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REV 001

0231 F

Rev. 1
2/2/88
- 3 -
2-3-1

US ENVIRONMENTAL PROTECTION AGENCY
60 Westview Street
Lexington, MA 02173

DATE: February 2, 1988

SUBJECT: Gas Chromatography-Mass Spectrometry Analysis of
Extractable Organics in Soils and Sediments -
Revere Textile Prints Corp., Sterling, CT

FROM: Suresh Srivastava, *Ed. assigned for Joe Montanaro a hand*
Joseph Montanaro & Richard Siscanaw *himself*

TO: Daniel Granz & Edward Kim

THRU: Dr. William J. Andrade, *WJA* Chief, Chemistry Section

PROJECT NUMBER: 870150

ANALYTICAL PROCEDURE:

EPA Consensus Protocol 'Organic Analysis, Multi-Media, Multi-Concentration' 5/84 (IFB WA 84-A266). The sample was screened with a flame ionization detector prior to the gas chromatograph-mass spectrometer analysis.

Date(s) Samples Received by the Laboratory: 05/04/87

Date Samples Analyzed: 12/10/87-12/15/87

Reference Book: 59, Data disc 20

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QUALITY CONTROL:

1. A laboratory blank was analyzed before the sample analysis.
2. Each sample was spiked with several surrogate compounds at approximately 9 mg/kg concentration. The results for the surrogate recoveries are reported out for each sample.
3. One sample, 86801 was spiked with the following compounds at approximately 30 mg/kg concentration.

Sample Number	Compound	Rec. (%)	QC Range (%)	Comments
86801	Phenol	144	23-80	
	1,4-Dichlorobenzene	77	33-110	
	N-Nitrosodipropylamine	104	34-110	
	1,2,4-Trichlorobenzene	92	38-110	
	4-Chloro-3-methylphenol	144	32-110	
	Acenaphthene	105	57-120	
	2,4-Dinitrotoluene	102	43-110	
	4-Nitrophenol	131	15-90	
	Pentachlorophenol	90	19-120	
	Di-n-butylphthalate	83	13-110	
	Pyrene	74	25-140	

4. Duplicate analysis was done on the following sample. The results are for the quantitated priority pollutants and hazardous substances. The reported data is the average of both analysis.

Sample Number	Compound	#1 (mg/kg)	#2 (mg/kg)
86801	Aniline	9.2	12
	Phenol	6.0	8.1
	Naphthalene	---	<3.3
	Acenaphthylene	<3.3	---
	Acenaphthene	<3.3	<3.3
	Fluorene	<3.3	<3.3
	Phenanthrene	7.5	20
	Anthracene	<3.3	<3.3
	Fluoranthene	12	27
	Pyrene	11	22

(con't)

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Duplicate analysis results continued:

Sample Number	Compound	#1 (mg/kg)	#2 (mg/kg)
86801cont.	Butylbenzylphthalate	<3.3	---
	Benz(a)anthracene	3.9	13
	Chrysene	8.7	16
	Bis(2-ethylhexyl) Phthalate	<3.3	<3.3
	Di-n-octylphthalate	<3.3	---
	Benzo(b) fluoranthene	12	25
	Benzo(a) pyrene	6.6	15
	Indeno(1,2,3-cd)pyrene	5.5	9.6
	Benzo(ghi)perylene	5.5	4.6
	Dibenzo(ah)anthracene	---	<3.3
	Dibenzofuran	---	<3.3

Samples Analyzed: 86496,86497,86500,86801,86802,86803 & 86804

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Lexington, MA 02173

ANALYTICAL PARAMETERS

INSTRUMENTS:

Hewlett Packard 5880 Gas Chromatograph
Hewlett Packard 5987 Gas Chromatograph-Mass Spectrometer

FID Screening Conditions:

Gas:	Hydrogen
Capillary Column:	DB-5, 30m, 0.25mm ID, 0.25 micron film thickness
Injection Mode:	Splitless
Temperature Program:	Isothermal for 1 min at 50 C, programmed at 8 C/min to 320 C

GC-MS Conditions:

Gas:	Helium
Capillary Column:	DB-5, 60m, 0.25mm ID, 0.25 micron film thickness
Injection Mode:	Splitless
Temperature Program:	Isothermal for 1 min at 50 C, programmed at 8 C/min to 320 C
Injector, Transfer Temperatures:	280 C, 295 C
Electron Energy:	70 V
Mass Range:	35-450
Scan Rate:	0.9 sec

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US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86803 Sample pH:
SAMPLE LOCATION: By River, water plus soil Percent Moisture: 49.9
DATE OF COLLECTION: 4/12/87
TIME OF COLLECTION: 12:12
SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
Priority Pollutants					
83-32-9	34205	Acenaphthene	ND	16.5	
208-96-8	34200	Acenaphthylene	ND	16.5	
120-12-7	34220	Anthracene	ND	16.5	
309-00-2	39330	Aldrin	ND	16.5	
56-55-3	34526	Benzo(a)anthracene	ND	16.5	
205-99-2	34230	Benzo(b)fluoranthene	ND	16.5	
207-08-9	34242	Benzo(k)fluoranthene	ND	16.5	
50-32-8	34247	Benzo(a)pyrene	ND	16.5	
191-24-2	34521	Benzo(ghi)perylene	ND	16.5	
85-68-7	34292	Benzyl butyl phthalate	<16.5	16.5	
319-85-7	39338	beta-BHC	ND	16.5	
319-86-8	34259	delta-BHC	ND	16.5	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	16.5	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	16.5	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	63	16.5	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	16.5	
101-55-3	34636	4-Bromophenylphenyl ether	ND	16.5	
59-50-7	34452	4-Chloro-3-methylphenol	ND	16.5	
91-58-7	34581	2-Chloronaphthalene	ND	16.5	
95-57-8	34586	2-Chlorophenol	ND	16.5	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	16.5	
218-01-9	34320	Chrysene	ND	16.5	
72-54-8	39310	4,4'-DDD	<16.5	16.5	
72-55-9	39320	4,4'-DDE	ND	16.5	
50-29-3	39300	4,4'-DDT	ND	16.5	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	16.5	
84-74-2	39110	Di-n-butylphthalate	<16.5	16.5	
541-73-1	34566	1,3-Dichlorobenzene	ND	16.5	
95-50-1	34536	1,2-Dichlorobenzene	ND	16.5	
106-46-7	34571	1,4-Dichlorobenzene	ND	16.5	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	33	
120-83-2	34601	2,4-Dichlorophenol	ND	16.5	
60-57-1	39380	Dieldrin	ND	16.5	
84-66-2	34336	Diethylphthalate	ND	16.5	
105-67-9	34606	2,4-Dimethylphenol	ND	16.5	
131-11-3	34341	Dimethylphthalate	ND	16.5	
51-28-5	34616	2,4-Dinitrophenol	ND	80	
121-14-2	34611	2,4-Dinitrotoluene	ND	16.5	
606-20-2	34626	2,6-Dinitrotoluene	ND	16.5	

