	10	9.8	98%	72-133
Ethylbenzene	10	9.9	99%	74-135
Total Xylenes	20	17.7	89%	73-129
1,3-Dichlorobenzene	10	9.8	98%	70-132
1,4-Dichlorobenzene	10	9.7	97%	71-130
1,2-Dichlorobenzene	10	9.6	96%	71-132

Quality control limits are based on data generated by ITS-Anametrix Laboratories.

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GC
Sub-Department: PEST

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9412300- 1	MW-7	WATER	12/29/94	8080
9412300- 2	MW-4	WATER	12/29/94	8080
9412300- 3	MW-6	WATER	12/29/94	8080

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GC
Sub-Department: PEST

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
-No QA/QC problems were encountered.

David L. Schuhmacher 1/11/95
Department Supervison Date

Chemist JAN. 11TH 1995
Date

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

Project ID : 35195.10
Sample ID : MW-7
Matrix : WATER
Date Sampled :12/29/94
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/ 9/95
Instrument ID : HP22

Anametrix ID : 9412300-01
Analyst :
Supervisor :

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	.05	ND	U
319-85-7	beta-BHC	.05	ND	U
319-86-8	delta-BHC	.05	ND	U
58-89-9	gamma-BHC	.05	ND	U
76-44-8	Heptachlor	.05	ND	U
309-00-2	Aldrin	.05	ND	U
1024-57-3	Heptachlor Epoxide	.05	ND	U
959-98-8	Endosulfan I	.05	ND	U
60-57-1	Dieldrin	.10	ND	U
72-55-9	4,4'-DDE	.10	ND	U
72-20-8	Endrin	.10	ND	U
33213-65-9	Endosulfan II	.10	ND	U
72-54-8	4,4'-DDD	.10	ND	U
1031-07-8	Endosulfan Sulfate	.10	ND	U
50-29-3	4,4'-DDT	.10	ND	U
72-43-5	Methoxychlor	.50	ND	U
53494-70-5	Endrin Ketone	.10	ND	U
8001-35-2	Toxaphene	5.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	2.0	ND	U
11141-16-5	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U
7421-93-4	Endrin Aldehyde	.10	ND	U
57-74-9	Technical Chlordane	1.0	ND	U

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

Project ID : 35195.10
Sample ID : MW-4
Matrix : WATER
Date Sampled :12/29/94
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/ 9/95
Instrument ID : HP22

Anametrix ID : 9412300-02
Analyst : AP
Supervisor : DS

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	.05	ND	U
319-85-7	beta-BHC	.05	ND	U
319-86-8	delta-BHC	.05	ND	U
58-89-9	gamma-BHC	.05	ND	U
76-44-8	Heptachlor	.05	ND	U
309-00-2	Aldrin	.05	ND	U
1024-57-3	Heptachlor Epoxide	.05	ND	U
959-98-8	Endosulfan I	.05	ND	U
60-57-1	Dieldrin	.10	ND	U
72-55-9	4,4'-DDE	.10	ND	U
72-20-8	Endrin	.10	ND	U
33213-65-9	Endosulfan II	.10	ND	U
72-54-8	4,4'-DDD	.10	ND	U
1031-07-8	Endosulfan Sulfate	.10	ND	U
50-29-3	4,4'-DDT	.10	ND	U
72-43-5	Methoxychlor	.50	ND	U
53494-70-5	Endrin Ketone	.10	ND	U
8001-35-2	Toxaphene	5.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	2.0	ND	U
11141-16-5	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U
7421-93-4	Endrin Aldehyde	.10	ND	U
57-74-9	Technical Chlordane	1.0	ND	U

