

## **Appendix L**

### **2002 SVOC Raw Monitoring Data**

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25052 - D1			25052 - R1			25053 - D2		
<b>File I.D.</b>	ENG2845.D			ENG2865.D			ENG2866.D		
<b>Date Sampled</b>	01/08/02			01/08/02			01/08/02		
<b>Date Analyzed</b>	02/03/02			02/25/02			02/25/02		
	Actual Vol (m <sup>3</sup> )	217.8		Actual Vol (m <sup>3</sup> )	217.8		Actual Vol (m <sup>3</sup> )	205.2	
<b>Compound</b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>		<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>		<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	4.32	0.02	U	4.77	0.02	U	4.91	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	40.59	0.19		47.16	0.22		47.61	0.23	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	22.22	0.10		25.15	0.12		25.04	0.12	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Napthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25052 - D1		25052 - R1		25053 - D2	
<b>File I.D.</b>	ENG2845.D		ENG2865.D		ENG2866.D	
<b>Date Sampled</b>	01/08/02		01/08/02		01/08/02	
<b>Date Analyzed</b>	02/03/02		02/25/02		02/25/02	
	Actual Vol (m <sup>3</sup> )	217.8	Actual Vol (m <sup>3</sup> )	217.8	Actual Vol (m <sup>3</sup> )	205.2
<b>Compound</b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	0.21	0.001 U	0.55	0.003 U	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.90	0.004 U	1.07	0.005 U	0.99	0.005 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.71	0.003 U	0.48	0.002 U	0.68	0.003 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	1.73	0.01 U	1.92	0.01 U	2.18	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	43.93	0.21
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D.	25053 - R2		25290 - D1		25290 - R1	
File I.D.	ENG2867.D		ENG2888.D		ENG2892.D	
Date Sampled	01/08/02		01/20/02		01/20/02	
Date Analyzed	02/25/02		02/27/02		02/27/02	
	Actual Vol (m³)	205.2	Actual Vol (m³)	266.1	Actual Vol (m³)	266.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.42	0.03	U	7.29	0.03	U	7.13	0.03	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	46.54	0.23		44.44	0.17		43.76	0.16	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	23.93	0.12		23.43	0.09		22.66	0.09	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25053 - R2			25290 - D1			25290 - R1		
<b>File I.D.</b>	ENG2867.D			ENG2888.D			ENG2892.D		
<b>Date Sampled</b>	01/08/02			01/20/02			01/20/02		
<b>Date Analyzed</b>	02/25/02			02/27/02			02/27/02		
	Actual Vol (m <sup>3</sup> )	205.2		Actual Vol (m <sup>3</sup> )	266.1		Actual Vol (m <sup>3</sup> )	266.1	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.36	0.002	U	0.33	0.001	U	0.34	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.10	0.01	U	1.08	0.004	U	1.26	0.005	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.94	0.005	U	0.94	0.00	U	0.82	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.87	0.01	U	2.36	0.01	U	2.55	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	44.78	0.22		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D.	25291 - D2			25291 - R2			25546 - D1		
File I.D.	ENG2893.D			ENG2940.D			ENG2912.D		
Date Sampled	01/20/02			01/20/02			02/01/02		
Date Analyzed	02/27/02			03/01/02			02/27/02		
	Actual Vol (m <sup>3</sup> )	245.8		Actual Vol (m <sup>3</sup> )	245.8		Actual Vol (m <sup>3</sup> )	246.1	
Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	16.56	0.07		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.93	0.02	U	6.00	0.02	U	9.47	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	41.71	0.17		38.18	0.16		58.66	0.24	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	21.46	0.09		19.45	0.08		32.13	0.13	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthvlene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25291 - D2			25291 - R2			25546 - D1		
<b>File I.D.</b>	ENG2893.D			ENG2940.D			ENG2912.D		
<b>Date Sampled</b>	01/20/02			01/20/02			02/01/02		
<b>Date Analyzed</b>	02/27/02			03/01/02			02/27/02		
	Actual Vol (m <sup>3</sup> )	245.8		Actual Vol (m <sup>3</sup> )	245.8		Actual Vol (m <sup>3</sup> )	246.1	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.64	0.003	U	ND	ND		0.31	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.17	0.005	U	ND	ND		1.48	0.006	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.92	0.004	U	0.82	0.003	U	1.35	0.005	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.11	0.01	U	2.23	0.01	U	2.88	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	46.25	0.19		44.61	0.18		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D.	25546 - R1		25547 - D2		25547 - R2	
File I.D.	ENG2913.D		ENG2914.D		ENG2915.D	
Date Sampled	02/01/02		02/01/02		02/01/02	
Date Analyzed	02/27/02		02/27/02		02/27/02	
	Actual Vol (m <sup>3</sup> )	246.1	Actual Vol (m <sup>3</sup> )	266.5	Actual Vol (m <sup>3</sup> )	266.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	10.12	0.04	U	9.05	0.03	U	9.60	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		2.22	0.01	U	2.56	0.01	U
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	60.41	0.25		51.83	0.19		55.59	0.21	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	31.59	0.13		30.18	0.11		30.25	0.11	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.24	0.01	U	ND	ND		1.02	0.004	U

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25546 - R1			25547 - D2			25547 - R2
<b>File I.D.</b>	ENG2913.D			ENG2914.D			ENG2915.D
<b>Date Sampled</b>	02/01/02			02/01/02			02/01/02
<b>Date Analyzed</b>	02/27/02			02/27/02			02/27/02
	Actual Vol (m <sup>3</sup> )	246.1		Actual Vol (m <sup>3</sup> )	266.5		Actual Vol (m <sup>3</sup> ) 266.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.80	0.003	U	ND	ND		0.28	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.82	0.01	U	1.49	0.01	U	1.52	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.37	0.01	U	1.08	0.004	U	1.23	0.005	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.10	0.01	U	2.54	0.01	U	2.94	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		21.44	0.08		22.02	0.08	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25720 - Field Blank	25713 - D1	25713 - R1
<b>File I.D.</b>	ENG2948.D	ENG2933.D	ENG2934.D
<b>Date Sampled</b>	02/13/02	02/13/02	02/13/02
<b>Date Analyzed</b>	03/01/02	02/28/02	02/28/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		233.3	233.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	ND	ND	ND	ND		ND	ND	
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	ND	ND	4.56	0.02	U	4.26	0.02	U
Benzyl alcohol	ND	ND	ND	ND		ND	ND	
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	ND	ND	ND	ND		ND	ND	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	ND	ND	31.50	0.14		33.63	0.14	
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	ND	ND	18.71	0.08	U	19.29	0.08	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	ND	ND	ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25720 - Field Blank	25713 - D1	25713 - R1
<b>File I.D.</b>	ENG2948.D	ENG2933.D	ENG2934.D
<b>Date Sampled</b>	02/13/02	02/13/02	02/13/02
<b>Date Analyzed</b>	03/01/02	02/28/02	02/28/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		233.3	233.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	ND	ND		ND	ND	
4-Nitrophenol	ND	ND	ND	ND		ND	ND	
Acenaphthene	ND	ND	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
2-Naphthylamine	ND	ND	ND	ND		ND	ND	
Dibenzofuran	ND	ND	ND	ND		ND	ND	
Pentachlorobenzene	ND	ND	ND	ND		ND	ND	
1-Naphthylamine	ND	ND	ND	ND		ND	ND	
Diethyl phthalate	ND	ND	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND		ND	ND	
4-Nitroaniline	ND	ND	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND		ND	ND	
Fluorene	ND	ND	0.31	0.001	U	0.67	0.003	U
5-Nitro-o-toluidine	ND	ND	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND		ND	ND	
Diphenylamine	ND	ND	ND	ND		ND	ND	
Azobenzene	ND	ND	ND	ND		ND	ND	
Phenacetin	ND	ND	ND	ND		ND	ND	
Diallyl	ND	ND	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND	ND	ND		ND	ND	
Pronamide	ND	ND	ND	ND		ND	ND	
Pentachlorophenol	ND	ND	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND		ND	ND	
Phenanthrene	ND	ND	ND	ND		1.18	0.01	U
Dinoseb	ND	ND	ND	ND		ND	ND	
Anthracene	ND	ND	ND	ND		ND	ND	
Carbazole	ND	ND	ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND		ND	ND	
Benzidine	ND	ND	ND	ND		ND	ND	
Isodrin	ND	ND	ND	ND		ND	ND	
Fluoranthene	ND	ND	ND	ND		ND	ND	
Pyrene	ND	ND	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND		ND	ND	
Chlorobenzilate	ND	ND	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND		ND	ND	
Chrysene	ND	ND	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D.	25717 - D2		25717 - R2		26015 - D1	
File I.D.	ENG2935.D		ENG2936.D		ENG3080.D	
Date Sampled	02/13/02		02/13/02		02/25/02	
Date Analyzed	02/28/02		02/28/02		04/10/02	
	Actual Vol (m <sup>3</sup> )	234.6	Actual Vol (m <sup>3</sup> )	234.6	Actual Vol (m <sup>3</sup> )	182.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	4.10	0.02	U	4.61	0.02	U	4.75	0.03	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	34.61	0.15		33.66	0.14		21.22	0.12	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	19.20	0.08		18.91	0.08	U	12.23	0.07	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25717 - D2		25717 - R2		26015 - D1	
<b>File I.D.</b>	ENG2935.D		ENG2936.D		ENG3080.D	
<b>Date Sampled</b>	02/13/02		02/13/02		02/25/02	
<b>Date Analyzed</b>	02/28/02		02/28/02		04/10/02	
	Actual Vol (m <sup>3</sup> )	234.6	Actual Vol (m <sup>3</sup> )	234.6	Actual Vol (m <sup>3</sup> )	182.1
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.32	0.001 U	0.41	0.002 U	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	0.97	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D.	26015 - R1		26016 - D2		26016 - R2	
File I.D.	ENG3089.D		ENG3081.D		ENG3090.D	
Date Sampled	02/25/02		02/25/02		02/25/02	
Date Analyzed	04/11/02		04/10/02		04/11/02	
	Actual Vol (m <sup>3</sup> )	182.1	Actual Vol (m <sup>3</sup> )	223.0	Actual Vol (m <sup>3</sup> )	223.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.56	0.03	U	4.76	0.02	U	5.49	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	22.53	0.12		27.68	0.12		26.05	0.12	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	11.98	0.07	U	13.05	0.06	U	12.26	0.05	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26015 - R1	26016 - D2	26016 - R2
<b>File I.D.</b>	ENG3089.D	ENG3081.D	ENG3090.D
<b>Date Sampled</b>	02/25/02	02/25/02	02/25/02
<b>Date Analyzed</b>	04/11/02	04/10/02	04/11/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	182.1	223.0	223.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	0.51	0.002 U	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	0.94	0.004 U	0.98	0.004 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.56	0.003 U	0.60	0.003 U	0.61	0.003 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	1.22	0.01 U	1.33	0.01 U	1.49	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	4.16	0.02 U	3.78	0.02 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26238 - D1		26238 - R1		26240 - D2	
<b>File I.D.</b>	ENG3106.D		ENG3107.D		ENG3108.D	
<b>Date Sampled</b>	03/09/02		03/09/02		03/09/02	
<b>Date Analyzed</b>	04/11/02		04/11/02		04/11/02	
	Actual Vol (m <sup>3</sup> )	250.1	Actual Vol (m <sup>3</sup> )	250.1	Actual Vol (m <sup>3</sup> )	247.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	35.87	0.14
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	4.15	0.02	3.99	0.02	4.70	0.02
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	14.18	0.06	13.79	0.06	261.71	1.06
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	6.51	0.03	6.35	0.03	16.20	0.07
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	1.28	0.01

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26238 - D1		26238 - R1		26240 - D2	
<b>File I.D.</b>	ENG3106.D		ENG3107.D		ENG3108.D	
<b>Date Sampled</b>	03/09/02		03/09/02		03/09/02	
<b>Date Analyzed</b>	04/11/02		04/11/02		04/11/02	
	Actual Vol (m <sup>3</sup> )	250.1	Actual Vol (m <sup>3</sup> )	250.1	Actual Vol (m <sup>3</sup> )	247.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	2.46	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.73	0.003 U	0.70	0.003 U	4.20	0.02 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.39	0.002 U	ND	ND	3.29	0.01 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	0.84	0.003 U	0.55	0.002 U	6.36	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	0.50	0.002 U
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	5.18	0.02 U	4.76	0.02 U	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	2.64	0.01 U
Pyrene	ND	ND	ND	ND	1.20	0.005 U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26240 - R2			26480 - D1			26480 - R1
<b>File I.D.</b>	ENG3109.D			ENG3139.D			ENG3140.D
<b>Date Sampled</b>	03/09/02			03/21/02			03/21/02
<b>Date Analyzed</b>	04/11/02			04/12/02			04/13/02
	Actual Vol (m <sup>3</sup> )	247.9		Actual Vol (m <sup>3</sup> )	257.9		Actual Vol (m <sup>3</sup> ) 257.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	38.83	0.16		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	4.64	0.02	U	2.99	0.01	U	3.57	0.01	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	266.75	1.08		14.89	0.06		15.59	0.06	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	16.17	0.07	U	7.66	0.03	U	7.52	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.25	0.01	U	ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26240 - R2		26480 - D1		26480 - R1	
<b>File I.D.</b>	ENG3109.D		ENG3139.D		ENG3140.D	
<b>Date Sampled</b>	03/09/02		03/21/02		03/21/02	
<b>Date Analyzed</b>	04/11/02		04/12/02		04/13/02	
	Actual Vol (m <sup>3</sup> )	247.9	Actual Vol (m <sup>3</sup> )	257.9	Actual Vol (m <sup>3</sup> )	257.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	2.67	0.01 U	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	4.58	0.02 U	ND	ND	0.51	0.002 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	2.69	0.01 U	ND	ND	0.37	0.001 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	6.11	0.02 U	0.81	0.003 U	0.70	0.003 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	0.65	0.003 U	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	2.87	0.01 U	ND	ND	ND	ND
Pyrene	1.45	0.01 U	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26477 - D2		26477 - R2		26579 - D1	
<b>File I.D.</b>	ENG3141.D		ENG3142.D		ENG3188	
<b>Date Sampled</b>	03/21/02		03/21/02		04/02/02	
<b>Date Analyzed</b>	04/13/02		04/13/02		05/30/02	
	Actual Vol (m <sup>3</sup> )	258.1	Actual Vol (m <sup>3</sup> )	258.1	Actual Vol (m <sup>3</sup> )	283.1
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	15.25	0.05
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3.24	0.01	3.28	0.01	14.40	0.05
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	14.31	0.06	13.74	0.05	133.33	0.47
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	7.36	0.03	7.43	0.03	53.19	0.19
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D.	26477 - D2			26477 - R2			26579 - D1		
File I.D.	ENG3141.D			ENG3142.D			ENG3188		
Date Sampled	03/21/02			03/21/02			04/02/02		
Date Analyzed	04/13/02			04/13/02			05/30/02		
	Actual Vol (m³)	258.1		Actual Vol (m³)	258.1		Actual Vol (m³)	283.1	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		3.00	0.011	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.42	0.002	U	ND	ND		3.37	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.37	0.001	U	0.58	0.002	U	3.57	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.77	0.003	U	0.67	0.003	U	5.81	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	3.52	0.01	U	3.77	0.01	U	ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26579 - R1	26580 - D2	26580 - R2
<b>File I.D.</b>	ENG3274	ENG3189	ENG3275
<b>Date Sampled</b>	04/02/02	04/02/02	04/02/02
<b>Date Analyzed</b>	06/29/02	05/30/02	06/29/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	283.1	305.4	305.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND	ND	ND	
Pyridine	ND	ND		ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND	ND	ND	
2-Picoline	ND	ND		ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND	ND	ND	
Phenol	9.27	0.03	U	16.68	0.05	13.05	0.04	
Pentachloroethane	ND	ND		ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND	ND	ND	
Aniline	ND	ND		ND	ND	ND	ND	
2-Chlorophenol	ND	ND		ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND	ND	ND	
1,4-Dichlorobenzene	11.13	0.04	U	16.83	0.06	14.32	0.05	U
Benzyl alcohol	ND	ND		ND	ND	ND	ND	
2-Methylphenol	ND	ND		ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	ND	ND	
3&4-Methylphenol	ND	ND		ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND	ND	ND	
o-Toluidine	ND	ND		ND	ND	ND	ND	
Hexachloroethane	ND	ND		ND	ND	ND	ND	
Acetophenone	ND	ND		ND	ND	ND	ND	
Nitrobenzene	ND	ND		ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND	ND	ND	
Isophorone	ND	ND		ND	ND	ND	ND	
2-Nitrophenol	ND	ND		ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND	ND	ND	
4-Chloroaniline	ND	ND		ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND	ND	ND	
Naphthalene	113.80	0.40		143.22	0.47	134.69	0.44	
2,6-Dichlorophenol	ND	ND		ND	ND	ND	ND	
Hexachloropropene	ND	ND		ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND	ND	ND	
Safrole	ND	ND		ND	ND	ND	ND	
2-Methylnaphthalene	41.63	0.15		52.00	0.17	51.27	0.17	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND	ND	ND	
2-Nitroaniline	ND	ND		ND	ND	ND	ND	
Isosafrole	ND	ND		ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND	ND	ND	
Dimethyl phthalate	ND	ND		ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND	ND	ND	
3-Nitroaniline	ND	ND		ND	ND	ND	ND	
Acenaphthylene	ND	ND		ND	ND	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26579 - R1		26580 - D2		26580 - R2	
<b>File I.D.</b>	ENG3274		ENG3189		ENG3275	
<b>Date Sampled</b>	04/02/02		04/02/02		04/02/02	
<b>Date Analyzed</b>	06/29/02		05/30/02		06/29/02	
	Actual Vol (m <sup>3</sup> )	283.1	Actual Vol (m <sup>3</sup> )	305.4	Actual Vol (m <sup>3</sup> )	305.4
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	3.00	0.011 U	4.07	0.01 U	4.45	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	3.02	0.01 U	3.06	0.01 U	3.30	0.01 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	2.92	0.01 U	3.71	0.01 U	4.04	0.01 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	5.73	0.02 U	5.91	0.02 U	5.39	0.02 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	7.79	0.03 U	4.93	0.02 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26839 - D1		26839 - R1		26840 - D2	
<b>File I.D.</b>	ENG3215		ENG3272		ENG3216	
<b>Date Sampled</b>	04/14/02		04/14/02		04/14/02	
<b>Date Analyzed</b>	05/31/02		06/29/02		05/31/02	
	Actual Vol (m <sup>3</sup> )	236.8	Actual Vol (m <sup>3</sup> )	236.8	Actual Vol (m <sup>3</sup> )	254.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	9.28	0.04	U	9.44	0.04	U	12.27	0.05	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	47.54	0.20		41.34	0.17		47.43	0.19	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	26.42	0.11		25.47	0.11		24.21	0.10	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Napthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D.	26839 - D1			26839 - R1			26840 - D2		
File I.D.	ENG3215			ENG3272			ENG3216		
Date Sampled	04/14/02			04/14/02			04/14/02		
Date Analyzed	05/31/02			06/29/02			05/31/02		
	Actual Vol (m³)	236.8		Actual Vol (m³)	236.8		Actual Vol (m³)	254.0	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.95	0.004	U	ND	ND		0.64	0.003	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.21	0.01	U	ND	ND		1.69	0.007	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.08	0.01	U	1.32	0.006	U	1.48	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.32	0.01	U	3.19	0.01	U	3.18	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		54.55	0.21	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

Sample I.D. 26840 - R2  
 File I.D. ENG3273  
 Date Sampled 04/14/02  
 Date Analyzed 06/29/02  
 Actual Vol (m<sup>3</sup>) 254.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	
Pyridine	ND	ND	
Ethyl methanesulfonate	ND	ND	
2-Picoline	ND	ND	
N-Nitrosomethylethylamine	ND	ND	
Methyl methanesulfonate	ND	ND	
N-Nitrosodiethylamine	ND	ND	
Phenol	ND	ND	
Pentachloroethane	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	
Aniline	ND	ND	
2-Chlorophenol	ND	ND	
1,3-Dichlorobenzene	ND	ND	
1,4-Dichlorobenzene	9.87	0.04	U
Benzyl alcohol	ND	ND	
2-Methylphenol	ND	ND	
1,2-Dichlorobenzene	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	
3&4-Methylphenol	ND	ND	
N-Nitrosopyrrolidine	ND	ND	
N-Nitrosodipropylamine	ND	ND	
o-Toluidine	ND	ND	
Hexachloroethane	ND	ND	
Acetophenone	ND	ND	
Nitrobenzene	ND	ND	
N-Nitrosopiperidine	ND	ND	
Isophorone	ND	ND	
2-Nitrophenol	ND	ND	
2,4-Dimethylphenol	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	
2,4-Dichlorophenol	ND	ND	
4-Chloroaniline	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	
Naphthalene	42.23	0.17	
2,6-Dichlorophenol	ND	ND	
Hexachloropropene	ND	ND	
Hexachlorobutadiene	ND	ND	
N-Nitrosodibutylamine	ND	ND	
4-Chloro-3-methylphenol	ND	ND	
Safrole	ND	ND	
2-Methylnaphthalene	24.70	0.10	
1,2,4,5-Tetrachlorobenzene	ND	ND	
2,4,6-Trichlorophenol	ND	ND	
Hexachlorocyclopentadiene	ND	ND	
2,4,5-Trichlorophenol	ND	ND	
2-Nitroaniline	ND	ND	
Isosafrole	ND	ND	
2-Chloronaphthalene	ND	ND	
1,4-Naphthoquinone	ND	ND	
Dimethyl phthalate	ND	ND	
1,3-Dinitrobenzene	ND	ND	
2,6-Dinitrotoluene	ND	ND	
3-Nitroaniline	ND	ND	
Acenaphthylene	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (Allen Park - APMI and A2MI)

## 2002 Final Data Report

**Sample I.D.** 26840 - R2  
**File I.D.** ENG3273  
**Date Sampled** 04/14/02  
**Date Analyzed** 06/29/02  
 Actual Vol (m<sup>3</sup>) 254.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	ND	ND	
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	1.84	0.007	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	0.95	0.004	U
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallyl	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	2.66	0.01	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	34.84	0.14	
Benidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	24967	25028	25189				
File I.D.	VOID	ENG2815.D	ENG2876.D				
Date Sampled	01/02/02	01/08/02	01/14/02				
Date Analyzed		01/18/02	02/26/02				
	Actual Vol (m³)	Actual Vol (m³)	195.1	Actual Vol (m³)	184.3		
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	
N-Nitrosodimethylamine			ND	ND	ND	ND	
Pyridine			ND	ND	ND	ND	
Ethyl methanesulfonate			ND	ND	ND	ND	
2-Picoline			ND	ND	ND	ND	
N-Nitrosomethylethylamine			ND	ND	ND	ND	
Methyl methanesulfonate			ND	ND	ND	ND	
N-Nitrosodiethylamine			ND	ND	ND	ND	
Phenol			20.75	0.11	U	ND	ND
Pentachloroethane			ND	ND		ND	ND
bis (2-Chloroethyl)ether			ND	ND		ND	ND
Aniline			ND	ND		ND	ND
2-Chlorophenol			ND	ND		ND	ND
1,3-Dichlorobenzene			ND	ND		ND	ND
1,4-Dichlorobenzene			33.31	0.17		56.08	0.30
Benzyl alcohol			ND	ND		ND	ND
2-Methylphenol			ND	ND		ND	ND
1,2-Dichlorobenzene			ND	ND		ND	ND
bis(2-Chloroisopropyl)ether			ND	ND		ND	ND
3&4-Methylphenol			2.28	0.01	U	ND	ND
N-Nitrosopyrrolidine			ND	ND		ND	ND
N-Nitrosodipropylamine			ND	ND		ND	ND
o-Toluidine			ND	ND		ND	ND
Hexachloroethane			ND	ND		ND	ND
Acetophenone			ND	ND		ND	ND
Nitrobenzene			ND	ND		ND	ND
N-Nitrosopiperidine			ND	ND		ND	ND
Isophorone			ND	ND		ND	ND
2-Nitrophenol			ND	ND		ND	ND
2,4-Dimethylphenol			ND	ND		ND	ND
bis(2-Chloroethoxy)methane			ND	ND		ND	ND
2,4-Dichlorophenol			ND	ND		ND	ND
4-Chloroaniline			ND	ND		ND	ND
1,2,4-Trichlorobenzene			ND	ND		ND	ND
Naphthalene			33.28	0.17		55.86	0.30
2,6-Dichlorophenol			ND	ND		ND	ND
Hexachloropropene			ND	ND		ND	ND
Hexachlorobutadiene			ND	ND		ND	ND
N-Nitrosodibutylamine			ND	ND		ND	ND
4-Chloro-3-methylphenol			ND	ND		ND	ND
Safrole			ND	ND		ND	ND
2-Methylnaphthalene			15.12	0.08		27.47	0.15
1,2,4,5-Tetrachlorobenzene			ND	ND		ND	ND
2,4,6-Trichlorophenol			ND	ND		ND	ND
Hexachlorocyclopentadiene			ND	ND		ND	ND
2,4,5-Trichlorphenol			ND	ND		ND	ND
2-Nitroaniline			ND	ND		ND	ND
Isosafrole			ND	ND		ND	ND
2-Chloronaphthalene			ND	ND		ND	ND
1,4-Naphthoquinone			ND	ND		ND	ND
Dimethyl phthalate			ND	ND		ND	ND
1,3-Dintrobenzene			ND	ND		ND	ND
2,6-Dinitrotoluene			ND	ND		ND	ND
3-Nitroaniline			ND	ND		ND	ND
Acenaphthylene			ND	ND		ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	24967	25028	25189					
File I.D.	VOID	ENG2815.D	ENG2876.D					
Date Sampled	01/02/02	01/08/02	01/14/02					
Date Analyzed		01/18/02	02/26/02					
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	195.1	Actual Vol (m <sup>3</sup> )	184.3			
Compound	Final Conc (µg)	Final µg/m <sup>3</sup>	Final Conc (µg)	Final µg/m <sup>3</sup>	Final Conc (µg)	Final µg/m <sup>3</sup>		
2,4-Dinitrophenol			ND	ND	ND	ND		
4-Nitrophenol			ND	ND	ND	ND		
Acenaphthene			0.36	0.002	U	0.67	0.004	U
2,4-Dinitrotoluene			ND	ND		ND	ND	
2-Naphthylamine			ND	ND		ND	ND	
Dibenzofuran			0.90	0.005	U	1.71	0.01	U
Pentachlorobenzene			ND	ND		ND	ND	
1-Naphthylamine			ND	ND		ND	ND	
Diethyl phthalate			ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol			ND	ND		ND	ND	
4-Nitroaniline			ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether			ND	ND		ND	ND	
Fluorene			0.72	0.004	U	1.09	0.01	U
5-Nitro-o-toluidine			ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol			ND	ND		ND	ND	
Diphenylamine			ND	ND		ND	ND	
Azobenzene			ND	ND		ND	ND	
Phenacetin			ND	ND		ND	ND	
Diallate			ND	ND		ND	ND	
4-Bromophenyl phenyl ether			ND	ND		ND	ND	
4-Aminobiphenyl			ND	ND		ND	ND	
Hexachlorobenzene			ND	ND		ND	ND	
Pronamide			ND	ND		ND	ND	
Pentachlorophenol			ND	ND		ND	ND	
Pentachloronitrobenzene			ND	ND		ND	ND	
Phenanthrene			1.57	0.01	U	2.48	0.01	U
Dinoseb			ND	ND		ND	ND	
Anthracene			ND	ND		ND	ND	
Carbazole			ND	ND		ND	ND	
Di-n-butyl phthalate			ND	ND		ND	ND	
Benzidine			ND	ND		ND	ND	
Isodrin			ND	ND		ND	ND	
Fluoranthene			ND	ND		ND	ND	
Pyrene			ND	ND		ND	ND	
4-Dimethylaminoazobenzene			ND	ND		ND	ND	
Chlorobenzilate			ND	ND		ND	ND	
3,3'-Dimethylbenzidine			ND	ND		ND	ND	
Butyl benzyl phthalate			ND	ND		ND	ND	
2-Acetylaminofluorene			ND	ND		ND	ND	
3-Methylcholanthrene			ND	ND		ND	ND	
3,3'-Dichlorobenzidine			ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate			ND	ND		ND	ND	
Benzo(a)anthracene			ND	ND		ND	ND	
Chrysene			ND	ND		ND	ND	
Di-n-octyl phthalate			ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene			ND	ND		ND	ND	
Benzo(b)fluoranthene			ND	ND		ND	ND	
Benzo(k)fluoranthene			ND	ND		ND	ND	
Benzo(a)pyrene			ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene			ND	ND		ND	ND	
Dibenz(a,h)anthracene			ND	ND		ND	ND	
Benzo(g,h,i)perylene			ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25330		25457		25608	
<b>File I.D.</b>	ENG2881.D		ENG2902.D		ENG2917.D	
<b>Date Sampled</b>	01/20/02		01/26/02		02/01/02	
<b>Date Analyzed</b>	02/26/02		02/27/02		02/28/02	
	Actual Vol (m <sup>3</sup> )	216.8	Actual Vol (m <sup>3</sup> )	196.2	Actual Vol (m <sup>3</sup> )	202.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	28.03	0.13	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	57.41	0.26	50.00	0.25	29.35	0.15
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	2.27	0.01	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	57.58	0.27	53.53	0.27	50.02	0.25
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	24.93	0.11	29.72	0.15	24.54	0.12
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	25330			25457			25608		
File I.D.	ENG2881.D			ENG2902.D			ENG2917.D		
Date Sampled	01/20/02			01/26/02			02/01/02		
Date Analyzed	02/26/02			02/27/02			02/28/02		
	Actual Vol (m³)	216.8		Actual Vol (m³)	196.2		Actual Vol (m³)	202.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.64	0.003	U	0.93	0.005	U	1.15	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.11	0.01	U	1.56	0.01	U	2.03	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		21.08	0.10	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.53	0.01	U	1.13	0.01	U	1.31	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.18	0.01	U	2.54	0.01	U	3.25	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25734	25888 - Field Blank	25895		
<b>File I.D.</b>	VOID	ENG3039.D	ENG3050.D		
<b>Date Sampled</b>	02/07/02	02/13/02	02/19/02		
<b>Date Analyzed</b>		03/28/02	03/29/02		
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	252.4	
<b><u>Compound</u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>	
N-Nitrosodimethylamine		ND	ND	ND	ND
Pyridine		ND	ND	ND	ND
Ethyl methanesulfonate		ND	ND	ND	ND
2-Picoline		ND	ND	ND	ND
N-Nitrosomethylethylamine		ND	ND	ND	ND
Methyl methanesulfonate		ND	ND	ND	ND
N-Nitrosodiethylamine		ND	ND	ND	ND
Phenol		ND	ND	21.28	0.08
Pentachloroethane		ND	ND	ND	ND
bis (2-Chloroethyl)ether		ND	ND	ND	ND
Aniline		ND	ND	ND	ND
2-Chlorophenol		ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND
1,4-Dichlorobenzene		ND	ND	176.47	0.70
Benzyl alcohol		ND	ND	ND	ND
2-Methylphenol		ND	ND	ND	ND
1,2-Dichlorobenzene		ND	ND	ND	ND
bis(2-Chloroisopropyl)ether		ND	ND	ND	ND
3&4-Methylphenol		ND	ND	ND	ND
N-Nitrosopyrrolidine		ND	ND	ND	ND
N-Nitrosodipropylamine		ND	ND	ND	ND
o-Toluidine		ND	ND	ND	ND
Hexachloroethane		ND	ND	ND	ND
Acetophenone		ND	ND	ND	ND
Nitrobenzene		ND	ND	ND	ND
N-Nitrosopiperidine		ND	ND	ND	ND
Isophorone		ND	ND	ND	ND
2-Nitrophenol		ND	ND	ND	ND
2,4-Dimethylphenol		ND	ND	ND	ND
bis(2-Chloroethoxy)methane		ND	ND	ND	ND
2,4-Dichlorophenol		ND	ND	ND	ND
4-Chloroaniline		ND	ND	ND	ND
1,2,4-Trichlorobenzene		ND	ND	ND	ND
Naphthalene		ND	ND	98.59	0.39
2,6-Dichlorophenol		ND	ND	ND	ND
Hexachloropropene		ND	ND	ND	ND
Hexachlorobutadiene		ND	ND	ND	ND
N-Nitrosodibutylamine		ND	ND	ND	ND
4-Chloro-3-methylphenol		ND	ND	ND	ND
Safrole		ND	ND	ND	ND
2-Methylnaphthalene		ND	ND	38.25	0.15
1,2,4,5-Tetrachlorobenzene		ND	ND	ND	ND
2,4,6-Trichlorophenol		ND	ND	ND	ND
Hexachlorocyclopentadiene		ND	ND	ND	ND
2,4,5-Trichlorophenol		ND	ND	ND	ND
2-Nitroaniline		ND	ND	ND	ND
Isosafrole		ND	ND	ND	ND
2-Chloronaphthalene		ND	ND	ND	ND
1,4-Naphthoquinone		ND	ND	ND	ND
Dimethyl phthalate		ND	ND	ND	ND
1,3-Dinitrobenzene		ND	ND	ND	ND
2,6-Dinitrotoluene		ND	ND	ND	ND
3-Nitroaniline		ND	ND	ND	ND
Acenaphthylene		ND	ND	1.21	0.005 U