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US ENVIRONMENTAL PROTECTION AGENCY
REGION 1 LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86803
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
117-84-0	34596	Di-n-octylphthalate	ND	16.5	
206-44-0	34376	Fluoranthene	ND	16.5	
86-73-7	34381	Fluorene	ND	16.5	
76-44-8	39410	Heptachlor	ND	16.5	
1024-57-3	39420	Heptachlor epoxide	ND	16.5	
118-74-1	39700	Hexachlorobenzene	ND	16.5	
87-68-3	34391	Hexachlorobutadiene	ND	16.5	
77-47-4	34386	Hexachlorocyclopentadiene	ND	16.5	
67-72-1	34396	Hexachloroethane	ND	16.5	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	16.5	
78-59-1	34408	Isophorone	ND	16.5	
534-52-1	34657	2-methyl-4,6-dinitrophenol	ND	80	
91-20-3	34696	Naphthalene	ND	16.5	
98-95-3	34447	Nitrobenzene	ND	16.5	
88-75-5	34591	2-Nitrophenol	ND	16.5	
100-02-7	34646	4-Nitrophenol	ND	80	
86-30-3	34433	N-nitrosodiphenylamine	89	16.5	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	16.5	
87-86-5	39032	Pentachlorophenol	ND	80	
85-01-8	34461	Phenanthrene	ND	16.5	
108-95-2	34694	Phenol	>1300	16.5	
129-00-0	34469	Pyrene	ND	16.5	
120-82-1	34551	1,2,4--Trichlorobenzene	ND	16.5	
88-06-2	34621	2,4,6-Trichlorophenol	ND	16.5	
Hazardous Substances					
65-53-3	77089	Aniline	>650	16.5	
65-85-0	77247	Benzoic Acid	ND	80	
100-51-6	77147	Benzyl Alcohol	ND	16.5	
106-47-8		4-Chloroaniline	ND	16.5	
132-64-9	81302	Dibenzofuran	ND	16.5	
534-52-1		4,6-Dinitro-2-methylphenol	ND	80	
91-57-6		2-Methylnaphthalene	ND	16.5	
95-48-7		2-Methylphenol	17	16.5	
106-44-5		4-Methylphenol	<16.5	16.5	
88-74-4		2-Nitroaniline	ND	80	
99-09-2		3-Nitroaniline	ND	80	
100-01-6		4-Nitroaniline	ND	80	
95-95-4	34621	2,4,5-Trichlorophenol (con't)	ND	80	

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US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86803

Sample Results Continued:

Tentatively Identified Compounds

Methylbenzendiamine
Methylbenzenamine
Piperidinone
Dimethylbenzenamine
Methoxybenzenamine
Phenylfuran
Propylbenzenamine
Isocyanto-naphthalene
Propylbenzene
Dimethylpyridines
Isoquinoline
Methylenebisphenol

Sample Recoveries For Surrogate Compounds;	Recoveries (%)	QC Range (%)
Phenol,d5	NA	10-104
Nitrobenzene,d5	NA	19-115
Fluorobiphenyl	NA	17-125
2,4,6-Tribromophenol	NA	32-124
p-Terphenyl,d14	NA	34-126

Notes:

