N00217.003044
HUNTERS POINT
SSIC NO. 5090.3

5090
Ser 09ER1WR/L4394
13 Sep 1994

Ms. Alydda Mangelsdorf (H-9-2)
Remedial Project Manager
Federal Facilities Cleanup Program
U. S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Dear Ms. Mangelsdorf:

This letter acknowledges receipt of your letter of August 5, 1994 regarding ground water data from the results of tests on samples from monitoring wells at Parcel A at the Naval Facilities Engineering Command, Western Division, Hunters Point Annex, San Francisco, CA. For each ground water sample, the enclosed laboratory data sheets include every compound which was analyzed, the detection limit for each analysis, and the concentration of each analyte.

If you have any questions regarding this letter, please contact either myself at (415) 244-3596, or Mr. William Radzevich at (415) 244-2555.

Sincerely,

Original signed by:

RICHARD E. POWELL
Head, Environmental Restoration Section 1
By direction of
the Commander

Encl: (1) Navy's laboratory data sheets and summary data validation reports for ground water samples collected during Parcel A ground water investigation

Copy to:
Cal EPA, Department of Toxic Substances Control (Attn: Mr. Cyrus Shabahari)
Regional Water Quality Control Board (Attn: Mr. Richard C. Hiett)
City and County of San Francisco, Department of Public Health (Attn: Amy Brownell, w/o encl))
PRC Environmental Management (Attn: Mr. James Sickles, w/o encl)
Harding Lawson Associates (Attn: Mr. David Leland, w/o encl)

Blind copy to:
T4D1RR, T4C, 09ER, 09ER1, 09ER1WR
09CJC, 09CMN, 09CRG
Admin Records (3 Copies)
Chron, blue, pink, green
File: HPA

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix, Inc.
QA Reviewer:	Kim Chang-Pawlowski, PRC
Review Date:	April 18, 1994
SDG Number:	9407B161
Project No.:	9402159
Sample No(s).:	9407B161.
Analyses:	CLP Volatiles, Semivolatiles, Pesticides/PCBs, Metals; Non-CLP TPH Gasoline, TPH Diesel, TRPH, and pH.
Collection Date:	February 14, 1994

QC Criteria Reviewed:

CLP Organic: Holding times from date of sample collection; initial and continuing calibration(s); field, method, and instrument blanks; surrogate recoveries; laboratory control samples; matrix spike/matrix spike duplicate analysis; internal standard performance; and overall assessment for the SDG.

CLP Inorganics: Holding times from date of sample collection; initial and continuing calibration(s); field, preparation, and calibration blanks; laboratory control samples; duplicate sample analysis; matrix spike analysis; ICP serial dilution; and overall assessment for the SDG.

Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to EPA draft documents "National Functional Guidelines for Organic Data Review" (June 1991), "Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses" (July 1988) and in addition the PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

I. Holding Times

A. All holding time criteria were met.

II. Blank Contamination

A. Due to laboratory blank contamination, the result for the following analyte is considered non-detected (U):

- Methylene chloride in sample 9407B161.

Although methylene chloride was not found in any of the associated blanks, it is considered a common laboratory contaminant when found at a low level (<5x CRQL) in environmental samples.

B. Due to laboratory blank contamination, the results for the following analytes are considered non-detected (U):

- Beryllium, molybdenum, cadmium, and selenium in sample 9407B161.

The metals were detected in the associated laboratory blanks at the following maximum concentrations:

Blank Contaminant	Concentration
Aluminum	15.4 ug/L
Arsenic	0.874 mg/kg
Beryllium	0.4 ug/L
Cadmium	-1.7 ug/L
Chromium	0.55 mg/kg
Copper	1.3 ug/L
Iron	5.992 mg/kg
Molybdenum	9.2 ug/L
Selenium	3.4 ug/L
Vanadium	3.8 ug/L
Zinc	1.2 mg/kg

Detected sample results < 5x the maximum blank contamination were qualified. The data were not affected by the aluminum, arsenic, chromium, copper, iron, vanadium, and zinc blank contaminants, as sample results were positive above 5x the blank contamination.

III. Surrogate Recovery

A. All QC for surrogate recoveries were met.

IV. Matrix Spike/ Matrix Spike Duplicate

A. Due to accuracy problems, the following analytes are considered estimated (J/UJ):

- Antimony, arsenic, chromium, and selenium in sample 9407B161.

The QC criteria of 75-125% was not met as follows: antimony (50.6%), arsenic (65.2%), chromium (63.9%), and selenium (72.8%).

V. Matrix Duplicate

A. All QC for matrix duplicate analyses were met.

VI. Field Duplicate

A. Field duplicate samples were not collected.

VII. Laboratory Control Sample or Blank Spike

A. All blank spike recoveries were within criteria.

VIII. Calibration

A. Due to initial calibration problem, the following detected analyte is considered estimated (J) and no action is taken on the non-detected results:

- Acetone in sample 9407B161.

The following initial calibration relative standard deviations (%RSD) >30% & <60%:

Date and Time	Compound	%RSD
11-22-93 (11:02)	Acetone	37%

B. Due to continuing calibration problems, the following detected analytes are considered estimated (J) and no action is taken on the non-detected results:

- Acetone and chloromethane in sample 9407B161
- Hexachlorocyclopentadiene in sample 9407B161

The following continuing calibrations percent differences (%D) > 25% < 50%:

Date and Time	Compound	%D
2-15-94 (9:22)	Acetone	37.0%
	Chloromethane	27.4%
2-17-94 (10:55)	Hexachlorocyclopentadiene	30.3%

IX. Internal Standards

A. All internal standard criteria were met.

X. ICP Serial Dilution

A. Due to ICP serial dilution problems, the following detected result is considered estimated (J):

- Zinc in sample 9407B161

The percent difference between the original sample result and the serial dilution result was greater than 10% for: zinc (12.4%).

XI. Case Assessment

A. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes. Based upon the cursory data validation, all other results are considered valid and usable for all purposes.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B161

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B161

Matrix: (soil/water) SOIL Lab Sample ID: 9402159-01

Sample wt/vol: 5.000 (g/mL) G Lab File ID: MPF15901

Level: (low/med) LOW Date Received: 02/14/94

% Moisture: not dec. 15. Date Analyzed: 02/15/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene chloride	12 ~~5.~~	JU
67-64-1	Acetone	12.	U
75-15-0	Carbon disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
544-59-2	1,2-Dichloroethene (Total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	Cis-1,3-dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	Trans-1,3-dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (Total)	12.	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B161

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B161

Matrix: (soil/water) SOIL Lab Sample ID: 9402159-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF15901

Level: (low/med) LOW Date Received: 02/14/94

% Moisture: 15. decanted: (Y/N) N Date Extracted: 02/16/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	980.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	980.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	980.	U
83-32-9	Acenaphthene	390.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B161

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B161

Matrix: (soil/water) SOIL Lab Sample ID: 9402159-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF15901

Level: (low/med) LOW Date Received: 02/14/94

% Moisture: 15. decanted: (Y/N) N Date Extracted: 02/16/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 02/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980.	U
100-02-7	4-Nitrophenol	980.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	980.	U
534-52-1	4,6-Dinitro-2-methylphenol	980.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	980.	U
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	390.	U
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	390.	U
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	U
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B161

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B161

Matrix: (soil/water) SOIL Lab Sample ID: 9402159-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EPF15901

% Moisture: 15. decanted: (Y/N) N Date Received: 02/14/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/15/94

Concentrated Extract Volume: 5000.0 (uL) Date Analyzed: 02/17/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	7.3	
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan Sulfate	3.9	U
50-29-3	4,4'-DDT	6.4	
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin Ketone	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B161

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B161

Matrix (soil/water): SOIL Lab Sample ID: 02159-01

Level (low/med): LOW Date Received: 02/14/94

% Solids: 85.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11100		*	P	
7440-36-0	Antimony	6.0	U	N	P	JUJ
7440-38-2	Arsenic	4.5		N	F	J
7440-39-3	Barium	100			P	
7440-41-7	Beryllium	0.39	~~B~~		P	U
7440-43-9	Cadmium	0.28	U		P	UJ
7440-70-2	Calcium	4620			P	
7440-47-3	Chromium	94.9		N*	P	J
7440-48-4	Cobalt	14.6			P	J
7440-50-8	Copper	17.0			P	
7439-89-6	Iron	23300			P	
7439-92-1	Lead-ICP	70.7			P	
7439-95-4	Magnesium	3740			P	
7439-96-5	Manganese	417			P	
7439-97-6	Mercury	0.10	B		CV	
7439-98-7	Molybdenum	1.5	~~B~~		P	UJ
7440-02-0	Nickel	70.5			P	
7440-09-7	Potassium	1160	B		P	
7782-49-2	Selenium	0.75	U	N	F	UJ
7440-22-4	Silver	0.84	U		P	
7440-23-5	Sodium	157	B		P	
7440-28-0	Thallium	0.98	U		F	
7440-62-2	Vanadium	51.9			P	
7440-66-6	Zinc	65.4		E	P	J

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts:

Comments:

000070

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

Project ID	: 276	Anametrix ID	: 9402159-01
Sample ID	: B161	Lab File ID	: PPF15901
Matrix	: SOIL	% Moisture	: 15.
Date Sampled	: 2/14/94		
Date Analyzed	: 2/15/94	Dilution Factor	: 5.0
Instrument ID	: HP21	Conc. Units	: ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	590.	ND	U
- -	Other Components	590.	ND	U

GC/TPH - PAGE

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

Project ID : 276
Sample ID : B161
Matrix : SOIL
Date Sampled : 2/14/94
Date Extracted : 2/15/94
Amount Extracted : 10.0 g
Date Analyzed : 2/15/94
Instrument ID : HP19

Anametrix ID : 9402159-01
Lab File ID : FPF15901
% Moisture : 15.

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	12000.	ND	U
4444-44-4	MOTOR OIL	12000.	18000.	

GC/TPH - PAGE

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix
QA Reviewer:	Sharon Lin, PRC
Review Date:	April 19, 1994
SDG Number:	9404X175
Work Order No:	9401369
Sample No(s).:	9404X175, 9404X177, 9404X179 and 9404X180
Matrix:	Water
Analyses:	CLP Volatiles, Semivolatiles, Non-CLP TPH-gasoline, TPH-diesel and TRPH.
Collection Date:	January 28, 1994

QC Criteria Reviewed:

CLP Organic: Holding times from date of sample collection; initial and continuing calibration(s); field, method, and instrument blanks; surrogate recoveries; laboratory control samples; matrix spike/matrix spike duplicate analysis; internal standard performance; and overall assessment for the SDG.

Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to EPA draft documents "National Functional Guidelines for Organic Data Review" (June 1991) and in addition the PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC in this SDG - 9404X179 (Equipment Blank) and 9404X180 (Trip Blank).

I. Holding Times

A. Due to holding time problems, the following detected and non-detected results are qualified as estimated (J / UJ):

- TPH-diesel/motor oil in sample 9404X179RE.

Sample Number	Sampling Date	Extraction Date	Days Exceeded
9404X179RE	1/28/94	2/7/94	3

II. Blank Contamination

A. Due to laboratory blank contamination, the results for the following analytes are considered non-detected (U):

- Acetone in samples 9404X175 and 9404X177.
- Bis(2-ethylhexyl)phthalate in samples 9404X175, 9404X177 and 9404X179.

Although acetone and bis(2-ethylhexyl)phthalate were not detected in the associated method blanks, the above two target analytes are considered common laboratory contaminants. Therefore, the above detected results are considered as artifacts.

III. Surrogate Recovery

A. Surrogate recoveries for TPH-diesel in sample 9404X175 and the associated method blank 9404X175P2 were 19% and 28%, respectively, falling outside the lower QC limit of 40%. The sample was re-extracted and re-analyzed and the surrogate recovery for the associated method blank was 29%. Due to the consistent problems with surrogate recoveries in the associated method blanks, all TPH-diesel/motor oil results are considered estimates (J) and usable for limited purposes only.

B. A surrogate recovery of 26% was reported for surrogate compound terphenyl-d14 in semivolatile analyses, falling outside the lower QC limit of 33% for water samples. Due to the fact there is only one surrogate recovery falling outside the advisory QC criteria, the associated sample results are not qualified based on the surrogate recovery problem.

IV. Matrix Spike/ Matrix Spike Duplicate

A. MS/MSD analyses for semivolatile and TPH-diesel were not performed. Blank spikes were analyzed instead and the results are considered acceptable.

V. Blank Spike or LCS

A. All QC criteria for LCS analyses were met and the results are considered acceptable.

VI. Field Duplicate

A. There were no field duplicate analyses performed.

VII. Calibration

A. A Percent Relative Standard Deviation (%RSD) of 34.4% was reported for target analyte 2,4-dinitrophenol in the initial calibration performed on January 22, 1994, exceeding the advisory QC criteria of <30%. Due to the slight deviation, it is the reviewer's opinion that the above exceeded %RSD has no effect on sample data quality.

B. A Percent Difference (%D) of 28.8% was observed for target analyte hexachloropentadiene in the continuing calibration performed on February 1, 1994, exceeding the advisory QC criteria of <25%. Due to the slight deviation, it is the reviewer's opinion that the above exceeded %D has no effect on sample data quality.

C. All other QC criteria were met for initial and continuing calibrations and the results are considered acceptable.

VIII. Internal Standards

A. All QC criteria were met for internal standards in sample volatiles and semivolatiles analyses.

IX. Compound Identification

A. The TPH-gasoline results in sample 9404X175 and 9404X177 are flagged as "Z" due to compound identification problems. The GC chromatograms for the above noted samples did not exhibit a typical TPH-gasoline pattern, and therefore should not be considered as an identifiable TPH-gasoline compound.

X. Case Assessment

A. Due to the above noted surrogate recovery problems, the results for TPH-diesel and motor oil in all samples are considered as estimates and usable for limited purposes only. The TPH-gasoline results for sample 9404X175 and 9404X177 are considered as results from unknown hydrocarbons. All other results are considered acceptable and usable for all purposes, based on the cursory validation.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X175

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPJ36901

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: not dec._____ Date Analyzed: 01/31/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	33.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

FORM I VOA 3/90

All changes
S.L 4/25/94

~~000004~~
000003

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X177

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPJ36902

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: not dec._____ Date Analyzed: 01/31/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	16.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

FORM I VOA 3/90

All chgs
S.L 4/25/94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X179

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPJ36903

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: not dec._____ Date Analyzed: 01/31/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X180

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPJ36904

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: not dec._____ Date Analyzed: 01/31/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X175

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPJ36901

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/28/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 02/01/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	4.	J
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	15.	
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X175

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPJ36901

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/28/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 02/01/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	8.	J
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	13.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All chgs s.c 4/25/94

FORM I SV-2 3/90

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X177

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRJ36902

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/28/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 02/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	20.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U
95-57-8	2-Chlorophenol	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U
95-48-7	2-Methylphenol	20.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	20.	U
106-44-5	4-Methylphenol	20.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	U
67-72-1	Hexachloroethane	20.	U
98-95-3	Nitrobenzene	20.	U
78-59-1	Isophorone	20.	U
88-75-5	2-Nitrophenol	20.	U
105-67-9	2,4-Dimethylphenol	20.	U
111-91-1	bis(2-Chloroethoxy)methane	20.	U
120-83-2	2,4-Dichlorophenol	20.	U
120-82-1	1,2,4-Trichlorobenzene	20.	U
91-20-3	Naphthalene	6.	J
106-47-8	4-Chloroaniline	20.	U
87-68-3	Hexachlorobutadiene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U
91-57-6	2-Methylnaphthalene	24.	
77-47-4	Hexachlorocyclopentadiene	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	20.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	20.	U
208-96-8	Acenaphthylene	20.	U
606-20-2	2,6-Dinitrotoluene	20.	U
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	20.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X177

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRJ36902

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/28/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 02/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	20.	U
121-14-2	2,4-Dinitrotoluene	20.	U
84-66-2	Diethylphthalate	20.	U
7005-72-3	4-Chlorophenyl-phenylether	20.	U
86-73-7	Fluorene	20.	U
100-01-6	4-Nitroaniline	20.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	50.	U
101-55-3	4-Bromophenyl-phenylether	11.	J
118-74-1	Hexachlorobenzene	20.	U
87-86-5	Pentachlorophenol	20.	U
85-01-8	Phenanthrene	50.	U
120-12-7	Anthracene	20.	U
86-74-8	Carbazole	20.	U
84-74-2	Di-n-butylphthalate	20.	U
206-44-0	Fluoranthene	20.	U
129-00-0	Pyrene	20.	U
85-68-7	Butylbenzylphthalate	20.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	20.	U
218-01-9	Chrysene	20.	U
117-81-7	bis(2-Ethylhexyl)phthalate	20.	U
117-84-0	Di-n-octylphthalate	110.	U
205-99-2	Benzo(b)fluoranthene	20.	U
207-08-9	Benzo(k)fluoranthene	20.	U
50-32-8	Benzo(a)pyrene	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	20.	U
53-70-3	Dibenz(a,h)anthracene	20.	U
191-24-2	Benzo(g,h,i)perylene	20.	U

(1) - Cannot be separated from diphenylamine

All chgs sc 4/25/94

FORM I SV-2 3/90

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X179

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPJ36903

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/28/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 02/01/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X179

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: X175

Matrix: (soil/water) WATER Lab Sample ID: 9401369-03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPJ36903

Level: (low/med) LOW Date Received: 01/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/28/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 02/01/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	26.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All chgs
S.L 4/14/94

FORM I SV-2 3/90

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

Project ID : X175
Sample ID : X175
Matrix : WATER
Date Sampled : 1/28/94
Date Analyzed : 2/ 1/94
Instrument ID : HP21

Anametrix ID : 9401369-0
Lab File ID : FPJ36901
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	49.	J Z
- -	Other Components	50.	ND	U

GC/TPH - PAGE

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

Project ID	: X175	Anametrix ID	: 9401369-02
Sample ID	: X177	Lab File ID	: FPJ36902
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 1/28/94		
Date Analyzed	: 2/ 1/94	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	110.	Z
- -	Other Components	50.	ND	U

GC/TPH - PAGE

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

Project ID	: X175	Anametrix ID	: 9401369-0
Sample ID	: X179	Lab File ID	: FPJ36903
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 1/28/94		
Date Analyzed	: 2/ 1/94	Dilution Factor	: 1.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	ND	U
- -	Other Components	50.	ND	U

GC/TPH - PAGE

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

Project ID : X175
Sample ID : X180
Matrix : WATER
Date Sampled : 1/28/94
Date Analyzed : 2/ 1/94
Instrument ID : HP21

Anametrix ID : 9401369-0
Lab File ID : FPJ36904
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	ND	U
- -	Other Components	50.	ND	U

GC/TPH - PAGE

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

Project ID	: 244	Anametrix ID	: 9401369-0
Sample ID	: X175	Lab File ID	: FPJ36901
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 1/28/94		
Date Extracted	: 1/28/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 2/ 5/94	Dilution Factor	: 5.0
Instrument ID	: HP19	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	500.	740.	J
4444-44-4	MOTOR OIL	500.	7500.	J

All chgs
s.c 4/25/94

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

Project ID : 244
Sample ID : X177
Matrix : WATER
Date Sampled : 1/28/94
Date Extracted : 1/28/94
Amount Extracted : 1000.0 mL
Date Analyzed : 2/ 5/94
Instrument ID : HP19

Anametrix ID : 9401369-0
Lab File ID : FPJ36902
% Moisture : 100.