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	25734	25888 - Field Blank		25895		
File I.D.	VOID	ENG3039.D		ENG3050.D		
Date Sampled	02/07/02	02/13/02		02/19/02		
Date Analyzed		03/28/02		03/29/02		
	Actual Vol (m³)	Actual Vol (m³)		Actual Vol (m³)	252.4	
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol			ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND
Acenaphthene			ND	ND	1.36	0.01
2,4-Dinitrotoluene			ND	ND	ND	ND
2-Naphthylamine			ND	ND	ND	ND
Dibenzofuran			ND	ND	2.67	0.01
Pentachlorobenzene			ND	ND	ND	ND
1-Naphthylamine			ND	ND	ND	ND
Diethyl phthalate			ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol			ND	ND	ND	ND
4-Nitroaniline			ND	ND	ND	ND
4-Chlorophenyl-phenyl ether			ND	ND	ND	ND
Fluorene			ND	ND	1.75	0.01
5-Nitro-o-toluidine			ND	ND	ND	ND
4,6-Dinitro-2-methylphenol			ND	ND	ND	ND
Diphenylamine			ND	ND	ND	ND
Azobenzene			ND	ND	ND	ND
Phenacetin			ND	ND	ND	ND
Diallate			ND	ND	ND	ND
4-Bromophenyl phenyl ether			ND	ND	ND	ND
4-Aminobiphenyl			ND	ND	ND	ND
Hexachlorobenzene			ND	ND	ND	ND
Pronamide			ND	ND	ND	ND
Pentachlorophenol			ND	ND	ND	ND
Pentachloronitrobenzene			ND	ND	ND	ND
Phenanthrene			ND	ND	3.49	0.01
Dinoseb			ND	ND	ND	ND
Anthracene			ND	ND	ND	ND
Carbazole			ND	ND	ND	ND
Di-n-butyl phthalate			ND	ND	ND	ND
Benzidine			ND	ND	ND	ND
Isodrin			ND	ND	ND	ND
Fluoranthene			ND	ND	0.62	0.002
Pyrene			ND	ND	0.54	0.002
4-Dimethylaminoazobenzene			ND	ND	ND	ND
Chlorobenzilate			ND	ND	ND	ND
3,3'-Dimethylbenzidine			ND	ND	ND	ND
Butyl benzyl phthalate			ND	ND	ND	ND
2-Acetylaminofluorene			ND	ND	ND	ND
3-Methylcholanthrene			ND	ND	ND	ND
3,3'-Dichlorobenzidine			ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate			ND	ND	ND	ND
Benzo(a)anthracene			ND	ND	ND	ND
Chrysene			ND	ND	ND	ND
Di-n-octyl phthalate			ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene			ND	ND	ND	ND
Benzo(b)fluoranthene			ND	ND	ND	ND
Benzo(k)fluoranthene			ND	ND	ND	ND
Benzo(a)pyrene			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene			ND	ND	ND	ND
Dibenz(a,h)anthracene			ND	ND	ND	ND
Benzo(g,h,i)perylene			ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	26058		26210		26290	
<b>File I.D.</b>	ENG3053.D		ENG3096.D		ENG3102.D	
<b>Date Sampled</b>	02/25/02		03/03/02		03/09/02	
<b>Date Analyzed</b>	03/29/02		04/11/02		04/11/02	
	Actual Vol (m <sup>3</sup> )	242.1	Actual Vol (m <sup>3</sup> )	250.0	Actual Vol (m <sup>3</sup> )	300.6
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	202.53	0.84	4.34	0.02 U	21.43	0.07
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	137.85	0.57	5.64	0.02 U	21.03	0.07
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	56.61	0.23	ND	ND	6.73	0.02 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.26	0.01 U	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	26058			26210			26290		
File I.D.	ENG3053.D			ENG3096.D			ENG3102.D		
Date Sampled	02/25/02			03/03/02			03/09/02		
Date Analyzed	03/29/02			04/11/02			04/11/02		
	Actual Vol (m³)	242.1		Actual Vol (m³)	250.0		Actual Vol (m³)	300.6	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.60	0.01	U	ND	ND		1.48	0.005	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.20	0.02	U	ND	ND		1.63	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		13.24	0.04	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.74	0.01	U	ND	ND		0.74	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.23	0.02	U	0.62	0.002	U	1.79	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	20.53	0.08		8.05	0.03	U	7.28	0.02	U
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	26350		26434		26540	
<b>File I.D.</b>	ENG3120.D		ENG3132.D		ENG3161.D	
<b>Date Sampled</b>	03/15/02		03/21/02		03/27/02	
<b>Date Analyzed</b>	04/12/02		04/12/02		04/15/02	
	Actual Vol (m <sup>3</sup> )	236.3	Actual Vol (m <sup>3</sup> )	214.4	Actual Vol (m <sup>3</sup> )	219.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	25.45	0.11	21.07	0.10	28.47	0.13
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	11.67	0.05	14.72	0.07	19.37	0.09
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	5.46	0.02	5.97	0.03	6.90	0.03
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	26350			26434			26540		
File I.D.	ENG3120.D			ENG3132.D			ENG3161.D		
Date Sampled	03/15/02			03/21/02			03/27/02		
Date Analyzed	04/12/02			04/12/02			04/15/02		
	Actual Vol (m³)	236.3		Actual Vol (m³)	214.4		Actual Vol (m³)	219.6	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.69	0.003	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.97	0.004	U	0.65	0.003	U	1.00	0.005	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	4.82	0.02	U	ND	ND		4.15	0.02	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		ND	ND		0.63	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.20	0.01	U	0.93	0.004	U	1.26	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	5.73	0.02	U	6.12	0.03	U	ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	26590			26723			26913		
File I.D.	ENG3193			ENG3207			ENG3221		
Date Sampled	04/02/02			04/08/02			04/14/02		
Date Analyzed	05/30/02			05/31/02			05/31/02		
	Actual Vol (m³)	203.8		Actual Vol (m³)	198.5		Actual Vol (m³)	179.9	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	6.68	0.03	U	ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	53.51	0.26		40.10	0.20		64.06	0.36	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	24.83	0.12		27.92	0.14		37.62	0.21	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	11.14	0.05	U	9.62	0.05	U	15.73	0.09	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	26590			26723			26913		
File I.D.	ENG3193			ENG3207			ENG3221		
Date Sampled	04/02/02			04/08/02			04/14/02		
Date Analyzed	05/30/02			05/31/02			05/31/02		
	Actual Vol (m³)	203.8		Actual Vol (m³)	198.5		Actual Vol (m³)	179.9	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.75	0.004	U	ND	ND		2.93	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	ND	ND		1.34	0.007	U	2.76	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		ND	ND		1.13	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	ND	ND		ND	ND		4.11	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		11.43	0.06	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	27039	27303	27395
<b>File I.D.</b>	ENG3227	ENG3235	ENG3246
<b>Date Sampled</b>	04/20/02	04/26/02	05/02/02
<b>Date Analyzed</b>	06/04/02	06/04/02	06/05/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	181.5	181.3	207.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	17.31	0.10	12.65	0.07	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	76.08	0.42	165.59	0.91	24.49	0.12
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	73.53	0.41	117.83	0.65	28.16	0.14
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	31.23	0.17	37.63	0.21	13.82	0.07
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

U

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	27039			27303			27395	
File I.D.	ENG3227			ENG3235			ENG3246	
Date Sampled	04/20/02			04/26/02			05/02/02	
Date Analyzed	06/04/02			06/04/02			06/05/02	
	Actual Vol (m³)	181.5		Actual Vol (m³)	181.3		Actual Vol (m³)	207.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	3.36	0.02	U	2.65	0.01	U	2.59	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	5.29	0.03	U	2.46	0.01	U	1.96	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	53.22	0.29		ND	ND		18.66	0.09	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	4.36	0.02	U	1.66	0.01	U	1.36	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	8.07	0.04	U	2.79	0.02	U	4.84	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	24.77	0.14		5.90	0.03	U	ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.08	0.01	U	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	27468	27527
File I.D.	ENG3243	ENG3263
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/29/02
Actual Vol (m <sup>3</sup> )	208.7	219.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND
Phenol	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND
Aniline	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	14.58	0.07	28.30	0.13
Benzyl alcohol	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	20.27	0.10	20.53	0.09
2,6-Dichlorophenol	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
Safrole	ND	ND	ND	ND
2-Methylnaphthalene	5.55	0.03	5.49	0.02
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatiles Samples - Camden, NJ (CANJ)

## 2002 Final Data Report

Sample I.D.	27468	27527
File I.D.	ENG3243	ENG3263
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/29/02
Actual Vol (m <sup>3</sup> )	208.7	219.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND	
Acenaphthene	0.93	0.004	U	0.51	0.002	U
2,4-Dinitrotoluene	ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND	
Dibenzofuran	1.76	0.008	U	0.71	0.003	U
Pentachlorobenzene	ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	
Fluorene	1.21	0.006	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND	
Phenanthrene	1.39	0.01	U	1.36	0.01	U
Dinoseb	ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND	
Di-n-butyl phthalate	19.55	0.09		3.06	0.01	U
Benzidine	ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	24965			25031			25191		
File I.D.	ENG2811.D			ENG2818.D			ENG2878.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			01/18/02			02/26/02		
	Actual Vol (m³)	211.9		Actual Vol (m³)	212.1		Actual Vol (m³)	221.4	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	13.76	0.06	U	ND	ND		15.71	0.07	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	3.05	0.01	U	2.32	0.01	U	4.67	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	11.68	0.06	U	9.47	0.04	U	21.82	0.10	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	3.23	0.02	U	2.78	0.01	U	6.70	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	24965			25031			25191		
File I.D.	ENG2811.D			ENG2818.D			ENG2878.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			01/18/02			02/26/02		
	Actual Vol (m³)	211.9		Actual Vol (m³)	212.1		Actual Vol (m³)	221.4	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		0.25	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	ND	ND		ND	ND		0.85	0.004	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.21	0.001	U	0.16	0.001	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	ND	ND		ND	ND		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	25333			25460			25611		
File I.D.	ENG2883.D			ENG2942.D			ENG2920.D		
Date Sampled	01/20/02			01/26/02			02/01/02		
Date Analyzed	02/26/02			03/01/02			02/28/02		
	Actual Vol (m <sup>3</sup> )	238.3		Actual Vol (m <sup>3</sup> )	235.3		Actual Vol (m <sup>3</sup> )	244.3	
Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	19.44	0.08		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	8.27	0.03	U	4.46	0.02	U	18.47	0.08	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	23.81	0.10		17.18	0.07		22.72	0.09	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	6.07	0.03	U	4.99	0.02	U	10.08	0.04	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25333			25460			25611		
<b>File I.D.</b>	ENG2883.D			ENG2942.D			ENG2920.D		
<b>Date Sampled</b>	01/20/02			01/26/02			02/01/02		
<b>Date Analyzed</b>	02/26/02			03/01/02			02/28/02		
	Actual Vol (m <sup>3</sup> )	238.3		Actual Vol (m <sup>3</sup> )	235.3		Actual Vol (m <sup>3</sup> )	244.3	
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		0.34	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.05	0.004	U	0.89	0.004	U	0.69	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.70	0.003	U	0.68	0.003	U	0.69	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.86	0.004	U	ND	ND		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25710			25889		25893
<b>File I.D.</b>	ENG2930.D			VOID		ENG3048.D
<b>Date Sampled</b>	02/07/02			02/13/02		02/19/02
<b>Date Analyzed</b>	02/28/02					03/29/02
	Actual Vol (m <sup>3</sup> )	240.5		Actual Vol (m <sup>3</sup> )		Actual Vol (m <sup>3</sup> )
						228.2
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND	
Phenol	21.86	0.09		ND	ND	
Pentachloroethane	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND	
Aniline	ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND	
1,4-Dichlorobenzene	6.56	0.03	U	9.86	0.04	U
Benzyl alcohol	ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND	
Naphthalene	32.34	0.13		23.59	0.10	
2,6-Dichlorophenol	ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND	
Safrole	ND	ND		ND	ND	
2-Methylnaphthalene	ND	ND		8.34	0.04	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25710			25889			25893
<b>File I.D.</b>	ENG2930.D			VOID			ENG3048.D
<b>Date Sampled</b>	02/07/02			02/13/02			02/19/02
<b>Date Analyzed</b>	02/28/02						03/29/02
	Actual Vol (m <sup>3</sup> )	240.5		Actual Vol (m <sup>3</sup> )			Actual Vol (m <sup>3</sup> )
							228.2
<b>Compound</b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>		<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>		<b>Final Conc (µg)</b>
							<b>Final µg/m<sup>3</sup></b>
2,4-Dinitrophenol	ND	ND				ND	ND
4-Nitrophenol	ND	ND				ND	ND
Acenaphthene	ND	ND				0.46	0.002 U
2,4-Dinitrotoluene	ND	ND				ND	ND
2-Naphthylamine	ND	ND				ND	ND
Dibenzofuran	1.34	0.01	U			1.06	0.005 U
Pentachlorobenzene	ND	ND				ND	ND
1-Naphthylamine	ND	ND				ND	ND
Diethyl phthalate	ND	ND				ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND				ND	ND
4-Nitroaniline	ND	ND				ND	ND
4-Chlorophenyl-phenyl ether	ND	ND				ND	ND
Fluorene	0.88	0.004	U			0.64	0.003 U
5-Nitro-o-toluidine	ND	ND				ND	ND
4,6-Dinitro-2-methylphenol	ND	ND				ND	ND
Diphenylamine	ND	ND				ND	ND
Azobenzene	ND	ND				ND	ND
Phenacetin	ND	ND				ND	ND
Diallate	ND	ND				ND	ND
4-Bromophenyl phenyl ether	ND	ND				ND	ND
4-Aminobiphenyl	ND	ND				ND	ND
Hexachlorobenzene	ND	ND				ND	ND
Pronamide	ND	ND				ND	ND
Pentachlorophenol	ND	ND				ND	ND
Pentachloronitrobenzene	ND	ND				ND	ND
Phenanthrene	1.52	0.01	U			0.94	0.004 U
Dinoseb	ND	ND				ND	ND
Anthracene	ND	ND				ND	ND
Carbazole	ND	ND				ND	ND
Di-n-butyl phthalate	ND	ND				ND	ND
Benzidine	ND	ND				ND	ND
Isodrin	ND	ND				ND	ND
Fluoranthene	ND	ND				ND	ND
Pyrene	ND	ND				ND	ND
4-Dimethylaminoazobenzene	ND	ND				ND	ND
Chlorobenzilate	ND	ND				ND	ND
3,3'-Dimethylbenzidine	ND	ND				ND	ND
Butyl benzyl phthalate	ND	ND				ND	ND
2-Acetylaminofluorene	ND	ND				ND	ND
3-Methylcholanthrene	ND	ND				ND	ND
3,3'-Dichlorobenzidine	ND	ND				ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND				ND	ND
Benzo(a)anthracene	ND	ND				ND	ND
Chrysene	ND	ND				ND	ND
Di-n-octyl phthalate	ND	ND				ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND				ND	ND
Benzo(b)fluoranthene	ND	ND				ND	ND
Benzo(k)fluoranthene	ND	ND				ND	ND
Benzo(a)pyrene	ND	ND				ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND				ND	ND
Dibenz(a,h)anthracene	ND	ND				ND	ND
Benzo(g,h,i)perylene	ND	ND				ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	26060	26211	26289			
<b>File I.D.</b>	VOID	VOID	ENG3100.D			
<b>Date Sampled</b>	02/25/02	03/03/02	03/09/02			
<b>Date Analyzed</b>			04/11/02			
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	253.4		
<b><u>Compound</u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>
N-Nitrosodimethylamine					ND	ND
Pyridine					ND	ND
Ethyl methanesulfonate					ND	ND
2-Picoline					ND	ND
N-Nitrosomethylethylamine					ND	ND
Methyl methanesulfonate					ND	ND
N-Nitrosodiethylamine					ND	ND
Phenol					ND	ND
Pentachloroethane					ND	ND
bis (2-Chloroethyl)ether					ND	ND
Aniline					ND	ND
2-Chlorophenol					ND	ND
1,3-Dichlorobenzene					ND	ND
1,4-Dichlorobenzene					15.42	0.06 U
Benzyl alcohol					ND	ND
2-Methylphenol					ND	ND
1,2-Dichlorobenzene					ND	ND
bis(2-Chloroisopropyl)ether					ND	ND
3&4-Methylphenol					ND	ND
N-Nitrosopyrrolidine					ND	ND
N-Nitrosodipropylamine					ND	ND
o-Toluidine					ND	ND
Hexachloroethane					ND	ND
Acetophenone					ND	ND
Nitrobenzene					ND	ND
N-Nitrosopiperidine					ND	ND
Isophorone					ND	ND
2-Nitrophenol					ND	ND
2,4-Dimethylphenol					ND	ND
bis(2-Chloroethoxy)methane					ND	ND
2,4-Dichlorophenol					ND	ND
4-Chloroaniline					ND	ND
1,2,4-Trichlorobenzene					ND	ND
Naphthalene					9.87	0.04 U
2,6-Dichlorophenol					ND	ND
Hexachloropropene					ND	ND
Hexachlorobutadiene					ND	ND
N-Nitrosodibutylamine					ND	ND
4-Chloro-3-methylphenol					ND	ND
Safrole					ND	ND
2-Methylnaphthalene					4.54	0.02 U
1,2,4,5-Tetrachlorobenzene					ND	ND
2,4,6-Trichlorophenol					ND	ND
Hexachlorocyclopentadiene					ND	ND
2,4,5-Trichlorophenol					ND	ND
2-Nitroaniline					ND	ND
Isosafrole					ND	ND
2-Chloronaphthalene					ND	ND
1,4-Naphthoquinone					ND	ND
Dimethyl phthalate					ND	ND
1,3-Dinitrobenzene					ND	ND
2,6-Dinitrotoluene					ND	ND
3-Nitroaniline					ND	ND
Acenaphthylene					ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	26060	26211	26289	
<b>File I.D.</b>	VOID	VOID	ENG3100.D	
<b>Date Sampled</b>	02/25/02	03/03/02	03/09/02	
<b>Date Analyzed</b>			04/11/02	
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	253.4
<b><u>Compound</u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>
2,4-Dinitrophenol			ND	ND
4-Nitrophenol			ND	ND
Acenaphthene			0.44	0.002 U
2,4-Dinitrotoluene			ND	ND
2-Naphthylamine			ND	ND
Dibenzofuran			0.61	0.002 U
Pentachlorobenzene			ND	ND
1-Naphthylamine			ND	ND
Diethyl phthalate			ND	ND
2,3,4,6-Tetrachlorophenol			ND	ND
4-Nitroaniline			ND	ND
4-Chlorophenyl-phenyl ether			ND	ND
Fluorene			0.38	0.002 U
5-Nitro-o-toluidine			ND	ND
4,6-Dinitro-2-methylphenol			ND	ND
Diphenylamine			ND	ND
Azobenzene			ND	ND
Phenacetin			ND	ND
Diallate			ND	ND
4-Bromophenyl phenyl ether			ND	ND
4-Aminobiphenyl			ND	ND
Hexachlorobenzene			ND	ND
Pronamide			ND	ND
Pentachlorophenol			ND	ND
Pentachloronitrobenzene			ND	ND
Phenanthrene			0.63	0.002 U
Dinoseb			ND	ND
Anthracene			ND	ND
Carbazole			ND	ND
Di-n-butyl phthalate			ND	ND
Benzydine			ND	ND
Isodrin			ND	ND
Fluoranthene			ND	ND
Pyrene			ND	ND
4-Dimethylaminoazobenzene			ND	ND
Chlorobenzilate			ND	ND
3,3'-Dimethylbenzidine			ND	ND
Butyl benzyl phthalate			ND	ND
2-Acetylaminofluorene			ND	ND
3-Methylcholanthrene			ND	ND
3,3'-Dichlorobenzidine			ND	ND
bis(2-Ethylhexyl)phthalate			ND	ND
Benzo(a)anthracene			ND	ND
Chrysene			ND	ND
Di-n-octyl phthalate			ND	ND
7,12-Dimethylbenz(a)anthracene			ND	ND
Benzo(b)fluoranthene			ND	ND
Benzo(k)fluoranthene			ND	ND
Benzo(a)pyrene			ND	ND
Indeno(1,2,3-cd)pyrene			ND	ND
Dibenz(a,h)anthracene			ND	ND
Benzo(g,h,i)perylene			ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	26351			26436			26539		
File I.D.	ENG3121.D			ENG3128.D			ENG3160.D		
Date Sampled	03/15/02			03/21/02			03/27/02		
Date Analyzed	04/12/02			04/12/02			04/15/02		
	Actual Vol (m³)	256.8		Actual Vol (m³)	258.7		Actual Vol (m³)	247.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	11.71	0.05	U	2.17	0.01	U	4.78	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	10.88	0.04	U	3.67	0.01	U	7.29	0.03	U
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	3.61	0.01	U	0.87	0.003	U	ND	ND	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	26351			26436			26539		
File I.D.	ENG3121.D			ENG3128.D			ENG3160.D		
Date Sampled	03/15/02			03/21/02			03/27/02		
Date Analyzed	04/12/02			04/12/02			04/15/02		
	Actual Vol (m³)	256.8		Actual Vol (m³)	258.7		Actual Vol (m³)	247.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		0.19	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.88	0.003	U	ND	ND		0.51	0.002	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.73	0.003	U	ND	ND		ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.77	0.003	U	ND	ND		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	4.54	0.02	U	ND	ND		ND	ND	
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	26592		26721		26911	
File I.D.	ENG3197		ENG3205		ENG3219	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m³)	230.0	Actual Vol (m³)	214.6	Actual Vol (m³)	213.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.32	0.02	U	3.97	0.02	U	4.64	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	5.73	0.02	U	8.13	0.04	U	7.28	0.03	U
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	2.00	0.01	U	2.80	0.01	U	2.74	0.01	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	26592		26721		26911	
<b>File I.D.</b>	ENG3197		ENG3205		ENG3219	
<b>Date Sampled</b>	04/02/02		04/08/02		04/14/02	
<b>Date Analyzed</b>	05/30/02		05/31/02		05/31/02	
	Actual Vol (m <sup>3</sup> )	230.0	Actual Vol (m <sup>3</sup> )	214.6	Actual Vol (m <sup>3</sup> )	213.0
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	1.16	0.005 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	1.01	0.005 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	1.36	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	8.30	0.04 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	27040			27302			27469	
File I.D.	ENG3228			ENG3234			ENG3249	
Date Sampled	04/20/02			04/26/02			05/02/02	
Date Analyzed	06/04/02			06/04/02			06/05/02	
	Actual Vol (m³)	204.9		Actual Vol (m3)	253.2		Actual Vol (m³)	262.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	ND	ND		ND	ND		ND	ND
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	3.54	0.02	U	ND	ND		40.85	0.16
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	9.92	0.05	U	6.62	0.03	U	52.65	0.20
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	4.36	0.02	U	2.60	0.01	U	21.39	0.08
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	27040		27302		27469	
<b>File I.D.</b>	ENG3228		ENG3234		ENG3249	
<b>Date Sampled</b>	04/20/02		04/26/02		05/02/02	
<b>Date Analyzed</b>	06/04/02		06/04/02		06/05/02	
	Actual Vol (m <sup>3</sup> )	204.9	Actual Vol (m <sup>3</sup> )	253.2	Actual Vol (m <sup>3</sup> )	262.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	1.36	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	2.09	0.008 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	1.69	0.006 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	0.51	0.002 U	ND	ND	3.21	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	13.38	0.05 U
Benidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	27469	27526
File I.D.	ENG3244	ENG3262
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/28/02
Actual Vol (m <sup>3</sup> )	201.4	250.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	
Phenol	ND	ND	ND	ND	
Pentachloroethane	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	
1,4-Dichlorobenzene	35.26	0.18	3.40	0.01	U
Benzyl alcohol	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	
Acetophenone	ND	ND	ND	ND	
Nitrobenzene	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	
Naphthalene	28.30	0.14	6.44	0.03	U
2,6-Dichlorophenol	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	
2-Methylnaphthalene	11.79	0.06	2.30	0.01	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2002 Final Data Report

Sample I.D.	27469	27526
File I.D.	ENG3244	ENG3262
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/28/02
	Actual Vol (m <sup>3</sup> ) 201.4	Actual Vol (m <sup>3</sup> ) 250.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND
Acenaphthene	1.91	0.009	U	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND
Dibenzofuran	2.14	0.01	U	ND	ND
Pentachlorobenzene	ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND
Fluorene	1.96	0.01	U	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND
Diallyl	ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND
Pronamide	ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND
Phenanthrene	2.94	0.01	U	ND	ND
Dinoseb	ND	ND		ND	ND
Anthracene	ND	ND		ND	ND
Carbazole	ND	ND		ND	ND
Di-n-butyl phthalate	13.55	0.07	U	ND	ND
Benzidine	ND	ND		ND	ND
Isodrin	ND	ND		ND	ND
Fluoranthene	ND	ND		ND	ND
Pyrene	ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND
Chrysene	ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	24954	25049	25185
<b>File I.D.</b>	ENG2805.D	ENG2842.D	VOID
<b>Date Sampled</b>	01/02/02	01/08/02	01/14/02
<b>Date Analyzed</b>	01/18/02	02/03/02	
	Actual Vol (m <sup>3</sup> )	254.0	Actual Vol (m <sup>3</sup> ) 224.9
			Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND			
Pyridine	ND	ND		ND	ND			
Ethyl methanesulfonate	ND	ND		ND	ND			
2-Picoline	ND	ND		ND	ND			
N-Nitrosomethylethylamine	ND	ND		ND	ND			
Methyl methanesulfonate	ND	ND		ND	ND			
N-Nitrosodiethylamine	ND	ND		ND	ND			
Phenol	22.37	0.09	U	48.72	0.22			
Pentachloroethane	ND	ND		ND	ND			
bis (2-Chloroethyl)ether	ND	ND		ND	ND			
Aniline	ND	ND		ND	ND			
2-Chlorophenol	ND	ND		ND	ND			
1,3-Dichlorobenzene	ND	ND		ND	ND			
1,4-Dichlorobenzene	18.34	0.07		4.52	0.02	U		
Benzyl alcohol	ND	ND		ND	ND			
2-Methylphenol	ND	ND		ND	ND			
1,2-Dichlorobenzene	ND	ND		ND	ND			
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND			
3&4-Methylphenol	ND	ND		ND	ND			
N-Nitrosopyrrolidine	ND	ND		ND	ND			
N-Nitrosodipropylamine	ND	ND		ND	ND			
o-Toluidine	ND	ND		ND	ND			
Hexachloroethane	ND	ND		ND	ND			
Acetophenone	ND	ND		ND	ND			
Nitrobenzene	ND	ND		ND	ND			
N-Nitrosopiperidine	ND	ND		ND	ND			
Isophorone	ND	ND		ND	ND			
2-Nitrophenol	ND	ND		ND	ND			
2,4-Dimethylphenol	ND	ND		ND	ND			
bis(2-Chloroethoxy)methane	ND	ND		ND	ND			
2,4-Dichlorophenol	ND	ND		ND	ND			
4-Chloroaniline	ND	ND		ND	ND			
1,2,4-Trichlorobenzene	ND	ND		ND	ND			
Naphthalene	95.87	0.38		37.32	0.17			
2,6-Dichlorophenol	ND	ND		ND	ND			
Hexachloropropene	ND	ND		ND	ND			
Hexachlorobutadiene	ND	ND		ND	ND			
N-Nitrosodibutylamine	ND	ND		ND	ND			
4-Chloro-3-methylphenol	ND	ND		ND	ND			
Safrole	ND	ND		ND	ND			
2-Methylnaphthalene	66.10	0.26		24.82	0.11			
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND			
2,4,6-Trichlorophenol	ND	ND		ND	ND			
Hexachlorocyclopentadiene	ND	ND		ND	ND			
2,4,5-Trichlorophenol	ND	ND		ND	ND			
2-Nitroaniline	ND	ND		ND	ND			
Isosafrole	ND	ND		ND	ND			
2-Chloronaphthalene	ND	ND		ND	ND			
1,4-Naphthoquinone	ND	ND		ND	ND			
Dimethyl phthalate	ND	ND		ND	ND			
1,3-Dinitrobenzene	ND	ND		ND	ND			
2,6-Dinitrotoluene	ND	ND		ND	ND			
3-Nitroaniline	ND	ND		ND	ND			
Acenaphthylene	2.25	0.01	U	ND	ND			