ND=none detected

~approximate

<=less than

>=greater than

NA=not available, due to sample dilution or interference

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US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86497 Sample pH:
SAMPLE LOCATION: ^{Small portion from way} Percent Moisture: 54.3
DATE OF COLLECTION: ^{11/10/87} Field duplicate of 86496
TIME OF COLLECTION:
SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Limit (mg/kg)	Comments
Priority Pollutants					
	34205	Acenaphthene	ND	0.66	
208-96-8	34200	Acenaphthylene	ND	0.66	
120-12-7	34220	Anthracene	ND	0.66	
309-00-2	39330	Aldrin	ND	0.66	
56-55-3	34526	Benzo(a)anthracene	ND	0.66	
205-99-2	34230	Benzo(b)fluoranthene	ND	0.66	
207-08-9	34242	Benzo(k)fluoranthene	ND	0.66	
50-32-8	34247	Benzo(a)pyrene	ND	0.66	
191-24-2	34521	Benzo(ghi)perylene	ND	0.66	
85-68-7	34292	Benzyl butyl phthalate	ND	0.66	
319-85-7	39338	beta-BHC	ND	0.66	
319-86-8	34259	delta-BHC	ND	0.66	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	0.66	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	0.66	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	ND	0.66	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	0.66	
101-55-3	34636	4-Bromophenylphenyl ether	ND	0.66	
59-50-7	34452	4-Chloro-3-methylphenol	ND	0.66	
91-58-7	34581	2-Chloronaphthalene	ND	0.66	
95-57-8	34586	2-Chlorophenol	ND	0.66	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	0.66	
218-01-9	34320	Chrysene	ND	0.66	
72-54-8	39310	4,4'-DDD	ND	0.66	
72-55-9	39320	4,4'-DDE	ND	0.66	
50-29-3	39300	4,4'-DDT	ND	0.66	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	0.66	
84-74-2	39110	Di-n-butylphthalate	ND	0.66	
541-73-1	34566	1,3-Dichlorobenzene	ND	0.66	
95-50-1	34536	1,2-Dichlorobenzene	ND	0.66	
106-46-7	34571	1,4-Dichlorobenzene	ND	0.66	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.32	
120-83-2	34601	2,4-Dichlorophenol	ND	0.66	
60-57-1	39380	Dieldrin	ND	0.66	
84-66-2	34336	Diethylphthalate	ND	0.66	
105-67-9	34606	2,4-Dimethylphenol	ND	0.66	
131-11-3	34341	Dimethylphthalate	ND	0.66	
51-28-5	34616	2,4-Dinitrophenol	ND	3.2	
121-14-2	34611	2,4-Dinitrotoluene	ND	0.66	
606-20-2	34626	2,6-Dinitrotoluene (con't)	ND	0.66	

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86497
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
117-84-0	34596	Di-n-octylphthalate	ND	0.66	
206-44-0	34376	Fluoranthene	ND	0.66	
86-73-7	34381	Fluorene	ND	0.66	
76-44-8	39410	Heptachlor	ND	0.66	
1024-57-3	39420	Heptachlor epoxide	ND	0.66	
118-74-1	39700	Hexachlorobenzene	ND	0.66	
87-68-3	34391	Hexachlorobutadiene	ND	0.66	
77-47-4	34386	Hexachlorocyclopentadiene	ND	0.66	
67-72-1	34396	Hexachloroethane	ND	0.66	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	0.66	
78-59-1	34408	Isophorone	ND	0.66	
534-52-1	34657	2-methyl-4,6-dinitrophenol	ND	3.2	
91-20-3	34696	Naphthalene	ND	0.66	
98-95-3	34447	Nitrobenzene	ND	0.66	
88-75-5	34591	2-Nitrophenol	ND	0.66	
100-02-7	34646	4-Nitrophenol	ND	3.2	
86-30-3	34433	N-Nitrosodiphenylamine	ND	0.66	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	0.66	
87-86-5	39032	Pentachlorophenol	ND	3.2	
85-01-8	34461	Phenanthrene	ND	0.66	
108-95-2	34694	Phenol	ND	0.66	
129-00-0	34469	Pyrene	ND	0.66	
120-82-1	34551	1,2,4--Trichlorobenzene	ND	0.66	
88-06-2	34621	2,4,6-Trichlorophenol	ND	0.66	
<u>Hazardous Substances</u>					
65-53-3	77089	Aniline	ND	0.66	
65-85-0	77247	Benzoic Acid	ND	3.2	
100-51-6	77147	Benzyl Alcohol	ND	0.66	
106-47-8		4-Chloroaniline	ND	0.66	
132-64-9	81302	Dibenzofuran	ND	0.66	
534-52-1		4,6-Dinitro-2-methylphenol	ND	3.2	
91-57-6		2-Methylnaphthalene	ND	0.66	
95-48-7		2-Methylphenol	ND	0.66	
106-44-5		4-Methylphenol	ND	0.66	
88-74-4		2-Nitroaniline	ND	3.2	
99-09-2		3-Nitroaniline	ND	3.2	
100-01-6		4-Nitroaniline	ND	3.2	
95-95-4	34621	2,4,5-Trichlorophenol (con't)	ND	3.2	

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US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86497

Sample Results Continued:

Tentatively Identified Compounds

None Found

Sample Recoveries For Surrogate Compounds;	Recoveries (%)	QC Range (%)
Phenol,d5	52	10-104
Nitrobenzene,d5	46	19-115
Fluorobiphenyl	40	17-125
2,4,6-Tribromophenol	18	32-124
p-Terphenyl,d14	52	34-126

Notes:

ND=none detected

~=approximate

<=less than

>=greater than

NA=not available, due to sample dilution or interference

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US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86496 Sample pH:
SAMPLE LOCATION: DOMESTIC WASTE Percent Moisture: 71.6
DATE OF COLLECTION: 4/10/89
TIME OF COLLECTION: 0950
ANALYSIS RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Limit (mg/kg)	Comments
Priority Pollutants					
83-32-9	34205	Acenaphthene	ND	1.32	
208-96-8	34200	Acenaphthylene	ND	1.32	
120-12-7	34220	Anthracene	ND	1.32	
309-00-2	39330	Aldrin	ND	1.32	
56-55-3	34526	Benzo(a)anthracene	ND	1.32	
205-99-2	34230	Benzo(b)fluoranthene	ND	1.32	
207-08-9	34242	Benzo(k)fluoranthene	ND	1.32	
50-32-8	34247	Benzo(a)pyrene	ND	1.32	
191-24-2	34521	Benzo(ghi)perylene	ND	1.32	
85-68-7	34292	Benzyl butyl phthalate	ND	1.32	
319-85-7	39338	beta-BHC	ND	1.32	
319-86-8	34259	delta-BHC	ND	1.32	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.32	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.32	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	ND	1.32	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.32	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.32	
59-50-7	34452	4-Chloro-3-methylphenol	ND	1.32	
91-58-7	34581	2-Chloronaphthalene	ND	1.32	
95-57-8	34586	2-Chlorophenol	ND	1.32	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.32	
218-01-9	34320	Chrysene	ND	1.32	
72-54-8	39310	4,4'-DDD	ND	1.32	
72-55-9	39320	4,4'-DDE	ND	1.32	
50-29-3	39300	4,4'-DDT	ND	1.32	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.32	
84-74-2	39110	Di-n-butylphthalate	ND	1.32	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.32	
95-50-1	34536	1,2-Dichlorobenzene	ND	1.32	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.32	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	2.64	
120-83-2	34601	2,4-Dichlorophenol	ND	1.32	
60-57-1	39380	Dieldrin	ND	1.32	
84-66-2	34336	Diethylphthalate	<1.32	1.32	
105-67-9	34606	2,4-Dimethylphenol	ND	1.32	
131-11-3	34341	Dimethylphthalate	ND	1.32	
51-28-5	34616	2,4-Dinitrophenol	ND	6.4	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.32	
606-20-2	34626	2,6-Dinitrotoluene (con't)	ND	1.32	