Dilution Factor : 50.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	5000.	ND	U J
4444-44-4	MOTOR OIL	5000.	66000.	J

All chaps
s.c 4/25/94

GC/TPH - PAGE

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

Project ID	: 244	Anametrix ID	: 9401369-0
Sample ID	: X179	Lab File ID	: FPJ36903
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 1/28/ 0		
Date Extracted	: 2/ 2/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 2/ 5/94	Dilution Factor	: 1.0
Instrument ID	: HP19	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U J
4444-44-4	MOTOR OIL	100.	ND	U J

All chgs
s.c 4/24/94

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

Project ID	: 244	Anametrix ID	: 9401369-03
Sample ID	: X179 RE	Lab File ID	: FXJ36903
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 1/28/94		
Date Extracted	: 2/ 7/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 2/10/94	Dilution Factor	: 1.0
Instrument ID	: HP19	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U J
4444-44-4	MOTOR OIL	100.	65.	J

All changes
J.L 4/25/94

GC/TPH - PAGE

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ANALYSIS DATA SHEET - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1
ANAMETRIX LABORATORIES (408) 432-8192

Project # : 244
Matrix : WATER
Date sampled : 01/28/94
Date ext. : 01/31/94
Date analyzed : 01/31/94

Anametrix I.D. : 01369
Analyst : HG
Supervisor : Chr
Date released : 02/01/94

Workorder #	Sample I.D.	Reporting Limit (mg/L)	Amount Found (mg/L)
01369-01	X175	2	4.5
01369-02	X177	10	37
01369-03	X179	1	ND
BJ3111WK	X175P1	1	ND

ND - Not detected above the reporting limit for the method.

Reference - Methods for Chemical Analysis of Water and Wastes, 3rd edition, US EPA-600/4-79-020, March 1983.

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

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SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix
QA Reviewer:	Sandra Obleas, S-Cubed
Review Date:	April 13, 1994
SDG Number:	9350A148
Work Order Number:	9312253
Sample No(s).:	9350A148 and 9350A149
Analyses:	Non-CLP TPH Gasoline, TPH Diesel and TRPH
Matrix:	Water/ Oil
Collection Date:	December 17, 1993

QC Criteria Reviewed:
Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC in this SDG - none.

I. Holding Times

A. Per the lab narrative, TPH Diesel sample 9350A149 was not extracted.

II. Surrogate Recovery

A. Per the lab narrative, TPH Diesel surrogate (C25) was not analyzed since sample 9350A149 was not extracted.

B. Due to surrogate recovery problems, the following detected and non-detected analytes are estimated (J and UJ):

- TPH Diesel in sample 9350A148.

The following TPH Diesel surrogate (C25) was outside the QC limits of 40-140%:

Sample ID	%R
9350A148	33%

III. Matrix Spike/ Matrix Spike Duplicate

A. TPH Diesel MS/MSD analyses were reported from another client's sample package. Percent recoveries and RPD were within QC limits.

IV. Blank Spike or LCS

A. Per the lab narrative, the TPH Diesel LCSD (8%) and the RPD (164%) were outside the QC limits due to an error in the addition of spike solution.

V. Case Assessment

A. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for any purpose. Based upon the cursory data validation, all other results are considered valid and usable for all purposes.

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

Project ID : 276
Sample ID : A148
Matrix : WATER
Date Sampled :12/17/93
Date Analyzed :12/27/93
Instrument ID : HP21

Anametrix ID : 9312253-01
Analyst : RD
Supervisor : CB

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	500.	ND	U
- -	Other Components	500.	ND	U

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

Project ID	: 276	Anametrix ID	: 9312253-02
Sample ID	: A149	Analyst	: RD
Matrix	: WATER	Supervisor	: CS
Date Sampled	: 2/17/93		
Date Analyzed	:12/30/93	Dilution Factor	: 20000.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	1000000.	2700000.	
- -	Other Components	1000000.	ND	U

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

Project ID : 276
Sample ID : A148
Matrix : WATER
Date Sampled :12/17/93
Date Extracted :12/22/93
Amount Extracted : 1000.0 mL
Date Analyzed :12/30/93
Instrument ID : HP9

Anametrix ID : 9312253-01
Analyst : KK
Supervisor : cs

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	500.	ND	~~U~~ UJ
2222-22-2	KEROSENE	500.	ND	U
4444-44-4	MOTOR OIL	500.	ND	U
5555-55-5	JP-5	500.	ND	U
- -	OTHER COMPONENTS	500.	ND	U

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

Project ID : 276
Sample ID : A149
Matrix : WATER
Date Sampled : 2/17/93
Date Extracted : 0/ 0/ 0
Amount Extracted : 1000.0 mL
Date Analyzed :12/30/93
Instrument ID : HP9

Anametrix ID : 9312253-02
Analyst : KK
Supervisor : cs

Dilution Factor : 100.0
Conc. Units : mg/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	50000.	240000.	
2222-22-2	KEROSENE	50000.	ND	U
4444-44-4	MOTOR OIL	50000.	ND	U
5555-55-5	JP-5	50000.	ND	U
- -	OTHER COMPONENTS	50000.	ND	U

ANALYSIS DATA SHEET - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1
ANAMETRIX LABORATORIES (408) 432-8192

Project # : 276
Matrix : LIQUID
Date sampled : 02/17/93
Date ext. : 12/27/93
Date analyzed : 12/27/93

Anametrix I.D. : 12253
Analyst : HE
Supervisor : CM
Date released : 12/28/93

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
12253-02	A149	45000	1,200,000
12253-02	A149DU	45000	1,200,000
BD27P1WK	A148P1	9000	ND

ND - Not detected above the reporting limit for the method.

Reference - Methods for Chemical Analysis of Water and Wastes, 3rd edition, US EPA-600/4-79-020, March 1983.

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

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix
QA Reviewer:	Sandra Obleas, S-Cubed
Review Date:	April 7, 1994
SDG Number:	9350A145
Work Order Number:	9312276
Sample No(s).:	9350A145 through 9350A147
Analyses:	Non-CLP TPH Diesel
Matrix:	Water
Collection Date:	December 17, 1993

QC Criteria Reviewed:
Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC in this SDG - none.

I. Holding Times

A. Per the lab narrative, the TPH Diesel samples were pure products and therefore, were not extracted.

II. Matrix Spike/ Matrix Spike Duplicate

A. Per the lab narrative, pure products analyzed by Anametrix standard procedures do not include MS/MSD analysis. Accuracy and precision could not be evaluated.

III. Blank Spike or LCS

A. Blank spike analysis was not performed for TPH Diesel. Accuracy could not be evaluated.

IV. Case Assessment

A. The quality control criteria were met for all sample results for non-CLP TPH diesel analyses. Based upon the cursory data validation, all results are considered valid and usable for all purposes.

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

Project ID : 142
Sample ID : A145
Matrix : WATER
Date Sampled :12/17/93
Date Extracted : 0/ 0/ 0
Amount Extracted : 1.0 mL
Date Analyzed : 1/ 5/94
Instrument ID : HP9

Anametrix ID : 9312276-01
Analyst : TS
Supervisor : CB

Dilution Factor : 1.0
Conc. Units : mg/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	500.	950000.	
2222-22-2	KEROSENE	500.	ND	U
4444-44-4	MOTOR OIL	500.	ND	U
5555-55-5	JP-5	500.	ND	U
- -	OTHER COMPONENTS	500.	ND	U

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

Project ID : 142
Sample ID : A146
Matrix : WATER
Date Sampled :12/17/93
Date Extracted : 0/ 0/ 0
Amount Extracted : 1.0 mL
Date Analyzed : 1/ 5/94
Instrument ID : HP9

Anametrix ID : 9312276-02
Analyst : IS
Supervisor : CS

Dilution Factor : 1.0
Conc. Units : mg/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	500.	610000.	
2222-22-2	KEROSENE	500.	ND	U
4444-44-4	MOTOR OIL	500.	ND	U
5555-55-5	JP-5	500.	ND	U
- -	OTHER COMPONENTS	500.	ND	U

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

Project ID : 142
Sample ID : A147
Matrix : WATER
Date Sampled :12/17/93
Date Extracted : 0/ 0/ 0
Amount Extracted : 1.0 mL
Date Analyzed : 1/ 4/94
Instrument ID : HP9

Anametrix ID : 9312276-03
Analyst : IS
Supervisor : cb

Dilution Factor : 1.0
Conc. Units : mg/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	500.	600000.	
2222-22-2	KEROSENE	500.	ND	U
4444-44-4	MOTOR OIL	500.	ND	U
5555-55-5	JP-5	500.	ND	U
- -	OTHER COMPONENTS	500.	ND	U

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix
QA Reviewer:	Sandra Obleas, S-Cubed
Review Date:	March 23, 1994
SDG Number:	9350A132
Work Order Number:	9312208
Sample No(s).:	9350A132, 9350A133, 9350A137, 9350A138, 9350X103 through 9350X106.
Analyses:	CLP Volatile, Semivolatiles, Pesticides/PCBs, Inorganics and Cyanide; Non-CLP 8010/8020, TRPH, Anions (Chloride, Nitrate, Sulfate, Phosphate), Chromium VI, TDS and Chlorinated Herbicides (8150).
Matrix:	Water
Collection Date:	December 16-17, 1993

QC Criteria Reviewed:

CLP Organic: Holding times from date of sample collection; initial and continuing calibration(s); field, method, and instrument blanks; surrogate recoveries; laboratory control samples; matrix spike/matrix spike duplicate analysis; internal standard performance; and overall assessment for the SDG.

CLP Inorganics: Holding times from date of sample collection; initial and continuing calibration(s); field, preparation, and calibration blanks; laboratory control samples; duplicate sample analysis; matrix spike analysis; ICP serial dilution; and overall assessment for the SDG.

Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to EPA draft documents "National Functional Guidelines for Organic Data Review" (June 1991), "Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses" (July 1988) and in addition the PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC in this SDG - 9350A138 (Equipment Blank); 9350A137 and 9350X106 (Trip Blanks).

I. Holding Times

A. Due to holding time problems, the following detected and non-detected results are qualified as estimated (J / UJ):

- Phosphate and Chromium VI in sample 9350X104.

The following holding times for the listed analyses and extractions were exceeded:

Analysis/Extraction	Sample	Holding Time Exceeded by
Phosphate analysis (48 hours)	9350X104	2 days
Chromium VI analysis (24 hours)	9350X104	2 days

II. Blank Contamination

A. Due to laboratory blank contamination, the results for the following analytes are considered non-detected (U):

- Acetone in samples 9350A132 and 9350X104.
- Bis(2-ethylhexyl)phthalate in samples 9350A132, 9350A138 and 9350X104.

Bis(2-ethylhexyl)phthalate was detected in the method blank and sample results < 10x the maximum blank contamination are qualified.

Common laboratory contaminant, Acetone, was found at low levels (<5x CRQL) for the above samples.

B. Due to laboratory blank contamination, the results for the following analytes are considered non-detected (U):

- Aluminum in samples 9350A132 and 9350A138.
- Beryllium in samples 9350A133 and 9350X105.
- Cadmium in sample 9350A132.
- Calcium, Cyanide, Magnesium, Manganese, Sodium in sample 9350A138.
- Iron in samples 9350A138 and 9350X104.
- Lead (F) in samples 9350A132 and 9350X105.
- Zinc in samples 9350A132, 9350A138, 9350X104, and 9350X105.

The metals were detected in the prep, continuing and equipment blanks. The highest concentrations are noted below in ug/L.

Blank Contaminant	Concentration
Aluminum	17.829
Beryllium	0.5
Cadmium	1.5
Calcium	831.0
Cyanide	0.10
Iron	22.9
Lead (F)	-2.0
Magnesium	651.0
Manganese	1.7
Molybdenum	6.604
Sodium	5300.0
Thallium	-4.0
Zinc	19.633

Detected sample results < 5x the maximum blank contamination were qualified. The data were not affected by: molybdenum, and thallium.

III. Surrogate Recovery

A. Per the PRC memo dated 1/21/94, TCX QC limits are 45-150% for pesticide fraction provided LCS is within acceptance criteria.

B. Due to surrogate recovery problems, the following detected analytes are estimated (J) and no action is taken on the non-detected results:

- CLP Pesticide/PCB analytes in samples 9350A138 and 9350X104.

The following CLP Pesticide/PCB surrogates were outside the QC limits (TCX 45-150% and DCB 60-150%):

Sample ID	TCX %R (col. 1)	TCX %R (col. 2)	DCB %R (col. 1)	DCB %R (col. 2)
9350A138	56%	58%	*55%*	*58%*
9350X104	*189%*	*180%*	60%	64%

C. Due to surrogate recovery problems, the following detected and non-detected analytes are estimated (J and UJ):

- CLP Pesticide/PCB analytes in sample 9350A132.
- 8010 analytes in sample 9350A132.

The following CLP Pesticide/PCB surrogates were outside the QC limits (TCX 45-150% and DCB 60-150%):

Sample ID	TCX %R (col. 1)	TCX %R (col. 2)	DCB %R (col. 1)	DCB %R (col. 2)
9350A132	*181%*	64%	*39%*	*42%*

Bromochloromethane surrogate recovery (68%) was outside the QC limits of 75-125% for sample 9350A132.

IV. Matrix Spike/ Matrix Spike Duplicate

A. MS/MSD semivolatile and pesticide analyses were not performed. Blank spikes were analyzed instead.

B. Matrix spike sample 9350X104 had RPDs for chloride (0.8) and sulfate (0.5) that do not compare with the calculated RPDs reported on cursory MS/MSD worksheet (Form 6.1), 2.1 and 1.5, respectively. QC criteria are met and qualifications are not made.

V. Blank Spike or LCS

A. The blank spike duplicate for chlorinated herbicide had a recovery for dinoseb (35%) below the 50-130% criteria. However, since surrogates were acceptable, qualifications were not made.

VI. Calibration

A. Due to continuing calibration problems, the following detected analytes are considered estimated (J) and no action is taken on the non-detected results:

- Bromomethane in samples 9350A132, 9350A137, 9350A138, 9350X104 and 9350X106.
- 2,2'-Oxybis(1-chloropropane) in samples 9350A132, 9350A138 and 9350X104.
- Di-n-octylphthalate in samples 9350A138 and 9350X104.
- Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene in sample 9350A132.

The following continuing calibrations percent differences (%D) > 25% < 50%:

Date	Compound	%D
12-22-93 (0903)	Bromomethane	-27.8
01-03-94 (1032)	2,2'-oxybis(1-chloropropane)	29.9
	Di-n-octylphthalate	39.1
01-08-94 (0451)	2,2'-oxybis(1-chloropropane)	32.3
	Hexachlorocyclopentadiene	32.8
	Indeno(1,2,3-cd)pyrene	31.9
	Dibenz(a,h)anthracene	28.1
	Benzo(g,h,i)perylene	36.1

B. Initial calibration dated 12-21-93 for column RTx-1701 had a %RSD for methoxychlor (20.1%) greater than 20% QC criteria. However, up to two single component pesticides may have a %RSD > 20% but $\leq$ 30%. Qualifications were not made on this basis.

C. Percent recoveries for potassium (111.1%) and thallium (89.8%) did not meet the 90-110% QC limits. However, samples were rerun for potassium and the thallium standard was run at the end of a sequence. Qualifications were not made since samples are not affected.

VII. Internal Standards

A. Due to internal standard problems, the results for the following detected and non-detected analytes are considered estimated (J / UJ):

- CLP Semivolatile compounds quantitated using perylene-d12 in sample 9350A132.
- CLP Semivolatile compounds quantitated using chrysene-d12 in samples 9350A132, and 9350X104.

Due to severe internal standard problems, the results for the following detected results are estimated (J) and the non-detected results are rejected (R):

- CLP Semivolatile compounds quantitated using perylene-d12 in sample 9350X104.

The internal standards that did not meet criteria is listed below.

Sample	Internal Standard	Area	QC Limits
9350A132	perylene-d12	29539	42839 - 171354
	chrysene-d12	55229	75605 - 302420
9350X104	perylene-d12	24340	54900 - 219598
	chrysene-d12	38389	64083 - 256330

VIII. Case Assessment

A. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for any purpose. Based upon the cursory data validation, all other results are considered valid and usable for all purposes.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPD20801

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: not dec._____ Date Analyzed: 12/22/93

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	13.	u
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A137

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPD20803

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: not dec._____ Date Analyzed: 12/22/93

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A138

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPD20804

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: not dec._____ Date Analyzed: 12/22/93

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPD20806

Level: (low/med) LOW Date Received: 12/17/93

% Moisture: not dec._____ Date Analyzed: 12/22/93

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	16.	u
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPD20808

Level: (low/med) LOW Date Received: 12/17/93

% Moisture: not dec._____ Date Analyzed: 12/22/93

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRD20801

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/08/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	20.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U
95-57-8	2-Chlorophenol	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U
95-48-7	2-Methylphenol	20.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	20.	U
106-44-5	4-Methylphenol	20.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	U
67-72-1	Hexachloroethane	20.	U
98-95-3	Nitrobenzene	20.	U
78-59-1	Isophorone	20.	U
88-75-5	2-Nitrophenol	20.	U
105-67-9	2,4-Dimethylphenol	20.	U
111-91-1	bis(2-Chloroethoxy)methane	20.	U
120-83-2	2,4-Dichlorophenol	20.	U
120-82-1	1,2,4-Trichlorobenzene	20.	U
91-20-3	Naphthalene	12.	J
106-47-8	4-Chloroaniline	20.	U
87-68-3	Hexachlorobutadiene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U
91-57-6	2-Methylnaphthalene	42.	
77-47-4	Hexachlorocyclopentadiene	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	20.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	20.	U
208-96-8	Acenaphthylene	20.	U
606-20-2	2,6-Dinitrotoluene	20.	U
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	20.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRD20801

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/08/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	50.	U	
100-02-7	4-Nitrophenol	50.	U	
132-64-9	Dibenzofuran	20.	U	
121-14-2	2,4-Dinitrotoluene	20.	U	
84-66-2	Diethylphthalate	20.	U	
7005-72-3	4-Chlorophenyl-phenylether	20.	U	
86-73-7	Fluorene	20.	U	
100-01-6	4-Nitroaniline	50.	U	
534-52-1	4,6-Dinitro-2-methylphenol	50.	U	
86-30-6	N-Nitrosodiphenylamine (1)	12.	J	
101-55-3	4-Bromophenyl-phenylether	20.	U	
118-74-1	Hexachlorobenzene	20.	U	
87-86-5	Pentachlorophenol	50.	U	
85-01-8	Phenanthrene	20.	U	
120-12-7	Anthracene	20.	U	
86-74-8	Carbazole	20.	U	
84-74-2	Di-n-butylphthalate	20.	U	
206-44-0	Fluoranthene	20.	U	
129-00-0	Pyrene	20.	U	UJ
85-68-7	Butylbenzylphthalate	20.	U	
91-94-1	3,3'-Dichlorobenzidine	20.	U	
56-55-3	Benzo(a)anthracene	20.	U	
218-01-9	Chrysene	20.	U	UJ
117-81-7	bis(2-Ethylhexyl)phthalate	92.	B	U
117-84-0	Di-n-octylphthalate	20.	U	UJ
205-99-2	Benzo(b)fluoranthene	20.	U	
207-08-9	Benzo(k)fluoranthene	20.	U	
50-32-8	Benzo(a)pyrene	20.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	20.	U	
53-70-3	Dibenz(a,h)anthracene	20.	U	
191-24-2	Benzo(g,h,i)perylene	20.	U	UJ

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132 RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MTD20801