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	24954	25049	25185
<b>File I.D.</b>	ENG2805.D	ENG2842.D	VOID
<b>Date Sampled</b>	01/02/02	01/08/02	01/14/02
<b>Date Analyzed</b>	01/18/02	02/03/02	
	Actual Vol (m <sup>3</sup> )	254.0	Actual Vol (m <sup>3</sup> ) 224.9
			Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	1.99	0.01	U	1.58	0.01	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	3.39	0.01	U	2.21	0.01	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	4.50	0.02	U	1.90	0.01	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallate	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	8.97	0.04	U	4.73	0.02	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	0.54	0.002	U	ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	28.00	0.11		28.89	0.13			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25295	25419	25545
<b>File I.D.</b>	ENG2897.D	ENG2901.D	VOID
<b>Date Sampled</b>	01/20/02	01/26/02	02/01/02
<b>Date Analyzed</b>	02/27/02	02/27/02	
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	247.6	265.0	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND			
Pyridine	ND	ND		ND	ND			
Ethyl methanesulfonate	ND	ND		ND	ND			
2-Picoline	ND	ND		ND	ND			
N-Nitrosomethylethylamine	ND	ND		ND	ND			
Methyl methanesulfonate	ND	ND		ND	ND			
N-Nitrosodiethylamine	ND	ND		ND	ND			
Phenol	48.71	0.20		42.67	0.16			
Pentachloroethane	ND	ND		ND	ND			
bis (2-Chloroethyl)ether	ND	ND		ND	ND			
Aniline	ND	ND		ND	ND			
2-Chlorophenol	ND	ND		ND	ND			
1,3-Dichlorobenzene	ND	ND		ND	ND			
1,4-Dichlorobenzene	5.71	0.02	U	6.25	0.02	U		
Benzyl alcohol	ND	ND		ND	ND			
2-Methylphenol	ND	ND		2.52	0.01	U		
1,2-Dichlorobenzene	ND	ND		ND	ND			
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND			
3&4-Methylphenol	3.55	0.01	U	3.49	0.01	U		
N-Nitrosopyrrolidine	ND	ND		ND	ND			
N-Nitrosodipropylamine	ND	ND		ND	ND			
o-Toluidine	ND	ND		ND	ND			
Hexachloroethane	ND	ND		ND	ND			
Acetophenone	ND	ND		ND	ND			
Nitrobenzene	ND	ND		ND	ND			
N-Nitrosopiperidine	ND	ND		ND	ND			
Isophorone	ND	ND		ND	ND			
2-Nitrophenol	ND	ND		ND	ND			
2,4-Dimethylphenol	ND	ND		ND	ND			
bis(2-Chloroethoxy)methane	ND	ND		ND	ND			
2,4-Dichlorophenol	ND	ND		ND	ND			
4-Chloroaniline	ND	ND		ND	ND			
1,2,4-Trichlorobenzene	ND	ND		ND	ND			
Naphthalene	49.04	0.20		47.66	0.18			
2,6-Dichlorophenol	ND	ND		ND	ND			
Hexachloropropene	ND	ND		ND	ND			
Hexachlorobutadiene	ND	ND		ND	ND			
N-Nitrosodibutylamine	ND	ND		ND	ND			
4-Chloro-3-methylphenol	ND	ND		ND	ND			
Safrole	ND	ND		ND	ND			
2-Methylnaphthalene	32.53	0.13		25.72	0.10			
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND			
2,4,6-Trichlorophenol	ND	ND		ND	ND			
Hexachlorocyclopentadiene	ND	ND		ND	ND			
2,4,5-Trichlorophenol	ND	ND		ND	ND			
2-Nitroaniline	ND	ND		ND	ND			
Isosafrole	ND	ND		ND	ND			
2-Chloronaphthalene	ND	ND		ND	ND			
1,4-Naphthoquinone	ND	ND		ND	ND			
Dimethyl phthalate	ND	ND		ND	ND			
1,3-Dinitrobenzene	ND	ND		ND	ND			
2,6-Dinitrotoluene	ND	ND		ND	ND			
3-Nitroaniline	ND	ND		ND	ND			
Acenaphthylene	1.27	0.01	U	0.84	0.003	U		

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25295			25419		25545
<b>File I.D.</b>	ENG2897.D			ENG2901.D		VOID
<b>Date Sampled</b>	01/20/02			01/26/02		02/01/02
<b>Date Analyzed</b>	02/27/02			02/27/02		
	Actual Vol (m <sup>3</sup> )	247.6		Actual Vol (m <sup>3</sup> )	265.0	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	2.87	0.01	U	3.39	0.01	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	3.89	0.02	U	ND	ND			
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	3.21	0.01	U	2.57	0.01	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallyl	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	6.42	0.03	U	5.17	0.02	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	28.91	0.12		24.39	0.09			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25661	25718	25843
<b>File I.D.</b>	ENG2924.D	VOID	VOID
<b>Date Sampled</b>	02/07/02	02/13/02	02/19/02
<b>Date Analyzed</b>	02/28/02		
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	291.3		

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND				
Pyridine	ND	ND				
Ethyl methanesulfonate	ND	ND				
2-Picoline	ND	ND				
N-Nitrosomethylethylamine	ND	ND				
Methyl methanesulfonate	ND	ND				
N-Nitrosodiethylamine	ND	ND				
Phenol	ND	ND				
Pentachloroethane	ND	ND				
bis (2-Chloroethyl)ether	ND	ND				
Aniline	ND	ND				
2-Chlorophenol	ND	ND				
1,3-Dichlorobenzene	ND	ND				
1,4-Dichlorobenzene	11.55	0.04	U			
Benzyl alcohol	ND	ND				
2-Methylphenol	ND	ND				
1,2-Dichlorobenzene	ND	ND				
bis(2-Chloroisopropyl)ether	ND	ND				
3&4-Methylphenol	ND	ND				
N-Nitrosopyrrolidine	ND	ND				
N-Nitrosodipropylamine	ND	ND				
o-Toluidine	ND	ND				
Hexachloroethane	ND	ND				
Acetophenone	ND	ND				
Nitrobenzene	ND	ND				
N-Nitrosopiperidine	ND	ND				
Isophorone	ND	ND				
2-Nitrophenol	ND	ND				
2,4-Dimethylphenol	ND	ND				
bis(2-Chloroethoxy)methane	ND	ND				
2,4-Dichlorophenol	ND	ND				
4-Chloroaniline	ND	ND				
1,2,4-Trichlorobenzene	ND	ND				
Naphthalene	65.49	0.22				
2,6-Dichlorophenol	ND	ND				
Hexachloropropene	ND	ND				
Hexachlorobutadiene	ND	ND				
N-Nitrosodibutylamine	ND	ND				
4-Chloro-3-methylphenol	ND	ND				
Safrole	ND	ND				
2-Methylnaphthalene	45.12	0.15				
1,2,4,5-Tetrachlorobenzene	ND	ND				
2,4,6-Trichlorophenol	ND	ND				
Hexachlorocyclopentadiene	ND	ND				
2,4,5-Trichlorophenol	ND	ND				
2-Nitroaniline	ND	ND				
Isosafrole	ND	ND				
2-Chloronaphthalene	ND	ND				
1,4-Naphthoquinone	ND	ND				
Dimethyl phthalate	ND	ND				
1,3-Dinitrobenzene	ND	ND				
2,6-Dinitrotoluene	ND	ND				
3-Nitroaniline	ND	ND				
Acenaphthylene	ND	ND				

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25661	25718	25843
<b>File I.D.</b>	ENG2924.D	VOID	VOID
<b>Date Sampled</b>	02/07/02	02/13/02	02/19/02
<b>Date Analyzed</b>	02/28/02		
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	291.3		

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND					
4-Nitrophenol	ND	ND					
Acenaphthene	3.30	0.01	U				
2,4-Dinitrotoluene	ND	ND					
2-Naphthylamine	ND	ND					
Dibenzofuran	4.15	0.01	U				
Pentachlorobenzene	ND	ND					
1-Naphthylamine	ND	ND					
Diethyl phthalate	ND	ND					
2,3,4,6-Tetrachlorophenol	ND	ND					
4-Nitroaniline	ND	ND					
4-Chlorophenyl-phenyl ether	ND	ND					
Fluorene	3.25	0.01	U				
5-Nitro-o-toluidine	ND	ND					
4,6-Dinitro-2-methylphenol	ND	ND					
Diphenylamine	ND	ND					
Azobenzene	ND	ND					
Phenacetin	ND	ND					
Diallate	ND	ND					
4-Bromophenyl phenyl ether	ND	ND					
4-Aminobiphenyl	ND	ND					
Hexachlorobenzene	ND	ND					
Pronamide	ND	ND					
Pentachlorophenol	ND	ND					
Pentachloronitrobenzene	ND	ND					
Phenanthrene	7.06	0.02	U				
Dinoseb	ND	ND					
Anthracene	ND	ND					
Carbazole	ND	ND					
Di-n-butyl phthalate	15.85	0.05	U				
Benzidine	ND	ND					
Isodrin	ND	ND					
Fluoranthene	ND	ND					
Pyrene	ND	ND					
4-Dimethylaminoazobenzene	ND	ND					
Chlorobenzilate	ND	ND					
3,3'-Dimethylbenzidine	ND	ND					
Butyl benzyl phthalate	ND	ND					
2-Acetylaminofluorene	ND	ND					
3-Methylcholanthrene	ND	ND					
3,3'-Dichlorobenzidine	ND	ND					
bis(2-Ethylhexyl)phthalate	ND	ND					
Benzo(a)anthracene	ND	ND					
Chrysene	ND	ND					
Di-n-octyl phthalate	ND	ND					
7,12-Dimethylbenz(a)anthracene	ND	ND					
Benzo(b)fluoranthene	ND	ND					
Benzo(k)fluoranthene	ND	ND					
Benzo(a)pyrene	ND	ND					
Indeno(1,2,3-cd)pyrene	ND	ND					
Dibenz(a,h)anthracene	ND	ND					
Benzo(g,h,i)perylene	ND	ND					

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

Sample I.D.	26010	26109	26242
File I.D.	VOID	VOID	VOID
Date Sampled	02/25/02	03/03/02	03/09/02
Date Analyzed			

Actual Vol (m<sup>3</sup>)

Actual Vol (m<sup>3</sup>)

Actual Vol (m<sup>3</sup>)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine						
Pyridine						
Ethyl methanesulfonate						
2-Picoline						
N-Nitrosomethylethylamine						
Methyl methanesulfonate						
N-Nitrosodiethylamine						
Phenol						
Pentachloroethane						
bis (2-Chloroethyl)ether						
Aniline						
2-Chlorophenol						
1,3-Dichlorobenzene						
1,4-Dichlorobenzene						
Benzyl alcohol						
2-Methylphenol						
1,2-Dichlorobenzene						
bis(2-Chloroisopropyl)ether						
3&4-Methylphenol						
N-Nitrosopyrrolidine						
N-Nitrosodipropylamine						
o-Toluidine						
Hexachloroethane						
Acetophenone						
Nitrobenzene						
N-Nitrosopiperidine						
Isophorone						
2-Nitrophenol						
2,4-Dimethylphenol						
bis(2-Chloroethoxy)methane						
2,4-Dichlorophenol						
4-Chloroaniline						
1,2,4-Trichlorobenzene						
Naphthalene						
2,6-Dichlorophenol						
Hexachloropropene						
Hexachlorobutadiene						
N-Nitrosodibutylamine						
4-Chloro-3-methylphenol						
Safrole						
2-Methylnaphthalene						
1,2,4,5-Tetrachlorobenzene						
2,4,6-Trichlorophenol						
Hexachlorocyclopentadiene						
2,4,5-Trichlorophenol						
2-Nitroaniline						
Isosafrole						
2-Chloronaphthalene						
1,4-Naphthoquinone						
Dimethyl phthalate						
1,3-Dinitrobenzene						
2,6-Dinitrotoluene						
3-Nitroaniline						
Acenaphthylene						



# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

Sample I.D.	26010	26109	26242
File I.D.	VOID	VOID	VOID
Date Sampled	02/25/02	03/03/02	03/09/02
Date Analyzed			

Actual Vol (m<sup>3</sup>)

Actual Vol (m<sup>3</sup>)

Actual Vol (m<sup>3</sup>)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol						
4-Nitrophenol						
Acenaphthene						
2,4-Dinitrotoluene						
2-Naphthylamine						
Dibenzofuran						
Pentachlorobenzene						
1-Naphthylamine						
Diethyl phthalate						
2,3,4,6-Tetrachlorophenol						
4-Nitroaniline						
4-Chlorophenyl-phenyl ether						
Fluorene						
5-Nitro-o-toluidine						
4,6-Dinitro-2-methylphenol						
Diphenylamine						
Azobenzene						
Phenacetin						
Diallate						
4-Bromophenyl phenyl ether						
4-Aminobiphenyl						
Hexachlorobenzene						
Pronamide						
Pentachlorophenol						
Pentachloronitrobenzene						
Phenanthrene						
Dinoseb						
Anthracene						
Carbazole						
Di-n-butyl phthalate						
Benidine						
Isodrin						
Fluoranthene						
Pyrene						
4-Dimethylaminoazobenzene						
Chlorobenzilate						
3,3'-Dimethylbenzidine						
Butyl benzyl phthalate						
2-Acetylaminofluorene						
3-Methylcholanthrene						
3,3'-Dichlorobenzidine						
bis(2-Ethylhexyl)phthalate						
Benzo(a)anthracene						
Chrysene						
Di-n-octyl phthalate						
7,12-Dimethylbenz(a)anthracene						
Benzo(b)fluoranthene						
Benzo(k)fluoranthene						
Benzo(a)pyrene						
Indeno(1,2,3-cd)pyrene						
Dibenz(a,h)anthracene						
Benzo(g,h,i)perylene						

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26368	26478	26473
<b>File I.D.</b>	ENG3123.D	VOID	ENG3164.D
<b>Date Sampled</b>	03/15/02	03/21/02	03/27/02
<b>Date Analyzed</b>	04/12/02		04/15/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	215.73		259.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND					ND	ND	
Pyridine	ND	ND					ND	ND	
Ethyl methanesulfonate	ND	ND					ND	ND	
2-Picoline	ND	ND					ND	ND	
N-Nitrosomethylethylamine	ND	ND					ND	ND	
Methyl methanesulfonate	ND	ND					ND	ND	
N-Nitrosodiethylamine	ND	ND					ND	ND	
Phenol	ND	ND					ND	ND	
Pentachloroethane	ND	ND					ND	ND	
bis (2-Chloroethyl)ether	ND	ND					ND	ND	
Aniline	ND	ND					ND	ND	
2-Chlorophenol	ND	ND					ND	ND	
1,3-Dichlorobenzene	ND	ND					ND	ND	
1,4-Dichlorobenzene	11.92	0.06	U				5.60	0.02	U
Benzyl alcohol	ND	ND					ND	ND	
2-Methylphenol	ND	ND					ND	ND	
1,2-Dichlorobenzene	ND	ND					ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND					ND	ND	
3&4-Methylphenol	ND	ND					ND	ND	
N-Nitrosopyrrolidine	ND	ND					ND	ND	
N-Nitrosodipropylamine	ND	ND					ND	ND	
o-Toluidine	ND	ND					ND	ND	
Hexachloroethane	ND	ND					ND	ND	
Acetophenone	ND	ND					ND	ND	
Nitrobenzene	ND	ND					ND	ND	
N-Nitrosopiperidine	ND	ND					ND	ND	
Isophorone	ND	ND					ND	ND	
2-Nitrophenol	ND	ND					ND	ND	
2,4-Dimethylphenol	ND	ND					ND	ND	
bis(2-Chloroethoxy)methane	ND	ND					ND	ND	
2,4-Dichlorophenol	ND	ND					ND	ND	
4-Chloroaniline	ND	ND					ND	ND	
1,2,4-Trichlorobenzene	ND	ND					ND	ND	
Naphthalene	56.54	0.26					30.35	0.12	
2,6-Dichlorophenol	ND	ND					ND	ND	
Hexachloropropene	ND	ND					ND	ND	
Hexachlorobutadiene	ND	ND					ND	ND	
N-Nitrosodibutylamine	ND	ND					ND	ND	
4-Chloro-3-methylphenol	ND	ND					ND	ND	
Safrole	ND	ND					ND	ND	
2-Methylnaphthalene	25.00	0.12					18.93	0.07	U
1,2,4,5-Tetrachlorobenzene	ND	ND					ND	ND	
2,4,6-Trichlorophenol	ND	ND					ND	ND	
Hexachlorocyclopentadiene	ND	ND					ND	ND	
2,4,5-Trichlorophenol	ND	ND					ND	ND	
2-Nitroaniline	ND	ND					ND	ND	
Isosafrole	ND	ND					ND	ND	
2-Chloronaphthalene	ND	ND					ND	ND	
1,4-Naphthoquinone	ND	ND					ND	ND	
Dimethyl phthalate	ND	ND					ND	ND	
1,3-Dinitrobenzene	ND	ND					ND	ND	
2,6-Dinitrotoluene	ND	ND					ND	ND	
3-Nitroaniline	ND	ND					ND	ND	
Acenaphthylene	ND	ND					ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26368		26478		26473
<b>File I.D.</b>	ENG3123.D		VOID		ENG3164.D
<b>Date Sampled</b>	03/15/02		03/21/02		03/27/02
<b>Date Analyzed</b>	04/12/02				04/15/02
	Actual Vol (m <sup>3</sup> )	215.73	Actual Vol (m <sup>3</sup> )		Actual Vol (m <sup>3</sup> )
					259.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND					ND	ND	
4-Nitrophenol	ND	ND					ND	ND	
Acenaphthene	2.09	0.01	U				1.15	0.004	U
2,4-Dinitrotoluene	ND	ND					ND	ND	
2-Naphthylamine	ND	ND					ND	ND	
Dibenzofuran	1.92	0.01	U				1.26	0.005	U
Pentachlorobenzene	ND	ND					ND	ND	
1-Naphthylamine	ND	ND					ND	ND	
Diethyl phthalate	ND	ND					ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND					ND	ND	
4-Nitroaniline	ND	ND					ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND					ND	ND	
Fluorene	1.81	0.01	U				1.11	0.004	U
5-Nitro-o-toluidine	ND	ND					ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND					ND	ND	
Diphenylamine	ND	ND					ND	ND	
Azobenzene	ND	ND					ND	ND	
Phenacetin	ND	ND					ND	ND	
Diallyl	ND	ND					ND	ND	
4-Bromophenyl phenyl ether	ND	ND					ND	ND	
4-Aminobiphenyl	ND	ND					ND	ND	
Hexachlorobenzene	ND	ND					ND	ND	
Pronamide	ND	ND					ND	ND	
Pentachlorophenol	ND	ND					ND	ND	
Pentachloronitrobenzene	ND	ND					ND	ND	
Phenanthrene	4.11	0.02	U				2.15	0.01	U
Dinoseb	ND	ND					ND	ND	
Anthracene	ND	ND					ND	ND	
Carbazole	ND	ND					ND	ND	
Di-n-butyl phthalate	11.17	0.05	U				22.31	0.09	
Benzidine	ND	ND					ND	ND	
Isodrin	ND	ND					ND	ND	
Fluoranthene	ND	ND					ND	ND	
Pyrene	ND	ND					ND	ND	
4-Dimethylaminoazobenzene	ND	ND					ND	ND	
Chlorobenzilate	ND	ND					ND	ND	
3,3'-Dimethylbenzidine	ND	ND					ND	ND	
Butyl benzyl phthalate	ND	ND					ND	ND	
2-Acetylaminofluorene	ND	ND					ND	ND	
3-Methylcholanthrene	ND	ND					ND	ND	
3,3'-Dichlorobenzidine	ND	ND					ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND					ND	ND	
Benzo(a)anthracene	ND	ND					ND	ND	
Chrysene	ND	ND					ND	ND	
Di-n-octyl phthalate	ND	ND					ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND					ND	ND	
Benzo(b)fluoranthene	ND	ND					ND	ND	
Benzo(k)fluoranthene	ND	ND					ND	ND	
Benzo(a)pyrene	ND	ND					ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND					ND	ND	
Dibenz(a,h)anthracene	ND	ND					ND	ND	
Benzo(g,h,i)perylene	ND	ND					ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26575	26693	26841
<b>File I.D.</b>	ENG3184	ENG3203	ENG3214
<b>Date Sampled</b>	04/02/02	04/08/02	04/14/02
<b>Date Analyzed</b>	05/30/02	05/31/02	05/31/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	275.3	255.0	262.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	22.40	0.09	27.33	0.10
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	17.04	0.07	21.82	0.08
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	101.87	0.37	182.87	0.72	177.25	0.68
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	63.74	0.23	57.36	0.22	55.39	0.21
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26575		26693		26841	
<b>File I.D.</b>	ENG3184		ENG3203		ENG3214	
<b>Date Sampled</b>	04/02/02		04/08/02		04/14/02	
<b>Date Analyzed</b>	05/30/02		05/31/02		05/31/02	
	Actual Vol (m <sup>3</sup> )	275.3	Actual Vol (m <sup>3</sup> )	255.0	Actual Vol (m <sup>3</sup> )	262.0
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	4.63	0.02 U	4.59	0.02 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	5.60	0.02 U	5.65	0.02 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	5.90	0.02 U	4.01	0.02 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	9.12	0.04 U	7.43	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	76.37	0.28	116.17	0.46	51.81	0.20
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	2.22	0.01 U
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

Sample I.D.	26998	27079
File I.D.	ENG3222	ENG3231
Date Sampled	04/20/02	04/26/02
Date Analyzed	05/31/02	06/04/02
Actual Vol (m <sup>3</sup> )	242.7	283.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND
Phenol	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND
Aniline	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	13.73	0.06	18.60	0.07
Benzyl alcohol	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	34.89	0.14	93.21	0.33
2,6-Dichlorophenol	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
Safrole	ND	ND	ND	ND
2-Methylnaphthalene	21.04	0.09	41.56	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2002 Final Data Report

Sample I.D.	26998	27079
File I.D.	ENG3222	ENG3231
Date Sampled	04/20/02	04/26/02
Date Analyzed	05/31/02	06/04/02
Actual Vol (m <sup>3</sup> )	242.7	283.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	
Acenaphthene	ND	ND	6.13	0.02	U
2,4-Dinitrotoluene	ND	ND	ND	ND	
2-Naphthylamine	ND	ND	ND	ND	
Dibenzofuran	1.03	0.004 U	5.22	0.02	U
Pentachlorobenzene	ND	ND	ND	ND	
1-Naphthylamine	ND	ND	ND	ND	
Diethyl phthalate	ND	ND	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	
4-Nitroaniline	ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	
Fluorene	0.94	0.004 U	4.62	0.02	U
5-Nitro-o-toluidine	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	
Diphenylamine	ND	ND	ND	ND	
Azobenzene	ND	ND	ND	ND	
Phenacetin	ND	ND	ND	ND	
Diallyl	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND	
Hexachlorobenzene	ND	ND	ND	ND	
Pronamide	ND	ND	ND	ND	
Pentachlorophenol	ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND	
Phenanthrene	2.64	0.01 U	7.29	0.03	U
Dinoseb	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	
Carbazole	ND	ND	ND	ND	
Di-n-butyl phthalate	14.49	0.06 U	ND	ND	
Benzidine	ND	ND	ND	ND	
Isodrin	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND	
Chlorobenzilate	ND	ND	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND	
Chrysene	ND	ND	ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25051	25292	25543
<b>File I.D.</b>	ENG2844.D	ENG2894.D	VOID
<b>Date Sampled</b>	01/08/02	01/20/02	02/01/02
<b>Date Analyzed</b>	02/03/02	02/27/02	
	Actual Vol (m <sup>3</sup> )	249.9	Actual Vol (m <sup>3</sup> ) 223.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND		
Pyridine	ND	ND	ND	ND		
Ethyl methanesulfonate	ND	ND	ND	ND		
2-Picoline	ND	ND	ND	ND		
N-Nitrosomethylethylamine	ND	ND	ND	ND		
Methyl methanesulfonate	ND	ND	ND	ND		
N-Nitrosodiethylamine	ND	ND	ND	ND		
Phenol	ND	ND	ND	ND		
Pentachloroethane	ND	ND	ND	ND		
bis (2-Chloroethyl)ether	ND	ND	ND	ND		
Aniline	ND	ND	ND	ND		
2-Chlorophenol	ND	ND	ND	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND		
1,4-Dichlorobenzene	12.65	0.05	12.36	0.06	U	
Benzyl alcohol	ND	ND	ND	ND		
2-Methylphenol	ND	ND	ND	ND		
1,2-Dichlorobenzene	ND	ND	ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		
3&4-Methylphenol	ND	ND	ND	ND		
N-Nitrosopyrrolidine	ND	ND	ND	ND		
N-Nitrosodipropylamine	ND	ND	ND	ND		
o-Toluidine	ND	ND	ND	ND		
Hexachloroethane	ND	ND	ND	ND		
Acetophenone	ND	ND	ND	ND		
Nitrobenzene	ND	ND	ND	ND		
N-Nitrosopiperidine	ND	ND	ND	ND		
Isophorone	ND	ND	ND	ND		
2-Nitrophenol	ND	ND	ND	ND		
2,4-Dimethylphenol	ND	ND	ND	ND		
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		
2,4-Dichlorophenol	ND	ND	ND	ND		
4-Chloroaniline	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND		
Naphthalene	51.50	0.21	32.15	0.14		
2,6-Dichlorophenol	ND	ND	ND	ND		
Hexachloropropene	ND	ND	ND	ND		
Hexachlorobutadiene	ND	ND	ND	ND		
N-Nitrosodibutylamine	ND	ND	ND	ND		
4-Chloro-3-methylphenol	ND	ND	ND	ND		
Safrole	ND	ND	ND	ND		
2-Methylnaphthalene	21.79	0.09	15.91	0.07	U	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		
2,4,6-Trichlorophenol	ND	ND	ND	ND		
Hexachlorocyclopentadiene	ND	ND	ND	ND		
2,4,5-Trichlorophenol	ND	ND	ND	ND		
2-Nitroaniline	ND	ND	ND	ND		
Isosafrole	ND	ND	ND	ND		
2-Chloronaphthalene	ND	ND	ND	ND		
1,4-Naphthoquinone	ND	ND	ND	ND		
Dimethyl phthalate	ND	ND	ND	ND		
1,3-Dinitrobenzene	ND	ND	ND	ND		
2,6-Dinitrotoluene	ND	ND	ND	ND		
3-Nitroaniline	ND	ND	ND	ND		
Acenaphthylene	ND	ND	ND	ND		