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0242

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86496

Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
117-84-0	34596	Di-n-octylphthalate	ND	1.32	
206-44-0	34376	Fluoranthene	ND	1.32	
86-73-7	34381	Fluorene	ND	1.32	
76-44-8	39410	Heptachlor	ND	1.32	
1024-57-3	39420	Heptachlor epoxide	ND	1.32	
118-74-1	39700	Hexachlorobenzene	ND	1.32	
87-68-3	34391	Hexachlorobutadiene	ND	1.32	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.32	
67-72-1	34396	Hexachloroethane	ND	1.32	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	1.32	
78-59-1	34408	Isophorone	ND	1.32	
534-52-1	34657	2-methyl-4,6-dinitrophenol	ND	6.4	
91-20-3	34696	Naphthalene	ND	1.32	
98-95-3	34447	Nitrobenzene	ND	1.32	
88-75-5	34591	2-Nitrophenol	ND	1.32	
100-02-7	34646	4-Nitrophenol	ND	6.4	
86-30-3	34433	N-nitrosodiphenylamine	ND	1.32	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.32	
87-86-5	39032	Pentachlorophenol	ND	6.4	
85-01-8	34461	Phenanthrene	ND	1.32	
108-95-2	34694	Phenol	ND	1.32	
129-00-0	34469	Pyrene	ND	1.32	
120-82-1	34551	1,2,4--Trichlorobenzene	ND	1.32	
88-06-2	34621	2,4,6-Trichlorophenol	ND	1.32	
Hazardous Substances					
65-53-3	77089	Aniline	ND	1.32	
65-85-0	77247	Benzoic Acid	<6.4	6.4	
100-51-6	77147	Benzyl Alcohol	ND	1.32	
106-47-8		4-Chloroaniline	ND	1.32	
132-64-9	81302	Dibenzofuran	ND	1.32	
534-52-1		4,6-Dinitro-2-methylphenol	ND	6.4	
91-57-6		2-Methylnaphthalene	ND	1.32	
95-48-7		2-Methylphenol	ND	1.32	
106-44-5		4-Methylphenol	ND	1.32	
88-74-4		2-Nitroaniline	ND	6.4	
99-09-2		3-Nitroaniline	ND	6.4	
100-01-6		4-Nitroaniline	ND	6.4	
95-95-4	34621	2,4,5-Trichlorophenol	ND	6.4	
(con't)					

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ADMINISTRATIVE RECORD

REV 001

0243

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86496

Sample Results Continued:

Tentatively Identified Compounds

Methyldecane

Sample Recoveries For Surrogate Compounds;	Recoveries (%)	QC Range (%)
Phenol, d5	82	10-104
Nitrobenzene, d5	78	19-115
Fluorobiphenyl	72	17-125
2,4,6-Tribromophenol	44	32-124
p-Terphenyl, d14	78	34-126

Notes:

ND=none detected

~≈approximate

<=less than

>=greater than

NA=not available, due to sample dilution or interference

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REVERSE TEXTILE PRINTS
ADMINISTRATIVE RECORD

REV 001

0244

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86804
SAMPLE LOCATION: WASTE
DATE OF COLLECTION: 4/12/87
TIME OF COLLECTION: 12:17
Sample pH: 4.6
Percent Moisture: 46.6

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Limit (mg/kg)	Comments

Priority Pollutants					
83-32-9	34205	Acenaphthene	ND	0.99	
208-96-8	34200	Acenaphthylene	ND	0.99	
120-12-7	34220	Anthracene	ND	0.99	
309-00-2	39330	Aldrin	ND	0.99	
56-55-3	34526	Benzo(a)anthracene	ND	0.99	
205-99-2	34230	Benzo(b)fluoranthene	ND	0.99	
207-08-9	34242	Benzo(k)fluoranthene	ND	0.99	
50-32-8	34247	Benzo(a)pyrene	ND	0.99	
191-24-2	34521	Benzo(ghi)perylene	ND	0.99	
85-68-7	34292	Benzyl butyl phthalate	ND	0.99	
319-85-7	39338	beta-BHC	ND	0.99	
319-86-8	34259	delta-BHC	ND	0.99	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	0.99	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	0.99	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	ND	0.99	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	0.99	
101-55-3	34636	4-Bromophenylphenyl ether	ND	0.99	
59-50-7	34452	4-Chloro-3-methylphenol	ND	0.99	
91-58-7	34581	2-Chloronaphthalene	ND	0.99	
95-57-8	34586	2-Chlorophenol	ND	0.99	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	0.99	
218-01-9	39320	Chrysene	ND	0.99	
72-54-8	39310	4,4'-DDD	ND	0.99	
72-55-9	39320	4,4'-DDE	ND	0.99	
50-29-3	39300	4,4'-DDT	ND	0.99	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	0.99	
84-74-2	39110	Di-n-butylphthalate	ND	0.99	
541-73-1	34566	1,3-Dichlorobenzene	ND	0.99	
95-50-1	34536	1,2-Dichlorobenzene	ND	0.99	
106-46-7	34571	1,4-Dichlorobenzene	ND	0.99	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.98	
120-83-2	34601	2,4-Dichlorophenol	ND	0.99	
60-57-1	39380	Dieldrin	ND	0.99	
84-66-2	34336	Diethylphthalate	ND	0.99	
105-67-9	34606	2-4-Dimethylphenol	ND	0.99	
131-11-3	34341	Dimethylphthalate	ND	0.99	
51-28-5	34616	2,4-Dinitrophenol	ND	4.8	
121-14-2	34611	2,4-Dinitrotoluene	ND	0.99	
606-20-2	34626	2,6-Dinitrotoluene (con't)	ND	0.99	