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/08/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	20.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U
95-57-8	2-Chlorophenol	20.	U
541-73-1	1,3-Dichlorobenzene	20.	U
106-46-7	1,4-Dichlorobenzene	20.	U
95-50-1	1,2-Dichlorobenzene	20.	U
95-48-7	2-Methylphenol	20.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	20.	U
106-44-5	4-Methylphenol	20.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	U
67-72-1	Hexachloroethane	20.	U
98-95-3	Nitrobenzene	20.	U
78-59-1	Isophorone	20.	U
88-75-5	2-Nitrophenol	20.	U
105-67-9	2,4-Dimethylphenol	20.	U
111-91-1	bis(2-Chloroethoxy)methane	20.	U
120-83-2	2,4-Dichlorophenol	20.	U
120-82-1	1,2,4-Trichlorobenzene	20.	U
91-20-3	Naphthalene	12.	J
106-47-8	4-Chloroaniline	20.	U
87-68-3	Hexachlorobutadiene	20.	U
59-50-7	4-Chloro-3-methylphenol	20.	U
91-57-6	2-Methylnaphthalene	43.	
77-47-4	Hexachlorocyclopentadiene	20.	U
88-06-2	2,4,6-Trichlorophenol	20.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	20.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	20.	U
208-96-8	Acenaphthylene	20.	U
606-20-2	2,6-Dinitrotoluene	20.	U
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	20.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132	RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MTD20801

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/08/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	50.	U	
100-02-7	4-Nitrophenol	50.	U	
132-64-9	Dibenzofuran	20.	U	
121-14-2	2,4-Dinitrotoluene	20.	U	
84-66-2	Diethylphthalate	20.	U	
7005-72-3	4-Chlorophenyl-phenylether	20.	U	
86-73-7	Fluorene	20.	U	
100-01-6	4-Nitroaniline	50.	U	
534-52-1	4,6-Dinitro-2-methylphenol	50.	U	
86-30-6	N-Nitrosodiphenylamine (1)	12.	J	
101-55-3	4-Bromophenyl-phenylether	20.	U	
118-74-1	Hexachlorobenzene	20.	U	
87-86-5	Pentachlorophenol	50.	U	
85-01-8	Phenanthrene	20.	U	
120-12-7	Anthracene	20.	U	
86-74-8	Carbazole	20.	U	
84-74-2	Di-n-butylphthalate	20.	U	
206-44-0	Fluoranthene	20.	U	UJ
129-00-0	Pyrene	20.	U	
85-68-7	Butylbenzylphthalate	20.	U	
91-94-1	3,3'-Dichlorobenzidine	20.	U	
56-55-3	Benzo(a)anthracene	20.	U	UJ
218-01-9	Chrysene	20.	U	
117-81-7	bis(2-Ethylhexyl)phthalate	99.	B	99 U
117-84-0	Di-n-octylphthalate	20.	U	UJ
205-99-2	Benzo(b)fluoranthene	20.	U	
207-08-9	Benzo(k)fluoranthene	20.	U	
50-32-8	Benzo(a)pyrene	20.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	20.	U	
53-70-3	Dibenz(a,h)anthracene	20.	U	
191-24-2	Benzo(g,h,i)perylene	20.	U	UJ

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A138

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPD20804

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/03/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A138

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPD20804

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/03/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	~~3.~~	~~BJ~~ 10 u
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPD20806

Level: (low/med) LOW Date Received: 12/17/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/03/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	8.	J
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	28.	
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	69.	
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPD20806

Level: (low/med) LOW Date Received: 12/17/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/03/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	12.	
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	51.	~~B~~
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

UJ — UJ UR — R

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104 RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRD20806

Level: (low/med) LOW Date Received: 12/17/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/08/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	8.	J
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	27.	
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	55.	
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104	RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRD20806

Level: (low/med) LOW Date Received: 12/17/93

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/19/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/08/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
51-28-5	2,4-Dinitrophenol	25.	U	
100-02-7	4-Nitrophenol	25.	U	
132-64-9	Dibenzofuran	10.	U	
121-14-2	2,4-Dinitrotoluene	10.	U	
84-66-2	Diethylphthalate	10.	U	
7005-72-3	4-Chlorophenyl-phenylether	10.	U	
86-73-7	Fluorene	10.	U	
100-01-6	4-Nitroaniline	25.	U	
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	
86-30-6	N-Nitrosodiphenylamine (1)	10.		
101-55-3	4-Bromophenyl-phenylether	10.	U	
118-74-1	Hexachlorobenzene	10.	U	
87-86-5	Pentachlorophenol	25.	U	
85-01-8	Phenanthrene	10.	U	
120-12-7	Anthracene	10.	U	
86-74-8	Carbazole	10.	U	
84-74-2	Di-n-butylphthalate	10.	U	
206-44-0	Fluoranthene	10.	U	
129-00-0	Pyrene	10.	U	UJ
85-68-7	Butylbenzylphthalate	10.	U	
91-94-1	3,3'-Dichlorobenzidine	10.	U	
56-55-3	Benzo(a)anthracene	10.	U	UJ
218-01-9	Chrysene	10.	U	
117-81-7	bis(2-Ethylhexyl)phthalate	37.	~~B~~	U
117-84-0	Di-n-octylphthalate	10.	U	UJ
205-99-2	Benzo(b)fluoranthene	10.	U	
207-08-9	Benzo(k)fluoranthene	10.	U	
50-32-8	Benzo(a)pyrene	10.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	
53-70-3	Dibenz(a,h)anthracene	10.	U	
191-24-2	Benzo(g,h,i)perylene	10.	U	UJ

(1) - Cannot be separated from diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: EPD20801

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/16/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/20/93

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 12/27/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor Epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin Ketone	.10	U
7421-93-4	Endrin Aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

UJ

UJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132 RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: ERD20801

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/16/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/29/93

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 01/03/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	
319-86-8	delta-BHC	.050	
58-89-9	gamma-BHC	.050	
76-44-8	Heptachlor	.050	
309-00-2	Aldrin	.050	
1024-57-3	Heptachlor Epoxide	.050	
959-98-8	Endosulfan I	.050	
60-57-1	Dieldrin	.10	
72-55-9	4,4'-DDE	.10	
72-20-8	Endrin	.10	
33213-65-9	Endosulfan II	.10	
72-54-8	4,4'-DDD	.10	
1031-07-8	Endosulfan Sulfate	.10	
50-29-3	4,4'-DDT	.10	
72-43-5	Methoxychlor	.50	
53494-70-5	Endrin Ketone	.10	
7421-93-4	Endrin Aldehyde	.10	
5103-71-9	alpha-Chlordane	.050	
5103-74-2	gamma-Chlordane	.050	
8001-35-2	Toxaphene	5.0	
12674-11-2	Aroclor-1016	1.0	
11104-28-2	Aroclor-1221	2.0	
11141-16-5	Aroclor-1232	1.0	
53469-21-9	Aroclor-1242	1.0	
12672-29-6	Aroclor-1248	1.0	
11097-69-1	Aroclor-1254	1.0	
11096-82-5	Aroclor-1260	1.0	U

UJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A138

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: EPD20804

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/16/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/20/93

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 12/27/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor Epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin Ketone	.10	U
7421-93-4	Endrin Aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A138	RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: ERD20804

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/16/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/29/93

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 01/03/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
319-84-6	alpha-BHC	.050	U	UJ
319-85-7	beta-BHC	.050	U	
319-86-8	delta-BHC	.050	U	
58-89-9	gamma-BHC	.050	U	
76-44-8	Heptachlor	.050	U	
309-00-2	Aldrin	.050	U	
1024-57-3	Heptachlor Epoxide	.050	U	
959-98-8	Endosulfan I	.050	U	
60-57-1	Dieldrin	.10	U	
72-55-9	4,4'-DDE	.10	U	
72-20-8	Endrin	.10	U	
33213-65-9	Endosulfan II	.10	U	
72-54-8	4,4'-DDD	.10	U	
1031-07-8	Endosulfan Sulfate	.10	U	
50-29-3	4,4'-DDT	.10	U	
72-43-5	Methoxychlor	.50	U	
53494-70-5	Endrin Ketone	.10	U	
7421-93-4	Endrin Aldehyde	.10	U	
5103-71-9	alpha-Chlordane	.050	U	
5103-74-2	gamma-Chlordane	.050	U	
8001-35-2	Toxaphene	5.0	U	
12674-11-2	Aroclor-1016	1.0	U	
11104-28-2	Aroclor-1221	2.0	U	
11141-16-5	Aroclor-1232	1.0	U	
53469-21-9	Aroclor-1242	1.0	U	
12672-29-6	Aroclor-1248	1.0	U	
11097-69-1	Aroclor-1254	1.0	U	
11096-82-5	Aroclor-1260	1.0	U	UJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: EPD20806

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/17/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/20/93

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 12/28/93

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor Epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin Ketone	.10	U
7421-93-4	Endrin Aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104 RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: ERD20806

% Moisture: _____ decanted: (Y/N)___ Date Received: 12/17/93

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/29/93

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 01/03/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
319-84-6	alpha-BHC	.050	U	UJ
319-85-7	beta-BHC	.050	U	
319-86-8	delta-BHC	.050	U	
58-89-9	gamma-BHC	.050	U	
76-44-8	Heptachlor	.050	U	
309-00-2	Aldrin	.050	U	
1024-57-3	Heptachlor Epoxide	.050	U	
959-98-8	Endosulfan I	.050	U	
60-57-1	Dieldrin	.10	U	
72-55-9	4,4'-DDE	.10	U	
72-20-8	Endrin	.10	U	
33213-65-9	Endosulfan II	.10	U	
72-54-8	4,4'-DDD	.10	U	
1031-07-8	Endosulfan Sulfate	.10	U	
50-29-3	4,4'-DDT	.10	U	
72-43-5	Methoxychlor	.50	U	
53494-70-5	Endrin Ketone	.10	U	
7421-93-4	Endrin Aldehyde	.10	U	
5103-71-9	alpha-Chlordane	.050	U	
5103-74-2	gamma-Chlordane	.050	U	
8001-35-2	Toxaphene	5.0	U	
12674-11-2	Aroclor-1016	1.0	U	
11104-28-2	Aroclor-1221	2.0	U	
11141-16-5	Aroclor-1232	1.0	U	
53469-21-9	Aroclor-1242	1.0	U	
12672-29-6	Aroclor-1248	1.0	U	
11097-69-1	Aroclor-1254	1.0	U	
11096-82-5	Aroclor-1260	1.0	U	UJ

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

A132

Lab Name: ANAMETRIX INC

Contract: 000000

Lab Code: ANAMET

Case No.: 142

SAS No.: 000000

SDG No.: A132

Matrix (soil/water): WATER

Lab Sample ID: 12208-01

Level (low/med): LOW

Date Received: 12/16/93

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11.4	B		P	u
7440-36-0	Antimony	22.0	U		P	
7440-38-2	Arsenic	3.3	U		F	
7440-39-3	Barium	312			P	
7440-41-7	Beryllium	0.20	U		P	
7440-43-9	Cadmium	1.6	B		P	u
7440-70-2	Calcium	11200			P	
7440-47-3	Chromium	2.5	U		P	
7440-48-4	Cobalt	2.5	U		P	
7440-50-8	Copper	1.6	U		P	
	Cyanide	0.08	U		C	
7439-89-6	Iron	6.3	U		P	
7439-92-1	Lead-GF	2.0	B	W	F	u
7439-95-4	Magnesium	73200			P	
7439-96-5	Manganese	19.9			P	
7439-97-6	Mercury	0.10	B		CV	
7439-98-7	Molybdenum	4.6	U		P	
7440-02-0	Nickel	50.5			P	
7440-09-7	Potassium	3470	B		P	
7782-49-2	Selenium	2.7	U		F	
7440-22-4	Silver	2.4	U		P	
7440-23-5	Sodium	73600			P	
7440-28-0	Thallium	2.1	U		F	
7440-62-2	Vanadium	4.1	U		P	
7440-66-6	Zinc	3.5	B		P	u

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

A133

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: A132

Matrix (soil/water): WATER Lab Sample ID: 12208-02

Level (low/med): LOW Date Received: 12/16/93

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5760			P
7440-36-0	Antimony	22.0	U		P
7440-38-2	Arsenic	3.3	U	W	F
7440-39-3	Barium	505			P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	44600			P
7440-47-3	Chromium	1750			P
7440-48-4	Cobalt	296			P
7440-50-8	Copper	35.1			P
	Cyanide				
7439-89-6	Iron	102000			P
7439-92-1	Lead-GF	1.1	U		F
7439-95-4	Magnesium	706000			P
7439-96-5	Manganese	2120			P
7439-97-6	Mercury	1.1			CV
7439-98-7	Molybdenum	4.6	U		P
7440-02-0	Nickel	6230			P
7440-09-7	Potassium	3360	B		P
7782-49-2	Selenium	27.0	U		F
7440-22-4	Silver	2.4	U		P
7440-23-5	Sodium	70200			P
7440-28-0	Thallium	21.0	U		F
7440-62-2	Vanadium	68.0			P
7440-66-6	Zinc	117			P

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Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

A138

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: A132

Matrix (soil/water): WATER Lab Sample ID: 12208-04

Level (low/med): LOW Date Received: 12/16/93

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14.4	B		P	u
7440-36-0	Antimony	22.0	U		P	
7440-38-2	Arsenic	3.3	U		F	
7440-39-3	Barium	7.2	U		P	
7440-41-7	Beryllium	0.20	U		P	
7440-43-9	Cadmium	1.2	U		P	
7440-70-2	Calcium	831	B		P	u
7440-47-3	Chromium	2.5	U		P	
7440-48-4	Cobalt	2.5	U		P	
7440-50-8	Copper	1.6	U		P	
	Cyanide	0.10	B		C	u
7439-89-6	Iron	22.9	B		P	u
7439-92-1	Lead-GF	1.1	U		F	
7439-95-4	Magnesium	651	B		P	u
7439-96-5	Manganese	1.7	B		P	u
7439-97-6	Mercury	0.10	U		CV	
7439-98-7	Molybdenum	4.6	U		P	
7440-02-0	Nickel	6.8	U		P	
7440-09-7	Potassium	610	U		P	
7782-49-2	Selenium	2.7	U		F	
7440-22-4	Silver	2.4	U		P	
7440-23-5	Sodium	5300			P	u
7440-28-0	Thallium	2.1	U		F	
7440-62-2	Vanadium	4.1	U		P	
7440-66-6	Zinc	3.7	B		P	u

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

__X104

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: A132

Matrix (soil/water): WATER Lab Sample ID: 12208-06

Level (low/med): LOW Date Received: 12/17/93

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11.0	U		P	
7440-36-0	Antimony	22.0	U		P	
7440-38-2	Arsenic	3.3	U	W	F	
7440-39-3	Barium	191	B		P	
7440-41-7	Beryllium	0.20	U		P	
7440-43-9	Cadmium	1.2	U		P	
7440-70-2	Calcium	16000			P	
7440-47-3	Chromium	2.5	U		P	
7440-48-4	Cobalt	2.5	U		P	
7440-50-8	Copper	2.4	B		P	
	Cyanide	0.08	U		C	
7439-89-6	Iron	45.0	B		P	u
7439-92-1	Lead-GF	1.1	U		F	
7439-95-4	Magnesium	67200			P	
7439-96-5	Manganese	27.5			P	
7439-97-6	Mercury	0.10	U		CV	
7439-98-7	Molybdenum	4.6	U		P	
7440-02-0	Nickel	27.7	B		P	
7440-09-7	Potassium	4530	B		P	
7782-49-2	Selenium	2.7	U	W	F	
7440-22-4	Silver	2.4	U		P	
7440-23-5	Sodium	74500			P	
7440-28-0	Thallium	2.1	U		F	
7440-62-2	Vanadium	4.1	U		P	
7440-66-6	Zinc	1.5	B		P	u

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

__X105

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: A132

Matrix (soil/water): WATER Lab Sample ID: 12208-07

Level (low/med): LOW Date Received: 12/17/93

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3540			P	
7440-36-0	Antimony	22.0	U		P	
7440-38-2	Arsenic	3.4	B		F	
7440-39-3	Barium	244			P	
7440-41-7	Beryllium	0.20	B		P	u
7440-43-9	Cadmium	1.2	U		P	
7440-70-2	Calcium	23600			P	
7440-47-3	Chromium	1340			P	
7440-48-4	Cobalt	247			P	
7440-50-8	Copper	43.5			P	
	Cyanide					
7439-89-6	Iron	89200			P	
7439-92-1	Lead-GF	4.8		W	F	u
7439-95-4	Magnesium	637000			P	
7439-96-5	Manganese	1930			P	
7439-97-6	Mercury	0.52			CV	
7439-98-7	Molybdenum	4.6	U		P	
7440-02-0	Nickel	5090			P	
7440-09-7	Potassium	4180	B		P	
7782-49-2	Selenium	27.0	U		F	
7440-22-4	Silver	2.4	U		P	
7440-23-5	Sodium	71200			P	
7440-28-0	Thallium	21.0	U	W	F	
7440-62-2	Vanadium	64.2			P	
7440-66-6	Zinc	92.0			P	u

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: HRD20801

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: not dec._____ Date Analyzed: 12/20/93

GC Column: RTx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A132

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: A132

Matrix: (soil/water) WATER Lab Sample ID: 9312208-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: PRD20801

Level: (low/med) LOW Date Received: 12/16/93

% Moisture: not dec._____ Date Analyzed: 12/20/93

GC Column: RTx-502. ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
78-93-3	2-Butanone	5.	U
71-43-2	Benzene	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Total xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U

ANALYSIS DATA SHEET - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1
ANAMETRIX LABORATORIES (408) 432-8192

Project # : 142
Matrix : WATER
Date sampled : 12/16&17/93
Date ext. : 12/23/93
Date analyzed : 12/23/93

Anametrix I.D. : 9312208
Analyst : HE
Supervisor : CM
Date released : 12/28/93

Workorder #	Sample I.D.	Reporting Limit (mg/L)	Amount Found (mg/L)
12208-01	A132	10	25
12208-04	A138	1	ND
12208-05	X103	1	2.6
12208-06	X104	10	58
BD2311WK	A132P1	1	ND

ND - Not detected above the reporting limit for the method.

Reference - Methods for Chemical Analysis of Water and Wastes, 3rd edition, US EPA-600/4-79-020, March 1983.