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25051		25292		25543
<b>File I.D.</b>	ENG2844.D		ENG2894.D		VOID
<b>Date Sampled</b>	01/08/02		01/20/02		02/01/02
<b>Date Analyzed</b>	02/03/02		02/27/02		
	Actual Vol (m <sup>3</sup> )	249.9	Actual Vol (m <sup>3</sup> )	223.9	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	0.78	0.003	U	0.24	0.001	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	1.42	0.01	U	0.95	0.004	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	0.99	0.004	U	0.67	0.003	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallyl	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	2.68	0.01	U	1.72	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25714	26012 - Field Blank	26013
<b>File I.D.</b>	ENG2944.D	ENG3077.D	VOID
<b>Date Sampled</b>	02/13/02	02/25/02	02/25/02
<b>Date Analyzed</b>	03/01/02	04/10/02	
	Actual Vol (m <sup>3</sup> )	234.6	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		
Pyridine	ND	ND		ND	ND		
Ethyl methanesulfonate	ND	ND		ND	ND		
2-Picoline	ND	ND		ND	ND		
N-Nitrosomethylethylamine	ND	ND		ND	ND		
Methyl methanesulfonate	ND	ND		ND	ND		
N-Nitrosodiethylamine	ND	ND		ND	ND		
Phenol	ND	ND		ND	ND		
Pentachloroethane	ND	ND		ND	ND		
bis (2-Chloroethyl)ether	ND	ND		ND	ND		
Aniline	ND	ND		ND	ND		
2-Chlorophenol	ND	ND		ND	ND		
1,3-Dichlorobenzene	ND	ND		ND	ND		
1,4-Dichlorobenzene	11.92	0.05	U	ND	ND		
Benzyl alcohol	ND	ND		ND	ND		
2-Methylphenol	ND	ND		ND	ND		
1,2-Dichlorobenzene	ND	ND		ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		
3&4-Methylphenol	ND	ND		ND	ND		
N-Nitrosopyrrolidine	ND	ND		ND	ND		
N-Nitrosodipropylamine	ND	ND		ND	ND		
o-Toluidine	ND	ND		ND	ND		
Hexachloroethane	ND	ND		ND	ND		
Acetophenone	ND	ND		ND	ND		
Nitrobenzene	ND	ND		ND	ND		
N-Nitrosopiperidine	ND	ND		ND	ND		
Isophorone	ND	ND		ND	ND		
2-Nitrophenol	ND	ND		ND	ND		
2,4-Dimethylphenol	ND	ND		ND	ND		
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		
2,4-Dichlorophenol	ND	ND		ND	ND		
4-Chloroaniline	ND	ND		ND	ND		
1,2,4-Trichlorobenzene	ND	ND		ND	ND		
Naphthalene	39.76	0.17		ND	ND		
2,6-Dichlorophenol	ND	ND		ND	ND		
Hexachloropropene	ND	ND		ND	ND		
Hexachlorobutadiene	ND	ND		ND	ND		
N-Nitrosodibutylamine	ND	ND		ND	ND		
4-Chloro-3-methylphenol	ND	ND		ND	ND		
Safrole	ND	ND		ND	ND		
2-Methylnaphthalene	23.53	0.10		ND	ND		
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		
2,4,6-Trichlorophenol	ND	ND		ND	ND		
Hexachlorocyclopentadiene	ND	ND		ND	ND		
2,4,5-Trichlorophenol	ND	ND		ND	ND		
2-Nitroaniline	ND	ND		ND	ND		
Isosafrole	ND	ND		ND	ND		
2-Chloronaphthalene	ND	ND		ND	ND		
1,4-Naphthoquinone	ND	ND		ND	ND		
Dimethyl phthalate	ND	ND		ND	ND		
1,3-Dinitrobenzene	ND	ND		ND	ND		
2,6-Dinitrotoluene	ND	ND		ND	ND		
3-Nitroaniline	ND	ND		ND	ND		
Acenaphthylene	ND	ND		ND	ND		

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25714	26012 - Field Blank	26013
<b>File I.D.</b>	ENG2944.D	ENG3077.D	VOID
<b>Date Sampled</b>	02/13/02	02/25/02	02/25/02
<b>Date Analyzed</b>	03/01/02	04/10/02	
	Actual Vol (m <sup>3</sup> )	234.6	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND		
4-Nitrophenol	ND	ND		ND	ND		
Acenaphthene	0.32	0.001	U	ND	ND		
2,4-Dinitrotoluene	ND	ND		ND	ND		
2-Naphthylamine	ND	ND		ND	ND		
Dibenzofuran	ND	ND		ND	ND		
Pentachlorobenzene	ND	ND		ND	ND		
1-Naphthylamine	ND	ND		ND	ND		
Diethyl phthalate	ND	ND		ND	ND		
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		
4-Nitroaniline	ND	ND		ND	ND		
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		
Fluorene	0.37	0.002	U	ND	ND		
5-Nitro-o-toluidine	ND	ND		ND	ND		
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		
Diphenylamine	ND	ND		ND	ND		
Azobenzene	ND	ND		ND	ND		
Phenacetin	ND	ND		ND	ND		
Diallyl	ND	ND		ND	ND		
4-Bromophenyl phenyl ether	ND	ND		ND	ND		
4-Aminobiphenyl	ND	ND		ND	ND		
Hexachlorobenzene	ND	ND		ND	ND		
Pronamide	ND	ND		ND	ND		
Pentachlorophenol	ND	ND		ND	ND		
Pentachloronitrobenzene	ND	ND		ND	ND		
Phenanthrene	ND	ND		ND	ND		
Dinoseb	ND	ND		ND	ND		
Anthracene	ND	ND		ND	ND		
Carbazole	ND	ND		ND	ND		
Di-n-butyl phthalate	ND	ND		ND	ND		
Benzidine	ND	ND		ND	ND		
Isodrin	ND	ND		ND	ND		
Fluoranthene	ND	ND		ND	ND		
Pyrene	ND	ND		ND	ND		
4-Dimethylaminoazobenzene	ND	ND		ND	ND		
Chlorobenzilate	ND	ND		ND	ND		
3,3'-Dimethylbenzidine	ND	ND		ND	ND		
Butyl benzyl phthalate	ND	ND		ND	ND		
2-Acetylaminofluorene	ND	ND		ND	ND		
3-Methylcholanthrene	ND	ND		ND	ND		
3,3'-Dichlorobenzidine	ND	ND		ND	ND		
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		
Benzo(a)anthracene	ND	ND		ND	ND		
Chrysene	ND	ND		ND	ND		
Di-n-octyl phthalate	ND	ND		ND	ND		
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		
Benzo(b)fluoranthene	ND	ND		ND	ND		
Benzo(k)fluoranthene	ND	ND		ND	ND		
Benzo(a)pyrene	ND	ND		ND	ND		
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		
Dibenz(a,h)anthracene	ND	ND		ND	ND		
Benzo(g,h,i)perylene	ND	ND		ND	ND		

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26243	26479	26578
<b>File I.D.</b>	VOID	ENG3144.D	ENG3187
<b>Date Sampled</b>	03/09/02	03/21/02	04/02/02
<b>Date Analyzed</b>		04/13/02	05/30/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		235.3	249.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine			ND	ND	ND	ND
Pyridine			ND	ND	ND	ND
Ethyl methanesulfonate			ND	ND	ND	ND
2-Picoline			ND	ND	ND	ND
N-Nitrosomethylethylamine			ND	ND	ND	ND
Methyl methanesulfonate			ND	ND	ND	ND
N-Nitrosodiethylamine			ND	ND	ND	ND
Phenol			ND	ND	10.96	0.04 U
Pentachloroethane			ND	ND	ND	ND
bis (2-Chloroethyl)ether			ND	ND	ND	ND
Aniline			ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND
1,4-Dichlorobenzene			5.42	0.10 U	23.53	0.09
Benzyl alcohol			ND	ND	ND	ND
2-Methylphenol			ND	ND	ND	ND
1,2-Dichlorobenzene			ND	ND	ND	ND
bis(2-Chloroisopropyl)ether			ND	ND	ND	ND
3&4-Methylphenol			ND	ND	ND	ND
N-Nitrosopyrrolidine			ND	ND	ND	ND
N-Nitrosodipropylamine			ND	ND	ND	ND
o-Toluidine			ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND
Acetophenone			ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND
N-Nitrosopiperidine			ND	ND	ND	ND
Isophorone			ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND
bis(2-Chloroethoxy)methane			ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND
4-Chloroaniline			ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	ND
Naphthalene			12.54	0.26	75.72	0.30
2,6-Dichlorophenol			ND	ND	ND	ND
Hexachloropropene			ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND
N-Nitrosodibutylamine			ND	ND	ND	ND
4-Chloro-3-methylphenol			ND	ND	ND	ND
Safrole			ND	ND	ND	ND
2-Methylnaphthalene			7.07	0.12 U	45.36	0.18
1,2,4,5-Tetrachlorobenzene			ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND
2,4,5-Trichlorophenol			ND	ND	ND	ND
2-Nitroaniline			ND	ND	ND	ND
Isosafrole			ND	ND	ND	ND
2-Chloronaphthalene			ND	ND	ND	ND
1,4-Naphthoquinone			ND	ND	ND	ND
Dimethyl phthalate			ND	ND	ND	ND
1,3-Dinitrobenzene			ND	ND	ND	ND
2,6-Dinitrotoluene			ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND
Acenaphthylene			ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26243	26479	26578
<b>File I.D.</b>	VOID	ENG3144.D	ENG3187
<b>Date Sampled</b>	03/09/02	03/21/02	04/02/02
<b>Date Analyzed</b>		04/13/02	05/30/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		235.3	249.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol			ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND
Acenaphthene			ND	0.003	0.53	0.002 U
2,4-Dinitrotoluene			ND	ND	ND	ND
2-Naphthylamine			ND	ND	ND	ND
Dibenzofuran			ND	0.004	ND	ND
Pentachlorobenzene			ND	ND	ND	ND
1-Naphthylamine			ND	ND	ND	ND
Diethyl phthalate			ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol			ND	ND	ND	ND
4-Nitroaniline			ND	ND	ND	ND
4-Chlorophenyl-phenyl ether			ND	ND	ND	ND
Fluorene			ND	0.004	ND	ND
5-Nitro-o-toluidine			ND	ND	ND	ND
4,6-Dinitro-2-methylphenol			ND	ND	ND	ND
Diphenylamine			ND	ND	ND	ND
Azobenzene			ND	ND	ND	ND
Phenacetin			ND	ND	ND	ND
Diallate			ND	ND	ND	ND
4-Bromophenyl phenyl ether			ND	ND	ND	ND
4-Aminobiphenyl			ND	ND	ND	ND
Hexachlorobenzene			ND	ND	ND	ND
Pronamide			ND	ND	ND	ND
Pentachlorophenol			ND	ND	ND	ND
Pentachloronitrobenzene			ND	ND	ND	ND
Phenanthrene			0.58	0.01 U	2.47	0.01 U
Dinoseb			ND	ND	ND	ND
Anthracene			ND	ND	ND	ND
Carbazole			ND	ND	ND	ND
Di-n-butyl phthalate			ND	ND	ND	ND
Benidine			ND	ND	ND	ND
Isodrin			ND	ND	ND	ND
Fluoranthene			ND	ND	ND	ND
Pyrene			ND	ND	ND	ND
4-Dimethylaminoazobenzene			ND	ND	ND	ND
Chlorobenzilate			ND	ND	ND	ND
3,3'-Dimethylbenzidine			ND	ND	ND	ND
Butyl benzyl phthalate			ND	ND	ND	ND
2-Acetylaminofluorene			ND	ND	ND	ND
3-Methylcholanthrene			ND	ND	ND	ND
3,3'-Dichlorobenzidine			ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate			ND	ND	ND	ND
Benzo(a)anthracene			ND	ND	ND	ND
Chrysene			ND	ND	ND	ND
Di-n-octyl phthalate			ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene			ND	ND	ND	ND
Benzo(b)fluoranthene			ND	ND	ND	ND
Benzo(k)fluoranthene			ND	ND	ND	ND
Benzo(a)pyrene			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene			ND	ND	ND	ND
Dibenz(a,h)anthracene			ND	ND	ND	ND
Benzo(g,h,i)perylene			ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

**Sample I.D.** 26836  
**File I.D.** ENG3209  
**Date Sampled** 04/14/02  
**Date Analyzed** 05/31/02  
 Actual Vol (m<sup>3</sup>) 243.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND
Pyridine	ND	ND
Ethyl methanesulfonate	ND	ND
2-Picoline	ND	ND
N-Nitrosomethylethylamine	ND	ND
Methyl methanesulfonate	ND	ND
N-Nitrosodiethylamine	ND	ND
Phenol	15.81	0.06
Pentachloroethane	ND	ND
bis (2-Chloroethyl)ether	ND	ND
Aniline	ND	ND
2-Chlorophenol	ND	ND
1,3-Dichlorobenzene	ND	ND
1,4-Dichlorobenzene	33.15	0.14
Benzyl alcohol	ND	ND
2-Methylphenol	ND	ND
1,2-Dichlorobenzene	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND
3&4-Methylphenol	ND	ND
N-Nitrosopyrrolidine	ND	ND
N-Nitrosodipropylamine	ND	ND
o-Toluidine	ND	ND
Hexachloroethane	ND	ND
Acetophenone	ND	ND
Nitrobenzene	ND	ND
N-Nitrosopiperidine	ND	ND
Isophorone	ND	ND
2-Nitrophenol	ND	ND
2,4-Dimethylphenol	ND	ND
bis(2-Chloroethoxy)methane	ND	ND
2,4-Dichlorophenol	ND	ND
4-Chloroaniline	ND	ND
1,2,4-Trichlorobenzene	ND	ND
Naphthalene	68.62	0.28
2,6-Dichlorophenol	ND	ND
Hexachloropropene	ND	ND
Hexachlorobutadiene	ND	ND
N-Nitrosodibutylamine	ND	ND
4-Chloro-3-methylphenol	ND	ND
Safrole	ND	ND
2-Methylnaphthalene	36.70	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND
2,4,6-Trichlorophenol	ND	ND
Hexachlorocyclopentadiene	ND	ND
2,4,5-Trichlorophenol	ND	ND
2-Nitroaniline	ND	ND
Isosafrole	ND	ND
2-Chloronaphthalene	ND	ND
1,4-Naphthoquinone	ND	ND
Dimethyl phthalate	ND	ND
1,3-Dinitrobenzene	ND	ND
2,6-Dinitrotoluene	ND	ND
3-Nitroaniline	ND	ND
Acenaphthylene	ND	ND

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2002 Final Data Report

**Sample I.D.** 26836  
**File I.D.** ENG3209  
**Date Sampled** 04/14/02  
**Date Analyzed** 05/31/02  
 Actual Vol (m<sup>3</sup>) 243.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	ND	ND	
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	1.23	0.005	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	ND	ND	
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallate	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	2.79	0.01	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	ND	ND	
Benzidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	24966		25030		25190	
File I.D.	ENG2812.D		ENG2817.D		ENG2877.D	
Date Sampled	01/02/02		01/08/02		01/14/02	
Date Analyzed	01/18/02		01/18/02		02/26/02	
	Actual Vol (m³)	179.9	Actual Vol (m³)	201.2	Actual Vol (m³)	193.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	15.03	0.07	U	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	11.39	0.06	8.97	0.04	U	21.06
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	32.78	0.18	32.13	0.16	48.20	0.25
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	17.81	0.10	19.01	0.09	29.70	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.87	0.005	U	0.64	0.003	U

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	24966			25030			25190		
File I.D.	ENG2812.D			ENG2817.D			ENG2877.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			01/18/02			02/26/02		
	Actual Vol (m³)	179.9		Actual Vol (m³)	201.2		Actual Vol (m³)	193.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.55	0.003	U	0.57	0.003	U	1.37	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.86	0.005	U	0.93	0.005	U	1.53	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	118.39	0.66		28.10	0.14		48.73	0.25	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.89	0.005	U	1.17	0.01	U	1.62	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.11	0.01	U	2.29	0.01	U	3.45	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	25332		25458		25610	
File I.D.	ENG2883.D		ENG2903.D		ENG2919.D	
Date Sampled	01/20/02		01/26/02		02/01/02	
Date Analyzed	02/26/02		02/27/02		02/28/02	
	Actual Vol (m³)	137.9	Actual Vol (m³)	187.4	Actual Vol (m³)	189.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	10.61	0.08	U	18.10	0.10		53.50	0.28	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	26.03	0.19		71.24	0.38		74.37	0.39	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	9.86	0.07	U	34.91	0.19		46.29	0.24	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		2.07	0.01	U	2.06	0.01	U

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	25332		25458		25610	
File I.D.	ENG2883.D		ENG2903.D		ENG2919.D	
Date Sampled	01/20/02		01/26/02		02/01/02	
Date Analyzed	02/26/02		02/27/02		02/28/02	
	Actual Vol (m³)	137.9	Actual Vol (m³)	187.4	Actual Vol (m³)	189.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	2.41	0.01 U	2.41	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	2.44	0.01 U	2.47	0.01 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	43.42	0.23
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	0.75	0.01 U	2.39	0.01 U	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	1.63	0.01 U	3.99	0.02 U	6.02	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzydine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25709	25891	25892
<b>File I.D.</b>	ENG2929.D	ENG3043.D	VOID
<b>Date Sampled</b>	02/07/02	02/13/02	02/19/02
<b>Date Analyzed</b>	02/28/02	03/28/02	
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	225.0	189.2	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND		
Pyridine	ND	ND	ND	ND		
Ethyl methanesulfonate	ND	ND	ND	ND		
2-Picoline	ND	ND	ND	ND		
N-Nitrosomethylethylamine	ND	ND	ND	ND		
Methyl methanesulfonate	ND	ND	ND	ND		
N-Nitrosodiethylamine	ND	ND	ND	ND		
Phenol	31.87	0.14	ND	ND		
Pentachloroethane	ND	ND	ND	ND		
bis (2-Chloroethyl)ether	ND	ND	ND	ND		
Aniline	ND	ND	ND	ND		
2-Chlorophenol	ND	ND	ND	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND		
1,4-Dichlorobenzene	31.96	0.14	9.71	0.05		U
Benzyl alcohol	ND	ND	ND	ND		
2-Methylphenol	ND	ND	ND	ND		
1,2-Dichlorobenzene	ND	ND	ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		
3&4-Methylphenol	6.87	0.03	ND	ND		
N-Nitrosopyrrolidine	ND	ND	ND	ND		
N-Nitrosodipropylamine	ND	ND	ND	ND		
o-Toluidine	ND	ND	ND	ND		
Hexachloroethane	ND	ND	ND	ND		
Acetophenone	ND	ND	ND	ND		
Nitrobenzene	ND	ND	ND	ND		
N-Nitrosopiperidine	ND	ND	ND	ND		
Isophorone	ND	ND	ND	ND		
2-Nitrophenol	ND	ND	ND	ND		
2,4-Dimethylphenol	ND	ND	ND	ND		
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		
2,4-Dichlorophenol	ND	ND	ND	ND		
4-Chloroaniline	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND		
Naphthalene	100.07	0.44	22.62	0.12		
2,6-Dichlorophenol	ND	ND	ND	ND		
Hexachloropropene	ND	ND	ND	ND		
Hexachlorobutadiene	ND	ND	ND	ND		
N-Nitrosodibutylamine	ND	ND	ND	ND		
4-Chloro-3-methylphenol	ND	ND	ND	ND		
Safrole	ND	ND	ND	ND		
2-Methylnaphthalene	52.40	0.23	12.16	0.06		U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		
2,4,6-Trichlorophenol	ND	ND	ND	ND		
Hexachlorocyclopentadiene	ND	ND	ND	ND		
2,4,5-Trichlorophenol	ND	ND	ND	ND		
2-Nitroaniline	ND	ND	ND	ND		
Isosafrole	ND	ND	ND	ND		
2-Chloronaphthalene	ND	ND	ND	ND		
1,4-Naphthoquinone	ND	ND	ND	ND		
Dimethyl phthalate	ND	ND	ND	ND		
1,3-Dinitrobenzene	ND	ND	ND	ND		
2,6-Dinitrotoluene	ND	ND	ND	ND		
3-Nitroaniline	ND	ND	ND	ND		
Acenaphthylene	3.70	0.02	ND	ND		

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	25709	25891	25892
File I.D.	ENG2929.D	ENG3043.D	VOID
Date Sampled	02/07/02	02/13/02	02/19/02
Date Analyzed	02/28/02	03/28/02	
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	225.0	189.2	

Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	2.08	0.01	U	0.40	0.002	U		
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	3.68	0.02	U	0.66	0.003	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	69.86	0.31		23.01	0.12			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	3.47	0.02	U	0.54	0.003	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallate	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	6.91	0.03	U	1.13	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	0.90	0.004	U	ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	26059		26208		26292	
File I.D.	ENG3054.D		ENG3082.D		ENG3104.D	
Date Sampled	02/25/02		03/03/02		03/09/02	
Date Analyzed	03/29/02		04/10/02		04/11/02	
	Actual Vol (m³)	175.5	Actual Vol (m³)	188.4	Actual Vol (m³)	188.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	15.00	0.09	U	4.97	0.03	U	62.83	0.33	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	45.89	0.26		12.42	0.07		40.30	0.21	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	25.02	0.14		8.11	0.04	U	17.25	0.09	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	0.67	0.004	U	ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	26059		26208		26292	
File I.D.	ENG3054.D		ENG3082.D		ENG3104.D	
Date Sampled	02/25/02		03/03/02		03/09/02	
Date Analyzed	03/29/02		04/10/02		04/11/02	
	Actual Vol (m³)	175.5	Actual Vol (m³)	188.4	Actual Vol (m³)	188.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.28	0.01	U	1.49	0.01	U	2.17	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.64	0.01	U	1.21	0.01	U	2.16	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	6.28	0.04	U	9.56	0.05	U	7.18	0.04	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.71	0.01	U	1.29	0.01	U	1.94	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.74	0.02	U	2.17	0.01	U	3.14	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		0.68	0.004	U
Pyrene	ND	ND		ND	ND		0.42	0.002	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	26349		26437		26538	
File I.D.	ENG3119.D		ENG3129.D		ENG3159.D	
Date Sampled	03/15/02		03/21/02		03/27/02	
Date Analyzed	04/12/02		04/12/02		04/15/02	
	Actual Vol (m³)	177.5	Actual Vol (m³)	165.8	Actual Vol (m³)	177.1

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	17.43	0.10	ND	ND		ND	ND	
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	53.38	0.30	6.94	0.04	U	10.77	0.06	U
Benzyl alcohol	ND	ND	ND	ND		ND	ND	
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	ND	ND	ND	ND		ND	ND	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	72.45	0.41	14.11	0.09		13.08	0.07	
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	34.04	0.19	6.88	0.04	U	6.81	0.04	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	1.63	0.01	U	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	26349			26437			26538		
File I.D.	ENG3119.D			ENG3129.D			ENG3159.D		
Date Sampled	03/15/02			03/21/02			03/27/02		
Date Analyzed	04/12/02			04/12/02			04/15/02		
	Actual Vol (m³)	177.5		Actual Vol (m³)	165.8		Actual Vol (m³)	177.1	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.55	0.01	U	1.28	0.01	U	ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.17	0.01	U	0.61	0.004	U	0.89	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		10.32	0.06	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.45	0.01	U	0.63	0.004	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.28	0.02	U	1.25	0.01	U	1.32	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.10	0.01	U	ND	ND		ND	ND	
Pyrene	0.48	0.003	U	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	26591		26722		26910	
<b>File I.D.</b>	ENG3194		ENG3206		ENG3218	
<b>Date Sampled</b>	04/02/02		04/08/02		04/14/02	
<b>Date Analyzed</b>	05/30/02		05/31/02		05/31/02	
	Actual Vol (m <sup>3</sup> )	195.1	Actual Vol (m <sup>3</sup> )	177.5	Actual Vol (m <sup>3</sup> )	179.9
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	30.57	0.16	11.85	0.07	U	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	8.78	0.05	U	25.41
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	39.66	0.20	41.18	0.23	37.81	0.21
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	23.77	0.12	28.82	0.16	16.84	0.09
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	26591		26722		26910	
File I.D.	ENG3194		ENG3206		ENG3218	
Date Sampled	04/02/02		04/08/02		04/14/02	
Date Analyzed	05/30/02		05/31/02		05/31/02	
	Actual Vol (m³)	195.1	Actual Vol (m³)	177.5	Actual Vol (m³)	179.9
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	1.69	0.009 U	2.23	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	2.39	0.01 U	3.52	0.02 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	1.31	0.007 U	2.55	0.01 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	4.04	0.02 U	5.09	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	27042			27301			27396
<b>File I.D.</b>	ENG3230			ENG3233			ENG3247
<b>Date Sampled</b>	04/20/02			04/26/02			05/02/02
<b>Date Analyzed</b>	06/04/02			06/04/02			06/05/02
	Actual Vol (m <sup>3</sup> )	163.6		Actual Vol (m <sup>3</sup> )	163.8		Actual Vol (m <sup>3</sup> )
							158.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND	ND	ND
Pyridine	ND	ND		ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND	ND	ND
2-Picoline	ND	ND		ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND	ND	ND
Methyl methanesulfonate	ND	ND		ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND	ND	ND
Phenol	11.86	0.07	U	ND	ND	12.85	0.08
Pentachloroethane	ND	ND		ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND	ND	ND
Aniline	ND	ND		ND	ND	ND	ND
2-Chlorophenol	ND	ND		ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND	ND	ND
1,4-Dichlorobenzene	51.01	0.31		32.17	0.20	40.48	0.26
Benzyl alcohol	ND	ND		ND	ND	ND	ND
2-Methylphenol	ND	ND		ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	ND	ND
3&4-Methylphenol	ND	ND		ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND	ND	ND
o-Toluidine	ND	ND		ND	ND	ND	ND
Hexachloroethane	ND	ND		ND	ND	ND	ND
Acetophenone	ND	ND		ND	ND	ND	ND
Nitrobenzene	ND	ND		ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND	ND	ND
Isophorone	ND	ND		ND	ND	ND	ND
2-Nitrophenol	ND	ND		ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND	ND	ND
4-Chloroaniline	ND	ND		ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND	ND	ND
Naphthalene	65.27	0.40		39.21	0.24	42.80	0.27
2,6-Dichlorophenol	ND	ND		ND	ND	ND	ND
Hexachloropropene	ND	ND		ND	ND	ND	ND
Hexachlorobutadiene	ND	ND		ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND	ND	ND
Safrole	ND	ND		ND	ND	ND	ND
2-Methylnaphthalene	24.29	0.15		19.23	0.12	19.89	0.13
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND	ND	ND
2-Nitroaniline	ND	ND		ND	ND	ND	ND
Isosafrole	ND	ND		ND	ND	ND	ND
2-Chloronaphthalene	ND	ND		ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND	ND	ND
Dimethyl phthalate	ND	ND		ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND	ND	ND
3-Nitroaniline	ND	ND		ND	ND	ND	ND
Acenaphthylene	ND	ND		ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	27042			27301			27396		
File I.D.	ENG3230			ENG3233			ENG3247		
Date Sampled	04/20/02			04/26/02			05/02/02		
Date Analyzed	06/04/02			06/04/02			06/05/02		
	Actual Vol (m³)	163.6		Actual Vol (m3)	163.8		Actual Vol (m³)	158.7	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m3		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.83	0.02	U	ND	ND		1.99	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	3.92	0.02	U	1.69	0.01	U	3.15	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	150.86	0.92		114.55	0.70		55.33	0.35	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.84	0.02	U	ND	ND		2.72	0.02	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.75	0.04	U	2.02	0.01	U	5.14	0.03	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		12.69	0.08	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	27470	27528
File I.D.	ENG3245	ENG3264
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/29/02
Actual Vol (m <sup>3</sup> )	165.1	Actual Vol (m <sup>3</sup> ) 140.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND
Phenol	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND
Aniline	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	4.91	0.03 U	6.79	0.05 U
Benzyl alcohol	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	10.16	0.06 U	15.59	0.11
2,6-Dichlorophenol	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
Safrole	ND	ND	ND	ND
2-Methylnaphthalene	5.45	0.03 U	8.29	0.06 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Elizabeth, NJ (ELNJ)

## 2002 Final Data Report

Sample I.D.	27470		27528	
File I.D.	ENG3245		ENG3264	
Date Sampled	05/08/02		05/14/02	
Date Analyzed	06/05/02		06/29/02	
	Actual Vol (m <sup>3</sup> )	165.1	Actual Vol (m <sup>3</sup> )	140.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND	
Acenaphthene	1.41	0.009	U	1.56	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND	
Dibenzofuran	ND	ND		ND	ND	
Pentachlorobenzene	ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND	
Diethyl phthalate	ND	ND		62.65	0.45	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	
Fluorene	1.34	0.008	U	1.38	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND	
Diallate	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND	
Phenanthrene	1.67	0.01	U	2.09	0.01	U
Dinoseb	ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND	
Di-n-butyl phthalate	7.75	0.05	U	ND	ND	
Benzidine	ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	24955		25047		25187	
<b>File I.D.</b>	ENG2808.D		ENG2840.D		ENG2873.D	
<b>Date Sampled</b>	01/02/02		01/08/02		01/14/02	
<b>Date Analyzed</b>	01/18/02		02/03/02		02/26/02	
	Actual Vol (m <sup>3</sup> )	259.5	Actual Vol (m <sup>3</sup> )	209.2	Actual Vol (m <sup>3</sup> )	251.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	15.51	0.06	U	ND	ND		24.20	0.10
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	13.88	0.05		5.80	0.03	U	34.08	0.14
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	2.36	0.01	U	ND	ND		5.67	0.02
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	78.53	0.30		47.57	0.23		135.67	0.54
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	37.87	0.15		22.90	0.11		68.11	0.27
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	1.14	0.004	U	ND	ND		3.01	0.01