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

Project ID	: 35195.10	Anametrix ID	: 9412300-03
Sample ID	: MW-6	Analyst	:
Matrix	: WATER	Supervisor	: DCS
Date Sampled	:12/29/94		
Date Extracted	: 1/ 4/95		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 1/ 9/95	Dilution Factor	: 1.0
Instrument ID	: HP22	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	.05	ND	U
319-85-7	beta-BHC	.05	ND	U
319-86-8	delta-BHC	.05	ND	U
58-89-9	gamma-BHC	.05	ND	U
76-44-8	Heptachlor	.05	ND	U
309-00-2	Aldrin	.05	ND	U
1024-57-3	Heptachlor Epoxide	.05	ND	U
959-98-8	Endosulfan I	.05	ND	U
60-57-1	Dieldrin	.10	ND	U
72-55-9	4,4'-DDE	.10	ND	U
72-20-8	Endrin	.10	ND	U
33213-65-9	Endosulfan II	.10	ND	U
72-54-8	4,4'-DDD	.10	ND	U
1031-07-8	Endosulfan Sulfate	.10	ND	U
50-29-3	4,4'-DDT	.10	ND	U
72-43-5	Methoxychlor	.50	ND	U
53494-70-5	Endrin Ketone	.10	ND	U
8001-35-2	Toxaphene	5.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	2.0	ND	U
11141-16-5	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U
7421-93-4	Endrin Aldehyde	.10	ND	U
57-74-9	Technical Chlordane	1.0	ND	U

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

Project ID : 35195.
Sample ID : BLANK
Matrix : WATER
Date Sampled : 0/ 0/ 0
Date Extracted : 1/ 4/95
Amount Extracted : 1000.0 mL
Date Analyzed : 1/ 9/95
Instrument ID : HP22

Anametrix ID : BJ0411P2
Analyst : [illegible]
Supervisor : [illegible]

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
319-84-6	alpha-BHC	.05	ND	U
319-85-7	beta-BHC	.05	ND	U
319-86-8	delta-BHC	.05	ND	U
58-89-9	gamma-BHC	.05	ND	U
76-44-8	Heptachlor	.05	ND	U
309-00-2	Aldrin	.05	ND	U
1024-57-3	Heptachlor Epoxide	.05	ND	U
959-98-8	Endosulfan I	.05	ND	U
60-57-1	Dieldrin	.10	ND	U
72-55-9	4,4'-DDE	.10	ND	U
72-20-8	Endrin	.10	ND	U
33213-65-9	Endosulfan II	.10	ND	U
72-54-8	4,4'-DDD	.10	ND	U
1031-07-8	Endosulfan Sulfate	.10	ND	U
50-29-3	4,4'-DDT	.10	ND	U
72-43-5	Methoxychlor	.50	ND	U
53494-70-5	Endrin Ketone	.10	ND	U
8001-35-2	Toxaphene	5.0	ND	U
12674-11-2	Aroclor-1016	1.0	ND	U
11104-28-2	Aroclor-1221	2.0	ND	U
11141-16-5	Aroclor-1232	1.0	ND	U
53469-21-9	Aroclor-1242	1.0	ND	U
12672-29-6	Aroclor-1248	1.0	ND	U
11097-69-1	Aroclor-1254	1.0	ND	U
11096-82-5	Aroclor-1260	1.0	ND	U
7421-93-4	Endrin Aldehyde	.10	ND	U
57-74-9	Technical Chlordane	1.0	ND	U

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

Project ID : 35195.10
Matrix : LIQUID

Anametrix ID : 9412300
Analyst : RS
Supervisor : DS

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6
1	BLANK	106	89				
2	LCS	101	80				
3	LCSD	101	78				
4	MW-7	81	86				
5	MW-4	67	89				
6	MW-6	59	69				
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 = Decachlorobiphenyl	(33-126)
SU2 = Tetrachloro-m-xylene	(30-130)

* Values outside of Anametrix QC limits

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

Project ID	: 35195.101	Anametrix	: M/NJ0411P2
Sample ID	: LCS/LCSD	Analyst	: KP
Matrix	: WATER	Supervisor	: DCS
Date Sampled	: NA	Volume ext	: 1L
Date Extracted	: 1/4/95	pH	: N/A
Date Analyzed	: 1/9/95	Final Vol.	: 10000 ul
Instrument ID	: HP22	Inj. Vol.	: 1 ul
Dilution	: 2		