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

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

Anametrix I.D.: 9312208-01
Client I.D. : A132
Project I.D. : 142
Matrix : WATER
Reporting Unit: mg/L

Date Sampled : 12/16/93
Analyst : [illegible]
Supervisor : MN
Date Released : 01/10/94
Instrument I.D. : IC1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	REPORT LIMIT	DIL. FACTOR	RESULT	Q
Chloride-300.0	12/29/93	12/29/93	10.0	250	193	
Nitrate-300.0	12/17/93	12/17/93	0.040	2	0.090	
Phosphate-300.0	12/17/93	12/17/93	0.12	2	ND	
Sulfate-300.0	12/17/93	12/17/93	0.10	2	9.6	

COMMENT:

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

Anametrix I.D.: 9312208-04
Client I.D. : A138
Project I.D. : 142
Matrix : WATER
Reporting Unit: mg/L

Date Sampled : 12/16/93
Analyst : [illegible]
Supervisor : MN
Date Released : 01/10/94
Instrument I.D. : IC1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	REPORT LIMIT	DIL. FACTOR	RESULT	Q
Chloride-300.0	12/17/93	12/17/93	0.040	1	ND	
Nitrate-300.0	12/17/93	12/17/93	0.020	1	ND	
Phosphate-300.0	12/17/93	12/17/93	0.060	1	ND	
Sulfate-300.0	12/17/93	12/17/93	0.050	1	ND	

COMMENT:

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

Anametrix I.D.: 9312208-06
Client I.D. : X104
Project I.D. : 142
Matrix : WATER
Reporting Unit: mg/L

Date Sampled : 12/17/93
Analyst : [illegible]
Supervisor : MN
Date Released : 01/10/94
Instrument I.D. : IC1

ANALYTE-METHOD	DATE PREPARED	DATE ANALYZED	REPORT LIMIT	DIL. FACTOR	RESULT	Q
Chloride-300.0	12/29/93	12/29/93	8.0	200	150	
Nitrate-300.0	12/21/93	12/21/93	0.040	2	0.55	
Phosphate-300.0	12/21/93	12/21/93	0.12	2	~~ND~~	UJ
Sulfate-300.0	12/29/93	12/29/93	0.25	5	12.9	

COMMENT:

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

Analyte-Method: Total Dissolved Solids-160.1
Project I.D. : 142
Matrix : WATER
Reporting Unit: mg/L

Analyst : XV
Supervisor : MN
Date Sampled : 12/16, 12/17/93
Date Released : 01/10/94
Instrument I.D. : N/A

ANAMETRIX SAMPLE I.D.	CLIENT I.D.	DATE PREPARED	DATE ANALYZED	REP. LIMIT	DIL. FACTOR	RESULT	Q
9312208-01	A132	12/17/93	12/18/93	10.0	1	603	
9312208-04	A138	12/17/93	12/18/93	10.0	1	ND	
9312208-04D	A138D	12/17/93	12/18/93	10.0	1	13.0	
9312208-06	X104	12/21/93	12/22/93	10.0	1	534	
9312208-06D	X104D	12/21/93	12/22/93	10.0	1	538	
MB1217W	A132P1	12/17/93	12/18/93	10.0	1	ND	
MB1221W	A132P2	12/21/93	12/22/93	10.0	1	ND	

COMMENT:

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

Analyte-Method: Hex. Chromium-7196
Project I.D. : 142
Matrix : WATER
Reporting Unit: ug/L

Analyst : CN
Supervisor : MN
Date Sampled : 12/16, 12/17/93
Date Released : 01/10/94
Instrument I.D. : SPEC1

ANAMETRIX SAMPLE I.D.	CLIENT I.D.	DATE PREPARED	DATE ANALYZED	REP. LIMIT	DIL. FACTOR	RESULT	Q
9312208-01	A132	12/17/93	12/17/93	88.7	1	ND	
9312208-04	A138	12/17/93	12/17/93	78.1	1	ND	
9312208-06	X104	12/20/93	12/20/93	10.0	1	~~ND~~	UJ
MB1217W	A132P1	12/17/93	12/17/93	10.0	1	ND	
MB1220W	A132P2	12/20/93	12/20/93	10.0	1	ND	

COMMENT:

CHLORINATED HERBICIDES ANALYSIS DATA SHEET

Client ID No.: A132

Lab Name: Aquatec, Inc.
Lab Code: AQUAI
Contract: 93248
Case: 93248

SDG: A132

Lab Sample Id: 207265
Date Received: 12/18/93
Date Extracted: 12/21/93
Date Analyzed: 01/05/94
Silica Gel Clean-up: N (Y/N)

Matrix Type: Water
Sample Volume: 908
Level: (low/med) Low
Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
94-75-7	2,4-D	1.2	U
94-82-6	2,4-DB	1.2	U
93-76-5	2,4,5-T	0.12	U
93-72-1	2,4,5-TP (silvex)	0.12	U
75-99-0	Dalapon	2.6	U
1918-00-9	Dicamba	0.12	U
120-36-5	Dichlorprop	1.2	U
88-85-7	Dinoseb	0.56	U
94-74-6	MCPA	120	U
93-65-2	MCPP	120	U

CHLORINATED HERBICIDES ANALYSIS DATA SHEET

Client ID No.: A138

Lab Name: Aquatec, Inc.
Lab Code: AQUAI
Contract: 93248
Case: 93248

SDG: A132

Lab Sample Id: 207266
Date Received: 12/18/93
Date Extracted: 12/21/93
Date Analyzed: 01/05/94
Silica Gel Clean-up: N (Y/N)

Matrix Type: Water
Sample Volume: 975
Level: (low/med) Low
Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
94-75-7	2,4-D	1.1	U
94-82-6	2,4-DB	1.1	U
93-76-5	2,4,5-T	0.11	U
93-72-1	2,4,5-TP (silvex)	0.11	U
75-99-0	Dalapon	2.4	U
1918-00-9	Dicamba	0.11	U
120-36-5	Dichlorprop	1.1	U
88-85-7	Dinoseb	0.5	U
94-74-6	MCPA	110	U
93-65-2	MCPP	110	U

CHLORINATED HERBICIDES ANALYSIS DATA SHEET

Client ID No.: X104

Lab Name: Aquatec, Inc.
Lab Code: AQUAI
Contract: 93248
Case: 93248

SDG: A132

Lab Sample Id: 207286
Date Received: 12/21/93
Date Extracted: 12/21/93
Date Analyzed: 01/05/94
Silica Gel Clean-up: N (Y/N)

Matrix Type: Water
Sample Volume: 916
Level: (low/med) Low
Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
94-75-7	2,4-D	1.1	U
94-82-6	2,4-DB	1.1	U
93-76-5	2,4,5-T	0.11	U
93-72-1	2,4,5-TP (silvex)	0.11	U
75-99-0	Dalapon	2.6	U
1918-00-9	Dicamba	0.11	U
120-36-5	Dichlorprop	1.1	U
88-85-7	Dinoseb	0.55	U
94-74-6	MCPA	110	U
93-65-2	MCPP	110	U

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142 and 044-0276)
Laboratory:	Anametrix
QA Reviewer:	Sandra Obleas, S-Cubed
Review Date:	April 28, 1994
SDG Number:	9408B162
Work Order Number:	9402269
Sample No(s).:	9408B162 through 9408B167, 9408B170 through 9408B174 and 9409H560.
Analyses:	CLP Volatile, Semivolatiles, Pesticides/PCBs, Inorganics; Non-CLP TPH Gasoline, TPH Diesel, TRPH, and pH.
Matrix:	Soil/Water
Collection Date:	February 24 & 25 and March 2, 1994

QC Criteria Reviewed:

CLP Organic: Holding times from date of sample collection; initial and continuing calibration(s); field, method, and instrument blanks; surrogate recoveries; laboratory control samples; matrix spike/matrix spike duplicate analysis; internal standard performance; and overall assessment for the SDG.

CLP Inorganics: Holding times from date of sample collection; initial and continuing calibration(s); field, preparation, and calibration blanks; laboratory control samples; duplicate sample analysis; matrix spike analysis; ICP serial dilution; and overall assessment for the SDG.

Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to EPA draft documents "National Functional Guidelines for Organic Data Review" (June 1991), "Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses" (July 1988) and in addition the PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC was submitted in this SDG - 9408B165 (Equipment Blank) and 9408B170 (Trip Blank).

I. Blank Contamination

A. Due to laboratory blank contamination, the results for the following analytes are considered non-detected (U):

- Acetone in samples 9408B162 through 9408B164, 9408B166, 9408B167, and 9408B171 through 9408B174.
- Methylene chloride in samples 9408B163 through 9408B165.

Due to equipment blank contamination, the results for the following analytes are considered non-detected (U):

- Carbon disulfide in sample 9408B165.

The following compounds were detected in the laboratory and field QC blanks:

Blank Contaminant	Type of Blank	Concentration
Acetone	Method	6.0 ug/Kg
Methylene chloride	Equipment	2.0 ug/L
Carbon disulfide	Equipment	8.0 ug/L

For acetone and methylene chloride, detected sample results < 10x the maximum blank contamination were qualified. Detected Carbon disulfide sample results < 5x the maximum blank contamination were qualified.

B. Due to laboratory blank contamination, the results for the following analytes are considered non-detected (U):

- Antimony in samples 9408B163, 9408B164, 9408B166, 9408B167, 9408B171.
- Beryllium in samples 9408B162 through 9408B167, 9408B171, 9408B172, and 9408B174.
- Molybdenum in sample 9408B174.
- Potassium in samples 9408B172 and 9408B174.
- Selenium by ICP in samples 9408B162 through 9408B164, 9408B171, 9408B173 and 9408B174.

Due to equipment blank contamination, the results for the following analytes are considered non-detected (U):

- Iron, Manganese, and Zinc in sample 9408B165.

The metals were detected in the laboratory and equipment blanks. The highest concentrations are noted below.

Blank Contaminant	Soil Conc. mg/Kg	Water Conc. ug/L
Aluminum	4.20	21.0
Antimony	6.20	31.0
Arsenic by ICP	0.26	1.3
Beryllium	0.18	0.9
Chromium	-0.62	3.1
Copper	-0.78	3.9
Iron	32.4	162.0
Lead by ICP	-0.14	0.7
Manganese	0.42	2.1
Molybdenum	1.66	8.3
Potassium	-111.14	555.7
Selenium by ICP	0.42	--
Selenium by GFAA	--	3.26
Thallium by ICP	-0.88	4.4
Zinc	0.9	4.5

Detected sample results < 5x the maximum blank contamination were qualified. The data were not affected by: aluminum, arsenic (ICP), chromium, copper, lead (ICP), selenium (GFAA), and thallium (ICP).

C. Due to equipment blank contamination, the result for the following analyte is considered non-detected (U):

- TPH Gasoline in sample 9408B165.

TPH Gasoline was detected at 33.0 ug/L in equipment blank (9408B165). The detected result less than 5x the concentration was qualified. All other sample results were non-detected.

II. Surrogate Recovery

A. Due to severe surrogate recovery problems, the following detected result is estimated (J) and the non-detected result is rejected (R):

- TPH Diesel in sample 9408B165.

Due to surrogate recovery problems, the following detected and non-detected results are estimated (J / UJ):

- TPH Diesel in sample 9408B165RE.

The following TPH Diesel C25 surrogate recoveries did not meet the QC limits (40-140%):

Sample Number	%Recovery
9408B165	6%
9408B165RE	16%

III. Matrix Spike/ Matrix Spike Duplicate

A. Due to accuracy problems in the inorganic matrix spike analysis, the following detected and non-detected analytes are qualified as estimated (J / UJ):

- Antimony in samples 9408B162, 9408B163, 9408B164, 9408B166, 9408B167, 9408B171 through 9408B174.

The Antimony percent recovery (%R) of 56.6% did not meet the QC limits of 75-125%. Spike recoveries between 30-74% indicate that detects and non-detects may be biased low.

IV. Matrix Duplicate

A. Due to precision problems in the inorganic analyses, the following detected analyte is considered estimated (J) and no action is taken on the non-detected result:

- Magnesium in samples 9408B162, 9408B163, 9408B164, 9408B166, 9408B167, 9408B171 through 9408B174.

The Magnesium absolute difference (3228.2) was greater than 2x the CRDL (CRDL=1184.8) QC limits for soils.

V. Blank Spike or LCS

A. The following CLP volatile recoveries for water blank spike sample VLCSBP did not meet the QC limits (70-120%).

Compound	%R
Benzene	124%
Trichloroethene	124%
Toluene	122%
Chlorobenzene	124%

Organic data is generally not qualified based upon LCS or blank spike criteria alone. This QC outlier is not expected to affect the data and no qualifications were made.

B. Due to severe accuracy problems in the LCS analysis, the following detected analyte is estimated (J) and non-detected analyte is rejected (R):

- Selenium (GFAA) in sample 9408B165.

The blank spike recovery for selenium (22.0%) was not within the 80-120% QC limits for inorganics.

VI. Calibration

A. Due to initial calibration problems, the following detected analyte is considered estimated (J) and no action is taken on the non-detected results:

- Acetone in samples 9408B162 through 9408B164, 9408B166, 9408B167, and 9408B171 through 9408B174.

The following initial calibration relative standard deviation (%RSD) was > 30% < 60%:

Date	Compound	%RSD
11-22-93 (1102)	Acetone	37.0

B. Due to continuing calibration problems, the following detected analytes are considered estimated (J) and no action is taken on the non-detected results:

- Chloromethane, Chloroethane, Acetone, 1,2-Dichloroethene (total) and 1,2-Dichloroethane in samples 9408B162 through 9408B164, 9408B166, 9408B167, and 9408B171 through 9408B174.
- Bromomethane in samples 9408B162 through 9408B167 and 9408B170 through 9408B174.
- Hexachlorocyclopentadiene, 2,4-Dinitrophenol, Bis(2-ethylhexyl)phthalate and Di-n-octylphthalate in sample 9408B165.
- 3,3'-Dichlorobenzidine and Benzo(g,h,i)perylene in samples 9408B162 through 9408B164, 9408B166, 9408B167, and 9408B171 through 9408B174

The following continuing calibrations percent differences (%D) > 25% < 50%:

Date	Compound	%D
02-28-94 (2004)	Chloromethane	41.4
	Bromomethane	38.7
	Chloroethane	36.9
	Acetone	37.2
	1,2-Dichloroethene (total)	28.4
	1,2-Dichloroethane	25.8
03-08-94 (0942)	Bromomethane	-25.9
03-18-94 (1655)	Hexachlorocyclopentadiene	33.9
	2,4-Dinitrophenol	31.3
	Bis(2-ethylhexyl)phthalate	-29.2
	Di-n-octylphthalate	-35.9
03-16-94 (1712)	3,3'-Dichlorobenzidine	-27.1
	Benzo(g,h,i)perylene	-25.7

C. The following calibration criteria (%RSD and %D) did not meet QC limits. Qualifications to the data are not required since samples were not associated with these calibrations.

Date	Compound	%RSD	%D	QC limit
03-04-94 (1657)	2,4-Dinitrophenol	33.6	--	< 30%
03-11-94 (1158)	N-nitroso-di-n-propylamine	--	-31.8	< 25%
	2,6-Dinitrotoluene	--	-32.4	< 25%
	3-Nitroaniline	--	-26.3	< 25%
	2,4-Dinitrophenol	--	-55.1	< 25%
	2,4-Dinitrotoluene	--	-33.5	< 25%
	4,6-Dinitro-2-methylphenol	--	-28.0	< 25%
	Butylbenzylphthalate	--	-35.2	< 25%
	bis(2-ethylhexyl)phthalate	--	-34.3	< 25%
	Di-n-octylphthalate	--	-36.6	< 25%
	Benzo(k)fluoranthene	--	-28.3	< 25%
03-14-94 (1158)	Hexachlorocyclopentadiene	--	45.6	< 25%
	2,4-Dinitrophenol	--	26.4	< 25%
	4,6-Dinitro-2-methylphenol	--	25.7	< 25%

VII. Case Assessment

A. The following sample results were most usable.

- TPH Diesel: 9408B165RE.

B. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for any purpose. Based upon the cursory data validation, all other results are considered valid and usable for all purposes.

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix
QA Reviewer:	Sandra Obleas, S-Cubed
Review Date:	April 13, 1994
SDG Number:	93505001
Work Order Number:	9312232
Sample No(s).:	93505001 through 93505003
Analyses:	Non-CLP TPH Gasoline and TPH Diesel
Matrix:	Water
Collection Date:	December 17, 1993

QC Criteria Reviewed:
Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC in this SDG - none.

I. Holding Times

A. Per the lab narrative, TPH Diesel samples were not extracted.

II. Surrogate Recovery

A. Per the lab narrative, surrogates were not analyzed for TPH Diesel since the samples were not extracted.

III. Matrix Spike/ Matrix Spike Duplicate

A. MS/MSD analyses were not performed for TPH Gasoline and TPH Diesel. Accuracy and precision could not be evaluated.

IV. Blank Spike or LCS

A. Blank spike analyses were not performed for TPH Gasoline and TPH Diesel. Accuracy could not be evaluated.

V. Case Assessment

A. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Based upon the cursory data validation, all results are considered valid and usable for all purposes.

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

Project ID : 142
Sample ID : 5001
Matrix : WATER
Date Sampled :12/17/93
Date Analyzed :12/21/93
Instrument ID : HP21

Anametrix ID : 9312232-01
Analyst : JS
Supervisor : ds

Dilution Factor : 10000.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	500000.	1100000.	
- -	Other Components	500000.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : 5002
Matrix : WATER
Date Sampled :12/17/93
Date Analyzed :12/21/93
Instrument ID : HP21

Anametrix ID : 9312232-02
Analyst : RD
Supervisor : CS

Dilution Factor : 5000.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	250000.	ND	U
- -	Other Components	250000.	ND	U

GC/TPH - PAGE

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

Project ID	: 142	Anametrix ID	: 9312232-03
Sample ID	: 5003	Analyst	: IS
Matrix	: WATER	Supervisor	: [illegible]
Date Sampled	:12/17/93		
Date Analyzed	:12/21/93	Dilution Factor	: 5000.0
Instrument ID	: HP21	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	250000.	ND	U
- -	Other Components	250000.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : 5001
Matrix : WATER
Date Sampled :12/17/93
Date Extracted : 0/ 0/ 0
Amount Extracted : 1.0 mL
Date Analyzed :12/21/93
Instrument ID : HP19

Anametrix ID : 9312232-01
Analyst : KK
Supervisor : CB

Dilution Factor : 1000.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	50000000.	ND	U
2222-22-2	KEROSENE	50000000.	ND	U
4444-44-4	MOTOR OIL	50000000.	ND	U
5555-55-5	JP-5	50000000.	ND	U
- -	HYDRAULIC OIL	50000000.	*********	

750 000 000

GC/TPH - PAGE

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

Project ID : 142
Sample ID : 5002
Matrix : WATER
Date Sampled :12/17/93
Date Extracted : 0/ 0/ 0
Amount Extracted : 1.0 mL
Date Analyzed :12/21/93
Instrument ID : HP19

Anametrix ID : 9312232-02
Analyst : KK
Supervisor : cas

Dilution Factor : 100.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	5000000.	ND	U
2222-22-2	KEROSENE	5000000.	ND	U
4444-44-4	MOTOR OIL	5000000.	ND	U
5555-55-5	JP-5	5000000.	ND	U
- -	HYDRAULIC OIL	5000000.	14000000.	

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

Project ID : 142
Sample ID : 5003
Matrix : WATER
Date Sampled :12/17/93
Date Extracted : 0/ 0/ 0
Amount Extracted : 1.0 mL
Date Analyzed :12/21/93
Instrument ID : HP19

Anametrix ID : 9312232-03
Analyst : KK
Supervisor : CS

Dilution Factor : 100.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	5000000.	ND	U
2222-22-2	KEROSENE	5000000.	ND	U
4444-44-4	MOTOR OIL	5000000.	ND	U
5555-55-5	JP-5	5000000.	ND	U
- -	HYDRAULIC OIL	5000000.	32000000.	

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix, Inc.
QA Reviewer:	Kim Chang-Pawlowski, PRC
Review Date:	April 19, 1994
SDG Number:	9410G780
Project No.:	9403154
Sample No(s).:	9410G780 through 9410G782, and 9411M507 through 9411M512.
Analyses:	CLP Semivolatiles and TPH-Extractables (as Diesel and Motor Oil).
Collection Date:	March 9, 16,17, and 18, 1994

QC Criteria Reviewed:

CLP Organic: Holding times from date of sample collection; initial and continuing calibration(s); field, method, and instrument blanks; surrogate recoveries; laboratory control samples; matrix spike/matrix spike duplicate analysis; internal standard performance; and overall assessment for the SDG.

Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to EPA draft documents "National Functional Guidelines for Organic Data Review" (June 1991), and in addition the PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC: 9410G782 and 9411M509 -Equipment Blanks

I. Holding Times

A. All holding time criteria were met.

II. Blank Contamination

A. Due to field blank contamination, the detected TPH-motor oil results in samples 9410G780RE and 9410G781RE are considered as non-detected (U).

TPH-motor oil was detected in equipment blank 9410G782 at a concentration of 77 ug/L.

B. Although bis(2-ethylhexyl)phthalate was not detected in the laboratory method blank, it is a common laboratory contaminant. Therefore, the detected results for bis(2-ethylhexyl)phthalate in samples 9410G781, 9410G782, 9411M508, 9411M509, 9411M510 and 9411M512 are considered as non-detected (U).

III. Surrogate Recovery

A. The following surrogates were outside the QC limits:

- TPH-Extractables: a recovery of 28% for surrogate compound C25 was reported in sample 9410G782 (QC limit 40-140%); and a recovery of 25% for surrogate compound o-terphenyl was reported in sample 9410G782RE (QC limit 60-140%).
- CLP Semivolatiles: 0% recovery for all surrogates in sample 9410G781, and terphenyl-d14 (QC limit 33-141%) and 2-fluorobiphenyl (QC limit of 43-116%) in sample 9410G781RE (21% and 39%, respectively).

As explained in the case narrative, the 0% surrogate recoveries in sample 9410G780 are due to failure to add surrogate mix to the sample. A re-extraction was performed within holding time and except for terphenyl-d14 and 2-fluorobiphenyl all surrogate recoveries were within criteria. Due to this surrogate problem, the following detected and non-detected analytes are considered estimated (J/UJ):

- TPH-Extractables in sample 9410G782 and 9410G782RE
- Base/neutral fraction of sample 9410G781RE

B. Due to surrogate spiking problems, the following detected are considered estimated (J) and non-detected analytes are considered rejected (R):

- Semivolatile sample 9410G781

IV. Matrix Spike/ Matrix Spike Duplicate

A. Due to insufficient volume of water supplied to the laboratory, the laboratory performed laboratory control spike and laboratory control spike duplicate analyses. All recoveries were within criteria.

V. Matrix Duplicate

A. Matrix duplicate samples were not performed.

VI. Field Duplicate

A. Field duplicate samples were not collected.

VII. Calibration

A. Due to initial calibration problems, the following detected analytes are considered estimated (J) and no action is taken on the non-detected results:

- 2,4-Dinitrophenol in samples 9411M507 through 9411M512.

The following initial calibration relative standard deviations (%RSD) >30% & <60%:

Date and Time	Compound	%RSD
3-20-94(1432)	2,4-Dinitrophenol	31.8%

- Hexachlorocyclopentadiene in samples 9410G780 through 9410G782, 9410G781RE, 9411M507 through 9411M511.
- 2,4-dinitrophenol in samples 9410G780 through 9410G782 and 9411M507 through 9411M511.
- Di-n-octylphthalate in samples 9411M507 through 9411M511.
- 2,2'-Oxybis(1-chloropropane), phenol, hexachlorobutadiene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene in sample 9411M512.

The following continuing calibrations percent differences (%D) > 25% < 50%:

Date and Time	Compound	%D
3-14-94(1158)	Hexachlorocyclopentadiene	45.6%
	2,4-dinitrophenol	26.4%
3-17-94(1632)	Hexachlorocyclopentadiene	38.5%
3-23-94(1116)	Hexachlorocyclopentadiene	25.9%
	2,4-dinitrophenol	-33.8%
	Di-n-octylphthalate	-27.4%
3-28-94	Phenol	27.1%
	2,2'-oxybis(1-chloropropane)	41.8%
	Hexachlorobutadiene	-25.6%
	Indeno(1,2,3-cd)pyrene	32.0%
	Dibenz(a,h)anthracene	27.4%
	Benzo(g,h,i)perylene	37.3%

C. Due to continuing calibration problems, the following detected and non-detected analytes are considered estimated (J/UJ):

- Hexachlorocyclopentadiene in sample 9411M512

The following continuing calibrations percent differences (%D) > 50%:

Date and Time	Compound	%D
3-18-94(1821)	Hexachlorocyclopentadiene	60.1%

VII. Internal Standards

A. All internal standard criteria were met.

VIII. Case Assessment

A. The following sample results were most usable.

- Semivolatiles: 9410G781RE.

B. Both sample sets listed below had similar results and are usable:

- TPH-Extractables: 9410G780 & 9410G780RE, 9410G781 & 9410G781RE, and 9410G782 & 9410G782RE.

C. The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be rejected (R) are unusable for any purpose. Based upon the cursory data validation, all other results are considered valid and usable for all purposes.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G780

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15401

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/10/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/14/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G780

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-01

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15401

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/10/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/14/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G781

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15402

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/10/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/14/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U R
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U R

All chgs
S. L 4/19/94

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G781

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15402

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/10/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/14/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U R
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	8.	J
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U R

(1) - Cannot be separated from diphenylamine

All chgs
S.L 4/19/94

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G781 RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRM15402

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

All chgs
s. L 4/19/94

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G781 RE

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-02

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRM15402

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/14/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All chgs
S.L 4/19/94

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G782

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15403

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/10/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/14/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G782

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-03

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15403

Level: (low/med) LOW Date Received: 03/09/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/10/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/14/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~6.~~	~~J~~ U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

all chgs
S.L 4/19/94

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M507

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15404

Level: (low/med) LOW Date Received: 03/16/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M507

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15404

Level: (low/med) LOW Date Received: 03/16/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M508

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-05

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15405

Level: (low/med) LOW Date Received: 03/17/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M508

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-05

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15405

Level: (low/med) LOW Date Received: 03/17/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	15.	u
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All charges
S.L 7/19/94

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M509

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15406

Level: (low/med) LOW Date Received: 03/17/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M509

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-06

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15406

Level: (low/med) LOW Date Received: 03/17/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~5~~.	J U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All chgs
S.L 4/19/94

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M510

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-07

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15407

Level: (low/med) LOW Date Received: 03/17/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M510

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-07

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15407

Level: (low/med) LOW Date Received: 03/17/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~3.~~	~~J~~ U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All chgs
S.L. 4/19/94

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M511

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-08

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15408

Level: (low/med) LOW Date Received: 03/18/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M511

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-08

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM15408

Level: (low/med) LOW Date Received: 03/18/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/22/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M512

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-09

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRM15409

Level: (low/med) LOW Date Received: 03/18/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

All chgs
s.L 4/19/94

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

M512

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: G780

Matrix: (soil/water) WATER Lab Sample ID: 9403154-09

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MRM15409

Level: (low/med) LOW Date Received: 03/18/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/19/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~9~~.	~~U~~
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All dys
J.L 4/19/94

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

Project ID	: 142	Anametrix ID	: 9403154-01
Sample ID	: G780	Lab File ID	: FPM15401
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/ 9/94		
Date Extracted	: 3/10/94		
Amount Extracted	: 980.0 mL		
Date Analyzed	: 3/10/94	Dilution Factor	: 1.0
Instrument ID	: HP19	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	57.	J

GC/TPH - PAGE

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

Project ID : 142
Sample ID : G780 RE
Matrix : WATER
Date Sampled : 3/ 9/94
Date Extracted : 3/12/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/14/94
Instrument ID : HP19

Anametrix ID : 9403154-01R
Lab File ID : FXM15401
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U J
4444-44-4	MOTOR OIL	100.	100.	~~J~~ UJ

All chgs
s.c 4/19/94

GC/TPH - PAGE

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

Project ID : 142
Sample ID : G781
Matrix : WATER
Date Sampled : 3/ 9/94
Date Extracted : 3/10/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/11/94
Instrument ID : HP19

Anametrix ID : 9403154-02
Lab File ID : FPM15402
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	200.	

GC/TPH - PAGE

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

Project ID : 142
Sample ID : G781 RE
Matrix : WATER
Date Sampled : 3/ 9/94
Date Extracted : 3/12/94
Amount Extracted : 930.0 mL
Date Analyzed : 3/14/94
Instrument ID : HP19

Anametrix ID : 9403154-0
Lab File ID : FXM15402
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	110.	ND	U
4444-44-4	MOTOR OIL	110.	360.	U

All chgs
J.L 4/19/94

GC/TPH - PAGE

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

Project ID : 142
Sample ID : G782
Matrix : WATER
Date Sampled : 3/ 9/94
Date Extracted : 3/10/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/11/94
Instrument ID : HP19

Anametrix ID : 9403154-03
Lab File ID : FPM15403
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : G782 as
Matrix : WATER
Date Sampled : 3/ 9/94
Date Extracted : 3/12/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/14/94
Instrument ID : HP19

Anametrix ID : 9403154-03
Lab File ID : FXM15403
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	77.	J

GC/TPH - PAGE

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

Project ID : 142
Sample ID : M507
Matrix : WATER
Date Sampled : 3/16/94
Date Extracted : 3/17/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/20/94
Instrument ID : HP9

Anametrix ID : 9403154-0
Lab File ID : FPM15404
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	120.	

GC/TPH - PAGE

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

Project ID : 142
Sample ID : M508
Matrix : WATER
Date Sampled : 3/17/94
Date Extracted : 3/19/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/21/94
Instrument ID : HP9

Anametrix ID : 9403154-0
Lab File ID : FPM15405
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	130.	

GC/TPH - PAGE

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

Project ID : 142
Sample ID : M509
Matrix : WATER
Date Sampled : 3/17/94
Date Extracted : 3/19/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/21/94
Instrument ID : HP9

Anametrix ID : 9403154-06
Lab File ID : FPM15406
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	ND	U

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

Project ID	: 142	Anametrix ID	: 9403154-07
Sample ID	: M510	Lab File ID	: FPM15407
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/17/94		
Date Extracted	: 3/19/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 3/21/94	Dilution Factor	: 1.0
Instrument ID	: HP9	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	88.	J

GC/TPH - PAGE

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

Project ID : 142
Sample ID : M511
Matrix : WATER
Date Sampled : 3/18/94
Date Extracted : 3/21/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/23/94
Instrument ID : HP9

Anametrix ID : 9403154-08
Lab File ID : FPM15408
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	59.	J

GC/TPH - PAGE

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

Project ID : 142
Sample ID : M512
Matrix : WATER
Date Sampled : 3/18/94
Date Extracted : 3/21/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/23/94
Instrument ID : HP9

Anametrix ID : 9403154-09
Lab File ID : FPM15409
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	70.	J

GC/TPH - PAGE

SUMMARY DATA VALIDATION REPORT

Site:	Hunters Point Annex (CTO No. 044-0142)
Laboratory:	Anametrix
QA Reviewer:	Sharon Lin, PRC
Review Date:	April 23, 1994
SDG Number:	9412H562
Work Order No:	9403407
Sample No(s).:	9412H562, 9412H563, 9412H564, 9413X265, 9413X266, 9413X267 and 9413X268
Matrix:	Water
Analyses:	CLP Semivolatiles, Non-CLP TPH-motor oil and pH.
Collection Date:	March 25, 28, 29, 30 and April 1, 1994

QC Criteria Reviewed:

CLP Organic: Holding times from date of sample collection; initial and continuing calibration(s); field, method, and instrument blanks; surrogate recoveries; laboratory control samples; matrix spike/matrix spike duplicate analysis; internal standard performance; and overall assessment for the SDG.

Non-CLP: Method compliance; holding times from date of sample collection; initial and continuing calibration(s); field and laboratory blanks; surrogate recoveries; laboratory control samples; duplicate sample analysis; matrix spike accuracy and precision; other method specific QC; and overall assessment for the SDG.

The data were reviewed according to EPA draft documents "National Functional Guidelines for Organic Data Review" (June 1991) and in addition the PRC NAVY CLEAN SOW (1991) and other specified criteria in EPA methods.

Comments

Field QC in this SDG - 9412H563 (Equipment Blank).

I. Holding Times

A. All holding times criteria were met for all samples analyzed.

II. Blank Contamination

A. Due to laboratory blank contamination, the analytical results for target analyte bis(2-ethylhexyl)phthalate in samples 9412H562, 9412H563, 9412H564 and 9413X265 are considered non-detected (U).

Bis(2-ethylhexyl)phthalate was detected at concentrations of 7 ug/L and 56 ug/L in the associated method blanks SBLKDC and SBLKDB, respectively.

B. Due to field blank contamination, the detected results for TPH-motor oil in samples 9412H562, 9413X265, 9413X266, 9413X267, 9413X268 are considered non-detected (U).

TPH-motor oil was detected at a concentration of 67 ug/L in equipment blank 9412H563.

III. Surrogate Recovery

A. Due to surrogate recovery problems, all analytical results of base/neutral fraction for semivolatile analyses in sample 9412H564 are considered as estimates (J/UJ) and usable for limited purposes only.

Surrogate Compound	% Recovery	QC Limits
2-Fluorobiphenyl	41	43-116
Terphenyl-d14	10	33-141

The above surrogate recoveries did not meet the QC criteria. Due to the limited sample volume provided, sample 9412H564 was not re-extracted and re-analyzed.

B. A surrogate recovery of 23% was reported for semivolatile surrogate compound terphenyl-d14 in sample 9413X265, falling outside the lower QC limit of 33% for water samples. Due to the fact there is only one surrogate recovery falling outside the advisory QC criteria, the associated sample results are not qualified based on the surrogate recovery problem.

C. Applicable QC criteria for surrogate recovery analyses were met for other semivolatile surrogate compounds and TPH-motor oil and the results are considered acceptable.

IV. Matrix Spike/ Matrix Spike Duplicate

A. MS/MSD analyses for semivolatile and TPH-motor oil were not performed. Blank spikes were analyzed instead and the results are considered acceptable.

V. Blank Spike or LCS

A. All QC criteria for LCS analyses were met and the results are considered acceptable.

VI. Field Duplicate

A. There were no field duplicate analyses performed.

VII. Calibration

A. A Relative Standard Deviation (%RSD) of 40.3% was reported for target analyte hexachlorocyclopentadiene in the initial calibration performed on April 2, 1994, exceeding the advisory QC criteria of <30%. Therefore, the analytical results for hexachlorocyclopentadiene in samples 9412H562, 9412H563, 9412H564 and 9413X265 are considered as estimates (J) and usable for limited purposes only.

B. All other QC criteria were met for initial calibration and continuing calibrations and the results are considered acceptable.

VIII. Internal Standards

A. All QC criteria were met for internal standards for sample semivolatiles analyses.

IX. Compound Identification

A. TPH-motor oil result in sample 9413X268 is flagged as "Z" due to compound identification problems. The GC chromatogram for the above noted sample did not exhibit a typical TPH-motor oil pattern, and therefore should not be considered as an identifiable TPH-motor oil compound.

B. The TPH-motor oil results in sample numbers 9413X265, 9413X266 and 9413X267 are affected by the presence of a discrete peak indicative of motor oil at a retention time of 17 minutes and this should be noted.

X. Case Assessment

A. Due to the above noted surrogate recovery problems, the results for all base/neutral fraction analytes in sample number 9412H564 are considered as estimates and usable for limited purposes only.

B. Due to exceeded %RSD in initial calibration, analytical results for hexachlorocyclopentadiene in samples 9412H562, 9412H563, 9412H564 and 9413X265 are considered as estimates and usable for limited purposes only.

C. Due to laboratory blank contamination, the detected results for bis(2-ethylhexyl)phthalate in samples 9412H562, 9412H563, 9412H564 and 9413X265 are considered non-detected.

D. Due to field blank contamination, the detected results for TPH-motor oil in samples 9412H562, 9413X265, 9413X266, 9413X267, 9413X268 are considered non-detected.

F. The TPH-motor oil result for sample 9413X268 is considered as a result from unknown hydrocarbons.

G. All other results are considered acceptable and usable for all purposes, based on the cursory validation.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

H562

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: MPM40701

Level: (low/med) LOW Date Received: 03/25/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	26.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	26.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	26.	U
83-32-9	Acenaphthene	10.	U

All chgs
S.L 4/25/94

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

H562

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: MPM40701

Level: (low/med) LOW Date Received: 03/25/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	26.	U
100-02-7	4-Nitrophenol	26.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	26.	U
534-52-1	4,6-Dinitro-2-methylphenol	26.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	26.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~6~~.	~~BJ~~ U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All changes
J.L 4/25/94

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

H563

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: MPM40702

Level: (low/med) LOW Date Received: 03/25/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	26.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	26.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	26.	U
83-32-9	Acenaphthene	10.	U

FORM I SV-1 All chgs 3/90

s.c 4/25/94

000017

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

H563

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: MPM40702

Level: (low/med) LOW Date Received: 03/25/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	26.	U
100-02-7	4-Nitrophenol	26.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	26.	U
534-52-1	4,6-Dinitro-2-methylphenol	26.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	26.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~3~~.	~~BJ~~ U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All changes
S.L. 4/25/94

FORM I SV-2 3/90

000018

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

H564

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-03

Sample wt/vol: 640.0 (g/mL) ML Lab File ID: MPM40703

Level: (low/med) LOW Date Received: 03/25/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/03/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	16.	U
111-44-4	bis(2-Chloroethyl)ether	16.	U J
95-57-8	2-Chlorophenol	16.	U
541-73-1	1,3-Dichlorobenzene	16.	U J
106-46-7	1,4-Dichlorobenzene	16.	U J
95-50-1	1,2-Dichlorobenzene	16.	U J
95-48-7	2-Methylphenol	16.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	16.	U J
106-44-5	4-Methylphenol	16.	U
621-64-7	N-Nitroso-di-n-propylamine	16.	U J
67-72-1	Hexachloroethane	16.	U J
98-95-3	Nitrobenzene	16.	U J
78-59-1	Isophorone	16.	U J
88-75-5	2-Nitrophenol	16.	U
105-67-9	2,4-Dimethylphenol	16.	U
111-91-1	bis(2-Chloroethoxy)methane	16.	U J
120-83-2	2,4-Dichlorophenol	16.	U
120-82-1	1,2,4-Trichlorobenzene	16.	U J
91-20-3	Naphthalene	.7	J
106-47-8	4-Chloroaniline	16.	U J
87-68-3	Hexachlorobutadiene	16.	U J
59-50-7	4-Chloro-3-methylphenol	16.	U
91-57-6	2-Methylnaphthalene	5.	J
77-47-4	Hexachlorocyclopentadiene	16.	U J
88-06-2	2,4,6-Trichlorophenol	16.	U
95-95-4	2,4,5-Trichlorophenol	39.	U
91-58-7	2-Chloronaphthalene	16.	U J
88-74-4	2-Nitroaniline	39.	U J
131-11-3	Dimethylphthalate	16.	U J
208-96-8	Acenaphthylene	16.	U J
606-20-2	2,6-Dinitrotoluene	16.	U J
99-09-2	3-Nitroaniline	39.	U J
83-32-9	Acenaphthene	16.	U J