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	24955		25047		25187	
File I.D.	ENG2808.D		ENG2840.D		ENG2873.D	
Date Sampled	01/02/02		01/08/02		01/14/02	
Date Analyzed	01/18/02		02/03/02		02/26/02	
	Actual Vol (m³)	259.5	Actual Vol (m³)	209.2	Actual Vol (m³)	251.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	0.53	0.002	U	0.55	0.003	U	1.31	0.01
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	1.19	0.005	U	1.25	0.01	U	2.43	0.01
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	1.26	0.005	U	ND	ND		2.24	0.01
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyl	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	3.45	0.01	U	3.18	0.02	U	5.48	0.02
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		ND	ND		ND	ND
Carbazole	ND	ND		ND	ND		ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND
Benzidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	0.96	0.004	U	ND	ND		1.32	0.01
Pyrene	ND	ND		ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25293	25418	25540 - Field Blank
<b>File I.D.</b>	ENG2895.D	ENG2900.D	ERG2909.D
<b>Date Sampled</b>	01/20/02	01/26/02	02/01/02
<b>Date Analyzed</b>	02/27/02	02/27/02	02/27/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	275.8	255.3	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	ND	ND		ND	ND		ND	ND
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	10.69	0.04	U	8.09	0.03	U	ND	ND
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	51.22	0.19		51.78	0.20		ND	ND
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	26.43	0.10		24.16	0.09		ND	ND
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	0.53	0.002	U	ND	ND		ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25293	25418	25540 - Field Blank
<b>File I.D.</b>	ENG2895.D	ENG2900.D	ERG2909.D
<b>Date Sampled</b>	01/20/02	01/26/02	02/01/02
<b>Date Analyzed</b>	02/27/02	02/27/02	02/27/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	275.8	255.3	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	0.51	0.002	U	0.34	0.001	U	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	1.51	0.01	U	1.36	0.01	U	ND	ND
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	1.19	0.004	U	1.07	0.004	U	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyate	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	3.39	0.01	U	3.00	0.01	U	ND	ND
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		ND	ND		ND	ND
Carbazole	ND	ND		ND	ND		ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND
Benzidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	ND	ND		ND	ND		ND	ND
Pyrene	ND	ND		ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	25541		25662		25716	
File I.D.	ERG2910.D		ENG2925.D		ENG2946.D	
Date Sampled	02/01/02		02/07/02		02/13/02	
Date Analyzed	02/27/02		02/28/02		03/01/02	
	Actual Vol (m <sup>3</sup> )	279.2	Actual Vol (m <sup>3</sup> )	264.2	Actual Vol (m <sup>3</sup> )	287.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	14.76	0.05	U	10.63	0.04	U	5.66	0.02	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	67.40	0.24		73.94	0.28		59.46	0.21	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	36.30	0.13		38.29	0.14		34.36	0.12	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	25541		25662		25716	
File I.D.	ERG2910.D		ENG2925.D		ENG2946.D	
Date Sampled	02/01/02		02/07/02		02/13/02	
Date Analyzed	02/27/02		02/28/02		03/01/02	
	Actual Vol (m <sup>3</sup> )	279.2	Actual Vol (m <sup>3</sup> )	264.2	Actual Vol (m <sup>3</sup> )	287.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.93	0.003	U	0.39	0.001	U	0.68	0.002	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.31	0.005	U	1.69	0.01	U	0.81	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.53	0.01	U	1.20	0.005	U	0.86	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.62	0.01	U	4.14	0.02	U	2.54	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	25842		26009		26108	
File I.D.	ENG3045.D		ENG3057.D		ENG3093.D	
Date Sampled	02/19/02		02/25/02		03/03/02	
Date Analyzed	03/28/02		03/29/02		04/11/02	
	Actual Vol (m³)	252.5	Actual Vol (m³)	283.8	Actual Vol (m³)	285.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	17.97	0.07	9.30	0.03	4.51	0.02
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	2.32	0.01	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	90.18	0.36	48.37	0.17	15.21	0.05
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	54.47	0.22	26.37	0.09	7.34	0.03
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.71	0.01	0.43	0.002	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	25842		26009		26108	
File I.D.	ENG3045.D		ENG3057.D		ENG3093.D	
Date Sampled	02/19/02		02/25/02		03/03/02	
Date Analyzed	03/28/02		03/29/02		04/11/02	
	Actual Vol (m³)	252.5	Actual Vol (m³)	283.8	Actual Vol (m³)	285.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.93	0.004	U	0.58	0.002	U	ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.62	0.01	U	1.15	0.004	U	ND	ND	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.01	0.01	U	1.04	0.004	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.00	0.02	U	2.74	0.01	U	0.74	0.003	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.33	0.001	U	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		1.02	0.004	U	ND	ND	
Pyrene	ND	ND		0.74	0.003	U	ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26241		26370		26474
<b>File I.D.</b>	ENG3111.D		ENG3125.D		VOID
<b>Date Sampled</b>	03/09/02		03/15/02		03/21/02
<b>Date Analyzed</b>	04/12/02		04/12/02		
	Actual Vol (m <sup>3</sup> )	271.5	Actual Vol (m <sup>3</sup> )	254.0	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND			
Pyridine	ND	ND		ND	ND			
Ethyl methanesulfonate	ND	ND		ND	ND			
2-Picoline	ND	ND		ND	ND			
N-Nitrosomethylethylamine	ND	ND		ND	ND			
Methyl methanesulfonate	ND	ND		ND	ND			
N-Nitrosodiethylamine	ND	ND		ND	ND			
Phenol	ND	ND		ND	ND			
Pentachloroethane	ND	ND		ND	ND			
bis (2-Chloroethyl)ether	ND	ND		ND	ND			
Aniline	ND	ND		ND	ND			
2-Chlorophenol	ND	ND		ND	ND			
1,3-Dichlorobenzene	ND	ND		ND	ND			
1,4-Dichlorobenzene	6.48	0.02	U	11.85	0.05	U		
Benzyl alcohol	ND	ND		ND	ND			
2-Methylphenol	ND	ND		ND	ND			
1,2-Dichlorobenzene	ND	ND		ND	ND			
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND			
3&4-Methylphenol	ND	ND		ND	ND			
N-Nitrosopyrrolidine	ND	ND		ND	ND			
N-Nitrosodipropylamine	ND	ND		ND	ND			
o-Toluidine	ND	ND		ND	ND			
Hexachloroethane	ND	ND		ND	ND			
Acetophenone	ND	ND		ND	ND			
Nitrobenzene	ND	ND		ND	ND			
N-Nitrosopiperidine	ND	ND		ND	ND			
Isophorone	ND	ND		ND	ND			
2-Nitrophenol	ND	ND		ND	ND			
2,4-Dimethylphenol	ND	ND		ND	ND			
bis(2-Chloroethoxy)methane	ND	ND		ND	ND			
2,4-Dichlorophenol	ND	ND		ND	ND			
4-Chloroaniline	ND	ND		ND	ND			
1,2,4-Trichlorobenzene	ND	ND		ND	ND			
Naphthalene	16.47	0.06		45.04	0.18			
2,6-Dichlorophenol	ND	ND		ND	ND			
Hexachloropropene	ND	ND		ND	ND			
Hexachlorobutadiene	ND	ND		ND	ND			
N-Nitrosodibutylamine	ND	ND		ND	ND			
4-Chloro-3-methylphenol	ND	ND		ND	ND			
Safrole	ND	ND		ND	ND			
2-Methylnaphthalene	9.04	0.03	U	22.23	0.09			
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND			
2,4,6-Trichlorophenol	ND	ND		ND	ND			
Hexachlorocyclopentadiene	ND	ND		ND	ND			
2,4,5-Trichlorophenol	ND	ND		ND	ND			
2-Nitroaniline	ND	ND		ND	ND			
Isosafrole	ND	ND		ND	ND			
2-Chloronaphthalene	ND	ND		ND	ND			
1,4-Naphthoquinone	ND	ND		ND	ND			
Dimethyl phthalate	ND	ND		ND	ND			
1,3-Dinitrobenzene	ND	ND		ND	ND			
2,6-Dinitrotoluene	ND	ND		ND	ND			
3-Nitroaniline	ND	ND		ND	ND			
Acenaphthylene	ND	ND		0.60	0.002	U		

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26241		26370		26474
<b>File I.D.</b>	ENG3111.D		ENG3125.D		VOID
<b>Date Sampled</b>	03/09/02		03/15/02		03/21/02
<b>Date Analyzed</b>	04/12/02		04/12/02		
	Actual Vol (m <sup>3</sup> )	271.5	Actual Vol (m <sup>3</sup> )	254.0	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	ND	ND		ND	ND			
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	0.71	0.003	U	0.76	0.003	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	0.60	0.002	U	0.94	0.004	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallate	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	1.67	0.01	U	1.95	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	26482 - Field Blank		26471		26577			
File I.D.	ENG3135.D		ENG3133.D		ENG3186			
Date Sampled	03/21/02		03/27/02		04/02/02			
Date Analyzed	04/12/02		04/12/02		05/30/02			
	Actual Vol (m³)		Actual Vol (m³)		263.6	Actual Vol (m³)	282.7	
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³		
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND		
Pyridine	ND	ND	ND	ND	ND	ND		
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND		
2-Picoline	ND	ND	ND	ND	ND	ND		
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND		
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND		
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND		
Phenol	ND	ND	ND	ND	9.72	0.03	U	
Pentachloroethane	ND	ND	ND	ND	ND	ND		
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND		
Aniline	ND	ND	ND	ND	ND	ND		
2-Chlorophenol	ND	ND	ND	ND	ND	ND		
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	ND	ND	6.11	0.02	U	15.06	0.05	U
Benzyl alcohol	ND	ND	ND	ND	ND	ND		
2-Methylphenol	ND	ND	ND	ND	ND	ND		
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND		
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND		
3&4-Methylphenol	ND	ND	ND	ND	ND	ND		
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND		
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND		
o-Toluidine	ND	ND	ND	ND	ND	ND		
Hexachloroethane	ND	ND	ND	ND	ND	ND		
Acetophenone	ND	ND	ND	ND	ND	ND		
Nitrobenzene	ND	ND	ND	ND	ND	ND		
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND		
Isophorone	ND	ND	ND	ND	ND	ND		
2-Nitrophenol	ND	ND	ND	ND	ND	ND		
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND		
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND		
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND		
4-Chloroaniline	ND	ND	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND		
Naphthalene	ND	ND	34.01	0.13		70.27	0.25	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND		
Hexachloropropene	ND	ND	ND	ND	ND	ND		
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND		
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND		
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND		
Safrole	ND	ND	ND	ND	ND	ND		
2-Methylnaphthalene	ND	ND	18.35	0.07	U	39.25	0.14	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND		
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND		
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND		
2,4,5-Trichlorphenol	ND	ND	ND	ND	ND	ND		
2-Nitroaniline	ND	ND	ND	ND	ND	ND		
Isosafrole	ND	ND	ND	ND	ND	ND		
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND		
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND		
Dimethyl phthalate	ND	ND	ND	ND	ND	ND		
1,3-Dintrobenzene	ND	ND	ND	ND	ND	ND		
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND		
3-Nitroaniline	ND	ND	ND	ND	ND	ND		
Acenaphthylene	ND	ND	ND	ND	ND	ND		

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	26482 - Field Blank		26471		26577			
File I.D.	ENG3135.D		ENG3133.D		ENG3186			
Date Sampled	03/21/02		03/27/02		04/02/02			
Date Analyzed	04/12/02		04/12/02		05/30/02			
	Actual Vol (m³)		Actual Vol (m³)		263.6	Actual Vol (m³)	282.7	
Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND	ND	ND		ND	ND	
4-Nitrophenol	ND	ND	ND	ND		ND	ND	
Acenaphthene	ND	ND	0.44	0.002	U	1.56	0.006	U
2,4-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
2-Naphthylamine	ND	ND	ND	ND		ND	ND	
Dibenzofuran	ND	ND	0.73	0.003	U	0.70	0.002	U
Pentachlorobenzene	ND	ND	ND	ND		ND	ND	
1-Naphthylamine	ND	ND	ND	ND		ND	ND	
Diethyl phthalate	ND	ND	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND		ND	ND	
4-Nitroaniline	ND	ND	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND		ND	ND	
Fluorene	ND	ND	ND	ND		0.87	0.003	U
5-Nitro-o-toluidine	ND	ND	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND		ND	ND	
Diphenylamine	ND	ND	ND	ND		ND	ND	
Azobenzene	ND	ND	ND	ND		ND	ND	
Phenacetin	ND	ND	ND	ND		ND	ND	
Diallate	ND	ND	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND	ND	ND		ND	ND	
Pronamide	ND	ND	ND	ND		ND	ND	
Pentachlorophenol	ND	ND	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND		ND	ND	
Phenanthrene	ND	ND	1.51	0.01	U	2.73	0.01	U
Dinoseb	ND	ND	ND	ND		ND	ND	
Anthracene	ND	ND	ND	ND		ND	ND	
Carbazole	ND	ND	ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND		ND	ND	
Benzidine	ND	ND	ND	ND		ND	ND	
Isodrin	ND	ND	ND	ND		ND	ND	
Fluoranthene	ND	ND	ND	ND		ND	ND	
Pyrene	ND	ND	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND		ND	ND	
Chlorobenzilate	ND	ND	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND		ND	ND	
Chrysene	ND	ND	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26694	26837	26999
<b>File I.D.</b>	ENG3204	ENG3212	ENG3223
<b>Date Sampled</b>	04/08/02	04/14/02	04/20/02
<b>Date Analyzed</b>	05/31/02	05/31/02	05/31/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	280.6	323.2	263.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	18.97	0.07	26.68	0.08	ND	ND	
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	41.73	0.15	35.47	0.11	6.46	0.02	U
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	0.003	ND	ND	U
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	ND	ND	31.05	0.10	ND	ND	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	133.84	0.48	122.39	0.38	17.84	0.07	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	70.31	0.25	51.45	0.16	8.07	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

Sample I.D.	26694			26837			26999	
File I.D.	ENG3204			ENG3212			ENG3223	
Date Sampled	04/08/02			04/14/02			04/20/02	
Date Analyzed	05/31/02			05/31/02			05/31/02	
	Actual Vol (m³)	280.6		Actual Vol (m³)	323.2		Actual Vol (m³)	263.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	2.39	0.009	U	1.92	0.01	U	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	3.49	0.01	U	4.23	0.01	U	ND	ND
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	3.11	0.01	U	3.42	0.01	U	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyl	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	7.35	0.03	U	9.49	0.03	U	2.37	0.01 U
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		ND	ND		ND	ND
Carbazole	ND	ND		ND	ND		ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND
Benidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	ND	ND		ND	ND		ND	ND
Pyrene	ND	ND		ND	ND		ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

**Sample I.D.** 27080  
**File I.D.** ENG3232  
**Date Sampled** 04/26/02  
**Date Analyzed** 06/04/02  
 Actual Vol (m<sup>3</sup>)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	
Pyridine	ND	ND	
Ethyl methanesulfonate	ND	ND	
2-Picoline	ND	ND	
N-Nitrosomethylethylamine	ND	ND	
Methyl methanesulfonate	ND	ND	
N-Nitrosodiethylamine	ND	ND	
Phenol	11.89	0.03	U
Pentachloroethane	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	
Aniline	ND	ND	
2-Chlorophenol	ND	ND	
1,3-Dichlorobenzene	ND	ND	
1,4-Dichlorobenzene	25.39	0.07	
Benzyl alcohol	ND	ND	
2-Methylphenol	ND	ND	
1,2-Dichlorobenzene	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	
3&4-Methylphenol	ND	ND	
N-Nitrosopyrrolidine	ND	ND	
N-Nitrosodipropylamine	ND	ND	
o-Toluidine	ND	ND	
Hexachloroethane	ND	ND	
Acetophenone	ND	ND	
Nitrobenzene	ND	ND	
N-Nitrosopiperidine	ND	ND	
Isophorone	ND	ND	
2-Nitrophenol	ND	ND	
2,4-Dimethylphenol	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	
2,4-Dichlorophenol	ND	ND	
4-Chloroaniline	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	
Naphthalene	75.33	0.21	
2,6-Dichlorophenol	ND	ND	
Hexachloropropene	ND	ND	
Hexachlorobutadiene	ND	ND	
N-Nitrosodibutylamine	ND	ND	
4-Chloro-3-methylphenol	ND	ND	
Safrole	ND	ND	
2-Methylnaphthalene	41.75	0.11	
1,2,4,5-Tetrachlorobenzene	ND	ND	
2,4,6-Trichlorophenol	ND	ND	
Hexachlorocyclopentadiene	ND	ND	
2,4,5-Trichlorophenol	ND	ND	
2-Nitroaniline	ND	ND	
Isosafrole	ND	ND	
2-Chloronaphthalene	ND	ND	
1,4-Naphthoquinone	ND	ND	
Dimethyl phthalate	ND	ND	
1,3-Dinitrobenzene	ND	ND	
2,6-Dinitrotoluene	ND	ND	
3-Nitroaniline	ND	ND	
Acenaphthylene	ND	ND	

# SemiVolatile Samples - Detroit, MI (Lodge/696 - LOMI)

## 2002 Final Data Report

**Sample I.D.** 27080  
**File I.D.** ENG3232  
**Date Sampled** 04/26/02  
**Date Analyzed** 06/04/02  
 Actual Vol (m<sup>3</sup>)

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	1.51	0.004	U
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	0.96	0.003	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	1.23	0.003	U
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallate	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	2.88	0.01	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	ND	ND	
Benzidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	24968		25029		25192	
<b>File I.D.</b>	ENG2813.D		ENG2816.D		ENG2879.D	
<b>Date Sampled</b>	01/02/02		01/08/02		01/14/02	
<b>Date Analyzed</b>	01/18/02		01/18/02		02/26/02	
	Actual Vol (m <sup>3</sup> )	200.1	Actual Vol (m <sup>3</sup> )	228.1	Actual Vol (m <sup>3</sup> )	230.7
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	11.22	0.05	U	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	9.65	0.05	U	7.40	0.03	U
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	19.04	0.10	16.32	0.07	33.60	0.15
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	6.79	0.03	U	14.71
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit



# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	24968			25029			25192		
File I.D.	ENG2813.D			ENG2816.D			ENG2879.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			01/18/02			02/26/02		
	Actual Vol (m³)	200.1		Actual Vol (m³)	228.1		Actual Vol (m³)	230.7	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		0.79	0.003	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	ND	ND		ND	ND		1.03	0.004	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.35	0.002	U	0.36	0.002	U	0.82	0.004	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	ND	ND		1.03	0.005	U	1.70	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		22.31	0.10		40.44	0.18	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25331		25459		25609	
<b>File I.D.</b>	ENG2882.D		ENG2904.D		ENG2918.D	
<b>Date Sampled</b>	01/20/02		01/26/02		02/01/02	
<b>Date Analyzed</b>	02/26/02		02/27/02		02/28/02	
	Actual Vol (m <sup>3</sup> )	274.9	Actual Vol (m <sup>3</sup> )	271.5	Actual Vol (m <sup>3</sup> )	211.2
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	22.25	0.08	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	28.98	0.11	42.49	0.20
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	43.57	0.16	56.08	0.21	58.18	0.27
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	22.50	0.08	28.70	0.14
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	0.88	0.004 U

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	25331			25459			25609		
File I.D.	ENG2882.D			ENG2904.D			ENG2918.D		
Date Sampled	01/20/02			01/26/02			02/01/02		
Date Analyzed	02/26/02			02/27/02			02/28/02		
	Actual Vol (m <sup>3</sup> )	274.9		Actual Vol (m <sup>3</sup> )	271.5		Actual Vol (m <sup>3</sup> )	211.2	
Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.36	0.001	U	1.15	0.004	U	1.38	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.87	0.01	U	2.04	0.01	U	1.77	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.14	0.004	U	1.47	0.01	U	1.72	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.39	0.01	U	2.42	0.01	U	3.35	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		15.52	0.06	U	19.61	0.09	
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	25711		25890		25894	
<b>File I.D.</b>	ENG2931.D		ENG3042.D		ENG3049.D	
<b>Date Sampled</b>	02/07/02		02/13/02		02/19/02	
<b>Date Analyzed</b>	02/28/02		03/28/02		03/29/02	
	Actual Vol (m <sup>3</sup> )	236.2	Actual Vol (m <sup>3</sup> )	271.6	Actual Vol (m <sup>3</sup> )	229.8
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	30.69	0.13	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	27.38	0.12	5.20	0.02	17.89	0.08
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	57.43	0.24	13.26	0.05	34.67	0.15
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	21.82	0.09	5.34	0.02	13.32	0.06
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	0.34	0.001

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	25711			25890			25894		
File I.D.	ENG2931.D			ENG3042.D			ENG3049.D		
Date Sampled	02/07/02			02/13/02			02/19/02		
Date Analyzed	02/28/02			03/28/02			03/29/02		
	Actual Vol (m <sup>3</sup> )	236.2		Actual Vol (m <sup>3</sup> )	271.6		Actual Vol (m <sup>3</sup> )	229.8	
Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.89	0.004	U	0.23	0.001	U	0.66	0.003	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.01	0.01	U	0.44	0.002	U	1.13	0.005	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.62	0.01	U	0.26	0.001	U	0.79	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.53	0.01	U	0.71	0.003	U	1.54	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	11.70	0.05	U	ND	ND		7.97	0.03	U
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	26057		26209		26291	
File I.D.	ENG3052.D		ENG3095.D		ENG3103.D	
Date Sampled	02/25/02		03/03/02		03/09/02	
Date Analyzed	03/29/02		04/11/02		04/11/02	
	Actual Vol (m³)	236.1	Actual Vol (m³)	219.4	Actual Vol (m³)	269.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	19.81	0.08	3.78	0.02 U	28.98	0.11
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	25.31	0.11	4.92	0.02 U	18.60	0.07
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	9.26	0.04 U	ND	ND	6.79	0.03 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	26057			26209			26291		
File I.D.	ENG3052.D			ENG3095.D			ENG3103.D		
Date Sampled	02/25/02			03/03/02			03/09/02		
Date Analyzed	03/29/02			04/11/02			04/11/02		
	Actual Vol (m³)	236.1		Actual Vol (m³)	219.4		Actual Vol (m³)	269.3	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.51	0.002	U	ND	ND		1.06	0.004	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.97	0.004	U	ND	ND		1.20	0.004	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		8.64	0.03	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.57	0.002	U	ND	ND		0.62	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.05	0.004	U	0.80	0.004	U	1.01	0.004	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	32.24	0.14		5.21	0.02	U	11.84	0.04	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	26352		26435		26537	
File I.D.	ENG3122.D		ENG3127.D		ENG3158.D	
Date Sampled	03/15/02		03/21/02		03/27/02	
Date Analyzed	04/12/02		04/12/02		04/15/02	
	Actual Vol (m³)	238.8	Actual Vol (m³)	223.3	Actual Vol (m³)	205.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	13.14	0.06	U	6.17	0.03	U	8.19	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	12.67	0.05		7.71	0.03	U	10.90	0.05	U
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	6.45	0.03	U	2.97	0.01	U	4.88	0.02	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	26352			26435			26537		
File I.D.	ENG3122.D			ENG3127.D			ENG3158.D		
Date Sampled	03/15/02			03/21/02			03/27/02		
Date Analyzed	04/12/02			04/12/02			04/15/02		
	Actual Vol (m <sup>3</sup> )	238.8		Actual Vol (m <sup>3</sup> )	223.3		Actual Vol (m <sup>3</sup> )	205.6	
Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.04	0.004	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.84	0.003	U	ND	ND		ND	ND	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.49	0.002	U	ND	ND		ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.77	0.003	U	0.68	0.003	U	0.96	0.005	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	10.71	0.04	U	ND	ND		ND	ND	
Benzdine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	26589			26724			26912		
File I.D.	ENG3192			ENG3208			ENG3220		
Date Sampled	04/02/02			04/08/02			04/14/02		
Date Analyzed	05/30/02			05/31/02			05/31/02		
	Actual Vol (m³)	211.5		Actual Vol (m³)	193.5		Actual Vol (m³)	198.5	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	9.62	0.05	U	ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.92	0.09		3.70	0.02	U	11.18	0.06	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	17.28	0.08		8.51	0.04	U	16.52	0.08	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	6.40	0.03	U	3.49	0.02	U	6.53	0.03	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	26589		26724		26912	
<b>File I.D.</b>	ENG3192		ENG3208		ENG3220	
<b>Date Sampled</b>	04/02/02		04/08/02		04/14/02	
<b>Date Analyzed</b>	05/30/02		05/31/02		05/31/02	
	Actual Vol (m <sup>3</sup> )	211.5	Actual Vol (m <sup>3</sup> )	193.5	Actual Vol (m <sup>3</sup> )	198.5
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	1.08	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	1.45	0.007 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	2.23	0.01 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	9.25	0.04 U	55.70	0.29	79.72	0.40
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

<b>Sample I.D.</b>	27041		27304		27397	
<b>File I.D.</b>	ENG3229		ENG3236		ENG3248	
<b>Date Sampled</b>	04/20/02		04/26/02		05/02/02	
<b>Date Analyzed</b>	06/04/02		06/05/02		06/05/02	
	Actual Vol (m <sup>3</sup> )	210.5	Actual Vol (m <sup>3</sup> )	232.7	Actual Vol (m <sup>3</sup> )	231.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	15.71	0.07	ND	ND	18.50	0.08
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	24.46	0.12	20.09	0.09	37.73	0.16
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	35.29	0.17	29.09	0.13	57.85	0.25
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	13.75	0.07	10.53	0.05	31.66	0.14
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	27041			27304			27397		
File I.D.	ENG3229			ENG3236			ENG3248		
Date Sampled	04/20/02			04/26/02			05/02/02		
Date Analyzed	06/04/02			06/05/02			06/05/02		
	Actual Vol (m³)	210.5		Actual Vol (m3)	232.7		Actual Vol (m³)	231.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m3		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.22	0.01	U	ND	ND		1.55	0.01	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.46	0.01	U	ND	ND		3.11	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		ND	ND		2.25	0.01	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	3.33	0.02	U	1.24	0.01	U	4.95	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	32.93	0.16		47.71	0.21		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	27467	27525
File I.D.	ENG3242	ENG3261
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/28/02
Actual Vol (m <sup>3</sup> )	212.1	231.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND
Phenol	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND
Aniline	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	16.18	0.08 U	7.49	0.03 U
Benzyl alcohol	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	22.77	0.11	10.78	0.05 U
2,6-Dichlorophenol	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
Safrole	ND	ND	ND	ND
2-Methylnaphthalene	9.00	0.04 U	3.59	0.02 U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2002 Final Data Report

Sample I.D.	27467	27525
File I.D.	ENG3242	ENG3261
Date Sampled	05/08/02	05/14/02
Date Analyzed	06/05/02	06/28/02
Actual Vol (m <sup>3</sup> )	212.1	231.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND
Dibenzofuran	1.25	0.006 U	1.04	0.004 U
Pentachlorobenzene	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND
Fluorene	0.80	0.004 U	ND	ND
5-Nitro-o-toluidine	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND
Diallate	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND
Phenanthrene	2.46	0.01 U	ND	ND
Dinoseb	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND
Di-n-butyl phthalate	7.32	0.03 U	5.39	0.02 U
Benzidine	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25048	25287 - Field Blank	25288
<b>File I.D.</b>	ENG2841.D	ENG2885.D	ENG2886.D
<b>Date Sampled</b>	01/08/02	01/20/02	01/20/02
<b>Date Analyzed</b>	02/03/02	02/26/02	02/26/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	217.6		239.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND	ND	ND
Pyridine	ND	ND		ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND	ND	ND
2-Picoline	ND	ND		ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND	ND	ND
Methyl methanesulfonate	ND	ND		ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND	ND	ND
Phenol	ND	ND		ND	ND	ND	ND
Pentachloroethane	ND	ND		ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND	ND	ND
Aniline	ND	ND		ND	ND	ND	ND
2-Chlorophenol	ND	ND		ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND	ND	ND
1,4-Dichlorobenzene	6.69	0.03	U	ND	ND	10.60	0.04
Benzyl alcohol	ND	ND		ND	ND	ND	ND
2-Methylphenol	ND	ND		ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND	ND	ND
3&4-Methylphenol	ND	ND		ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND	ND	ND
o-Toluidine	ND	ND		ND	ND	ND	ND
Hexachloroethane	ND	ND		ND	ND	ND	ND
Acetophenone	ND	ND		ND	ND	ND	ND
Nitrobenzene	ND	ND		ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND	ND	ND
Isophorone	ND	ND		ND	ND	ND	ND
2-Nitrophenol	ND	ND		ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND	ND	ND
4-Chloroaniline	ND	ND		ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND	ND	ND
Naphthalene	34.73	0.16		ND	ND	38.47	0.16
2,6-Dichlorophenol	ND	ND		ND	ND	ND	ND
Hexachloropropene	ND	ND		ND	ND	ND	ND
Hexachlorobutadiene	ND	ND		ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND	ND	ND
Safrole	ND	ND		ND	ND	ND	ND
2-Methylnaphthalene	16.99	0.08		ND	ND	20.24	0.08
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND	ND	ND
2-Nitroaniline	ND	ND		ND	ND	ND	ND
Isosafrole	ND	ND		ND	ND	ND	ND
2-Chloronaphthalene	ND	ND		ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND	ND	ND
Dimethyl phthalate	ND	ND		ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND	ND	ND
3-Nitroaniline	ND	ND		ND	ND	ND	ND
Acenaphthylene	ND	ND		ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25048			25287 - Field Blank				25288
<b>File I.D.</b>	ENG2841.D			ENG2885.D				ENG2886.D
<b>Date Sampled</b>	01/08/02			01/20/02				01/20/02
<b>Date Analyzed</b>	02/03/02			02/26/02				02/26/02
	Actual Vol (m <sup>3</sup> )	217.6		Actual Vol (m <sup>3</sup> )				Actual Vol (m <sup>3</sup> )
								239.9
<b>Compound</b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>		<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	
2,4-Dinitrophenol	ND	ND		ND	ND	ND	ND	
4-Nitrophenol	ND	ND		ND	ND	ND	ND	
Acenaphthene	0.28	0.001	U	ND	ND	0.23	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND	ND	ND	
2-Naphthylamine	ND	ND		ND	ND	ND	ND	
Dibenzofuran	ND	ND		ND	ND	1.17	0.005	U
Pentachlorobenzene	ND	ND		ND	ND	ND	ND	
1-Naphthylamine	ND	ND		ND	ND	ND	ND	
Diethyl phthalate	ND	ND		ND	ND	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	ND	ND	
4-Nitroaniline	ND	ND		ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	ND	ND	
Fluorene	0.61	0.003	U	ND	ND	0.72	0.003	U
5-Nitro-o-toluidine	ND	ND		ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	ND	ND	
Diphenylamine	ND	ND		ND	ND	ND	ND	
Azobenzene	ND	ND		ND	ND	ND	ND	
Phenacetin	ND	ND		ND	ND	ND	ND	
Diallate	ND	ND		ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND	ND	ND	
Hexachlorobenzene	ND	ND		ND	ND	ND	ND	
Pronamide	ND	ND		ND	ND	ND	ND	
Pentachlorophenol	ND	ND		ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND	ND	ND	
Phenanthrene	ND	ND		ND	ND	1.90	0.01	U
Dinoseb	ND	ND		ND	ND	ND	ND	
Anthracene	ND	ND		ND	ND	ND	ND	
Carbazole	ND	ND		ND	ND	ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND	ND	ND	
Benzidine	ND	ND		ND	ND	ND	ND	
Isodrin	ND	ND		ND	ND	ND	ND	
Fluoranthene	ND	ND		ND	ND	ND	ND	
Pyrene	ND	ND		ND	ND	ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND	ND	ND	
Chlorobenzilate	ND	ND		ND	ND	ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND	ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND	ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND	ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND	ND	ND	
Chrysene	ND	ND		ND	ND	ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND	ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND	ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