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REVERSE TEXTILE PRINTS ADMINISTRATIVE RECORD

REV 001

0245

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86804
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
117-84-0	34596	Di-n-octylphthalate	ND	0.99	
206-44-0	34376	Fluoranthene	ND	0.99	
86-73-7	34381	Fluorene	ND	0.99	
76-44-8	39410	Heptachlor	ND	0.99	
1024-57-3	39420	Heptachlor epoxide	ND	0.99	
118-74-1	39700	Hexachlorobenzene	ND	0.99	
87-68-3	34391	Hexachlorobutadiene	ND	0.99	
77-47-4	34386	Hexachlorocyclopentadiene	ND	0.99	
67-72-1	34396	Hexachloroethane	ND	0.99	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	0.99	
78-59-1	34408	Isophorone	ND	0.99	
534-52-1	34657	2-methyl-4,6-dinitrophenol	ND	4.8	
91-20-3	34696	Naphthalene	ND	0.99	
98-95-3	34447	Nitrobenzene	ND	0.99	
88-75-5	34591	2-Nitrophenol	ND	0.99	
100-02-7	34646	4-Nitrophenol	ND	4.8	
86-30-3	34433	N-nitrosodiphenylamine	2.0	0.99	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	0.99	
87-86-5	39032	Pentachlorophenol	<4.8	4.8	
85-01-8	34461	Phenanthrene	ND	0.99	
108-95-2	34694	Phenol	>70	0.99	
129-00-0	34469	Pyrene	ND	0.99	
120-82-1	34551	1,2,4--Trichlorobenzene	ND	0.99	
88-06-2	34621	2,4,6-Trichlorophenol	ND	0.99	
Hazardous Substances					
65-53-3	77089	Aniline	>35	0.99	
65-85-0	77247	Benzoic Acid	ND	4.8	
100-51-6	77147	Benzyl Alcohol	ND	0.99	
106-47-8		4-Chloroaniline	ND	0.99	
132-64-9	81302	Dibenzofuran	ND	0.99	
534-52-1		4,6-Dinitro-2-methylphenol	ND	4.8	
91-57-6		2-Methylnaphthalene	ND	0.99	
95-48-7		2-Methylphenol	1.4	0.99	
106-44-5		4-Methylphenol	<.99	0.99	
88-74-4		2-Nitroaniline	ND	4.8	
99-09-2		3-Nitroaniline	ND	4.8	
100-01-6		4-Nitroaniline	ND	4.8	
95-95-4	34621	2,4,5-Trichlorophenol (con't)	ND	4.8	

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REV 001

0246

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86804
Sample Results Continued:

Tentatively Identified Compounds

Dimethylbenzene
Benzaldehyde
Methylbenzeneamine
Methylenebis-phenol
Dihydroxyphenylmethanone

Sample Recoveries For Surrogate Compounds;	Recoveries (%)	QC Range (%)
Phenol, d5	*	10-104
Nitrobenzene, d5	*	19-115
Fluorobiphenyl	*	17-125
2,4,6-Tribromophenol	*	32-124
p-Terphenyl, d14	*	34-126

Notes:

ND=none detected

*=A precipitate resulted during the sample extraction and clean-up which affected the surrogate recoveries.

<=less than

>=greater than

NA=not available, due to sample diluion or interference

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REV 001

0247

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86802
SAMPLE LOCATION: ST. LOUIS, MISSOURI, P-45104
DATE OF COLLECTION: 12/15/87
TIME OF COLLECTION: 12:05
Percent Moisture: 48.2

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Limit (mg/kg)	Comments
Priority Pollutants					
83-32-9	34205	Acenaphthene	ND	1.65	
208-96-8	34200	Acenaphthylene	ND	1.65	
120-12-7	34220	Anthracene	ND	1.65	
309-00-2	39330	Aldrin	ND	1.65	
56-55-3	34526	Benzo(a)anthracene	ND	1.65	
205-99-2	34230	Benzo(b)fluoranthene	ND	1.65	
207-08-9	34242	Benzo(k)fluoranthene	ND	1.65	
50-32-8	34247	Benzo(a)pyrene	ND	1.65	
191-24-2	34521	Benzo(ghi)perylene	ND	1.65	
85-68-7	34292	Benzyl butyl phthalate	ND	1.65	
319-85-7	39338	beta-BHC	ND	1.65	
319-86-8	34259	delta-BHC	ND	1.65	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	1.65	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	1.65	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	3.2	1.65	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	1.65	
101-55-3	34636	4-Bromophenylphenyl ether	ND	1.65	
57-74-9	39350	Chlordane	ND	1.65	
59-50-7	34452	4-Chloro-3-methylphenol	ND	1.65	
91-58-7	34581	2-Chloronaphthalene	ND	1.65	
95-57-8	34586	2-Chlorophenol	ND	1.65	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	1.65	
218-01-9	34320	Chrysene	ND	1.65	
72-54-8	39310	4,4'-DDD	ND	1.65	
72-55-9	39320	4,4'-DDE	ND	1.65	
50-29-3	39300	4,4'-DDT	ND	1.65	
53-70-3	34556	Dibenzo(a,h)anthracene	ND	1.65	
84-74-2	39110	Di-n-butylphthalate	ND	1.65	
541-73-1	34566	1,3-Dichlorobenzene	ND	1.65	
95-50-1	34536	1,2-Dichlorobenzene	ND	1.65	
106-46-7	34571	1,4-Dichlorobenzene	ND	1.65	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	3.3	
120-83-2	34601	2,4-Dichlorophenol	ND	1.65	
60-57-1	39380	Dieldrin	ND	1.65	
84-66-2	34336	Diethylphthalate	ND	1.65	
105-67-9	34606	2,4-Dimethylphenol	ND	1.65	
131-11-3	34341	Dimethylphthalate	ND	1.65	
51-28-5	34616	2,4-Dinitrophenol	ND	8	
121-14-2	34611	2,4-Dinitrotoluene	ND	1.65	
606-20-2	34626	2,6-Dinitrotoluene	ND	1.65	