All chgs s.c. 4/25/94

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

H564

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-03

Sample wt/vol: 640.0 (g/mL) ML Lab File ID: MPM40703

Level: (low/med) LOW Date Received: 03/25/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/03/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	39.	U
100-02-7	4-Nitrophenol	39.	U
132-64-9	Dibenzofuran	16.	U J
121-14-2	2,4-Dinitrotoluene	16.	U J
84-66-2	Diethylphthalate	16.	U J
7005-72-3	4-Chlorophenyl-phenylether	16.	U J
86-73-7	Fluorene	16.	U J
100-01-6	4-Nitroaniline	39.	U J
534-52-1	4,6-Dinitro-2-methylphenol	39.	U
86-30-6	N-Nitrosodiphenylamine (1)	16.	U J
101-55-3	4-Bromophenyl-phenylether	16.	U J
118-74-1	Hexachlorobenzene	16.	U J
87-86-5	Pentachlorophenol	39.	U
85-01-8	Phenanthrene	16.	U J
120-12-7	Anthracene	16.	U J
86-74-8	Carbazole	16.	U J
84-74-2	Di-n-butylphthalate	16.	U J
206-44-0	Fluoranthene	16.	U J
129-00-0	Pyrene	16.	U J
85-68-7	Butylbenzylphthalate	16.	U J
91-94-1	3,3'-Dichlorobenzidine	16.	U J
56-55-3	Benzo(a)anthracene	16.	U J
218-01-9	Chrysene	16.	U J
117-81-7	bis(2-Ethylhexyl)phthalate	21.	~~B~~ U J
117-84-0	Di-n-octylphthalate	16.	U J
205-99-2	Benzo(b)fluoranthene	16.	U J
207-08-9	Benzo(k)fluoranthene	16.	U J
50-32-8	Benzo(a)pyrene	16.	U J
193-39-5	Indeno(1,2,3-cd)pyrene	16.	U J
53-70-3	Dibenz(a,h)anthracene	16.	U J
191-24-2	Benzo(g,h,i)perylene	16.	U J

(1) - Cannot be separated from diphenylamine

FORM I SV-2

All changes 3/90
S.L. 4/25/94

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X265

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM40704

Level: (low/med) LOW Date Received: 03/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U J
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	25.	U
88-74-4	2-Nitroaniline	10.	U
131-11-3	Dimethylphthalate	25.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	10.	U
83-32-9	Acenaphthene	25.	U
		10.	U

All chays
s.c 4/25/94

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X265

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: H562

Matrix: (soil/water) WATER Lab Sample ID: 9403407-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPM40704

Level: (low/med) LOW Date Received: 03/28/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/29/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 04/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~6~~.	~~BJ~~ U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

All changes 3/90

J.L 4/25/94

FORM I SV-2

000624

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

Project ID	: 142	Anametrix ID	: 9403407-01
Sample ID	: H562	Lab File ID	: FPM40701
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/25/94		
Date Extracted	: 3/28/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 3/29/94	Dilution Factor	: 1.0
Instrument ID	: HP9	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	110.	U

All chgs
J.L 4/25/94

GC/TPH - PAGE

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

Project ID	: 142	Anametrix ID	: 9403407-02
Sample ID	: H563	Lab File ID	: FPM40702
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/25/94		
Date Extracted	: 3/28/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 3/29/94	Dilution Factor	: 1.0
Instrument ID	: HP9	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	67.	J

GC/TPH - PAGE

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

roject ID	: 142	Anametrix ID	: 9403407-03
ample ID	: H564	Lab File ID	: FPM40703
atrix	: WATER	% Moisture	: 100.
ate Sampled	: 3/25/94		
ate Extracted	: 3/28/94		
mount Extracted	: 1000.0 mL		
ate Analyzed	: 3/29/94	Dilution Factor	: 1.0
nstrument ID	: HP9	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	1900.	

GC/TPH - PAGE

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

roject ID : 142
ample ID : X265
atrix : WATER
ate Sampled : 3/28/94
ate Extracted : 3/29/94
mount Extracted : 1000.0 mL
ate Analyzed : 3/29/94
nstrument ID : HP9

Anametrix ID : 9403407-04
Lab File ID : FPM40704
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	260.	U

All days
S.L 4/25/94

GC/TPH - PAGE

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

Project ID	: 142	Anametrix ID	: 9403407-05
Sample ID	: X266	Lab File ID	: FPM40705
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 3/29/94		
Date Extracted	: 3/30/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 3/31/94	Dilution Factor	: 1.0
Instrument ID	: HP9	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	310.	u

All days
s.c 4/25/94

GC/TPH - PAGE

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

Project ID : 142
Sample ID : X267
Matrix : WATER
Date Sampled : 3/30/94
Date Extracted : 3/31/94
Amount Extracted : 1000.0 mL
Date Analyzed : 4/ 2/94
Instrument ID : HP9

Anametrix ID : 9403407-06
Lab File ID : FPM40706
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	200.	U

All chgs
SVL 4/25/9

GC/TPH - PAGE

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

roject ID : 142
ample ID : X268
atrix : WATER
ate Sampled : 4/ 1/94
ate Extracted : 4/ 2/94
mount Extracted : 1000.0 mL
ate Analyzed : 4/ 5/94
nstrument ID : HP9

Anametrix ID : 9403407-07
Lab File ID : FPM40707
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	U
4444-44-4	MOTOR OIL	100.	200.	Z U

pH chgs
s.L 4/12/94

GC/TPH - PAGE

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

MS. KIM PAWLOWSKI
PRC ENVIRONMENT MANAGEMENT, INC.
120 HOWARD STREET, SUITE #700
SAN FRANCISCO, CA 94105

Workorder # : 9403407
Date Received : 03/25/94
Project ID : 142
Purchase Order: H562
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9403407- 1	H562	WATER	03/25/94	9040

000106

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B162

ıb Name: Anametrix, Inc. Contract:

ıb Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

ıtrix: (soil/water) SOIL Lab Sample ID: 9402269-01

ımple wt/vol: 5.000 (g/mL) G Lab File ID: MPF26901

evel: (low/med) LOW Date Received: 02/24/94

Moisture: not dec. 16. Date Analyzed: 03/01/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene chloride	12.	U
67-64-1	Acetone	32.	~~B~~ U
75-15-0	Carbon disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
544-59-2	1,2-Dichloroethene (Total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	Cis-1,3-dichloropropene	12.	U
79-01-6	Trichloroethene	85.	
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	Trans-1,3-dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (Total)	12.	U

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FORM I VOA 3/90

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B163

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-02

Sample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26902

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: not dec. 15. Date Analyzed: 03/01/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene chloride	~~5.~~	~~J~~ 12 U
67-64-1	Acetone	19.	~~B~~ U
75-15-0	Carbon disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
544-59-2	1,2-Dichloroethene (Total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	Cis-1,3-dichloropropene	12.	U
79-01-6	Trichloroethene	4.	J
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	Trans-1,3-dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (Total)	12.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B164

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-03

ample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26903

evel: (low/med) LOW Date Received: 02/24/94

Moisture: not dec. 11. Date Analyzed: 02/28/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene chloride	~~6.~~	~~J~~ 11 U
67-64-1	Acetone	22.	~~B~~ U
75-15-0	Carbon disulfide	11.	U
75-35-4	1,1-Dichloroethene	11.	U
75-34-3	1,1-Dichloroethane	11.	U
544-59-2	1,2-Dichloroethene (Total)	11.	U
67-66-3	Chloroform	11.	U
107-06-2	1,2-Dichloroethane	11.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	11.	U
56-23-5	Carbon tetrachloride	11.	U
75-27-4	Bromodichloromethane	11.	U
78-87-5	1,2-Dichloropropane	11.	U
10061-01-5	Cis-1,3-dichloropropene	11.	U
79-01-6	Trichloroethene	11.	U
124-48-1	Dibromochloromethane	11.	U
79-00-5	1,1,2-Trichloroethane	11.	U
71-43-2	Benzene	11.	U
10061-02-6	Trans-1,3-dichloropropene	11.	U
75-25-2	Bromoform	11.	U
108-10-1	4-Methyl-2-pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	11.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U
108-88-3	Toluene	11.	U
108-90-7	Chlorobenzene	11.	U
100-41-4	Ethylbenzene	11.	U
100-42-5	Styrene	11.	U
1330-20-7	Xylene (Total)	11.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B165

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) WATER Lab Sample ID: 9402269-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: MPF26904

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: not dec._____ Date Analyzed: 03/08/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	10.	U	
74-83-9	Bromomethane	10.	U	
75-01-4	Vinyl chloride	10.	U	
75-00-3	Chloroethane	10.	U	
75-09-2	Methylene chloride	~~2.~~	~~J~~	10 U
67-64-1	Acetone	10.	U	
75-15-0	Carbon disulfide	~~8.~~	~~J~~	10 U
75-35-4	1,1-Dichloroethene	10.	U	
75-34-3	1,1-Dichloroethane	10.	U	
540-59-0	1,2-Dichloroethene (Total)	10.	U	
67-66-3	Chloroform	10.	U	
107-06-2	1,2-Dichloroethane	10.	U	
78-93-3	2-Butanone	10.	U	
71-55-6	1,1,1-Trichloroethane	10.	U	
56-23-5	Carbon tetrachloride	10.	U	
75-27-4	Bromodichloromethane	10.	U	
78-87-5	1,2-Dichloropropane	10.	U	
10061-01-5	Cis-1,3-dichloropropene	10.	U	
79-01-6	Trichloroethene	10.	U	
124-48-1	Dibromochloromethane	10.	U	
79-00-5	1,1,2-Trichloroethane	10.	U	
71-43-2	Benzene	10.	U	
10061-02-6	Trans-1,3-dichloropropene	10.	U	
75-25-2	Bromoform	10.	U	
108-10-1	4-Methyl-2-pentanone	10.	U	
591-78-6	2-Hexanone	10.	U	
127-18-4	Tetrachloroethene	10.	U	
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	
108-88-3	Toluene	10.	U	
108-90-7	Chlorobenzene	10.	U	
100-41-4	Ethylbenzene	10.	U	
100-42-5	Styrene	10.	U	
1330-20-7	Xylene (Total)	10.	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B166

b Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-05

ample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26905

evel: (low/med) LOW Date Received: 02/25/94

Moisture: not dec. 15. Date Analyzed: 03/01/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene chloride	12.	U
67-64-1	Acetone	13.	~~B~~ U
75-15-0	Carbon disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
544-59-2	1,2-Dichloroethene (Total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	Cis-1,3-dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	Trans-1,3-dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (Total)	12.	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B167

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-06

Sample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26906

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: not dec. 26. Date Analyzed: 03/01/94

GC Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14.	U
74-83-9	Bromomethane	14.	U
75-01-4	Vinyl chloride	14.	U
75-00-3	Chloroethane	14.	U
75-09-2	Methylene chloride	14.	U
67-64-1	Acetone	14.	~~B~~ U
75-15-0	Carbon disulfide	14.	U
75-35-4	1,1-Dichloroethene	14.	U
75-34-3	1,1-Dichloroethane	14.	U
544-59-2	1,2-Dichloroethene (Total)	14.	U
67-66-3	Chloroform	14.	U
107-06-2	1,2-Dichloroethane	14.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	14.	U
56-23-5	Carbon tetrachloride	14.	U
75-27-4	Bromodichloromethane	14.	U
78-87-5	1,2-Dichloropropane	14.	U
10061-01-5	Cis-1,3-dichloropropene	14.	U
79-01-6	Trichloroethene	14.	U
124-48-1	Dibromochloromethane	14.	U
79-00-5	1,1,2-Trichloroethane	14.	U
71-43-2	Benzene	14.	U
10061-02-6	Trans-1,3-dichloropropene	14.	U
75-25-2	Bromoform	14.	U
108-10-1	4-Methyl-2-pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	14.	U
108-88-3	Toluene	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (Total)	14.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B170

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) WATER Lab Sample ID: 9402269-07

ample wt/vol: 5.000 (g/mL) ML Lab File ID: MPF26907

evel: (low/med) LOW Date Received: 02/25/94

Moisture: not dec._____ Date Analyzed: 03/08/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	10.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (Total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	Cis-1,3-dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	Trans-1,3-dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (Total)	10.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B171

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-08

ample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26908

evel: (low/med) LOW Date Received: 02/25/94

Moisture: not dec. 14. Date Analyzed: 03/01/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene chloride	12.	U
67-64-1	Acetone	15.	~~B~~ U
75-15-0	Carbon disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
544-59-2	1,2-Dichloroethene (Total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	Cis-1,3-dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	Trans-1,3-dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (Total)	12.	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B172

b Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-09

ample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26909

evel: (low/med) LOW Date Received: 02/25/94

Moisture: not dec. 14. Date Analyzed: 03/01/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene chloride	12.	U
67-64-1	Acetone	16.	~~B~~ U
75-15-0	Carbon disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
544-59-2	1,2-Dichloroethene (Total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	Cis-1,3-dichloropropene	12.	U
79-01-6	Trichloroethene	9.	J
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	Trans-1,3-dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	12.	U
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (Total)	12.	U

U

FORM I VOA 3/90

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B173

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-10

ample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26910

evel: (low/med) LOW Date Received: 02/25/94

Moisture: not dec. 26. Date Analyzed: 03/01/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14.	U
74-83-9	Bromomethane	14.	U
75-01-4	Vinyl chloride	14.	U
75-00-3	Chloroethane	14.	U
75-09-2	Methylene chloride	14.	U
67-64-1	Acetone	~~10.~~	~~BJ~~ 14 U
75-15-0	Carbon disulfide	14.	U
75-35-4	1,1-Dichloroethene	14.	U
75-34-3	1,1-Dichloroethane	14.	U
544-59-2	1,2-Dichloroethene (Total)	14.	U
67-66-3	Chloroform	14.	U
107-06-2	1,2-Dichloroethane	14.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	14.	U
56-23-5	Carbon tetrachloride	14.	U
75-27-4	Bromodichloromethane	14.	U
78-87-5	1,2-Dichloropropane	14.	U
10061-01-5	Cis-1,3-dichloropropene	14.	U
79-01-6	Trichloroethene	14.	U
124-48-1	Dibromochloromethane	14.	U
79-00-5	1,1,2-Trichloroethane	14.	U
71-43-2	Benzene	14.	U
10061-02-6	Trans-1,3-dichloropropene	14.	U
75-25-2	Bromoform	14.	U
108-10-1	4-Methyl-2-pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	14.	U
108-88-3	Toluene	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (Total)	14.	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B174

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-11

ample wt/vol: 5.000 (g/mL) G Lab File ID: MPF26911

evel: (low/med) LOW Date Received: 02/25/94

Moisture: not dec. 21. Date Analyzed: 03/01/94

C Column: DB-624 ID: .53 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene chloride	13.	U
67-64-1	Acetone	~~12.~~	~~BJ~~ 13 U
75-15-0	Carbon disulfide	13.	U
75-35-4	1,1-Dichloroethene	13.	U
75-34-3	1,1-Dichloroethane	13.	U
544-59-2	1,2-Dichloroethene (Total)	13.	U
67-66-3	Chloroform	13.	U
107-06-2	1,2-Dichloroethane	13.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	13.	U
56-23-5	Carbon tetrachloride	13.	U
75-27-4	Bromodichloromethane	13.	U
78-87-5	1,2-Dichloropropane	13.	U
10061-01-5	Cis-1,3-dichloropropene	13.	U
79-01-6	Trichloroethene	13.	U
124-48-1	Dibromochloromethane	13.	U
79-00-5	1,1,2-Trichloroethane	13.	U
71-43-2	Benzene	13.	U
10061-02-6	Trans-1,3-dichloropropene	13.	U
75-25-2	Bromoform	13.	U
108-10-1	4-Methyl-2-pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	13.	U
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (Total)	13.	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B162

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26901

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: 16. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400.	U
111-44-4	bis(2-Chloroethyl)ether	400.	U
95-57-8	2-Chlorophenol	400.	U
541-73-1	1,3-Dichlorobenzene	400.	U
106-46-7	1,4-Dichlorobenzene	400.	U
95-50-1	1,2-Dichlorobenzene	400.	U
95-48-7	2-Methylphenol	400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400.	U
106-44-5	4-Methylphenol	400.	U
621-64-7	N-Nitroso-di-n-propylamine	400.	U
67-72-1	Hexachloroethane	400.	U
98-95-3	Nitrobenzene	400.	U
78-59-1	Isophorone	400.	U
88-75-5	2-Nitrophenol	400.	U
105-67-9	2,4-Dimethylphenol	400.	U
111-91-1	bis(2-Chloroethoxy)methane	400.	U
120-83-2	2,4-Dichlorophenol	400.	U
120-82-1	1,2,4-Trichlorobenzene	400.	U
91-20-3	Naphthalene	400.	U
106-47-8	4-Chloroaniline	400.	U
87-68-3	Hexachlorobutadiene	400.	U
59-50-7	4-Chloro-3-methylphenol	400.	U
91-57-6	2-Methylnaphthalene	400.	U
77-47-4	Hexachlorocyclopentadiene	400.	U
88-06-2	2,4,6-Trichlorophenol	400.	U
95-95-4	2,4,5-Trichlorophenol	990.	U
91-58-7	2-Chloronaphthalene	400.	U
88-74-4	2-Nitroaniline	990.	U
131-11-3	Dimethylphthalate	400.	U
208-96-8	Acenaphthylene	400.	U
606-20-2	2,6-Dinitrotoluene	400.	U
99-09-2	3-Nitroaniline	990.	U
83-32-9	Acenaphthene	400.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B162

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26901

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: 16. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990.	U
100-02-7	4-Nitrophenol	990.	U
132-64-9	Dibenzofuran	400.	U
121-14-2	2,4-Dinitrotoluene	400.	U
84-66-2	Diethylphthalate	400.	U
7005-72-3	4-Chlorophenyl-phenylether	400.	U
86-73-7	Fluorene	400.	U
100-01-6	4-Nitroaniline	990.	U
534-52-1	4,6-Dinitro-2-methylphenol	990.	U
86-30-6	N-Nitrosodiphenylamine (1)	400.	U
101-55-3	4-Bromophenyl-phenylether	400.	U
118-74-1	Hexachlorobenzene	400.	U
87-86-5	Pentachlorophenol	990.	U
85-01-8	Phenanthrene	400.	U
120-12-7	Anthracene	400.	U
86-74-8	Carbazole	400.	U
84-74-2	Di-n-butylphthalate	400.	U
206-44-0	Fluoranthene	250.	J
129-00-0	Pyrene	190.	J
85-68-7	Butylbenzylphthalate	400.	U
91-94-1	3,3'-Dichlorobenzidine	400.	U
56-55-3	Benzo(a)anthracene	400.	U
218-01-9	Chrysene	400.	U
117-81-7	bis(2-Ethylhexyl)phthalate	400.	U
117-84-0	Di-n-octylphthalate	400.	U
205-99-2	Benzo(b)fluoranthene	400.	U
207-08-9	Benzo(k)fluoranthene	400.	U
50-32-8	Benzo(a)pyrene	400.	U
193-39-5	Indeno(1,2,3-cd)pyrene	400.	U
53-70-3	Dibenz(a,h)anthracene	400.	U
191-24-2	Benzo(g,h,i)perylene	400.	U

(1) - Cannot be separated from diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B163

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-02

ample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26902

evel: (low/med) LOW Date Received: 02/24/94

Moisture: 15. decanted: (Y/N) N Date Extracted: 03/09/94

oncentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

njection Volume: 2.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	980.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	980.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	980.	U
83-32-9	Acenaphthene	390.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B163

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26902

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: 15. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980.	U
100-02-7	4-Nitrophenol	980.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	980.	U
534-52-1	4,6-Dinitro-2-methylphenol	980.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	980.	U
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	390.	U
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	390.	U
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	U
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B164

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26903

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: 11. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	940.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	940.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U
99-09-2	3-Nitroaniline	940.	U
83-32-9	Acenaphthene	380.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B164