Sample I.D.	25544	25712	26008
File I.D.	VOID	ENG2932.D	ENG3056.D
Date Sampled	02/01/02	02/13/02	02/25/02
Date Analyzed		02/28/02	03/29/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		225.3	233.3

Compound	Final Conc (µg)	Final µg/m <sup>3</sup>	Final Conc (µg)	Final µg/m <sup>3</sup>	Final Conc (µg)	Final µg/m <sup>3</sup>
N-Nitrosodimethylamine			ND	ND	ND	ND
Pyridine			ND	ND	ND	ND
Ethyl methanesulfonate			ND	ND	ND	ND
2-Picoline			ND	ND	ND	ND
N-Nitrosomethylethylamine			ND	ND	ND	ND
Methyl methanesulfonate			ND	ND	ND	ND
N-Nitrosodiethylamine			ND	ND	ND	ND
Phenol			ND	ND	ND	ND
Pentachloroethane			ND	ND	ND	ND
bis (2-Chloroethyl)ether			ND	ND	ND	ND
Aniline			ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND
1,4-Dichlorobenzene			7.65	0.03	7.77	0.03
Benzyl alcohol			ND	ND	ND	ND
2-Methylphenol			ND	ND	ND	ND
1,2-Dichlorobenzene			ND	ND	ND	ND
bis(2-Chloroisopropyl)ether			ND	ND	ND	ND
3&4-Methylphenol			ND	ND	ND	ND
N-Nitrosopyrrolidine			ND	ND	ND	ND
N-Nitrosodipropylamine			ND	ND	ND	ND
o-Toluidine			ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND
Acetophenone			ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND
N-Nitrosopiperidine			ND	ND	ND	ND
Isophorone			ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND
bis(2-Chloroethoxy)methane			ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND
4-Chloroaniline			ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	ND
Naphthalene			49.33	0.22	27.56	0.12
2,6-Dichlorophenol			ND	ND	ND	ND
Hexachloropropene			ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND
N-Nitrosodibutylamine			ND	ND	ND	ND
4-Chloro-3-methylphenol			ND	ND	ND	ND
Safrole			ND	ND	ND	ND
2-Methylnaphthalene			32.14	0.14	15.13	0.06
1,2,4,5-Tetrachlorobenzene			ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND
2,4,5-Trichlorophenol			ND	ND	ND	ND
2-Nitroaniline			ND	ND	ND	ND
Isosafrole			ND	ND	ND	ND
2-Chloronaphthalene			ND	ND	ND	ND
1,4-Naphthoquinone			ND	ND	ND	ND
Dimethyl phthalate			ND	ND	ND	ND
1,3-Dinitrobenzene			ND	ND	ND	ND
2,6-Dinitrotoluene			ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND
Acenaphthylene			ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25544	25712	26008
<b>File I.D.</b>	VOID	ENG2932.D	ENG3056.D
<b>Date Sampled</b>	02/01/02	02/13/02	02/25/02
<b>Date Analyzed</b>		02/28/02	03/29/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		225.3	233.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol				ND	ND		ND	ND	
4-Nitrophenol				ND	ND		ND	ND	
Acenaphthene				0.35	0.00	U	0.59	0.003	U
2,4-Dinitrotoluene				ND	ND		ND	ND	
2-Naphthylamine				ND	ND		ND	ND	
Dibenzofuran				ND	ND		1.01	0.004	U
Pentachlorobenzene				ND	ND		ND	ND	
1-Naphthylamine				ND	ND		ND	ND	
Diethyl phthalate				ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol				ND	ND		ND	ND	
4-Nitroaniline				ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether				ND	ND		ND	ND	
Fluorene				0.83	0.004	U	0.89	0.004	U
5-Nitro-o-toluidine				ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol				ND	ND		ND	ND	
Diphenylamine				ND	ND		ND	ND	
Azobenzene				ND	ND		ND	ND	
Phenacetin				ND	ND		ND	ND	
Diallate				ND	ND		ND	ND	
4-Bromophenyl phenyl ether				ND	ND		ND	ND	
4-Aminobiphenyl				ND	ND		ND	ND	
Hexachlorobenzene				ND	ND		ND	ND	
Pronamide				ND	ND		ND	ND	
Pentachlorophenol				ND	ND		ND	ND	
Pentachloronitrobenzene				ND	ND		ND	ND	
Phenanthrene				2.21	0.01	U	1.54	0.01	U
Dinoseb				ND	ND		ND	ND	
Anthracene				ND	ND		ND	ND	
Carbazole				ND	ND		ND	ND	
Di-n-butyl phthalate				ND	ND		ND	ND	
Benidine				ND	ND		ND	ND	
Isodrin				ND	ND		ND	ND	
Fluoranthene				ND	ND		ND	ND	
Pyrene				ND	ND		ND	ND	
4-Dimethylaminoazobenzene				ND	ND		ND	ND	
Chlorobenzilate				ND	ND		ND	ND	
3,3'-Dimethylbenzidine				ND	ND		ND	ND	
Butyl benzyl phthalate				ND	ND		ND	ND	
2-Acetylaminofluorene				ND	ND		ND	ND	
3-Methylcholanthrene				ND	ND		ND	ND	
3,3'-Dichlorobenzidine				ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate				ND	ND		ND	ND	
Benzo(a)anthracene				ND	ND		ND	ND	
Chrysene				ND	ND		ND	ND	
Di-n-octyl phthalate				ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene				ND	ND		ND	ND	
Benzo(b)fluoranthene				ND	ND		ND	ND	
Benzo(k)fluoranthene				ND	ND		ND	ND	
Benzo(a)pyrene				ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene				ND	ND		ND	ND	
Dibenz(a,h)anthracene				ND	ND		ND	ND	
Benzo(g,h,i)perylene				ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26245			26476			26576
<b>File I.D.</b>	ENG3117.D			ENG3134.D			ENG3185
<b>Date Sampled</b>	03/09/02			03/21/02			04/02/02
<b>Date Analyzed</b>	04/12/02			04/12/02			05/30/02
	Actual Vol (m <sup>3</sup> )	299.2		Actual Vol (m <sup>3</sup> )	236.5		Actual Vol (m <sup>3</sup> ) 316.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	ND	ND		ND	ND		26.56	0.08
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	4.22	0.01	U	4.91	0.02	U	18.86	0.06
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	13.59	0.05		17.68	0.07		233.83	0.74
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	6.83	0.02	U	10.03	0.04	U	75.53	0.24
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26245			26476			26576
<b>File I.D.</b>	ENG3117.D			ENG3134.D			ENG3185
<b>Date Sampled</b>	03/09/02			03/21/02			04/02/02
<b>Date Analyzed</b>	04/12/02			04/12/02			05/30/02
	Actual Vol (m <sup>3</sup> )	299.2		Actual Vol (m <sup>3</sup> )	236.5		Actual Vol (m <sup>3</sup> ) 316.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		6.79	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.08	0.004	U	0.65	0.003	U	5.52	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.85	0.003	U	0.41	0.002	U	4.89	0.02	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	1.34	0.004	U	0.75	0.003	U	10.48	0.03	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		0.86	0.003	U
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		14.12	0.04	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

**Sample I.D.** 26838  
**File I.D.** ENG3213  
**Date Sampled** 04/14/02  
**Date Analyzed** 05/31/02  
 Actual Vol (m<sup>3</sup>) 281.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	
Pyridine	ND	ND	
Ethyl methanesulfonate	ND	ND	
2-Picoline	ND	ND	
N-Nitrosomethylethylamine	ND	ND	
Methyl methanesulfonate	ND	ND	
N-Nitrosodiethylamine	ND	ND	
Phenol	ND	ND	
Pentachloroethane	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	
Aniline	ND	ND	
2-Chlorophenol	ND	ND	
1,3-Dichlorobenzene	ND	ND	
1,4-Dichlorobenzene	12.06	0.04	U
Benzyl alcohol	ND	ND	
2-Methylphenol	ND	ND	
1,2-Dichlorobenzene	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	
3&4-Methylphenol	ND	ND	
N-Nitrosopyrrolidine	ND	ND	
N-Nitrosodipropylamine	ND	ND	
o-Toluidine	ND	ND	
Hexachloroethane	ND	ND	
Acetophenone	ND	ND	
Nitrobenzene	ND	ND	
N-Nitrosopiperidine	ND	ND	
Isophorone	ND	ND	
2-Nitrophenol	ND	ND	
2,4-Dimethylphenol	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	
2,4-Dichlorophenol	ND	ND	
4-Chloroaniline	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	
Naphthalene	44.66	0.16	
2,6-Dichlorophenol	ND	ND	
Hexachloropropene	ND	ND	
Hexachlorobutadiene	ND	ND	
N-Nitrosodibutylamine	ND	ND	
4-Chloro-3-methylphenol	ND	ND	
Safrole	ND	ND	
2-Methylnaphthalene	21.78	0.08	
1,2,4,5-Tetrachlorobenzene	ND	ND	
2,4,6-Trichlorophenol	ND	ND	
Hexachlorocyclopentadiene	ND	ND	
2,4,5-Trichlorophenol	ND	ND	
2-Nitroaniline	ND	ND	
Isosafrole	ND	ND	
2-Chloronaphthalene	ND	ND	
1,4-Naphthoquinone	ND	ND	
Dimethyl phthalate	ND	ND	
1,3-Dinitrobenzene	ND	ND	
2,6-Dinitrotoluene	ND	ND	
3-Nitroaniline	ND	ND	
Acenaphthylene	ND	ND	

# SemiVolatile Samples - Detroit, MI (River Rouge - RRMI)

## 2002 Final Data Report

**Sample I.D.** 26838  
**File I.D.** ENG3213  
**Date Sampled** 04/14/02  
**Date Analyzed** 05/31/02  
 Actual Vol (m<sup>3</sup>) 281.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	
4-Nitrophenol	ND	ND	
Acenaphthene	2.35	0.008	U
2,4-Dinitrotoluene	ND	ND	
2-Naphthylamine	ND	ND	
Dibenzofuran	2.52	0.009	U
Pentachlorobenzene	ND	ND	
1-Naphthylamine	ND	ND	
Diethyl phthalate	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	
4-Nitroaniline	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	
Fluorene	2.69	0.01	U
5-Nitro-o-toluidine	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	
Diphenylamine	ND	ND	
Azobenzene	ND	ND	
Phenacetin	ND	ND	
Diallate	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	
4-Aminobiphenyl	ND	ND	
Hexachlorobenzene	ND	ND	
Pronamide	ND	ND	
Pentachlorophenol	ND	ND	
Pentachloronitrobenzene	ND	ND	
Phenanthrene	5.89	0.02	U
Dinoseb	ND	ND	
Anthracene	ND	ND	
Carbazole	ND	ND	
Di-n-butyl phthalate	ND	ND	
Benzidine	ND	ND	
Isodrin	ND	ND	
Fluoranthene	ND	ND	
Pyrene	ND	ND	
4-Dimethylaminoazobenzene	ND	ND	
Chlorobenzilate	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	
Butyl benzyl phthalate	ND	ND	
2-Acetylaminofluorene	ND	ND	
3-Methylcholanthrene	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	
Benzo(a)anthracene	ND	ND	
Chrysene	ND	ND	
Di-n-octyl phthalate	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	
Benzo(b)fluoranthene	ND	ND	
Benzo(k)fluoranthene	ND	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	
Dibenz(a,h)anthracene	ND	ND	
Benzo(g,h,i)perylene	ND	ND	

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	24969	25100	25188
<b>File I.D.</b>	ENG2814.D	VOID	ENG2869.D
<b>Date Sampled</b>	1/2/2002	1/8/2002	1/14/2002
<b>Date Analyzed</b>	1/18/2002		2/25/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	264.5		275.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND			ND	ND
Pyridine	ND	ND			ND	ND
Ethyl methanesulfonate	ND	ND			ND	ND
2-Picoline	ND	ND			ND	ND
N-Nitrosomethylethylamine	ND	ND			ND	ND
Methyl methanesulfonate	ND	ND			ND	ND
N-Nitrosodiethylamine	ND	ND			ND	ND
Phenol	25.24	0.10			ND	ND
Pentachloroethane	ND	ND			ND	ND
bis (2-Chloroethyl)ether	ND	ND			ND	ND
Aniline	ND	ND			ND	ND
2-Chlorophenol	ND	ND			ND	ND
1,3-Dichlorobenzene	ND	ND			ND	ND
1,4-Dichlorobenzene	373.34	1.41			20.55	0.07
Benzyl alcohol	ND	ND			ND	ND
2-Methylphenol	ND	ND			ND	ND
1,2-Dichlorobenzene	28.15	0.11			ND	ND
bis(2-Chloroisopropyl)ether	ND	ND			ND	ND
3&4-Methylphenol	3.71	0.01	U		ND	ND
N-Nitrosopyrrolidine	ND	ND			ND	ND
N-Nitrosodipropylamine	ND	ND			ND	ND
o-Toluidine	ND	ND			ND	ND
Hexachloroethane	ND	ND			ND	ND
Acetophenone	ND	ND			ND	ND
Nitrobenzene	ND	ND			ND	ND
N-Nitrosopiperidine	ND	ND			ND	ND
Isophorone	ND	ND			ND	ND
2-Nitrophenol	ND	ND			ND	ND
2,4-Dimethylphenol	ND	ND			ND	ND
bis(2-Chloroethoxy)methane	ND	ND			ND	ND
2,4-Dichlorophenol	ND	ND			ND	ND
4-Chloroaniline	ND	ND			ND	ND
1,2,4-Trichlorobenzene	ND	ND			ND	ND
Naphthalene	59.42	0.22			55.65	0.20
2,6-Dichlorophenol	ND	ND			ND	ND
Hexachloropropene	ND	ND			ND	ND
Hexachlorobutadiene	ND	ND			ND	ND
N-Nitrosodibutylamine	ND	ND			ND	ND
4-Chloro-3-methylphenol	ND	ND			ND	ND
Safrole	ND	ND			ND	ND
2-Methylnaphthalene	29.47	0.11			23.49	0.085
1,2,4,5-Tetrachlorobenzene	ND	ND			ND	ND
2,4,6-Trichlorophenol	ND	ND			ND	ND
Hexachlorocyclopentadiene	ND	ND			ND	ND
2,4,5-Trichlorophenol	ND	ND			ND	ND
2-Nitroaniline	ND	ND			ND	ND
Isosafrole	ND	ND			ND	ND
2-Chloronaphthalene	ND	ND			ND	ND
1,4-Naphthoquinone	ND	ND			ND	ND
Dimethyl phthalate	ND	ND			ND	ND
1,3-Dinitrobenzene	ND	ND			ND	ND
2,6-Dinitrotoluene	ND	ND			ND	ND
3-Nitroaniline	ND	ND			ND	ND
Acenaphthylene	0.98	0.004	U		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	24969	25100	25188
<b>File I.D.</b>	ENG2814.D	VOID	ENG2869.D
<b>Date Sampled</b>	1/2/2002	1/8/2002	1/14/2002
<b>Date Analyzed</b>	1/18/2002		2/25/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	264.5		275.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND					ND	ND	
4-Nitrophenol	ND	ND					ND	ND	
Acenaphthene	0.43	0.002	U				0.36	0.001	U
2,4-Dinitrotoluene	ND	ND					ND	ND	
2-Naphthylamine	ND	ND					ND	ND	
Dibenzofuran	1.43	0.01	U				1.32	0.005	U
Pentachlorobenzene	ND	ND					ND	ND	
1-Naphthylamine	ND	ND					ND	ND	
Diethyl phthalate	ND	ND					ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND					ND	ND	
4-Nitroaniline	ND	ND					ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND					ND	ND	
Fluorene	0.78	0.003	U				0.92	0.003	U
5-Nitro-o-toluidine	ND	ND					ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND					ND	ND	
Diphenylamine	ND	ND					ND	ND	
Azobenzene	ND	ND					ND	ND	
Phenacetin	ND	ND					ND	ND	
Diallate	ND	ND					ND	ND	
4-Bromophenyl phenyl ether	ND	ND					ND	ND	
4-Aminobiphenyl	ND	ND					ND	ND	
Hexachlorobenzene	ND	ND					ND	ND	
Pronamide	ND	ND					ND	ND	
Pentachlorophenol	ND	ND					ND	ND	
Pentachloronitrobenzene	ND	ND					ND	ND	
Phenanthrene	2.65	0.01	U				2.37	0.01	U
Dinoseb	ND	ND					ND	ND	
Anthracene	ND	ND					ND	ND	
Carbazole	ND	ND					ND	ND	
Di-n-butyl phthalate	ND	ND					ND	ND	
Benzydine	ND	ND					ND	ND	
Isodrin	ND	ND					ND	ND	
Fluoranthene	ND	ND					ND	ND	
Pyrene	ND	ND					ND	ND	
4-Dimethylaminoazobenzene	ND	ND					ND	ND	
Chlorobenzilate	ND	ND					ND	ND	
3,3'-Dimethylbenzidine	ND	ND					ND	ND	
Butyl benzyl phthalate	ND	ND					ND	ND	
2-Acetylaminofluorene	ND	ND					ND	ND	
3-Methylcholanthrene	ND	ND					ND	ND	
3,3'-Dichlorobenzidine	ND	ND					ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND					ND	ND	
Benzo(a)anthracene	ND	ND					ND	ND	
Chrysene	ND	ND					ND	ND	
Di-n-octyl phthalate	ND	ND					ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND					ND	ND	
Benzo(b)fluoranthene	ND	ND					ND	ND	
Benzo(k)fluoranthene	ND	ND					ND	ND	
Benzo(a)pyrene	ND	ND					ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND					ND	ND	
Dibenz(a,h)anthracene	ND	ND					ND	ND	
Benzo(g,h,i)perylene	ND	ND					ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	25329	25473	25612
<b>File I.D.</b>	ENG2870.D	ENG2871.D	ENG2943.D
<b>Date Sampled</b>	1/20/2002	1/26/2002	2/1/2002
<b>Date Analyzed</b>	2/25/2002	2/25/2002	3/1/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	273.1	305.5	256.0

Compound	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³	Final Conc (µg)	Final µg/m³
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	20.50	0.08	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	33.52	0.12	3.95	0.01	U 171.16	0.67
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	76.51	0.28	13.05	0.04	44.99	0.18
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.23	0.13	6.07	0.02	U 18.32	0.07
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorphenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dintrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.56	0.01	U	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	25329	25473	25612
<b>File I.D.</b>	ENG2870.D	ENG2871.D	ENG2943.D
<b>Date Sampled</b>	1/20/2002	1/26/2002	2/1/2002
<b>Date Analyzed</b>	2/25/2002	2/25/2002	3/1/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	273.1	305.5	256.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.34	0.001	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.31	0.01	U	ND	ND		0.76	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.41	0.01	U	ND	ND		0.55	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.17	0.02	U	ND	ND		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.02	0.00	U	ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	25664	25811	25973
<b>File I.D.</b>	ENG2927.D	ENG3038.D	ENG3041.D
<b>Date Sampled</b>	2/7/2002	2/13/2002	2/19/2002
<b>Date Analyzed</b>	2/28/2002	3/28/2002	3/28/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	293.1	243.9	277.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	55.27	0.19	138.66	0.57	199.08	0.72
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	3.76	0.01	U	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	118.33	0.40	46.05	0.19	32.63	0.12
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	52.09	0.18	22.12	0.091	14.34	0.05
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.94	0.01	U	0.51	0.002	U

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	25664	25811	25973
<b>File I.D.</b>	ENG2927.D	ENG3038.D	ENG3041.D
<b>Date Sampled</b>	2/7/2002	2/13/2002	2/19/2002
<b>Date Analyzed</b>	2/28/2002	3/28/2002	3/28/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	293.1	243.9	277.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	0.87	0.003	U	0.43	0.002	U	0.33	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.21	0.01	U	0.67	0.003	U	0.78	0.003	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.74	0.01	U	0.56	0.002	U	0.54	0.002	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.37	0.01	U	1.21	0.005	U	1.38	0.005	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	26091	26207	26318
<b>File I.D.</b>	ENG3040.D	ENG3083.D	ENG3084.D
<b>Date Sampled</b>	2/25/2002	03/03/02	03/09/02
<b>Date Analyzed</b>	3/28/2002	04/11/02	04/11/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	292.5	251.3	256.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	13.57	0.05	U	7.17	0.03	U	15.63	0.06	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	37.89	0.13		13.22	0.05		13.63	0.05	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	16.60	0.06	U	4.88	0.02	U	4.93	0.02	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	26091	26207	26318
<b>File I.D.</b>	ENG3040.D	ENG3083.D	ENG3084.D
<b>Date Sampled</b>	2/25/2002	03/03/02	03/09/02
<b>Date Analyzed</b>	3/28/2002	04/11/02	04/11/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	292.5	251.3	256.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND	ND	ND
4-Nitrophenol	ND	ND		ND	ND	ND	ND
Acenaphthene	0.38	0.001	U	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND	ND	ND
2-Naphthylamine	ND	ND		ND	ND	ND	ND
Dibenzofuran	0.97	0.003	U	ND	ND	ND	ND
Pentachlorobenzene	ND	ND		ND	ND	ND	ND
1-Naphthylamine	ND	ND		ND	ND	ND	ND
Diethyl phthalate	ND	ND		ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND	ND	ND
4-Nitroaniline	ND	ND		ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND	ND	ND
Fluorene	0.70	0.002	U	ND	ND	ND	ND
5-Nitro-o-toluidine	ND	ND		ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND	ND	ND
Diphenylamine	ND	ND		ND	ND	ND	ND
Azobenzene	ND	ND		ND	ND	ND	ND
Phenacetin	ND	ND		ND	ND	ND	ND
Diallate	ND	ND		ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND	ND	ND
4-Aminobiphenyl	ND	ND		ND	ND	ND	ND
Hexachlorobenzene	ND	ND		ND	ND	ND	ND
Pronamide	ND	ND		ND	ND	ND	ND
Pentachlorophenol	ND	ND		ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND	ND	ND
Phenanthrene	1.80	0.01	U	ND	ND	0.85	0.003 U
Dinoseb	ND	ND		ND	ND	ND	ND
Anthracene	ND	ND		ND	ND	ND	ND
Carbazole	ND	ND		ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND		ND	ND	ND	ND
Benzydine	ND	ND		ND	ND	ND	ND
Isodrin	ND	ND		ND	ND	ND	ND
Fluoranthene	0.57	0.002	U	ND	ND	ND	ND
Pyrene	ND	ND		ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND		ND	ND	ND	ND
Chlorobenzilate	ND	ND		ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND	ND	ND
3-Methylcholanthrene	ND	ND		ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND	ND	ND
Benzo(a)anthracene	ND	ND		ND	ND	ND	ND
Chrysene	ND	ND		ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND	ND	ND
Benzo(a)pyrene	ND	ND		ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	26389	26452	26541
<b>File I.D.</b>	ENG3085.D	ENG3086.D	ENG3162.D
<b>Date Sampled</b>	03/15/02	03/21/02	03/27/02
<b>Date Analyzed</b>	04/11/02	04/11/02	04/15/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	220.4	245.4	258.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	165.55	0.75	202.52	0.83	27.94	0.11
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	19.15	0.09	33.53	0.14	51.79	0.20
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	8.43	0.04	U	11.68	0.05	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	0.61	0.002

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	26389	26452	26541
<b>File I.D.</b>	ENG3085.D	ENG3086.D	ENG3162.D
<b>Date Sampled</b>	03/15/02	03/21/02	03/27/02
<b>Date Analyzed</b>	04/11/02	04/11/02	04/15/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	220.4	245.4	258.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	
Acenaphthene	ND	ND	ND	ND	0.91	0.004	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
2-Naphthylamine	ND	ND	ND	ND	ND	ND	
Dibenzofuran	ND	ND	ND	ND	1.42	0.01	U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND	
1-Naphthylamine	ND	ND	ND	ND	ND	ND	
Diethyl phthalate	ND	ND	ND	ND	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND	
4-Nitroaniline	ND	ND	ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	
Fluorene	ND	ND	ND	ND	1.20	0.005	U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	
Diphenylamine	ND	ND	ND	ND	ND	ND	
Azobenzene	ND	ND	ND	ND	ND	ND	
Phenacetin	ND	ND	ND	ND	ND	ND	
Diallate	ND	ND	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	
Pronamide	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	ND	ND	ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND	
Phenanthrene	0.89	0.004	U	1.00	0.004	U	1.69
Dinoseb	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	ND
Benzydine	ND	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	26672	26803	26971
<b>File I.D.</b>	ENG3183	ENG3198	ENG3199
<b>Date Sampled</b>	04/02/02	04/08/02	04/14/02
<b>Date Analyzed</b>	05/30/02	05/31/02	05/31/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	241.9	250.3	250.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	329.30	1.36	16.86	0.07	31.91	0.13
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	38.47	0.16	44.06	0.18	41.89	0.17
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	17.79	0.07	U	19.65	0.08	20.27
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	26672	26803	26971
<b>File I.D.</b>	ENG3183	ENG3198	ENG3199
<b>Date Sampled</b>	04/02/02	04/08/02	04/14/02
<b>Date Analyzed</b>	05/30/02	05/31/02	05/31/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	241.9	250.3	250.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.35	0.01	U	0.89	0.004	U	1.96	0.008	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.34	0.006	U	2.31	0.01	U	2.96	0.012	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.74	0.003	U	0.58	0.002	U	1.50	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	2.57	0.01	U	3.50	0.014	U	4.58	0.018	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	27078	27309	27335
<b>File I.D.</b>	ENG3200	ENG3201	ENG3237
<b>Date Sampled</b>	04/20/02	04/26/02	05/02/02
<b>Date Analyzed</b>	05/31/02	05/31/02	06/05/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	242.5	236.8	259.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	ND	ND	ND	ND	17.53	0.068	
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	54.71	0.23	73.36	0.31	189.63	0.731	
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	ND	ND	ND	ND	ND	ND	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	54.99	0.23	57.93	0.25	57.51	0.222	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	19.75	0.08	25.54	0.11	16.79	0.065	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	27078	27309	27335
<b>File I.D.</b>	ENG3200	ENG3201	ENG3237
<b>Date Sampled</b>	04/20/02	04/26/02	05/02/02
<b>Date Analyzed</b>	05/31/02	05/31/02	06/05/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	242.5	236.8	259.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	2.04	0.009	U	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	1.67	0.01	U	1.33
Pentachlorobenzene	ND	ND	ND	ND	ND	0.005
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	1.81	0.007	U	1.98	0.008	U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	0.003
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	3.13	0.01	U	ND
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND
Benzydine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	27466	27564	27727
<b>File I.D.</b>	ENG3238	ENG3239	ENG3257
<b>Date Sampled</b>	05/08/02	05/14/02	05/20/02
<b>Date Analyzed</b>	06/05/02	06/05/02	06/28/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	237.3	232.6	247.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	21.66	0.09	ND	ND	ND	ND	
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	23.55	0.10	148.89	0.64	89.07	0.36	
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	ND	ND	ND	ND	ND	ND	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	50.59	0.21	50.13	0.22	59.91	0.24	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	19.25	0.08	20.78	0.09	18.19	0.07	U
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	27466	27564	27727
<b>File I.D.</b>	ENG3238	ENG3239	ENG3257
<b>Date Sampled</b>	05/08/02	05/14/02	05/20/02
<b>Date Analyzed</b>	06/05/02	06/05/02	06/28/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	237.3	232.6	247.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.98	0.008	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.64	0.01	U	2.56	0.011	U	1.51	0.006	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.26	0.010	U	1.47	0.006	U	1.41	0.006	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	6.37	0.027	U	4.17	0.018	U	3.97	0.016	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	27884	27885	27990
<b>File I.D.</b>	ENG3258	ENG3290	ENG3291
<b>Date Sampled</b>	05/26/02	06/01/02	06/07/02
<b>Date Analyzed</b>	06/28/02	07/14/02	07/14/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	237.1	234.0	246.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	13.02	0.05	6.24	0.027	U	14.40
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	32.41	0.14	100.08	0.428	39.15	0.16
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	14.23	0.06
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	43.35	0.18	44.22	0.189	35.46	0.14
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	15.64	0.07	U	20.28	0.087	17.16
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit



# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	27884	27885	27990
<b>File I.D.</b>	ENG3258	ENG3290	ENG3291
<b>Date Sampled</b>	05/26/02	06/01/02	06/07/02
<b>Date Analyzed</b>	06/28/02	07/14/02	07/14/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	237.1	234.0	246.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.66	0.007	U	3.21	0.014	U	1.73	0.007	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.70	0.01	U	3.85	0.016	U	3.21	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		3.61	0.015	U	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	1.56	0.007	U	3.60	0.015	U	2.50	0.010	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.62	0.02	U	9.79	0.042	U	4.67	0.019	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		1.33	0.01	U
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		1.65	0.007	U	0.89	0.004	U
Pyrene	ND	ND		1.18	0.005	U	0.40	0.002	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		5.76	0.025	U	16.21	0.07	U
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	28053	28248	28333
<b>File I.D.</b>	ENG3292	ENG3293	ENG3339
<b>Date Sampled</b>	06/13/02	06/19/02	06/25/02
<b>Date Analyzed</b>	07/14/02	07/15/02	07/25/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	207.5	244.6	207.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	6.74	0.03	U	5.53	0.02	U	13.75	0.07
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	129.80	0.63		10.63	0.04	U	153.34	0.74
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	7.74	0.04	U	ND	ND		11.25	0.05
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		22.44	0.11
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	29.53	0.14		34.47	0.14		61.90	0.30
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	13.25	0.06	U	18.15	0.07	U	30.77	0.15
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	28053	28248	28333
<b>File I.D.</b>	ENG3292	ENG3293	ENG3339
<b>Date Sampled</b>	06/13/02	06/19/02	06/25/02
<b>Date Analyzed</b>	07/14/02	07/15/02	07/25/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	207.5	244.6	207.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.49	0.007	U	1.62	0.007	U	2.84	0.014	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.13	0.010	U	3.32	0.014	U	5.01	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.65	0.01	U	2.68	0.01	U	ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	ND	ND		2.32	0.009	U	3.85	0.019	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	4.92	0.024	U	6.67	0.027	U	9.83	0.05	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	1.34	0.01	U	2.64	0.01	U	2.67	0.01	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	0.94	0.005	U	1.97	0.01	U	1.84	0.009	U
Pyrene	0.29	0.001	U	0.63	0.003	U	0.68	0.003	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	1.98	0.01	U	5.00	0.02	U	4.28	0.02	U
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	28532	28644	28789
<b>File I.D.</b>	ENG3358	ENG3359	ENG3394
<b>Date Sampled</b>	07/01/02	07/07/02	07/13/02
<b>Date Analyzed</b>	08/02/02	08/02/02	08/14/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	200.9	195.2	217.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	7.04	0.035	U	4.18	0.02	U	10.44	0.05
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	14.70	0.073	U	34.82	0.18		17.65	0.08
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		17.06	0.08
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	43.59	0.22		38.18	0.20		89.77	0.41
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	21.75	0.11		14.65	0.08	U	31.43	0.14
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	28532		28644		28789	
<b>File I.D.</b>	ENG3358		ENG3359		ENG3394	
<b>Date Sampled</b>	07/01/02		07/07/02		07/13/02	
<b>Date Analyzed</b>	08/02/02		08/02/02		08/14/02	
	Actual Vol (m <sup>3</sup> )	200.9	Actual Vol (m <sup>3</sup> )	195.2	Actual Vol (m <sup>3</sup> )	217.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	3.54	0.02	U	2.34	0.012	U	4.63	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.34	0.02	U	5.17	0.03	U	7.06	0.03	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.65	0.01	U	1.52	0.01	U	1.31	0.01	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	3.91	0.02	U	3.88	0.02	U	5.82	0.03	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	10.94	0.05	U	7.68	0.04	U	7.99	0.04	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	2.13	0.01	U	1.70	0.009	U	ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	2.82	0.01	U	1.73	0.009	U	1.52	0.007	U
Pyrene	1.12	0.006	U	ND	ND		0.60	0.003	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.83	0.02	U	3.55	0.02	U	ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	28925	29031	29071
<b>File I.D.</b>	ENG3395	ENG3396	ENG3397
<b>Date Sampled</b>	07/19/02	07/25/02	07/31/02
<b>Date Analyzed</b>	08/14/02	08/14/02	08/14/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	205.3	216.7	216.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	
Pyridine	ND	ND	ND	ND	ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	
2-Picoline	ND	ND	ND	ND	ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND	
Phenol	10.37	0.05	8.04	0.04	6.60	0.03	U
Pentachloroethane	ND	ND	ND	ND	ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	
Aniline	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	45.42	0.22	14.77	0.07	15.49	0.07	
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	2.09	0.01	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	ND	ND	ND	ND	ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND	
o-Toluidine	ND	ND	ND	ND	ND	ND	
Hexachloroethane	ND	ND	ND	ND	ND	ND	
Acetophenone	15.12	0.07	16.46	0.08	13.75	0.06	
Nitrobenzene	ND	ND	ND	ND	ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND	
Isophorone	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
Naphthalene	49.39	0.24	47.70	0.22	41.86	0.19	
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachloropropene	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	
Safrole	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	23.68	0.12	26.17	0.12	21.02	0.10	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	
Isosafrole	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2002 Final Data Report

<b>Sample I.D.</b>	28925	29031	29071
<b>File I.D.</b>	ENG3395	ENG3396	ENG3397
<b>Date Sampled</b>	07/19/02	07/25/02	07/31/02
<b>Date Analyzed</b>	08/14/02	08/14/02	08/14/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	205.3	216.7	216.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.32	0.01	U	2.66	0.01	U	3.46	0.02	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	3.39	0.02		3.81	0.02		4.23	0.02	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.66	0.01	U	1.56	0.007	U	1.70	0.008	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.96	0.01	U	3.15	0.01	U	3.61	0.02	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	7.08	0.03		8.37	0.04		10.60	0.05	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	1.61	0.008	U	ND	ND		3.22	0.01	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.33	0.006	U	1.64	0.008	U	2.28	0.01	U
Pyrene	0.69	0.003	U	0.84	0.004	U	0.79	0.004	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.50	0.02	U	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25045 - Field Blank	25046	25294
<b>File I.D.</b>	ENG2838.D	ENG2839.D	ENG2896.D
<b>Date Sampled</b>	01/08/02	01/08/02	01/20/02
<b>Date Analyzed</b>	02/03/02	02/03/02	02/27/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	280.2
			Actual Vol (m <sup>3</sup> ) 286.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	27.82	0.10
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	21.20	0.08	18.13	0.06
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	3.82	0.01
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	43.58	0.16	162.88	0.57
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	22.22	0.08	26.54	0.09
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND

D - Dilution  
ND - Not Detected  
U - Under Detection Limit



# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25045 - Field Blank	25046	25294
<b>File I.D.</b>	ENG2838.D	ENG2839.D	ENG2896.D
<b>Date Sampled</b>	01/08/02	01/08/02	01/20/02
<b>Date Analyzed</b>	02/03/02	02/03/02	02/27/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	280.2
			Actual Vol (m <sup>3</sup> )
			286.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	ND	ND		ND	ND	
4-Nitrophenol	ND	ND	ND	ND		ND	ND	
Acenaphthene	ND	ND	0.31	0.001	U	1.87	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
2-Naphthylamine	ND	ND	ND	ND		ND	ND	
Dibenzofuran	ND	ND	1.60	0.01	U	2.61	0.01	U
Pentachlorobenzene	ND	ND	ND	ND		ND	ND	
1-Naphthylamine	ND	ND	ND	ND		ND	ND	
Diethyl phthalate	ND	ND	ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND		ND	ND	
4-Nitroaniline	ND	ND	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND		ND	ND	
Fluorene	ND	ND	1.31	0.00	U	1.90	0.01	U
5-Nitro-o-toluidine	ND	ND	ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND		ND	ND	
Diphenylamine	ND	ND	ND	ND		ND	ND	
Azobenzene	ND	ND	ND	ND		ND	ND	
Phenacetin	ND	ND	ND	ND		ND	ND	
Diallate	ND	ND	ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND		ND	ND	
Hexachlorobenzene	ND	ND	ND	ND		ND	ND	
Pronamide	ND	ND	ND	ND		ND	ND	
Pentachlorophenol	ND	ND	ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND		ND	ND	
Phenanthrene	ND	ND	2.67	0.01	U	3.95	0.01	U
Dinoseb	ND	ND	ND	ND		ND	ND	
Anthracene	ND	ND	ND	ND		ND	ND	
Carbazole	ND	ND	ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND		ND	ND	
Benzidine	ND	ND	ND	ND		ND	ND	
Isodrin	ND	ND	ND	ND		ND	ND	
Fluoranthene	ND	ND	ND	ND		ND	ND	
Pyrene	ND	ND	ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND	ND	ND		ND	ND	
Chlorobenzilate	ND	ND	ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND		ND	ND	
Chrysene	ND	ND	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND	ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25542	25715	26014
<b>File I.D.</b>	ERG2911.D	ENG2945.D	ENG3079.D/3271.D
<b>Date Sampled</b>	02/01/02	02/13/02	02/25/02
<b>Date Analyzed</b>	02/27/02	03/01/02	04/10/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	259.7	241.6	267.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	21.99	0.08	10.58	0.04	9.62	0.04
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	ND	ND	ND	ND
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	132.23	0.51	40.96	0.17	882.95	3.31
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	63.20	0.24	26.82	0.11	52.20	0.20
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.81	0.01	ND	ND	1.90	0.01

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25542	25715	26014
<b>File I.D.</b>	ERG2911.D	ENG2945.D	ENG3079.D/3271.D
<b>Date Sampled</b>	02/01/02	02/13/02	02/25/02
<b>Date Analyzed</b>	02/27/02	03/01/02	04/10/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	259.7	241.6	267.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.36	0.01	U	ND	ND		15.88	0.06	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.74	0.01	U	0.65	0.003	U	13.91	0.05	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.75	0.01	U	0.74	0.003	U	12.01	0.04	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.11	0.02	U	1.84	0.01	U	26.75	0.10	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		1.98	0.01	U
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		13.85	0.05	
Pyrene	ND	ND		ND	ND		7.14	0.03	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		2.25	0.01	U
Chrysene	ND	ND		ND	ND		1.88	0.01	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

Sample I.D.	26239		26475		26582	
File I.D.	ENG3110.D		ENG3138.D		ENG3191	
Date Sampled	03/09/02		03/21/02		04/02/02	
Date Analyzed	04/12/02		04/12/02		05/30/02	
	Actual Vol (m³)	234.8	Actual Vol (m³)	255.5	Actual Vol (m³)	233.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	ND	ND		ND	ND		17.70	0.08
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	3.10	0.01	U	9.82	0.04	U	27.90	0.12
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	10.43	0.04	U	23.95	0.09		119.12	0.51
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	5.84	0.02	U	12.40	0.05	U	58.15	0.25
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	ND	ND		ND	ND		ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

Sample I.D.	26239			26475			26582	
File I.D.	ENG3110.D			ENG3138.D			ENG3191	
Date Sampled	03/09/02			03/21/02			04/02/02	
Date Analyzed	04/12/02			04/12/02			05/30/02	
	Actual Vol (m <sup>3</sup> )	234.8		Actual Vol (m <sup>3</sup> )	255.5		Actual Vol (m <sup>3</sup> )	233.5

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	ND	ND		ND	ND		3.04	0.013	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.75	0.003	U	0.74	0.003	U	3.09	0.013	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	0.30	0.001	U	0.89	0.003	U	2.62	0.011	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	0.78	0.003	U	1.04	0.004	U	4.61	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

Sample I.D.	26843
File I.D.	VOID
Date Sampled	04/14/02
Date Analyzed	VOID
	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine		
Pyridine		
Ethyl methanesulfonate		
2-Picoline		
N-Nitrosomethylethylamine		
Methyl methanesulfonate		
N-Nitrosodiethylamine		
Phenol		
Pentachloroethane		
bis (2-Chloroethyl)ether		
Aniline		
2-Chlorophenol		
1,3-Dichlorobenzene		
1,4-Dichlorobenzene		
Benzyl alcohol		
2-Methylphenol		
1,2-Dichlorobenzene		
bis(2-Chloroisopropyl)ether		
3&4-Methylphenol		
N-Nitrosopyrrolidine		
N-Nitrosodipropylamine		
o-Toluidine		
Hexachloroethane		
Acetophenone		
Nitrobenzene		
N-Nitrosopiperidine		
Isophorone		
2-Nitrophenol		
2,4-Dimethylphenol		
bis(2-Chloroethoxy)methane		
2,4-Dichlorophenol		
4-Chloroaniline		
1,2,4-Trichlorobenzene		
Naphthalene		
2,6-Dichlorophenol		
Hexachloropropene		
Hexachlorobutadiene		
N-Nitrosodibutylamine		
4-Chloro-3-methylphenol		
Safrole		
2-Methylnaphthalene		
1,2,4,5-Tetrachlorobenzene		
2,4,6-Trichlorophenol		
Hexachlorocyclopentadiene		
2,4,5-Trichlorophenol		
2-Nitroaniline		
Isosafrole		
2-Chloronaphthalene		
1,4-Naphthoquinone		
Dimethyl phthalate		
1,3-Dinitrobenzene		
2,6-Dinitrotoluene		
3-Nitroaniline		
Acenaphthylene		

# SemiVolatile Samples - Detroit, MI (South West HS - SWMI)

## 2002 Final Data Report

Sample I.D.	26843
File I.D.	VOID
Date Sampled	04/14/02
Date Analyzed	VOID
	Actual Vol (m <sup>3</sup> )

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol		
4-Nitrophenol		
Acenaphthene		
2,4-Dinitrotoluene		
2-Naphthylamine		
Dibenzofuran		
Pentachlorobenzene		
1-Naphthylamine		
Diethyl phthalate		
2,3,4,6-Tetrachlorophenol		
4-Nitroaniline		
4-Chlorophenyl-phenyl ether		
Fluorene		
5-Nitro-o-toluidine		
4,6-Dinitro-2-methylphenol		
Diphenylamine		
Azobenzene		
Phenacetin		
Diallate		
4-Bromophenyl phenyl ether		
4-Aminobiphenyl		
Hexachlorobenzene		
Pronamide		
Pentachlorophenol		
Pentachloronitrobenzene		
Phenanthrene		
Dinoseb		
Anthracene		
Carbazole		
Di-n-butyl phthalate		
Benzidine		
Isodrin		
Fluoranthene		
Pyrene		
4-Dimethylaminoazobenzene		
Chlorobenzilate		
3,3'-Dimethylbenzidine		
Butyl benzyl phthalate		
2-Acetylaminofluorene		
3-Methylcholanthrene		
3,3'-Dichlorobenzidine		
bis(2-Ethylhexyl)phthalate		
Benzo(a)anthracene		
Chrysene		
Di-n-octyl phthalate		
7,12-Dimethylbenz(a)anthracene		
Benzo(b)fluoranthene		
Benzo(k)fluoranthene		
Benzo(a)pyrene		
Indeno(1,2,3-cd)pyrene		
Dibenz(a,h)anthracene		
Benzo(g,h,i)perylene		

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	24956			25050			25186	
File I.D.	ENG2809.D			ENG2843.D/2949.D			ENG2872.D	
Date Sampled	01/02/02			01/08/02			01/14/02	
Date Analyzed	01/18/02			02/03/02			02/26/02	
	Actual Vol (m³)	240.4		Actual Vol (m³)	228.6		Actual Vol (m³)	233.6
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	ND	ND		ND	ND		ND	ND
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND
2-Picoline	ND	ND		ND	ND		ND	ND
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND
Phenol	18.71	0.08	U	33.97	0.15		ND	ND
Pentachloroethane	ND	ND		ND	ND		ND	ND
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND
Aniline	ND	ND		ND	ND		ND	ND
2-Chlorophenol	ND	ND		ND	ND		ND	ND
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND
1,4-Dichlorobenzene	26.00	0.11		10.29	0.05	U	ND	ND
Benzyl alcohol	ND	ND		ND	ND		ND	ND
2-Methylphenol	ND	ND		ND	ND		ND	ND
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND
3&4-Methylphenol	ND	ND		ND	ND		ND	ND
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND
o-Toluidine	ND	ND		ND	ND		ND	ND
Hexachloroethane	ND	ND		ND	ND		ND	ND
Acetophenone	ND	ND		ND	ND		ND	ND
Nitrobenzene	ND	ND		ND	ND		ND	ND
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND
Isophorone	ND	ND		ND	ND		ND	ND
2-Nitrophenol	ND	ND		ND	ND		ND	ND
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND
4-Chloroaniline	ND	ND		ND	ND		ND	ND
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND
Naphthalene	109.23	0.45		3254.06	14.24	D	ND	14.24
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND
Hexachloropropene	ND	ND		ND	ND		ND	ND
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND
Safrole	ND	ND		ND	ND		ND	ND
2-Methylnaphthalene	53.73	0.22		365.67	1.60		ND	ND
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND
2-Nitroaniline	ND	ND		ND	ND		ND	ND
Isosafrole	ND	ND		ND	ND		ND	ND
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND
Dimethyl phthalate	ND	ND		ND	ND		ND	ND
1,3-Dintrobenzene	ND	ND		ND	ND		ND	ND
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND
3-Nitroaniline	ND	ND		ND	ND		ND	ND
Acenaphthylene	1.96	0.01	U	4.96	0.02	U	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value



# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	24956			25050			25186		
File I.D.	ENG2809.D			ENG2843.D/2949.D			ENG2872.D		
Date Sampled	01/02/02			01/08/02			01/14/02		
Date Analyzed	01/18/02			02/03/02			02/26/02		
	Actual Vol (m³)	240.4		Actual Vol (m³)	228.6		Actual Vol (m³)	233.6	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.59	0.01	U	227.18	0.99		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.17	0.01	U	154.94	0.68		ND	ND	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.62	0.01	U	152.53	0.67		ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.97	0.02	U	192.03	0.84		ND	ND	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.53	0.00	U	42.02	0.18		ND	ND	
Carbazole	ND	ND		9.92	0.04	U	ND	ND	
Di-n-butyl phthalate	ND	ND		10.72	0.05	U	39.72	0.17	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	2.20	0.01	U	40.62	0.18		ND	ND	
Pyrene	2.20	0.01	U	40.28	0.18		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	0.99	0.004	U	5.05	0.02	U	ND	ND	
Chrysene	0.72	0.003	U	5.87	0.03	U	ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		3.63	0.02	U	ND	ND	
Benzo(k)fluoranthene	ND	ND		2.21	0.01	U	ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25289		25417		25548	
<b>File I.D.</b>	ENG2887.D		ENG2899.D/2950.D		ENG2916.D	
<b>Date Sampled</b>	01/20/02		01/26/02		02/01/02	
<b>Date Analyzed</b>	02/26/02		02/27/02		02/27/02	
	Actual Vol (m <sup>3</sup> )	246.8	Actual Vol (m <sup>3</sup> )	235.8	Actual Vol (m <sup>3</sup> )	247.4
<b>Compound</b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	190.38	0.81	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	32.09	0.14	ND	ND
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	35.15	0.14	72.52	0.31	26.85	0.11
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13.94	0.06	21.46	0.09	17.09	0.07
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	16.78	0.07	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	3.82	0.02	32.28	0.14	4.74	0.02
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	529.35	2.14	1173.35	4.98	522.11	2.11
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	67.90	0.28	183.32	0.78	85.86	0.35
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.61	0.01	17.82	0.08	3.83	0.02

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25289		25417		25548	
<b>File I.D.</b>	ENG2887.D		ENG2899.D/2950.D		ENG2916.D	
<b>Date Sampled</b>	01/20/02		01/26/02		02/01/02	
<b>Date Analyzed</b>	02/26/02		02/27/02		02/27/02	
	Actual Vol (m <sup>3</sup> )	246.8	Actual Vol (m <sup>3</sup> )	235.8	Actual Vol (m <sup>3</sup> )	247.4
<b>Compound</b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	23.72	0.10	52.75	0.22	6.74	0.03 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	19.99	0.08	47.96	0.20	9.12	0.04 U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	18.63	0.08	52.37	0.22	8.76	0.04 U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	46.96	0.19	88.23	0.37	15.21	0.06
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	13.66	0.06 U	1.62	0.01 U
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	18.52	0.08	15.15	0.06 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	26.09	0.11	27.61	0.12	4.11	0.02 U
Pyrene	19.38	0.08	18.02	0.08	3.30	0.01 U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	5.52	0.02	3.55	0.02 U	ND	ND
Chrysene	6.26	0.03 U	4.32	0.02 U	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	4.29	0.02 U	2.51	0.01 U	ND	ND
Benzo(k)fluoranthene	3.32	0.01 U	3.13	0.01 U	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25663	25719	25841
<b>File I.D.</b>	ENG2926.D	ENG2947.D	ENG3044.D
<b>Date Sampled</b>	02/07/02	02/13/02	02/19/02
<b>Date Analyzed</b>	02/28/02	03/01/02	03/28/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	284.1	291.8	273.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	30.98	0.11
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	ND	ND	12.50	0.05
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	1381.87	5.05
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	18.52	0.07	ND	ND	17.33	0.06
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	133.74	0.49
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	ND	ND	3.05	0.01	430.54	1.57
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	181.53	0.64	436.11	1.49	9813.79	35.84
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	53.25	0.19	91.83	0.31	1973.10	7.21
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.01	0.004	0.53	0.002	61.63	0.23

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	25663			25719			25841
<b>File I.D.</b>	ENG2926.D			ENG2947.D			ENG3044.D
<b>Date Sampled</b>	02/07/02			02/13/02			02/19/02
<b>Date Analyzed</b>	02/28/02			03/01/02			03/28/02
	Actual Vol (m <sup>3</sup> )	284.1		Actual Vol (m <sup>3</sup> )	291.8		Actual Vol (m <sup>3</sup> ) 273.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	7.03	0.02	U	19.21	0.07	U	457.82	1.67	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	7.12	0.03	U	13.52	0.05	U	310.19	1.13	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	6.28	0.02	U	12.14	0.04	U	251.62	0.92	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	13.31	0.05		26.35	0.09		481.15	1.76	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.96	0.003	U	3.80	0.01	U	76.49	0.28	
Carbazole	ND	ND		ND	ND		28.17	0.10	
Di-n-butyl phthalate	ND	ND		ND	ND		6.19	0.02	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	4.39	0.02	U	12.26	0.04		166.46	0.61	
Pyrene	3.69	0.01	U	10.38	0.04	U	91.22	0.33	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		2.86	0.01	U	17.43	0.06	
Chrysene	ND	ND		4.20	0.01	U	18.96	0.07	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		2.33	0.01	U	8.58	0.03	U
Benzo(k)fluoranthene	ND	ND		2.41	0.01	U	7.78	0.03	U
Benzo(a)pyrene	ND	ND		ND	ND		5.97	0.02	U
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26011	26107	26244
<b>File I.D.</b>	ENG3059.D/3285.D	ENG3092.D	ENG3116.D/3286.D
<b>Date Sampled</b>	02/25/02	03/03/02	03/09/02
<b>Date Analyzed</b>	03/29/02	04/11/02	04/12/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	231.8	304.1	210.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		30.02	0.14	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		21.17	0.10	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	136.18	0.59		29.03	0.10		702.50	3.34	D
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	9.37	0.04	U	6.00	0.02	U	ND	ND	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		54.68	0.26	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	12.17	0.05	U	ND	ND		194.26	0.92	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	6462.95	27.88	D	785.95	2.58		7755.30	36.83	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	412.17	1.78		66.28	0.22		831.85	3.95	D
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	4.73	0.02	U	1.04	0.003	U	14.29	0.07	U

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26011	26107	26244
<b>File I.D.</b>	ENG3059.D/3285.D	ENG3092.D	ENG3116.D/3286.D
<b>Date Sampled</b>	02/25/02	03/03/02	03/09/02
<b>Date Analyzed</b>	03/29/02	04/11/02	04/12/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	231.8	304.1	210.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	108.64	0.47	20.05	0.07 U	302.58	1.44
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	83.34	0.36	14.48	0.05 U	167.92	0.80
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	62.69	0.27	10.66	0.04 U	126.27	0.60
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallate	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	117.32	0.51	18.89	0.06	140.96	0.67
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	7.92	0.03 U	0.72	0.002 U	11.59	0.06 U
Carbazole	6.08	0.03 U	ND	ND	4.27	0.02 U
Di-n-butyl phthalate	9.67	0.04 U	3.05	0.01 U	10.37	0.05 U
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	38.54	0.17	4.32	0.01 U	33.02	0.16
Pyrene	22.11	0.10	2.66	0.01 U	16.80	0.08 U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	4.18	0.02	ND	ND	3.28	0.02 U
Chrysene	6.13	0.03 U	ND	ND	4.74	0.02 U
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	2.95	0.01 U	ND	ND	ND	ND
Benzo(k)fluoranthene	2.49	0.01 U	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26369	26481	26472
<b>File I.D.</b>	ENG3124.D/3287.D	ENG3145.D/3352.D	ENG3163.D/3320.D
<b>Date Sampled</b>	03/15/02	03/21/02	03/27/02
<b>Date Analyzed</b>	04/12/02	04/13/02	04/15/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	223.9	262.2	272.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		5.55	0.02	U
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	98.04	0.44		ND	ND		89.07	0.33	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	7.27	0.03	U	6.31	0.02	U	12.37	0.05	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		4.75	0.02	U
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	14.78	0.07	U	ND	ND		26.56	0.10	U
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	4493.75	20.07	D	1699.65	6.48	D	7415.24	27.18	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	228.01	1.02		120.03	0.46		841.00	3.08	D
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	3.03	0.01	U	0.80	0.003	U	2.73	0.01	U

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value



# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26369		26481		26472
<b>File I.D.</b>	ENG3124.D/3287.D		ENG3145.D/3352.D		ENG3163.D/3320.D
<b>Date Sampled</b>	03/15/02		03/21/02		03/27/02
<b>Date Analyzed</b>	04/12/02		04/13/02		04/15/02
	Actual Vol (m <sup>3</sup> )	223.9	Actual Vol (m <sup>3</sup> )	262.2	Actual Vol (m <sup>3</sup> ) 272.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	135.89	0.61	77.59	0.30	601.64	2.21
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	78.53	0.35	46.84	0.18	310.81	1.14
Pentachlorobenzene	ND	ND	ND	ND	ND	ND
1-Naphthylamine	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND	ND	ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND
Fluorene	68.35	0.31	40.74	0.16	288.90	1.06
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND
Diallyl	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND
Phenanthrene	160.19	0.72	55.36	0.21	438.70	1.61
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	12.57	0.06	3.76	0.01	40.24	0.15
Carbazole	6.72	0.03	1.92	0.01	11.29	0.04
Di-n-butyl phthalate	11.96	0.05	8.61	0.03	14.64	0.05
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	29.35	0.13	8.06	0.03	49.80	0.18
Pyrene	14.65	0.07	4.34	0.02	27.49	0.10
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND
Chlorobenzilate	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	2.43	0.01	ND	ND	ND	ND
Chrysene	2.84	0.01	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	26581		26692		26842	
<b>File I.D.</b>	ENG3190		ENG3202		ENG3217	
<b>Date Sampled</b>	04/02/02		04/08/02		04/14/02	
<b>Date Analyzed</b>	05/30/02		05/31/02		05/31/02	
	Actual Vol (m <sup>3</sup> )	315.3	Actual Vol (m <sup>3</sup> )	240.6	Actual Vol (m <sup>3</sup> )	264.2
<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	180.38	0.75	26.00	0.10
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND
2-Picoline	ND	ND	78.13	0.32	3.96	0.01
N-Nitrosomethylethylamine	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	ND	ND	ND	ND	ND	ND
Phenol	22.03	0.07	822.80	3.42	670.52	2.54
Pentachloroethane	ND	ND	ND	ND	ND	ND
bis (2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	14.24	0.06	17.07	0.06
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	101.22	0.42	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND
3&4-Methylphenol	2.27	0.01	434.14	1.80	280.20	1.06
N-Nitrosopyrrolidine	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	ND	ND	ND	ND	ND	ND
o-Toluidine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
N-Nitrosopiperidine	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	217.46	0.69	15023.83	62.45	12608.30	52.41
2,6-Dichlorophenol	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
N-Nitrosodibutylamine	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	63.77	0.20	999.24	4.15	1025.94	4.26
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
1,4-Naphthoquinone	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	40.09	0.17	47.60	0.18

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	26581			26692			26842		
File I.D.	ENG3190			ENG3202			ENG3217		
Date Sampled	04/02/02			04/08/02			04/14/02		
Date Analyzed	05/30/02			05/31/02			05/31/02		
	Actual Vol (m³)	315.3		Actual Vol (m³)	240.6		Actual Vol (m³)	264.2	
Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	10.85	0.034	U	248.07	1.031		485.48	1.84	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	10.07	0.032	U	196.10	0.815		343.54	1.300	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	12.48	0.040	U	170.42	0.708		375.80	1.422	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	22.70	0.07		209.50	0.87		454.80	1.72	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		23.32	0.10		86.73	0.33	
Carbazole	ND	ND		4.93	0.02	U	26.03	0.10	
Di-n-butyl phthalate	14.83	0.05	U	12.81	0.05	U	20.57	0.08	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	5.73	0.02	U	45.66	0.19		126.65	0.48	
Pyrene	2.71	0.01	U	18.69	0.08		62.68	0.24	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		3.35	0.01	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27000	27081	27493 FB
<b>File I.D.</b>	ENG3224	VOID	ENG3259
<b>Date Sampled</b>	04/20/02	04/26/02	05/14/02
<b>Date Analyzed</b>	05/31/02	VOID	06/28/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	282.0		NA