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REVERSE TEXTILE PRINTS
ADMINISTRATIVE RECORD

REV 001

0248

(con't)

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86802
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
117-84-0	34596	Di-n-octylphthalate	ND	1.65	
206-44-0	34376	Fluoranthene	ND	1.65	
86-73-7	34381	Fluorene	ND	1.65	
76-44-8	39410	Heptachlor	ND	1.65	
1024-57-3	39420	Heptachlor epoxide	ND	1.65	
118-74-1	39700	Hexachlorobenzene	ND	1.65	
87-68-3	34391	Hexachlorobutadiene	ND	1.65	
77-47-4	34386	Hexachlorocyclopentadiene	ND	1.65	
67-72-1	34396	Hexachloroethane	ND	1.65	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	1.65	
78-59-1	34408	Isophorone	ND	1.65	
534-52-1	34657	2-methyl-4,6-dinitrophenol	ND	8	
91-20-3	34696	Naphthalene	ND	1.65	
98-95-3	34447	Nitrobenzene	ND	1.65	
88-75-5	34591	2-Nitrophenol	ND	1.65	
100-02-7	34646	4-Nitrophenol	ND	8	
86-30-3	34433	N-nitrosodiphenylamine	12	1.65	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	1.65	
87-86-5	39032	Pentachlorophenol	<8	8	
85-01-8	34461	Phenanthrene	ND	1.65	
108-95-2	34694	Phenol	>130	1.65	
129-00-0	34469	Pyrene	ND	1.65	
120-82-1	34551	1,2,4--Trichlorobenzene	ND	1.65	
88-06-2	34621	2,4,6-Trichlorophenol	ND	1.65	
Hazardous Substances					
65-53-3	77089	Aniline	>60	1.65	
65-85-0	77247	Benzoic Acid	ND	8	
100-51-6	77147	Benzyl Alcohol	ND	1.65	
106-47-8		4-Chloroaniline	ND	1.65	
132-64-9	81302	Dibenzofuran	ND	1.65	
534-52-1		4,6-Dinitro-2-methylphenol	ND	8	
91-57-6		2-Methylnaphthalene	ND	1.65	
95-48-7		2-Methylphenol	3.4	1.65	
106-44-5		4-Methylphenol	1.8	1.65	
88-74-4		2-Nitroaniline	ND	8	
99-09-2		3-Nitroaniline	ND	8	
100-01-6		4-Nitroaniline	ND	8	
95-95-4	34621	2,4,5-Trichlorophenol	ND	8	

(con't)

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REV 001

0249

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86802

Sample Results Continued:

Tentatively Identified Compounds

Dimethylbenzene
Benzaldehyde
Methylbenzeneamine
Benzenediol
Phenylformamide
Diphenyltrinitrophenylhydrazine
Methylenebisphenol
Hydroxyphenylmethanone

Sample Recoveries For Surrogate Compounds;	Recoveries (%)	QC Range (%)
Phenol,d5	24	10-104
Nitrobenzene,d5	20	19-115
Fluorobiphenyl	24	17-125
2,4,6-Tribromophenol	18	32-124
p-Terphenyl,d14	22	34-126

Notes:

ND=none detected
~≈approximate
≤less than
≥greater than
NA=not available, due to sample dilution or interference