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26903

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: 11. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940.	U
100-02-7	4-Nitrophenol	940.	U
132-64-9	Dibenzofuran	380.	U
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	380.	U
100-01-6	4-Nitroaniline	940.	U
534-52-1	4,6-Dinitro-2-methylphenol	940.	U
86-30-6	N-Nitrosodiphenylamine (1)	380.	U
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	940.	U
85-01-8	Phenanthrene	380.	U
120-12-7	Anthracene	380.	U
86-74-8	Carbazole	380.	U
84-74-2	Di-n-butylphthalate	380.	U
206-44-0	Fluoranthene	380.	U
129-00-0	Pyrene	380.	U
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	380.	U
56-55-3	Benzo(a)anthracene	380.	U
218-01-9	Chrysene	380.	U
117-81-7	bis(2-Ethylhexyl)phthalate	380.	U
117-84-0	Di-n-octylphthalate	380.	U
205-99-2	Benzo(b)fluoranthene	380.	U
207-08-9	Benzo(k)fluoranthene	380.	U
50-32-8	Benzo(a)pyrene	380.	U
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenz(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B165

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) WATER Lab Sample ID: 9402269-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPF26904

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/01/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/18/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	25.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B165

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) WATER Lab Sample ID: 9402269-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: MPF26904

Level: (low/med) LOW Date Received: 02/24/94

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 03/01/94

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 03/18/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B166

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26905

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 15. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	980.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	980.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	980.	U
83-32-9	Acenaphthene	390.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B166

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26905

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 15. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980.	U
100-02-7	4-Nitrophenol	980.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	980.	U
534-52-1	4,6-Dinitro-2-methylphenol	980.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	980.	U
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	390.	U
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	390.	U
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	U
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B167

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26906

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 26. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450.	U
111-44-4	bis(2-Chloroethyl)ether	450.	U
95-57-8	2-Chlorophenol	450.	U
541-73-1	1,3-Dichlorobenzene	450.	U
106-46-7	1,4-Dichlorobenzene	450.	U
95-50-1	1,2-Dichlorobenzene	450.	U
95-48-7	2-Methylphenol	450.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450.	U
106-44-5	4-Methylphenol	450.	U
621-64-7	N-Nitroso-di-n-propylamine	450.	U
67-72-1	Hexachloroethane	450.	U
98-95-3	Nitrobenzene	450.	U
78-59-1	Isophorone	450.	U
88-75-5	2-Nitrophenol	450.	U
105-67-9	2,4-Dimethylphenol	450.	U
111-91-1	bis(2-Chloroethoxy)methane	450.	U
120-83-2	2,4-Dichlorophenol	450.	U
120-82-1	1,2,4-Trichlorobenzene	450.	U
91-20-3	Naphthalene	450.	U
106-47-8	4-Chloroaniline	450.	U
87-68-3	Hexachlorobutadiene	450.	U
59-50-7	4-Chloro-3-methylphenol	450.	U
91-57-6	2-Methylnaphthalene	450.	U
77-47-4	Hexachlorocyclopentadiene	450.	U
88-06-2	2,4,6-Trichlorophenol	450.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	450.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	450.	U
208-96-8	Acenaphthylene	450.	U
606-20-2	2,6-Dinitrotoluene	450.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	450.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B167

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26906

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 26. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100.	U
100-02-7	4-Nitrophenol	1100.	U
132-64-9	Dibenzofuran	450.	U
121-14-2	2,4-Dinitrotoluene	450.	U
84-66-2	Diethylphthalate	450.	U
7005-72-3	4-Chlorophenyl-phenylether	450.	U
86-73-7	Fluorene	450.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	450.	U
101-55-3	4-Bromophenyl-phenylether	450.	U
118-74-1	Hexachlorobenzene	450.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	450.	U
120-12-7	Anthracene	450.	U
86-74-8	Carbazole	450.	U
84-74-2	Di-n-butylphthalate	450.	U
206-44-0	Fluoranthene	450.	U
129-00-0	Pyrene	450.	U
85-68-7	Butylbenzylphthalate	450.	U
91-94-1	3,3'-Dichlorobenzidine	450.	U
56-55-3	Benzo(a)anthracene	450.	U
218-01-9	Chrysene	450.	U
117-81-7	bis(2-Ethylhexyl)phthalate	450.	U
117-84-0	Di-n-octylphthalate	450.	U
205-99-2	Benzo(b)fluoranthene	450.	U
207-08-9	Benzo(k)fluoranthene	450.	U
50-32-8	Benzo(a)pyrene	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	450.	U
53-70-3	Dibenz(a,h)anthracene	450.	U
191-24-2	Benzo(g,h,i)perylene	450.	U

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B171

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26908

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 14. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	970.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	970.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	970.	U
83-32-9	Acenaphthene	390.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B171

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26908

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 14. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970.	U
100-02-7	4-Nitrophenol	970.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	970.	U
534-52-1	4,6-Dinitro-2-methylphenol	970.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	970.	U
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	390.	U
206-44-0	Fluoranthene	180.	J
129-00-0	Pyrene	160.	J
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	U
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B172

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26909

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 14. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	960.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	960.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U
99-09-2	3-Nitroaniline	960.	U
83-32-9	Acenaphthene	390.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B172

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26909

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 14. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960.	U
100-02-7	4-Nitrophenol	960.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	960.	U
534-52-1	4,6-Dinitro-2-methylphenol	960.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	960.	U
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
86-74-8	Carbazole	390.	U
84-74-2	Di-n-butylphthalate	390.	U
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	390.	U
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	390.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	U
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B173

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26910

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 26. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450.	U
111-44-4	bis(2-Chloroethyl)ether	450.	U
95-57-8	2-Chlorophenol	450.	U
541-73-1	1,3-Dichlorobenzene	450.	U
106-46-7	1,4-Dichlorobenzene	450.	U
95-50-1	1,2-Dichlorobenzene	450.	U
95-48-7	2-Methylphenol	450.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450.	U
106-44-5	4-Methylphenol	450.	U
621-64-7	N-Nitroso-di-n-propylamine	450.	U
67-72-1	Hexachloroethane	450.	U
98-95-3	Nitrobenzene	450.	U
78-59-1	Isophorone	450.	U
88-75-5	2-Nitrophenol	450.	U
105-67-9	2,4-Dimethylphenol	450.	U
111-91-1	bis(2-Chloroethoxy)methane	450.	U
120-83-2	2,4-Dichlorophenol	450.	U
120-82-1	1,2,4-Trichlorobenzene	450.	U
91-20-3	Naphthalene	450.	U
106-47-8	4-Chloroaniline	450.	U
87-68-3	Hexachlorobutadiene	450.	U
59-50-7	4-Chloro-3-methylphenol	450.	U
91-57-6	2-Methylnaphthalene	450.	U
77-47-4	Hexachlorocyclopentadiene	450.	U
88-06-2	2,4,6-Trichlorophenol	450.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	450.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	450.	U
208-96-8	Acenaphthylene	450.	U
606-20-2	2,6-Dinitrotoluene	450.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	450.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B173

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26910

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 26. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100.	U
100-02-7	4-Nitrophenol	1100.	U
132-64-9	Dibenzofuran	450.	U
121-14-2	2,4-Dinitrotoluene	450.	U
84-66-2	Diethylphthalate	450.	U
7005-72-3	4-Chlorophenyl-phenylether	450.	U
86-73-7	Fluorene	450.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	450.	U
101-55-3	4-Bromophenyl-phenylether	450.	U
118-74-1	Hexachlorobenzene	450.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	450.	U
120-12-7	Anthracene	450.	U
86-74-8	Carbazole	450.	U
84-74-2	Di-n-butylphthalate	450.	U
206-44-0	Fluoranthene	450.	U
129-00-0	Pyrene	450.	U
85-68-7	Butylbenzylphthalate	450.	U
91-94-1	3,3'-Dichlorobenzidine	450.	U
56-55-3	Benzo(a)anthracene	450.	U
218-01-9	Chrysene	450.	U
117-81-7	bis(2-Ethylhexyl)phthalate	450.	U
117-84-0	Di-n-octylphthalate	450.	U
205-99-2	Benzo(b)fluoranthene	450.	U
207-08-9	Benzo(k)fluoranthene	450.	U
50-32-8	Benzo(a)pyrene	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	450.	U
53-70-3	Dibenz(a,h)anthracene	450.	U
191-24-2	Benzo(g,h,i)perylene	450.	U

(1) - Cannot be separated from diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B174

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26911

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 20. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420.	U
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol	420.	U
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine	420.	U
67-72-1	Hexachloroethane	420.	U
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U
91-20-3	Naphthalene	420.	U
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol	420.	U
91-57-6	2-Methylnaphthalene	420.	U
77-47-4	Hexachlorocyclopentadiene	420.	U
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	420.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B174

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: MPF26911

Level: (low/med) LOW Date Received: 02/25/94

% Moisture: 20. decanted: (Y/N) N Date Extracted: 03/09/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 03/17/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	420.	U
121-14-2	2,4-Dinitrotoluene	420.	U
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	420.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	420.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	420.	U
120-12-7	Anthracene	420.	U
86-74-8	Carbazole	420.	U
84-74-2	Di-n-butylphthalate	420.	U
206-44-0	Fluoranthene	420.	U
129-00-0	Pyrene	420.	U
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	420.	U
56-55-3	Benzo(a)anthracene	420.	U
218-01-9	Chrysene	420.	U
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	420.	U
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	420.	U

(1) - Cannot be separated from diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B162

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-01

ample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26901

Moisture: 16. decanted: (Y/N) N Date Received: 02/24/94

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

oncentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

njection Volume: 1.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan Sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin Ketone	4.0	U
7421-93-4	Endrin Aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	40.	U
11104-28-2	Aroclor-1221	79.	U
11141-16-5	Aroclor-1232	40.	U
53469-21-9	Aroclor-1242	40.	U
12672-29-6	Aroclor-1248	40.	U
11097-69-1	Aroclor-1254	40.	U
11096-82-5	Aroclor-1260	40.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B163

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-02

ample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26902

Moisture: 15. decanted: (Y/N) N Date Received: 02/24/94

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

oncentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

njection Volume: 1.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan Sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin Ketone	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	79.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B164

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-03

ample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26903

Moisture: 11. decanted: (Y/N) N Date Received: 02/24/94

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

oncentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

njection Volume: 1.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan Sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin Ketone	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	75.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	38.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B165

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) WATER Lab Sample ID: 9402269-04

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: EPF26904

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/24/94

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 03/01/94

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 03/08/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor Epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin Ketone	.10	U
7421-93-4	Endrin Aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B166

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26905

% Moisture: 15. decanted: (Y/N) N Date Received: 02/25/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

Concentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan Sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin Ketone	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B167

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26906

Moisture: 26. decanted: (Y/N) N Date Received: 02/24/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

Concentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor Epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan Sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23.	U
53494-70-5	Endrin Ketone	4.5	U
7421-93-4	Endrin Aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230.	U
12674-11-2	Aroclor-1016	45.	U
11104-28-2	Aroclor-1221	90.	U
11141-16-5	Aroclor-1232	45.	U
53469-21-9	Aroclor-1242	45.	U
12672-29-6	Aroclor-1248	45.	U
11097-69-1	Aroclor-1254	45.	U
11096-82-5	Aroclor-1260	45.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B171

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-08

ample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26908

Moisture: 14. decanted: (Y/N) N Date Received: 02/25/94

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

oncentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

njection Volume: 1.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan Sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin Ketone	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B172

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26909

% Moisture: 14. decanted: (Y/N) N Date Received: 02/25/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

Concentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor Epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan Sulfate	3.9	U
50-29-3	4,4'-DDT	13.	
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin Ketone	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	77.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B173

ab Name: Anametrix, Inc. Contract:

ab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

atrix: (soil/water) SOIL Lab Sample ID: 9402269-10

ample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26910

Moisture: 26. decanted: (Y/N) N Date Received: 02/25/94

xtraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

oncentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

njection Volume: 1.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor Epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan Sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23.	U
53494-70-5	Endrin Ketone	4.5	U
7421-93-4	Endrin Aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230.	U
12674-11-2	Aroclor-1016	45.	U
11104-28-2	Aroclor-1221	90.	U
11141-16-5	Aroclor-1232	45.	U
53469-21-9	Aroclor-1242	45.	U
12672-29-6	Aroclor-1248	45.	U
11097-69-1	Aroclor-1254	45.	U
11096-82-5	Aroclor-1260	45.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B174

Lab Name: Anametrix, Inc. Contract:

Lab Code: ANAMET Case No.: 142 SAS No.: SDG No.: B162

Matrix: (soil/water) SOIL Lab Sample ID: 9402269-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EPF26911

% Moisture: 21. decanted: (Y/N) N Date Received: 02/25/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/08/94

Concentrated Extract Volume: 5000.0 (uL) Date Analyzed: 03/16/94

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor Epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan Sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin Ketone	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Aroclor-1016	42.	U
11104-28-2	Aroclor-1221	84.	U
11141-16-5	Aroclor-1232	42.	U
53469-21-9	Aroclor-1242	42.	U
12672-29-6	Aroclor-1248	42.	U
11097-69-1	Aroclor-1254	42.	U
11096-82-5	Aroclor-1260	42.	U

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

__B162

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-01

Level (low/med): LOW Date Received: 02/24/94

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	13500			P	
7440-36-0	Antimony	6.1	U	N	P	UJ
7440-38-2	Arsenic	7.4			P	
7440-39-3	Barium	306			P	
7440-41-7	Beryllium	0.31	B		P	U
7440-43-9	Cadmium	0.31	B		P	
7440-70-2	Calcium	28400			P	
7440-47-3	Chromium	276			P	
7440-48-4	Cobalt	45.9			P	
7440-50-8	Copper	135		*	P	
7439-89-6	Iron	35500			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	217		*	P	
7439-95-4	Magnesium	52700		*	P	J
7439-96-5	Manganese	2360		*	P	
7439-97-6	Mercury	75.5			CV	
7439-98-7	Molybdenum	1.2	U		P	
7440-02-0	Nickel	520		*	P	
7440-09-7	Potassium	1230			P	
7782-49-2	Selenium	0.87	B		P	U
7440-22-4	Silver	0.86	U		P	
7440-23-5	Sodium	824	B		P	
7440-28-0	Thallium	0.33	U		P	
7440-62-2	Vanadium	70.8			P	
7440-66-6	Zinc	271		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000318

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

__B163

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-02

Level (low/med): LOW Date Received: 02/24/94

% Solids: 84.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	33400			P	
7440-36-0	Antimony	13.7	B	N	P	W
7440-38-2	Arsenic	2.8			P	
7440-39-3	Barium	291			P	
7440-41-7	Beryllium	0.53	B		P	U
7440-43-9	Cadmium	0.45	B		P	
7440-70-2	Calcium	25400			P	
7440-47-3	Chromium	88.1			P	
7440-48-4	Cobalt	38.5			P	
7440-50-8	Copper	81.9		*	P	
7439-89-6	Iron	46300			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	57.2		*	P	
7439-95-4	Magnesium	21200		*	P	J
7439-96-5	Manganese	1740		*	P	
7439-97-6	Mercury	0.06	U		CV	
7439-98-7	Molybdenum	1.2	U		P	
7440-02-0	Nickel	106		*	P	
7440-09-7	Potassium	903	B		P	
7782-49-2	Selenium	0.76	B		P	U
7440-22-4	Silver	0.85	U		P	
7440-23-5	Sodium	678	B		P	
7440-28-0	Thallium	0.33	U		P	
7440-62-2	Vanadium	111			P	
7440-66-6	Zinc	131		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000319

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

B164

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-03

Level (low/med): LOW Date Received: 02/24/94

% Solids: 88.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	31700			P	
7440-36-0	Antimony	8.8	B	N	P	UJ
7440-38-2	Arsenic	2.1	B		P	
7440-39-3	Barium	228			P	
7440-41-7	Beryllium	0.41	B		P	U
7440-43-9	Cadmium	0.27	U		P	
7440-70-2	Calcium	19600			P	
7440-47-3	Chromium	76.7			P	
7440-48-4	Cobalt	46.0			P	
7440-50-8	Copper	54.0		*	P	
7439-89-6	Iron	53000			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	0.14	U	*	P	
7439-95-4	Magnesium	27400		*	P	J
7439-96-5	Manganese	1140		*	P	
7439-97-6	Mercury	0.06	B		CV	
7439-98-7	Molybdenum	1.1	U		P	
7440-02-0	Nickel	102		*	P	
7440-09-7	Potassium	574	B		P	
7782-49-2	Selenium	0.48	B		P	U
7440-22-4	Silver	0.81	U		P	
7440-23-5	Sodium	635	B		P	
7440-28-0	Thallium	0.32	U		P	
7440-62-2	Vanadium	122			P	
7440-66-6	Zinc	59.9		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000320

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B165

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): WATER Lab Sample ID: 02269-04

Level (low/med): LOW Date Received: 02/24/94

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11.0	U		P	
7440-36-0	Antimony	25.5	U		P	
7440-38-2	Arsenic	3.2	U		F	
7440-39-3	Barium	5.6	U		P	
7440-41-7	Beryllium	0.21	B		P	u
7440-43-9	Cadmium	1.2	U		P	
7440-70-2	Calcium	84.7	U		P	
7440-47-3	Chromium	2.3	U		P	
7440-48-4	Cobalt	2.7	U		P	
7440-50-8	Copper	1.2	U		P	
7439-89-6	Iron	162			P	u
7439-92-1	Lead-GF	1.2	U		F	
7439-92-1	Lead					
7439-95-4	Magnesium	51.1	U		P	
7439-96-5	Manganese	2.1	B		P	u
7439-97-6	Mercury	0.10	U		CV	
7439-98-7	Molybdenum	5.0	U		P	
7440-02-0	Nickel	7.2	U		P	
7440-09-7	Potassium	421	U		P	
7782-49-2	Selenium	3.2	U		F	R
7440-22-4	Silver	3.6	U		P	
7440-23-5	Sodium	45.4	U		P	
7440-28-0	Thallium	4.2	U		F	
7440-62-2	Vanadium	2.7	U		P	
7440-66-6	Zinc	4.5	B		P	u

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

000321

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B166

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-05

Level (low/med): LOW Date Received: 02/25/94

% Solids: 85.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	33200			P	
7440-36-0	Antimony	6.3	B	N	P	UJ
7440-38-2	Arsenic	2.1	B		P	
7440-39-3	Barium	206			P	
7440-41-7	Beryllium	0.46	B		P	U
7440-43-9	Cadmium	0.28	U		P	
7440-70-2	Calcium	24000			P	
7440-47-3	Chromium	64.0			P	
7440-48-4	Cobalt	36.8			P	
7440-50-8	Copper	50.3		*	P	
7439-89-6	Iron	47100			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	0.14	U	*	P	
7439-95-4	Magnesium	23800		*	P	J
7439-96-5	Manganese	848		*	P	
7439-97-6	Mercury	0.06	B		CV	
7439-98-7	Molybdenum	1.2	U		P	
7440-02-0	Nickel	76.6		*	P	
7440-09-7	Potassium	620	B		P	
7782-49-2	Selenium	0.33	U		P	
7440-22-4	Silver	0.85	U		P	
7440-23-5	Sodium	576	B		P	
7440-28-0	Thallium	0.33	U		P	
7440-62-2	Vanadium	106			P	
7440-66-6	Zinc	49.9		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000322