LCS COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY	RECOVERY LIMITS
gamma-BHC	.50	.40	80	47-120
Heptachlor	.50	.42	84	44-125
Aldrin	.50	.40	80	41-125
Dieldrin	1.0	.89	89	53-133
Endrin	1.0	.86	86	51-134
4,4'-DDT	1.0	.85	85	49-134
LCSD COMPOUND NAME	AMOUNT ADDED (ug/L)	AMOUNT FOUND (ug/L)	PERCENT RECOVERY	RECOVERY LIMITS
gamma-BHC	.50	.40	80	47-120
Heptachlor	.50	.42	84	44-125
Aldrin	.50	.40	80	41-125
Dieldrin	1.00	.88	88	53-133
Endrin	1.00	.86	86	51-134
4,4'-DDT	1.00	.84	84	49-134

COMPOUND NAME	RPD	RPD LIMITS
gamma-BHC	0	25
Heptachlor	0	25
Aldrin	0	25
Dieldrin	1	25
Endrin	0	25
4,4'-DDT	1	25

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The concentration reported as diesel for sample MW-7 is due to the presence of a combination of diesel fuel and a heavier petroleum product of hydrocarbon range C18-C36, possibly motor oil.

Cheryl Balmer 1/9/95
Department Supervisor Date

Reggie Dawson 1/9/95
Chemist Date

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

Lab Workorder : 9412300 | Client Project ID : 35195.101

Matrix : WATER | Units : ug/L

Compound Name	Method Reporting Limit*	Client ID MW-14 Lab ID 9412300-04	Client ID MW-9 Lab ID 9412300-05	Client ID Lab ID METHOD BLANK	Client ID Lab ID	Client ID Lab ID
Benzene	0.50	ND	ND	ND		
Toluene	0.50	ND	ND	ND		
Ethylbenzene	0.50	ND	ND	ND		
Total Xylenes	0.50	ND	ND	ND		
TPH as Gasoline	50	ND	ND	ND		
Surrogate Recovery		107%	105%	98%		
Instrument ID		HP21	HP21	HP21		
Date Sampled		12/30/94	12/30/94	N/A		
Date Analyzed		01/04/95	01/04/95	01/04/95		
RLMF		1	1	1		
Filename Reference		FPD30004.D	FPD30005.D	BJ0401E1.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.

Reggie Dawson 1/9/95
Analyst Date

Cheryl Bateman 1/9/95
Supervisor Date

Issued on 1/9/95 @ 10:48 am

Matrix Spike Report

Total Petroleum Hydrocarbons as BTEX

ITS - Anametrix Laboratories - (408)432-8192

Project ID : 35195.1
Sample ID : MW-9
Matrix : WATER
Date Sampled : 12/30/94

Laboratory ID : 9412300-05
Analyst : RD
Supervisor : cs
Instrument ID : HP21
Units : ug/L

COMPOUND NAME	SPIKE AMOUNT	SAMPLE RESULTS	MS RECOVERY	MSD RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Benzene	10	ND	82%	88%	45-139	-7%	30
Toluene	10	ND	83%	90%	51-138	-8%	30
Ethylbenzene	10	ND	83%	90%	48-146	-8%	30
Total Xylenes	10	ND	90%	96%	50-139	-6%	30
Surrogate Recovery		105%	112%	111%			
Date Analyzed		01/04/95	01/04/95	01/04/95			
Multiplier		1	1	1			
Filename Reference		FPD30005.D	FMD30005.D	FDD30005.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 : HP21
Matrix : LIQUID

Analyst : RV
Supervisor : cs
Units : ug/L

COMPOUND NAME	SPIKE AMOUNT	LCS RECOVERY	RECOVERY LIMITS
Benzene	10	88%	52-133
Toluene	10	88%	57-136
Ethylbenzene	10	89%	56-139
Total Xylenes	10	92%	56-141
Surrogate Recovery		114%	53-147
Date Analyzed		01/04/95	
Multiplier		1	
Filename Reference		MJ0401E1.D	

* Limits established by Inchcape Testing Services, Anametrix Laboratories.