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REV 001

0250

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86500 Sample pH:
SAMPLE LOCATION: 11506 Percent Moisture: 52.1
DATE OF COLLECTION: 11057
TIME OF COLLECTION: 11057
SAMPLE RESULTS:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Limit (mg/kg)	Comments
Priority Pollutants					
83-32-9	34205	Acenaphthene	ND	0.66	
208-96-8	34200	Acenaphthylene	ND	0.66	
120-12-7	34220	Anthracene	<.66	0.66	
309-00-2	39330	Aldrin	ND	0.66	
56-55-3	34526	Benzo (a) anthracene	<.66	0.66	
205-99-2	34230	Benzo (b) fluoranthene	.84	0.66	
207-08-9	34242	Benzo (k) fluoranthene	ND	0.66	
50-32-8	34247	Benzo (a) pyrene	ND	0.66	
191-24-2	34521	Benzo (ghi) perylene	<.66	0.66	
85-68-7	34292	Benzyl butyl phthalate	.90	0.66	
319-85-7	39338	beta-BHC	ND	0.66	
319-86-8	34259	delta-BHC	ND	0.66	
111-44-4	34273	Bis(2-chloroethyl) ether	ND	0.66	
111-91-1	34278	Bis(2-chloroethoxy) methane	ND	0.66	
117-81-7	39100	Bis(2-ethylhexyl) phthalate	ND	0.66	
108-60-1	34283	Bis(2-chloroisopropyl) ether	ND	0.66	
101-55-3	34636	4-Bromophenylphenyl ether	ND	0.66	
59-50-7	34452	4-Chloro-3-methylphenol	ND	0.66	
91-58-7	34581	2-Chloronaphthalene	ND	0.66	
95-57-8	34586	2-Chlorophenol	ND	0.66	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	0.66	
218-01-9	34320	Chrysene	<.66	0.66	
72-54-8	39310	4,4'-DDD	ND	0.66	
72-55-9	39320	4,4'-DDE	ND	0.66	
50-29-3	39300	4,4'-DDT	ND	0.66	
53-70-3	34556	Dibenzo(a,h) anthracene	ND	0.66	
84-74-2	39110	Di-n-butylphthalate	<.66	0.66	
541-73-1	34566	1,3-Dichlorobenzene	ND	0.66	
95-50-1	34536	1,2-Dichlorobenzene	ND	0.66	
106-46-7	34571	1,4-Dichlorobenzene	ND	0.66	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	1.32	
120-83-2	34601	2,4-Dichlorophenol	ND	0.66	
60-57-1	39380	Dieldrin	ND	0.66	
84-66-2	34336	Diethylphthalate	ND	0.66	
105-67-9	34606	2,4-Dimethylphenol	ND	0.66	
131-11-3	34341	Dimethylphthalate	ND	0.66	
51-28-5	34616	2,4-Dinitrophenol	ND	3.2	
121-14-2	34611	2,4-Dinitrotoluene	ND	0.66	
606-20-2	34626	2,6-Dinitrotoluene (con't)	ND	0.66	

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REVERSE TEXTILE PRINTS
ADMINISTRATIVE RECORD

REV 001

0251

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86500
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
117-84-0	34596	Di-n-octylphthalate	2.0	0.66	
206-44-0	34376	Fluoranthene	.86	0.66	
86-73-7	34381	Fluorene	ND	0.66	
76-44-8	39410	Heptachlor	ND	0.66	
1024-57-3	39420	Heptachlor epoxide	ND	0.66	
118-74-1	39700	Hexachlorobenzene	ND	0.66	
87-68-3	34391	Hexachlorobutadiene	ND	0.66	
77-47-4	34386	Hexachlorocyclopentadiene	ND	0.66	
67-72-1	34396	Hexachloroethane	ND	0.66	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	ND	0.66	
78-59-1	34408	Isophorone	ND	0.66	
534-52-1	34657	2-methyl-4,6-dinitrophenol	ND	3.2	
91-20-3	34696	Naphthalene	ND	0.66	
98-95-3	34447	Nitrobenzene	ND	0.66	
88-75-5	34591	2-Nitrophenol	ND	0.66	
100-02-7	34646	4-Nitrophenol	ND	3.2	
86-30-3	34433	N-nitrosodiphenylamine	ND	0.66	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	0.66	
87-86-5	39032	Pentachlorophenol	ND	3.2	
85-01-8	34461	Phenanthrene	.76	0.66	
108-95-2	34694	Phenol	1.3	0.66	
129-00-0	34469	Pyrene	.70	0.66	
120-82-1	34551	1,2,4--Trichlorobenzene	ND	0.66	
88-06-2	34621	2,4,6-Trichlorophenol	ND	0.66	
Hazardous Substances					
65-53-3	77089	Aniline	1.4	0.66	
65-85-0	77247	Benzoic Acid	<3.2	3.2	
100-51-6	77147	Benzyl Alcohol	ND	0.66	
106-47-8		4-Chloroaniline	ND	0.66	
132-64-9	81302	Dibenzofuran	ND	0.66	
534-52-1		4,6-Dinitro-2-methylphenol	ND	3.2	
91-57-6		2-Methylnaphthalene	ND	0.66	
95-48-7		2-Methylphenol	ND	0.66	
106-44-5		4-Methylphenol	<.66	0.66	
88-74-4		2-Nitroaniline	ND	3.2	
99-09-2		3-Nitroaniline	ND	3.2	
100-01-6		4-Nitroaniline	ND	3.2	
95-95-4	34621	2,4,5-Trichlorophenol	ND	3.2	
(con't)					

US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86500
Sample Results Continued:

Tentatively Identified Compounds

Cyclohexadienedione
Ethylmethylbenzene
Hydroxybenzaldehyde
Undecane
Benzenesulfonamide
Methylbenzenesulfonamide

Sample Recoveries For Surrogate Compounds;	Recoveries (%)	QC Range (%)
Phenol,d5	62	10-104
Nitrobenzene,d5	44	19-115
Fluorobiphenyl	40	17-125
2,4,6-Tribromophenol	48	32-124
p-Terphenyl,d14	46	34-126

Notes:

ND=none detected
~≈approximate
<=less than
>=greater than
NA=not available, due to sample dilution or interference

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US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86801
SAMPLE LOCATION: 70 FT from CLO foundation
DATE OF COLLECTION: 11/26/89
TIME OF COLLECTION: 1135
SAMPLE RESULTS:

Sample pH:
Percent Moisture: 86

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Limit (mg/kg)	Comments
Priority Pollutants					
83-32-9	34205	Acenaphthene	<3.3	3.3	
208-96-8	34200	Acenaphthylene	<3.3	3.3	
120-12-7	34220	Anthracene	<3.3	3.3	
309-00-2	39330	Aldrin	ND	3.3	
56-55-3	34526	Benzo (a) anthracene	8.4	3.3	
205-99-2	34230	Benzo (b) fluoranthene	18	3.3	
207-08-9	34242	Benzo (k) fluoranthene	ND	3.3	
50-32-8	34247	Benzo (a) pyrene	11	3.3	
191-24-2	34521	Benzo (ghi) perylene	5.0	3.3	
85-68-7	34292	Benzyl butyl phthalate	<3.3	3.3	
319-85-7	39338	beta-BHC	ND	3.3	
319-86-8	34259	delta-BHC	ND	3.3	
111-44-4	34273	Bis(2-chloroethyl)ether	ND	3.3	
111-91-1	34278	Bis(2-chloroethoxy)methane	ND	3.3	
117-81-7	39100	Bis(2-ethylhexyl)phthalate	<3.3	3.3	
108-60-1	34283	Bis(2-chloroisopropyl)ether	ND	3.3	
101-55-3	34636	4-Bromophenylphenyl ether	ND	3.3	
59-50-7	34452	4-Chloro-3-methylphenol	ND	3.3	
91-58-7	34581	2-Chloronaphthalene	ND	3.3	
95-57-8	34586	2-Chlorophenol	ND	3.3	
7005-72-3	34641	4-Chlorophenylphenyl ether	ND	3.3	
218-01-9	34320	Chrysene	12	3.3	
72-54-8	39310	4,4'-DDD	ND	3.3	
72-55-9	39320	4,4'-DDE	ND	3.3	
50-29-3	39300	4,4'-DDT	ND	3.3	
53-70-3	34556	ibenzo (a,h) anthracene	<3.3	3.3	
84-74-2	39110	Di-n-butylphthalate	ND	3.3	
541-73-1	34566	1,3-Dichlorobenzene	ND	3.3	
95-50-1	34536	1,2-Dichlorobenzene	ND	3.3	
106-46-7	34571	1,4-Dichlorobenzene	ND	3.3	
91-94-1	34631	3,3'-Dichlorobenzidine	ND	6.6	
120-83-2	34601	2,4-Dichlorophenol	ND	3.3	
60-57-1	39380	Dieldrin	ND	3.3	
84-66-2	34336	Diethylphthalate	ND	3.3	
105-67-9	34606	2,4-Dimethylphenol	ND	3.3	
131-11-3	34341	Dimethylphthalate	ND	3.3	
51-28-5	34616	2,4-Dinitrophenol	ND	16	
121-14-2	34611	2,4-Dinitrotoluene	ND	3.3	
606-20-2	34626	2,6-Dinitrotoluene (con't)	ND	3.3	

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US ENVIRONMENTAL PROTECTION AGENCY
REGION I LABORATORY
GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86801
Sample Results Continued:

CAS NO.	STORET NO.	Compound	Conc. (mg/kg)	Det. Limit (mg/kg)	Comments
117-84-0	34596	Di-n-octylphthalate	<3.3	3.3	
206-44-0	34376	Fluoranthene	20	3.3	
86-73-7	34381	Fluorene	<3.3	3.3	
76-44-8	39410	Heptachlor	ND	3.3	
1024-57-3	39420	Heptachlor epoxide	ND	3.3	
118-74-1	39700	Hexachlorobenzene	ND	3.3	
87-68-3	34391	Hexachlorobutadiene	ND	3.3	
77-47-4	34386	Hexachlorocyclopentadiene	ND	3.3	
67-72-1	34396	Hexachloroethane	ND	3.3	
193-39-5	34403	Indeno(1,2,3-cd)pyrene	7.6	3.3	
78-59-1	34408	Isophorone	ND	3.3	
534-52-1	34657	2-methyl-4,6-dinitrophenol	ND	16	
91-20-3	34696	Naphthalene	<3.3	3.3	
98-95-3	34447	Nitrobenzene	ND	3.3	
88-75-5	34591	2-Nitrophenol	ND	3.3	
100-02-7	34646	4-Nitrophenol	ND	16	
86-30-3	34433	N-nitrosodiphenylamine	ND	3.3	
621-64-7	34428	N-Nitrosodi-n-propylamine	ND	3.3	
87-86-5	39032	Pentachlorophenol	ND	16	
85-01-8	34461	Phenanthrene	14	3.3	
108-95-2	34694	Phenol	7.0	3.3	
129-00-0	34469	Pyrene	16	3.3	
120-82-1	34551	1,2,4-Trichlorobenzene	ND	3.3	
88-06-2	34621	2,4,6-Trichlorophenol	ND	3.3	
Hazardous Substances					
65-53-3	77089	Aniline	11	3.3	
65-85-0	77247	Benzoic Acid	ND	16	
100-51-6	77147	Benzyl Alcohol	ND	3.3	
106-47-8		4-Chloroaniline	ND	3.3	
132-64-9	81302	Dibenzofuran	<3.3	3.3	
534-52-1		4,6-Dinitro-2-methylphenol	ND	16	
91-57-6		2-Methylnaphthalene	ND	3.3	
95-48-7		2-Methylphenol	ND	3.3	
106-44-5		4-Methylphenol	ND	3.3	
88-74-4		2-Nitroaniline	ND	16	
99-09-2		3-Nitroaniline	ND	16	
100-01-6		4-Nitroaniline	ND	16	
95-95-4	34621	2,4,5-Trichlorophenol (con't)	ND	16	

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US ENVIRONMENTAL PROTECTION AGENCY
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GC/MS EXTRACTABLE ORGANIC ANALYSIS

SAMPLE NO.: 86801

Sample Results Continued:

Tentatively Identified Compounds

Hydroxyphenylmethyl-phenol

Sample Recoveries For Surrogate Compounds;	Recoveries (%)	QC Range (%)
Phenol,d5	94	10-104
Nitrobenzene,d5	76	19-115
Fluorobiphenyl	80	17-125
2,4,6-Tribromophenol	78	32-124
p-Terphenyl,d14	78	34-126

Notes:

ND=none detected

~≈approximate

<=less than

>=greater than

NA=not available, due to sample dilution or interference