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B167

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-06

Level (low/med): LOW Date Received: 02/25/94

% Solids: 74.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	50800			P	
7440-36-0	Antimony	12.8	B	N	P	UJ
7440-38-2	Arsenic	3.0			P	
7440-39-3	Barium	256			P	
7440-41-7	Beryllium	0.81	B		P	U
7440-43-9	Cadmium	0.48	B		P	
7440-70-2	Calcium	37600			P	
7440-47-3	Chromium	86.9			P	
7440-48-4	Cobalt	46.3			P	
7440-50-8	Copper	36.3		*	P	
7439-89-6	Iron	64100			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	0.16	U	*	P	
7439-95-4	Magnesium	34600		*	P	J
7439-96-5	Manganese	1120		*	P	
7439-97-6	Mercury	0.07	B		CV	
7439-98-7	Molybdenum	1.4	U		P	
7440-02-0	Nickel	93.3		*	P	
7440-09-7	Potassium	795	B		P	
7782-49-2	Selenium	0.38	U		P	
7440-22-4	Silver	0.97	U		P	
7440-23-5	Sodium	639	B		P	
7440-28-0	Thallium	0.38	U		P	
7440-62-2	Vanadium	149			P	
7440-66-6	Zinc	69.4		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000323

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B171

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-08

Level (low/med): LOW Date Received: 02/25/94

% Solids: 85.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	28600			P	
7440-36-0	Antimony	6.2	B	N	P	UJ
7440-38-2	Arsenic	2.3			P	
7440-39-3	Barium	430			P	
7440-41-7	Beryllium	0.69	B		P	U
7440-43-9	Cadmium	0.28	U		P	
7440-70-2	Calcium	17800			P	
7440-47-3	Chromium	74.9			P	
7440-48-4	Cobalt	46.1			P	
7440-50-8	Copper	69.9		*	P	
7439-89-6	Iron	41200			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	1.2		*	P	
7439-95-4	Magnesium	21400		*	P	J
7439-96-5	Manganese	2220		*	P	
7439-97-6	Mercury	0.06	B		CV	
7439-98-7	Molybdenum	1.2	U		P	
7440-02-0	Nickel	179		*	P	
7440-09-7	Potassium	672	B		P	
7782-49-2	Selenium	0.78	B		P	U
7440-22-4	Silver	0.84	U		P	
7440-23-5	Sodium	673	B		P	
7440-28-0	Thallium	0.33	U		P	
7440-62-2	Vanadium	88.2			P	
7440-66-6	Zinc	66.2		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000324

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B172

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-09

Level (low/med): LOW Date Received: 02/25/94

% Solids: 84.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12600			P	
7440-36-0	Antimony	6.0	U	N	P	UJ
7440-38-2	Arsenic	3.3			P	
7440-39-3	Barium	148			P	
7440-41-7	Beryllium	0.44	B		P	U
7440-43-9	Cadmium	0.28	U		P	
7440-70-2	Calcium	2530			P	
7440-47-3	Chromium	168			P	
7440-48-4	Cobalt	16.8			P	
7440-50-8	Copper	18.2		*	P	
7439-89-6	Iron	42100			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	4.3		*	P	
7439-95-4	Magnesium	4090		*	P	J
7439-96-5	Manganese	422		*	P	
7439-97-6	Mercury	0.06	B		CV	
7439-98-7	Molybdenum	1.2	U		P	
7440-02-0	Nickel	90.2		*	P	
7440-09-7	Potassium	283	B		P	U
7782-49-2	Selenium	0.33	U		P	
7440-22-4	Silver	0.85	U		P	
7440-23-5	Sodium	415	B		P	
7440-28-0	Thallium	0.33	U		P	
7440-62-2	Vanadium	101			P	
7440-66-6	Zinc	45.4		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000325

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

__B173

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-10

Level (low/med): LOW Date Received: 02/25/94

% Solids: 73.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	28800			P	
7440-36-0	Antimony	6.9	U	N	P	UJ
7440-38-2	Arsenic	9.4			P	
7440-39-3	Barium	807			P	
7440-41-7	Beryllium	1.2	B		P	
7440-43-9	Cadmium	0.33	U		P	
7440-70-2	Calcium	3620			P	
7440-47-3	Chromium	83.7			P	
7440-48-4	Cobalt	96.0			P	
7440-50-8	Copper	133		*	P	
7439-89-6	Iron	56800			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	8.4		*	P	
7439-95-4	Magnesium	13000		*	P	J
7439-96-5	Manganese	4370		*	P	
7439-97-6	Mercury	0.07	B		CV	
7439-98-7	Molybdenum	1.4	U		P	
7440-02-0	Nickel	274		*	P	
7440-09-7	Potassium	935	B		P	
7782-49-2	Selenium	1.3	B		P	U
7440-22-4	Silver	0.98	U		P	
7440-23-5	Sodium	592	B		P	
7440-28-0	Thallium	0.38	U		P	
7440-62-2	Vanadium	145			P	
7440-66-6	Zinc	135		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000326

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B174

Lab Name: ANAMETRIX INC Contract: 000000

Lab Code: ANAMET Case No.: 142 SAS No.: 000000 SDG No.: B162

Matrix (soil/water): SOIL Lab Sample ID: 02269-11

Level (low/med): LOW Date Received: 02/25/94

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	18100			P	
7440-36-0	Antimony	6.4	U	N	P	UJ
7440-38-2	Arsenic	2.4	B		P	
7440-39-3	Barium	629			P	
7440-41-7	Beryllium	0.80	B		P	U
7440-43-9	Cadmium	0.30	U		P	
7440-70-2	Calcium	5790			P	
7440-47-3	Chromium	386			P	
7440-48-4	Cobalt	75.1			P	
7440-50-8	Copper	65.6		*	P	
7439-89-6	Iron	50600			P	
7439-92-1	Lead-GF					
7439-92-1	Lead	5.0		*	P	
7439-95-4	Magnesium	13300		*	P	J
7439-96-5	Manganese	3490		*	P	
7439-97-6	Mercury	0.09	B		CV	
7439-98-7	Molybdenum	2.2	B		P	U
7440-02-0	Nickel	889		*	P	
7440-09-7	Potassium	419	B		P	U
7782-49-2	Selenium	0.53	B		P	U
7440-22-4	Silver	0.91	U		P	
7440-23-5	Sodium	526	B		P	
7440-28-0	Thallium	0.35	U		P	
7440-62-2	Vanadium	75.7			P	
7440-66-6	Zinc	83.2		*	P	

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts:

Comments:

000327

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

'roject ID : 142
mple ID : B162
trix : SOIL
ate Sampled : 2/24/94
ate Analyzed : 3/ 1/94
nstrument ID : HP21

Anametrix ID : 9402269-01
Lab File ID : FRF26901
% Moisture : 16.

Dilution Factor : 5.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	600.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B163
Matrix : SOIL
Date Sampled : 2/24/94
Date Analyzed : 2/28/94
Instrument ID : HP21

Anametrix ID : 9402269-02
Lab File ID : FPF26902
% Moisture : 15.

Dilution Factor : 5.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	590.	ND	U

GC/TPH - PAGE

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

roject ID	: 142	Anametrix ID	: 9402269-03
mple ID	: B164	Lab File ID	: FPF26903
atrix	: SOIL	% Moisture	: 11.
ate Sampled	: 2/24/94	Dilution Factor	: 5.0
ate Analyzed	: 2/28/94	Conc. Units	: ug/Kg
nstrument ID	: HP21		

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	560.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B165
Matrix : WATER
Date Sampled : 2/24/94
Date Analyzed : 3/ 1/94
Instrument ID : HP21

Anametrix ID : 9402269-04
Lab File ID : FPF26904
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	~~33.~~	~~J~~ 50 U

GC/TPH - PAGE

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

Project ID	: 142	Anametrix ID	: 9402269-05
Sample ID	: B166	Lab File ID	: FPF26905
Matrix	: SOIL	% Moisture	: 15.
Date Sampled	: 2/25/94		
Date Analyzed	: 3/ 1/94	Dilution Factor	: 5.0
Instrument ID	: HP21	Conc. Units	: ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	590.	ND	U

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

Project ID : 142
Sample ID : B167
Matrix : SOIL
Date Sampled : 2/25/94
Date Analyzed : 3/ 1/94
Instrument ID : HP21

Anametrix ID : 9402269-06
Lab File ID : FPF26906
% Moisture : 26.

Dilution Factor : 5.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	680.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B170
Matrix : WATER
Date Sampled : 2/25/94
Date Analyzed : 3/ 1/94
Instrument ID : HP21

Anametrix ID : 9402269-07
Lab File ID : FPF26907
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	ND	U

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

Project ID	: 142	Anametrix ID	: 9402269-08
Sample ID	: B171	Lab File ID	: FPF26908
Matrix	: SOIL	% Moisture	: 14.
Date Sampled	: 2/25/94		
Date Analyzed	: 3/ 2/94	Dilution Factor	: 5.0
Instrument ID	: HP21	Conc. Units	: ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	580.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B172
Matrix : SOIL
Date Sampled : 2/25/94
Date Analyzed : 3/ 2/94
Instrument ID : HP21

Anametrix ID : 9402269-09
Lab File ID : FRF26909
% Moisture : 14.

Dilution Factor : 5.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	580.	ND	U

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

Project ID : 142
Sample ID : B173
Matrix : SOIL
Date Sampled : 2/25/94
Date Analyzed : 3/ 2/94
Instrument ID : HP21

Anametrix ID : 9402269-10
Lab File ID : FPF26910
% Moisture : 26.

Dilution Factor : 5.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	680.	ND	U

GC/TPH - PAGE

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

Project ID	: 142	Anametrix ID	: 9402269-11
Sample ID	: B174	Lab File ID	: FPF26911
Matrix	: SOIL	% Moisture	: 21.
Date Sampled	: 2/25/94		
Date Analyzed	: 3/ 2/94	Dilution Factor	: 5.0
Instrument ID	: HP21	Conc. Units	: ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	630.	ND	U

GC/TPH - PAGE

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

'roject ID : 142
ample ID : H560
trix : WATER
ate Sampled : 3/ 2/94
ate Analyzed : 3/ 4/94
nstrument ID : HP21

Anametrix ID : 9402269-12
Lab File ID : FPF26912
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
3333-33-3	Gasoline	50.	ND	U

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

Project ID	: 142	Anametrix ID	: 9402269-01
Sample ID	: B162	Lab File ID	: FPF26901
Matrix	: SOIL	% Moisture	: 16.
Date Sampled	: 2/24/94		
Date Extracted	: 3/ 8/94		
Amount Extracted	: 10.0 g	Dilution Factor	: 10.0
Date Analyzed	: 3/10/94	Conc. Units	: ug/Kg
Instrument ID	: HP9		

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	120000.	ND	U
4444-44-4	MOTOR OIL	120000.	680000.	

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B163
Matrix : SOIL
Date Sampled : 2/24/94
Date Extracted : 3/ 8/94
Amount Extracted : 10.0 g
Date Analyzed : 3/10/94
Instrument ID : HP9

Anametrix ID : 9402269-02
Lab File ID : FPF26902
% Moisture : 15.

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	12000.	ND	U
4444-44-4	MOTOR OIL	12000.	16000.	

GC/TPH - PAGE

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

'roject ID : 142
mple ID : B164
atrix : SOIL
ate Sampled : 2/24/94
ate Extracted : 3/ 8/94
mount Extracted : 10.0 g
ate Analyzed : 3/10/94
nstrument ID : HP9

Anametrix ID : 9402269-03
Lab File ID : FPF26903
% Moisture : 11.

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	11000.	ND	U
4444-44-4	MOTOR OIL	11000.	11000.	J

GC/TPH - PAGE

000264

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

Project ID	: 142	Anametrix ID	: 9402269-04
Sample ID	: B165	Lab File ID	: FPF26904
Matrix	: WATER	% Moisture	: 100.
Date Sampled	: 2/24/94		
Date Extracted	: 3/ 1/94		
Amount Extracted	: 1000.0 mL		
Date Analyzed	: 3/ 1/94	Dilution Factor	: 1.0
Instrument ID	: HP19	Conc. Units	: ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	~~U~~ R
4444-44-4	MOTOR OIL	100.	76.	J

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B165 RE
Matrix : WATER
Date Sampled : 2/24/94
Date Extracted : 3/ 2/94
Amount Extracted : 1000.0 mL
Date Analyzed : 3/ 2/94
Instrument ID : HP19

Anametrix ID : 9402269-04RE
Lab File ID : FRF26904
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	ND	~~U~~ UJ
4444-44-4	MOTOR OIL	100.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B166
Matrix : SOIL
Date Sampled : 2/25/94
Date Extracted : 3/ 8/94
Amount Extracted : 10.0 g
Date Analyzed : 3/10/94
Instrument ID : HP9

Anametrix ID : 9402269-05
Lab File ID : FPF26905
% Moisture : 15.

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	12000.	ND	U
4444-44-4	MOTOR OIL	12000.	6100.	J

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B167
Matrix : SOIL
Date Sampled : 2/25/94
Date Extracted : 3/ 8/94
Amount Extracted : 10.0 g
Date Analyzed : 3/10/94
Instrument ID : HP9

Anametrix ID : 9402269-06
Lab File ID : FPF26906
% Moisture : 26.

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	14000.	ND	U
4444-44-4	MOTOR OIL	14000.	7000.	J

GC/TPH - PAGE

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

Project ID	: 142	Anametrix ID	: 9402269-08
Sample ID	: B171	Lab File ID	: FPF26908
Matrix	: SOIL	% Moisture	: 14.
Date Sampled	: 2/25/94		
Date Extracted	: 3/ 8/94		
Amount Extracted	: 10.0 g		
Date Analyzed	: 3/10/94	Dilution Factor	: 1.0
Instrument ID	: HP9	Conc. Units	: ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	12000.	ND	U
4444-44-4	MOTOR OIL	12000.	89000.	

GC/TPH - PAGE

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

roject ID : 142
ample ID : B172
trix : SOIL
ate Sampled : 2/25/94
ate Extracted : 3/ 8/94
mount Extracted : 10.0 g
ate Analyzed : 3/10/94
nstrument ID : HP9

Anametrix ID : 9402269-09
Lab File ID : FPF26909
% Moisture : 14.

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	12000.	ND	U
4444-44-4	MOTOR OIL	12000.	78000.	

GC/TPH - PAGE

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

roject ID	: 142	Anametrix ID	: 9402269-10
mple ID	: B173	Lab File ID	: FPF26910
trix	: SOIL	% Moisture	: 26.
ate Sampled	: 2/25/94		
ate Extracted	: 3/ 8/94		
mount Extracted	: 10.0 g		
ate Analyzed	: 3/10/94	Dilution Factor	: 1.0
nstrument ID	: HP9	Conc. Units	: ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	14000.	ND	U
4444-44-4	MOTOR OIL	14000.	ND	U

GC/TPH - PAGE

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

Project ID : 142
Sample ID : B174
Matrix : SOIL
Date Sampled : 2/25/94
Date Extracted : 3/ 8/94
Amount Extracted : 10.0 g
Date Analyzed : 3/10/94
Instrument ID : HP9

Anametrix ID : 9402269-11
Lab File ID : FPF26911
% Moisture : 21.

Dilution Factor : 1.0
Conc. Units : ug/Kg

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	13000.	ND	U
4444-44-4	MOTOR OIL	13000.	ND	U

GC/TPH - PAGE

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

'roject ID : 142
ample ID : H560
trix : WATER
ate Sampled : 3/ 2/94
ate Extracted : 3/ 5/94
mount Extracted : 1000.0 mL
ate Analyzed : 3/ 7/94
nstrument ID : HP19

Anametrix ID : 9402269-12
Lab File ID : FPF26912
% Moisture : 100.

Dilution Factor : 1.0
Conc. Units : ug/L

CAS No.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
1111-11-1	DIESEL	100.	170.	
4444-44-4	MOTOR OIL	100.	130.	

GC/TPH - PAGE

ANALYSIS DATA SHEET - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1
ANAMETRIX LABORATORIES (408) 432-8192

Project # : 142
Matrix : SOIL
Date sampled : 02/24&25/94
Date ext. : 03/08/94
Date analyzed : 03/09/94

Anametrix I.D. : 02269
Analyst : BLS
Supervisor : CM
Date released : 03/10/94

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
02269-01	B162	6.0	68
02269-02	B163	5.9	12
02269-03	B164	5.6	6.2
02269-05	B166	5.9	4.5J
02269-06	B167	6.8	5.9J
02269-08	B171	5.8	44
02269-09	B172	5.8	44
02269-10	B173	6.8	4.1J
02269-11	B174	6.3	4.4J
02269-10	B173DU	6.8	4.3J
BM08H1WN	B162P1	5.0	ND

ND - Not detected above the reporting limit for the method.

Reference - Methods for Chemical Analysis of Water and Wastes, 3rd edition, US EPA-600/4-79-020, March 1983.

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

000302

ANALYSIS DATA SHEET - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
EPA METHOD 418.1
ANAMETRIX LABORATORIES (408) 432-8192

Project # : 142
Matrix : WATER
Date sampled : 02/24,03/02/94
Date ext. : 03/07/94
Date analyzed : 03/08/94

Anametrix I.D. : 02269
Analyst : HD
Supervisor : CM
Date released : 03/10/94

Workorder #	Sample I.D.	Reporting Limit (mg/L)	Amount Found (mg/L)
02269-04	B165	1.0	ND
02269-12	H560	1.0	ND
BM0711WK	B162P2	1.0	ND

ND - Not detected above the reporting limit for the method.

Reference - Methods for Chemical Analysis of Water and Wastes, 3rd edition, US EPA-600/4-79-020, March 1983.

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

000304

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

Analyte-Method: pH-9045
Project I.D. : 142
Matrix : SOIL
Reporting Unit: pH units

Analyst : CH
Supervisor : MN
Date Sampled : 02/24-02/25/94
Date Released : 03/22/94
Instrument I.D. : OR2

ANAMETRIX SAMPLE I.D.	CLIENT I.D.	DATE PREPARED	DATE ANALYZED	REP. LIMIT	DIL. FACTOR	RESULT	Q
9402269-01	B162	02/25/94	02/25/94	+/-0.1		8.4	
9402269-02	B163	02/25/94	02/25/94	+/-0.1		8.5	
9402269-02D	B163D	02/25/94	02/25/94	+/-0.1		8.4	
9402269-03	B164	02/25/94	02/25/94	+/-0.1		8.5	
9402269-05	B166	02/26/94	02/26/94	+/-0.1		8.5	
9402269-06	B167	02/26/94	02/26/94	+/-0.1		8.5	
9402269-06D	B167D	02/26/94	02/26/94	+/-0.1		8.5	
9402269-08	B171	02/26/94	02/26/94	+/-0.1		8.3	
9402269-09	B172	02/26/94	02/26/94	+/-0.1		7.9	
9402269-10	B173	02/26/94	02/26/94	+/-0.1		8.0	
9402269-11	B174	02/26/94	02/26/94	+/-0.1		8.1	
MB0225S	B162P1	02/25/94	02/25/94	+/-0.1		6.4	
MB0226S	B162P2	02/26/94	02/26/94	+/-0.1		6.3	

COMMENT:

000314

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

Analyte-Method: pH-9040
Project I.D. : 142
Matrix : WATER
Reporting Unit: pH units

Analyst : CH
Supervisor : MN
Date Sampled : 02/24/94
Date Released : 03/22/94
Instrument I.D. : OR2

ANAMETRIX SAMPLE I.D.	CLIENT I.D.	DATE PREPARED	DATE ANALYZED	REP. LIMIT	DIL. FACTOR	RESULT	Q
9402269-04	B165	02/25/94	02/25/94	+/-0.1		5.8	

COMMENT:

000315