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

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

Workorder # : 9412300
Date Received : 12/30/94
Project ID : 35195.101
Purchase Order: E-25237
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9412300- 1	MW-7	WATER	12/29/94	TPHd
9412300- 2	MW-4	WATER	12/29/94	TPHd
9412300- 3	MW-6	WATER	12/29/94	TPHd
9412300- 4	MW-14	WATER	12/30/94	TPHgBTEX
9412300- 5	MW-9	WATER	12/30/94	TPHgBTEX

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

Anametrix W.O.: 9412300
Matrix : WATER
Date Sampled : 12/29/94
Date Extracted: 01/04/95

Project Number : 35195.101
Date Released : 01/06/95
Instrument I.D.: HP19

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9412300-01	MW-7	01/05/95	50	230	90%
9412300-02	MW-4	01/05/95	250	7000	79%
9412300-03	MW-6	01/05/95	50	68	84%
BJ0411F1	METHOD BLANK	01/05/95	50	ND	90%

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
The surrogate recovery limits for o-terphenyl are 67-103%.

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.

Doshi 1/9/95
Analyst Date

Cheryl Baumer 1/9/95
Supervisor Date

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

Sample I.D. : LAB CONTROL SAMPLE
Matrix : WATER
Date Sampled : N/A
Date Extracted: 01/04/95
Date Analyzed : 01/05/95

Anametrix I.D. : MJ0411F1
Analyst : [signature]
Supervisor : [signature]
Date Released : 01/06/95
Instrument I.D.: HP19

COMPOUND	SPIKE AMT (ug/L)	LCS REC (ug/L)	% REC LCS	LCSD REC (ug/L)	% REC LCSD	RPD	% REC LIMITS
DIESEL	1250	1200	96%	1200	96%	0%	38-96
SURROGATE			98%		100%		67-103

* Quality control limits established by Anametrix, Inc.

Inchcape Testing Services
Anametrix Laboratories

SAMPLE RECEIVING CHECKLIST

WORKORDER NUMBER: 9412300 CLIENT PROJECT ID: 3595.101

COOLER

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

SAMPLES

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

CHAIN OF CUSTODY

Chain of custody received with samples?	(YES)	NO
Has it been filled out completely and in ink?	YES	(NO)
Sample ID's on chain of custody agree with container labels?	(YES)	NO
Number of containers indicated on chain of custody agree with number received?	(YES)	NO
Analysis methods clearly specified?	(YES)	NO
Sampling date and time indicated?	(YES)	NO
Proper signatures of sampler, courier, sample custodian in appropriate place? with time and date?	(YES)	NO
Turnaround time? REGULAR ✓ RUSH ____		

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

Sample Custodian: MG Date: 12/30/94 Project Manager: CWR Date: 1/5/95

4291

RUST ENVIRONMENT & INFRASTRUCTURE

9412300 (16) (18) (14/5)

Chain of Custody Record

Custody Seal #	RUST E&I Cooler # 1

Project Number	Project Name/Client
35195.101	AMERICAN/CAN CO

Sample Custodian: (Signature) James Andrews

Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	PID Reading (ppm)	Label Number	Analysis Required: EPA-8240	TOH-D	EPA 8060	EPA 8270							Matrix: Sample Type: Water	Sample Container: VOA 5ml	Sample Container: 1 Amber			
1	MW-7	12-29-94	13:29	X			6	X	X	X								X	2	4			
2	MW-4		14:00	X			8	X	X	X	X						one vial of labels ea	X	4	4			
3	MW-6	↓	14:55	X			8	X	X	X	X							X	2	6			
4																							
5																							
6																							
7																							
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Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Disposed of by: (Signature)	Items:	Date/Time
Relinquished by: (Signature) James Andrews	12/30/94 15:35	Received by: (Signature) [Laboratory] Josephine DeCarli	Disposed of by: (Signature)	Items:	Date/Time

Send Lab Results To:
Walter Howard
12 Metro Park Rd. Albany
NY 12205

Remarks: Area 3 Samples
Use DHS Luft Detection Limits
Where Applicable
Federal Express Airbill No.:
Lab:

Check Delivery Method:
☒ Samples delivered in person
☐ Common carrier

Laboratory Receiving Notes:
Custody Seal Intact? N/A
Temp. of Shipping Container: 3°C
Sample Condition: Good

White Copy – Lab Yellow Copy – File Pink Copy – Client

F514/Earth.Sci