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND			ND	ND
Pyridine	ND	ND			ND	ND
Ethyl methanesulfonate	ND	ND			ND	ND
2-Picoline	ND	ND			ND	ND
N-Nitrosomethylethylamine	ND	ND			ND	ND
Methyl methanesulfonate	ND	ND			ND	ND
N-Nitrosodiethylamine	ND	ND			ND	ND
Phenol	ND	ND			ND	ND
Pentachloroethane	ND	ND			ND	ND
bis (2-Chloroethyl)ether	ND	ND			ND	ND
Aniline	ND	ND			ND	ND
2-Chlorophenol	ND	ND			ND	ND
1,3-Dichlorobenzene	ND	ND			ND	ND
1,4-Dichlorobenzene	11.75	0.04	U		ND	ND
Benzyl alcohol	ND	ND			ND	ND
2-Methylphenol	ND	ND			ND	ND
1,2-Dichlorobenzene	ND	ND			ND	ND
bis(2-Chloroisopropyl)ether	ND	ND			ND	ND
3&4-Methylphenol	ND	ND			ND	ND
N-Nitrosopyrrolidine	ND	ND			ND	ND
N-Nitrosodipropylamine	ND	ND			ND	ND
o-Toluidine	ND	ND			ND	ND
Hexachloroethane	ND	ND			ND	ND
Acetophenone	ND	ND			ND	ND
Nitrobenzene	ND	ND			ND	ND
N-Nitrosopiperidine	ND	ND			ND	ND
Isophorone	ND	ND			ND	ND
2-Nitrophenol	ND	ND			ND	ND
2,4-Dimethylphenol	ND	ND			ND	ND
bis(2-Chloroethoxy)methane	ND	ND			ND	ND
2,4-Dichlorophenol	ND	ND			ND	ND
4-Chloroaniline	ND	ND			ND	ND
1,2,4-Trichlorobenzene	ND	ND			ND	ND
Naphthalene	60.18	0.21			ND	ND
2,6-Dichlorophenol	ND	ND			ND	ND
Hexachloropropene	ND	ND			ND	ND
Hexachlorobutadiene	ND	ND			ND	ND
N-Nitrosodibutylamine	ND	ND			ND	ND
4-Chloro-3-methylphenol	ND	ND			ND	ND
Safrole	ND	ND			ND	ND
2-Methylnaphthalene	23.73	0.08			ND	ND
1,2,4,5-Tetrachlorobenzene	ND	ND			ND	ND
2,4,6-Trichlorophenol	ND	ND			ND	ND
Hexachlorocyclopentadiene	ND	ND			ND	ND
2,4,5-Trichlorophenol	ND	ND			ND	ND
2-Nitroaniline	ND	ND			ND	ND
Isosafrole	ND	ND			ND	ND
2-Chloronaphthalene	ND	ND			ND	ND
1,4-Naphthoquinone	ND	ND			ND	ND
Dimethyl phthalate	ND	ND			ND	ND
1,3-Dinitrobenzene	ND	ND			ND	ND
2,6-Dinitrotoluene	ND	ND			ND	ND
3-Nitroaniline	ND	ND			ND	ND
Acenaphthylene	ND	ND			ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27000	27081	27493 FB
<b>File I.D.</b>	ENG3224	VOID	ENG3259
<b>Date Sampled</b>	04/20/02	04/26/02	05/14/02
<b>Date Analyzed</b>	05/31/02	VOID	06/28/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	282.0		NA

Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>
2,4-Dinitrophenol	ND	ND					ND	ND
4-Nitrophenol	ND	ND					ND	ND
Acenaphthene	2.56	0.009	U				ND	ND
2,4-Dinitrotoluene	ND	ND					ND	ND
2-Naphthylamine	ND	ND					ND	ND
Dibenzofuran	3.34	0.01	U				ND	ND
Pentachlorobenzene	ND	ND					ND	ND
1-Naphthylamine	ND	ND					ND	ND
Diethyl phthalate	ND	ND					ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND					ND	ND
4-Nitroaniline	ND	ND					ND	ND
4-Chlorophenyl-phenyl ether	ND	ND					ND	ND
Fluorene	2.66	0.009	U				ND	ND
5-Nitro-o-toluidine	ND	ND					ND	ND
4,6-Dinitro-2-methylphenol	ND	ND					ND	ND
Diphenylamine	ND	ND					ND	ND
Azobenzene	ND	ND					ND	ND
Phenacetin	ND	ND					ND	ND
Diallyl	ND	ND					ND	ND
4-Bromophenyl phenyl ether	ND	ND					ND	ND
4-Aminobiphenyl	ND	ND					ND	ND
Hexachlorobenzene	ND	ND					ND	ND
Pronamide	ND	ND					ND	ND
Pentachlorophenol	ND	ND					ND	ND
Pentachloronitrobenzene	ND	ND					ND	ND
Phenanthrene	7.97	0.03	U				ND	ND
Dinoseb	ND	ND					ND	ND
Anthracene	ND	ND					ND	ND
Carbazole	ND	ND					ND	ND
Di-n-butyl phthalate	18.52	0.07					ND	ND
Benzidine	ND	ND					ND	ND
Isodrin	ND	ND					ND	ND
Fluoranthene	ND	ND					ND	ND
Pyrene	ND	ND					ND	ND
4-Dimethylaminoazobenzene	ND	ND					ND	ND
Chlorobenzilate	ND	ND					ND	ND
3,3'-Dimethylbenzidine	ND	ND					ND	ND
Butyl benzyl phthalate	ND	ND					ND	ND
2-Acetylaminofluorene	ND	ND					ND	ND
3-Methylcholanthrene	ND	ND					ND	ND
3,3'-Dichlorobenzidine	ND	ND					ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND					ND	ND
Benzo(a)anthracene	ND	ND					ND	ND
Chrysene	ND	ND					ND	ND
Di-n-octyl phthalate	ND	ND					ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND					ND	ND
Benzo(b)fluoranthene	ND	ND					ND	ND
Benzo(k)fluoranthene	ND	ND					ND	ND
Benzo(a)pyrene	ND	ND					ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND					ND	ND
Dibenz(a,h)anthracene	ND	ND					ND	ND
Benzo(g,h,i)perylene	ND	ND					ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	27492			27647 D1			27647 R1	
File I.D.	ENG3260			ENG3265			ENG3266	
Date Sampled	05/14/02			05/20/02			05/20/02	
Date Analyzed	06/28/02			06/29/02			06/29/02	
	Actual Vol (m³)	168.7		Actual Vol (m³)	167.0		Actual Vol (m³)	167.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		ND	ND		ND	ND	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	5.84	0.03	U	7.02	0.04	U	5.54	0.03	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	83.98	0.50		29.21	0.17		28.70	0.17	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	17.01	0.10	U	13.60	0.08	U	14.26	0.09	U
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	27492			27647 D1			27647 R1	
File I.D.	ENG3260			ENG3265			ENG3266	
Date Sampled	05/14/02			05/20/02			05/20/02	
Date Analyzed	06/28/02			06/29/02			06/29/02	
	Actual Vol (m³)	168.7		Actual Vol (m³)	167.0		Actual Vol (m³)	167.0

Compound	Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³		Final Conc (µg)	Final µg/m³	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	2.97	0.018	U	ND	ND		ND	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.23	0.01	U	1.34	0.01	U	ND	ND	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	2.19	0.013	U	1.27	0.008	U	ND	ND	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	5.47	0.03	U	2.67	0.02	U	2.62	0.02	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	120.23	0.71		21.93	0.13		22.09	0.13	
Benidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		ND	ND	
Pyrene	ND	ND		ND	ND		ND	ND	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND		ND	ND	
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(a,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27648 D2	27648 R2	27772 D1
<b>File I.D.</b>	ENG3267	ENG3268	VOID
<b>Date Sampled</b>	05/20/02	05/20/02	05/26/02
<b>Date Analyzed</b>	06/29/02	06/29/02	VOID
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	224.9	224.9	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND		ND	ND			
Pyridine	ND	ND		ND	ND			
Ethyl methanesulfonate	ND	ND		ND	ND			
2-Picoline	ND	ND		ND	ND			
N-Nitrosomethylethylamine	ND	ND		ND	ND			
Methyl methanesulfonate	ND	ND		ND	ND			
N-Nitrosodiethylamine	ND	ND		ND	ND			
Phenol	ND	ND		ND	ND			
Pentachloroethane	ND	ND		ND	ND			
bis (2-Chloroethyl)ether	ND	ND		ND	ND			
Aniline	ND	ND		ND	ND			
2-Chlorophenol	ND	ND		ND	ND			
1,3-Dichlorobenzene	ND	ND		ND	ND			
1,4-Dichlorobenzene	9.93	0.04	U	9.53	0.04	U		
Benzyl alcohol	ND	ND		ND	ND			
2-Methylphenol	ND	ND		ND	ND			
1,2-Dichlorobenzene	ND	ND		ND	ND			
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND			
3&4-Methylphenol	ND	ND		ND	ND			
N-Nitrosopyrrolidine	ND	ND		ND	ND			
N-Nitrosodipropylamine	ND	ND		ND	ND			
o-Toluidine	ND	ND		ND	ND			
Hexachloroethane	ND	ND		ND	ND			
Acetophenone	ND	ND		ND	ND			
Nitrobenzene	ND	ND		ND	ND			
N-Nitrosopiperidine	ND	ND		ND	ND			
Isophorone	ND	ND		ND	ND			
2-Nitrophenol	ND	ND		ND	ND			
2,4-Dimethylphenol	ND	ND		ND	ND			
bis(2-Chloroethoxy)methane	ND	ND		ND	ND			
2,4-Dichlorophenol	ND	ND		ND	ND			
4-Chloroaniline	ND	ND		ND	ND			
1,2,4-Trichlorobenzene	ND	ND		ND	ND			
Naphthalene	32.19	0.14		35.67	0.16			
2,6-Dichlorophenol	ND	ND		ND	ND			
Hexachloropropene	ND	ND		ND	ND			
Hexachlorobutadiene	ND	ND		ND	ND			
N-Nitrosodibutylamine	ND	ND		ND	ND			
4-Chloro-3-methylphenol	ND	ND		ND	ND			
Safrole	ND	ND		ND	ND			
2-Methylnaphthalene	17.74	0.08	U	18.29	0.08	U		
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND			
2,4,6-Trichlorophenol	ND	ND		ND	ND			
Hexachlorocyclopentadiene	ND	ND		ND	ND			
2,4,5-Trichlorophenol	ND	ND		ND	ND			
2-Nitroaniline	ND	ND		ND	ND			
Isosafrole	ND	ND		ND	ND			
2-Chloronaphthalene	ND	ND		ND	ND			
1,4-Naphthoquinone	ND	ND		ND	ND			
Dimethyl phthalate	ND	ND		ND	ND			
1,3-Dinitrobenzene	ND	ND		ND	ND			
2,6-Dinitrotoluene	ND	ND		ND	ND			
3-Nitroaniline	ND	ND		ND	ND			
Acenaphthylene	ND	ND		ND	ND			

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value



# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27648 D2	27648 R2	27772 D1
<b>File I.D.</b>	ENG3267	ENG3268	VOID
<b>Date Sampled</b>	05/20/02	05/20/02	05/26/02
<b>Date Analyzed</b>	06/29/02	06/29/02	VOID
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	224.9	224.9	

Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>
2,4-Dinitrophenol	ND	ND		ND	ND			
4-Nitrophenol	ND	ND		ND	ND			
Acenaphthene	ND	ND		ND	ND			
2,4-Dinitrotoluene	ND	ND		ND	ND			
2-Naphthylamine	ND	ND		ND	ND			
Dibenzofuran	0.84	0.00	U	ND	ND			
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	ND	ND		ND	ND			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	1.48	0.007	U	0.93	0.004	U		
5-Nitro-o-toluidine	ND	ND		ND	ND			
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND			
Diphenylamine	ND	ND		ND	ND			
Azobenzene	ND	ND		ND	ND			
Phenacetin	ND	ND		ND	ND			
Diallyl	ND	ND		ND	ND			
4-Bromophenyl phenyl ether	ND	ND		ND	ND			
4-Aminobiphenyl	ND	ND		ND	ND			
Hexachlorobenzene	ND	ND		ND	ND			
Pronamide	ND	ND		ND	ND			
Pentachlorophenol	ND	ND		ND	ND			
Pentachloronitrobenzene	ND	ND		ND	ND			
Phenanthrene	2.91	0.01	U	2.65	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzidine	ND	ND		ND	ND			
Isodrin	ND	ND		ND	ND			
Fluoranthene	ND	ND		ND	ND			
Pyrene	ND	ND		ND	ND			
4-Dimethylaminoazobenzene	ND	ND		ND	ND			
Chlorobenzilate	ND	ND		ND	ND			
3,3'-Dimethylbenzidine	ND	ND		ND	ND			
Butyl benzyl phthalate	ND	ND		ND	ND			
2-Acetylaminofluorene	ND	ND		ND	ND			
3-Methylcholanthrene	ND	ND		ND	ND			
3,3'-Dichlorobenzidine	ND	ND		ND	ND			
bis(2-Ethylhexyl)phthalate	ND	ND		ND	ND			
Benzo(a)anthracene	ND	ND		ND	ND			
Chrysene	ND	ND		ND	ND			
Di-n-octyl phthalate	ND	ND		ND	ND			
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND			
Benzo(b)fluoranthene	ND	ND		ND	ND			
Benzo(k)fluoranthene	ND	ND		ND	ND			
Benzo(a)pyrene	ND	ND		ND	ND			
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND			
Dibenz(a,h)anthracene	ND	ND		ND	ND			
Benzo(g,h,i)perylene	ND	ND		ND	ND			

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27773 D2			27806 D1			27807 D2
<b>File I.D.</b>	ENG3278			ENG3340			ENG3341
<b>Date Sampled</b>	05/26/02			06/01/02			06/01/02
<b>Date Analyzed</b>	06/29/02			07/25/02			07/26/02
	Actual Vol (m <sup>3</sup> )	251.9		Actual Vol (m <sup>3</sup> )	238.9		Actual Vol (m <sup>3</sup> ) 277.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	40.51	0.16		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	20.27	0.08		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	644.98	2.56		6.19	0.03	U	5.23	0.02	U
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.63	0.07		15.23	0.06	U	15.35	0.06	U
Benzyl alcohol	ND	ND		19.21	0.08		20.18	0.07	
2-Methylphenol	53.08	0.21		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	280.72	1.11		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		14.25	0.06		15.89	0.06	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	14319.30	26.33	D	662.17	1.11	D	754.24	1.01	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	1302.50	5.28		77.91	0.33		85.00	0.31	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	39.16	0.16		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27773 D2			27806 D1			27807 D2
<b>File I.D.</b>	ENG3278			ENG3340			ENG3341
<b>Date Sampled</b>	05/26/02			06/01/02			06/01/02
<b>Date Analyzed</b>	06/29/02			07/25/02			07/26/02
	Actual Vol (m <sup>3</sup> )	251.9		Actual Vol (m <sup>3</sup> )	238.9		Actual Vol (m <sup>3</sup> ) 277.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	436.21	1.732		41.42	0.173		44.97	0.162	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	347.56	1.38		35.97	0.15		37.67	0.14	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		ND	ND	
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	344.82	1.369		30.51	0.128		32.83	0.118	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	360.12	1.43		49.26	0.21		58.60	0.21	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	37.58	0.15		1.87	0.01	U	1.96	0.01	U
Carbazole	11.21	0.04	U	1.59	0.01	U	1.67	0.01	U
Di-n-butyl phthalate	ND	ND		36.11	0.15		ND	ND	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	61.39	0.24		10.70	0.04	U	15.88	0.06	
Pyrene	35.92	0.14		3.76	0.02	U	5.09	0.02	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	ND	ND		2.48	0.01	U	2.78	0.01	U
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND	
Chrysene	ND	ND		ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27936 D1			27937 D2			28051 D1
<b>File I.D.</b>	ENG3355			ENG3356			ENG3342
<b>Date Sampled</b>	06/07/02			06/07/02			06/13/02
<b>Date Analyzed</b>	08/02/02			08/02/02			07/26/02
	Actual Vol (m <sup>3</sup> )	258.2		Actual Vol (m <sup>3</sup> )	274.5		Actual Vol (m <sup>3</sup> ) 241.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	24.94	0.10		11.18	0.04	U	ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	9.40	0.04	U	6.05	0.02	U	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	130.69	0.51		149.71	0.55		12.39	0.05	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	40.95	0.16		41.54	0.15		10.03	0.04	U
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	57.64	0.22		75.45	0.27		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		12.86	0.05	U
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	4505.50	5.84	D	5302.12	7.43	D	44.01	0.18	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	318.57	1.33	D	339.98	1.80	D	28.86	0.12	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	4.32	0.02		5.17	0.02		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	27936 D1		27937 D2		28051 D1	
<b>File I.D.</b>	ENG3355		ENG3356		ENG3342	
<b>Date Sampled</b>	06/07/02		06/07/02		06/13/02	
<b>Date Analyzed</b>	08/02/02		08/02/02		07/26/02	
	Actual Vol (m <sup>3</sup> )	258.2	Actual Vol (m <sup>3</sup> )	274.5	Actual Vol (m <sup>3</sup> )	241.6

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	
Acenaphthene	89.81	0.348	109.53	0.399	3.51	0.015	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	
2-Naphthylamine	ND	ND	ND	ND	ND	ND	
Dibenzofuran	68.17	0.26	83.09	0.30	3.67	0.02	U
Pentachlorobenzene	ND	ND	ND	ND	ND	ND	
1-Naphthylamine	ND	ND	ND	ND	ND	ND	
Diethyl phthalate	ND	ND	2.05	0.01	ND	ND	U
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ND	ND	ND	
4-Nitroaniline	ND	ND	ND	ND	ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	
Fluorene	66.02	0.256	77.44	0.282	4.85	0.020	U
5-Nitro-o-toluidine	ND	ND	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	
Diphenylamine	ND	ND	ND	ND	ND	ND	
Azobenzene	ND	ND	ND	ND	ND	ND	
Phenacetin	ND	ND	ND	ND	ND	ND	
Diallyl	ND	ND	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	
4-Aminobiphenyl	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	
Pronamide	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	ND	ND	ND	ND	ND	ND	
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND	
Phenanthrene	89.52	0.35	105.76	0.39	10.62	0.04	U
Dinoseb	ND	ND	ND	ND	ND	ND	
Anthracene	9.11	0.04	11.19	0.04	ND	ND	
Carbazole	3.65	0.01	3.59	0.01	ND	ND	U
Di-n-butyl phthalate	22.20	0.09	2.68	0.01	ND	ND	U
Benzidine	ND	ND	ND	ND	ND	ND	
Isodrin	ND	ND	ND	ND	ND	ND	
Fluoranthene	21.16	0.08	28.98	0.11	2.94	0.01	U
Pyrene	9.06	0.04	11.40	0.04	1.66	0.01	U
4-Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND	
Chlorobenzilate	ND	ND	ND	ND	ND	ND	
3,3'-Dimethylbenzidine	ND	ND	ND	ND	ND	ND	
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	
2-Acetylaminofluorene	ND	ND	ND	ND	ND	ND	
3-Methylcholanthrene	ND	ND	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	23.97	0.09	6.40	0.02	18.40	0.08	U
Benzo(a)anthracene	1.07	0.00	1.36	0.00	ND	ND	U
Chrysene	1.89	0.01	2.52	0.01	ND	ND	U
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND	1.30	0.00	ND	ND	U
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	28052 D2			28208 D1			28209 D2
<b>File I.D.</b>	ENG3343			ENG3344			ENG3345
<b>Date Sampled</b>	06/13/02			06/19/02			06/19/02
<b>Date Analyzed</b>	07/26/02			07/26/02			07/26/02
	Actual Vol (m <sup>3</sup> )	238.0		Actual Vol (m <sup>3</sup> )	243.4		Actual Vol (m <sup>3</sup> ) 215.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	9.26	0.04	U	6.26	0.03	U
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	2.99	0.01	U	3.21	0.01	U
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	11.05	0.05	100.47	0.41		100.92	0.47	
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	9.25	0.04	5.74	0.02		5.82	0.03	
Benzyl alcohol	ND	ND	ND	ND		ND	ND	
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	40.85	0.17		40.43	0.19	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	10.32	0.04	35.12	0.14		36.87	0.17	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	43.68	0.18	5783.55	9.73	D	6197.17	10.96	D
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	30.64	0.13	309.35	1.89	D	318.55	2.13	D
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	ND	ND	4.33	0.02		4.79	0.02	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	28052 D2			28208 D1			28209 D2
<b>File I.D.</b>	ENG3343			ENG3344			ENG3345
<b>Date Sampled</b>	06/13/02			06/19/02			06/19/02
<b>Date Analyzed</b>	07/26/02			07/26/02			07/26/02
	Actual Vol (m <sup>3</sup> )	238.0		Actual Vol (m <sup>3</sup> )	243.4		Actual Vol (m <sup>3</sup> ) 215.4

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND
4-Nitrophenol	ND	ND		ND	ND		ND	ND
Acenaphthene	3.68	0.015	U	99.59	0.409		98.78	0.459
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND
2-Naphthylamine	ND	ND		ND	ND		ND	ND
Dibenzofuran	3.71	0.02		95.48	0.39		97.02	0.45
Pentachlorobenzene	ND	ND		ND	ND		ND	ND
1-Naphthylamine	ND	ND		ND	ND		ND	ND
Diethyl phthalate	ND	ND		ND	ND		ND	ND
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND
4-Nitroaniline	ND	ND		ND	ND		ND	ND
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND
Fluorene	3.97	0.017	U	89.01	0.366		89.61	0.416
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND
Diphenylamine	ND	ND		ND	ND		ND	ND
Azobenzene	ND	ND		ND	ND		ND	ND
Phenacetin	ND	ND		ND	ND		ND	ND
Diallyl	ND	ND		ND	ND		ND	ND
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND
Hexachlorobenzene	ND	ND		ND	ND		ND	ND
Pronamide	ND	ND		ND	ND		ND	ND
Pentachlorophenol	ND	ND		ND	ND		ND	ND
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND
Phenanthrene	9.74	0.04		141.27	0.58		138.25	0.64
Dinoseb	ND	ND		ND	ND		ND	ND
Anthracene	ND	ND		8.85	0.04		8.19	0.04
Carbazole	ND	ND		5.41	0.02	U	5.49	0.03
Di-n-butyl phthalate	22.05	0.09		ND	ND		46.52	0.22
Benidine	ND	ND		ND	ND		ND	ND
Isodrin	ND	ND		ND	ND		ND	ND
Fluoranthene	2.36	0.01	U	36.42	0.15		37.61	0.17
Pyrene	1.24	0.01	U	14.96	0.06		13.74	0.06
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND
Chlorobenzilate	ND	ND		ND	ND		ND	ND
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND
bis(2-Ethylhexyl)phthalate	18.80	0.08		17.67	0.07		16.53	0.08
Benzo(a)anthracene	ND	ND		ND	ND		ND	ND
Chrysene	ND	ND		ND	ND		ND	ND
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	28390 D1		28391 D2		28525 D1	
File I.D.	ENG3353		ENG3354		ENG3360	
Date Sampled	06/25/02		06/25/02		07/01/02	
Date Analyzed	08/02/02		08/02/02		08/02/02	
	Actual Vol (m³)	286.8	Actual Vol (m³)	239.8	Actual Vol (m³)	222.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	2.73	0.01	U	5.50	0.02	U	ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	6.31	0.02	U	8.32	0.03	U	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	154.14	0.54		145.36	0.61		41.02	0.185	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	33.13	0.12		33.34	0.14		17.98	0.081	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	109.28	0.38		75.08	0.31		47.16	0.212	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	20142.78	43.17	D	20206.96	43.29	D	6368.34	28.686	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	3207.69	11.18	E	2621.09	10.93	E	833.42	3.751	E
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	10.88	0.04		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	10.75	0.04		11.38	0.05		4.98	0.022	

D - Dilution  
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# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	28390 D1			28391 D2			28525 D1		
<b>File I.D.</b>	ENG3353			ENG3354			ENG3360		
<b>Date Sampled</b>	06/25/02			06/25/02			07/01/02		
<b>Date Analyzed</b>	08/02/02			08/02/02			08/02/02		
	Actual Vol (m <sup>3</sup> )	286.8		Actual Vol (m <sup>3</sup> )	239.8		Actual Vol (m <sup>3</sup> )	222.0	

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	240.48	0.838	E	231.88	0.967	E	196.09	0.882	E
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	194.80	0.68	E	195.49	0.82	E	174.22	0.784	E
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.91	0.01	U	2.71	0.01	U	2.47	0.011	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	185.15	0.646	E	179.33	0.748	E	157.12	0.707	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	296.57	1.03	E	289.22	1.21	E	257.28	1.158	E
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	32.06	0.11		34.37	0.14		26.22	0.118	
Carbazole	16.97	0.06		17.10	0.07		19.72	0.089	
Di-n-butyl phthalate	114.27	0.40		10.21	0.04		6.17	0.028	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	106.95	0.37		107.86	0.45		93.55	0.421	
Pyrene	39.72	0.14		40.18	0.17		33.23	0.150	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	8.25	0.03		7.96	0.03		25.44	0.114	
Benzo(a)anthracene	2.62	0.01	U	3.43	0.01	U	2.19	0.010	U
Chrysene	4.41	0.02	U	5.30	0.02	U	4.50	0.020	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	2.25	0.01	U	3.08	0.01	U	ND	ND	
Benzo(k)fluoranthene	1.24	0.00	U	1.48	0.01	U	ND	ND	
Benzo(a)pyrene	1.78	0.01	U	2.45	0.01	U	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	28524 D2		28529 D1		28530 D2	
File I.D.	ENG3361		ENG3381		ENG3382	
Date Sampled	07/01/02		07/07/02		07/07/02	
Date Analyzed	08/02/02		08/03/02		08/03/02	
	Actual Vol (m <sup>3</sup> )	232.8	Actual Vol (m <sup>3</sup> )	228.1	Actual Vol (m <sup>3</sup> )	226.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		1.61	0.007	U	1.50	0.007	U
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	37.11	0.159		146.69	0.643		137.37	0.607	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.85	0.081		59.37	0.260		58.32	0.258	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	37.71	0.162		86.03	0.377		74.65	0.330	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	2806.84	12.057		10194.58	44.693		10750.79	47.507	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	770.06	3.308	E	1186.15	5.200		955.90	4.224	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		5.12	0.023	U
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	3.53	0.015	U	13.47	0.059		13.66	0.060	

D - Dilution  
 ND - Not Detected  
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 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	28524 D2		28529 D1		28530 D2	
File I.D.	ENG3361		ENG3381		ENG3382	
Date Sampled	07/01/02		07/07/02		07/07/02	
Date Analyzed	08/02/02		08/03/02		08/03/02	
	Actual Vol (m³)	232.8	Actual Vol (m³)	228.1	Actual Vol (m³)	226.3

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	8.18	0.035		ND	ND		ND	ND	
Acenaphthene	166.85	0.717	E	190.66	0.836		183.52	0.811	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	163.34	0.702	E	169.62	0.744		158.27	0.699	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.78	0.012	U	3.13	0.014	U	2.22	0.010	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	140.16	0.602		152.63	0.669		156.11	0.690	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	221.85	0.953	E	274.62	1.204		250.20	1.106	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	17.50	0.075		48.36	0.212		42.96	0.190	
Carbazole	14.97	0.064		15.60	0.068		13.00	0.057	
Di-n-butyl phthalate	98.81	0.424		66.30	0.291		2.72	0.012	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	75.60	0.325		88.16	0.386		77.54	0.343	
Pyrene	29.97	0.129		44.51	0.195		41.78	0.185	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	7.82	0.034		5.82	0.025		4.25	0.019	U
Benzo(a)anthracene	1.40	0.006	U	3.44	0.015	U	2.82	0.012	U
Chrysene	3.46	0.015	U	5.72	0.025	U	4.41	0.019	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		3.45	0.015	U	ND	ND	
Benzo(k)fluoranthene	ND	ND		2.42	0.011	U	ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
ND - Not Detected  
U - Under Detection Limit  
E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	28666 D1			28667 D2			28787 D1		
<b>File I.D.</b>	ENG3460			ENG3459			ENG3461		
<b>Date Sampled</b>	07/13/02			07/13/02			07/19/02		
<b>Date Analyzed</b>	09/05/02			09/05/02			09/05/02		
	Actual Vol (m <sup>3</sup> )	256.9		Actual Vol (m <sup>3</sup> )	254.0		Actual Vol (m <sup>3</sup> )	201.6	
<b><u>Compound</u></b>	<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>		<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>		<b><u>Final Conc (µg)</u></b>	<b><u>Final µg/m<sup>3</sup></u></b>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	18.16	0.071		28.71	0.113		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	1.67	0.007	U	5.32	0.021	U	ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	176.09	0.688	E	174.68	0.688	E	47.74	0.237	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	69.46	0.271		71.44	0.281		20.10	0.100	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	65.21	0.255		69.91	0.275		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	4449.23	17.319	D	4943.73	19.463	D	243.47	1.208	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	452.10	1.766	E	561.98	2.213	E	42.66	0.212	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	4.84	0.019		4.78	0.019		1.54	0.008	U

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	28666 D1			28667 D2			28787 D1		
<b>File I.D.</b>	ENG3460			ENG3459			ENG3461		
<b>Date Sampled</b>	07/13/02			07/13/02			07/19/02		
<b>Date Analyzed</b>	09/05/02			09/05/02			09/05/02		
	Actual Vol (m <sup>3</sup> )	256.9		Actual Vol (m <sup>3</sup> )	254.0		Actual Vol (m <sup>3</sup> )	201.6	
<b>Compound</b>	<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>		<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>		<b>Final Conc (µg)</b>	<b>Final µg/m<sup>3</sup></b>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	137.78	0.538		143.35	0.564		8.38	0.042	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	116.64	0.456		128.93	0.508		12.50	0.062	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	3.69	0.014	U	3.80	0.015	U	1.70	0.008	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	5.25	0.020	U	ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	100.42	0.392		109.28	0.430		9.37	0.046	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	153.77	0.601		156.20	0.615		19.73	0.098	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	24.43	0.095		24.93	0.098		0.89	0.004	U
Carbazole	10.77	0.042		13.62	0.054		1.06	0.005	U
Di-n-butyl phthalate	4.68	0.018	U	58.80	0.231		62.57	0.310	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	52.60	0.205		56.32	0.222		5.38	0.027	
Pyrene	33.97	0.133		38.47	0.151		3.46	0.017	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.64	0.014	U	3.58	0.014	U	3.69	0.018	U
Benzo(a)anthracene	1.84	0.007	U	2.01	0.008	U	0.23	0.001	U
Chrysene	3.19	0.012	U	3.43	0.014	U	0.68	0.003	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	3.02	0.012	U	4.15	0.016	U	0.27	0.001	U
Benzo(k)fluoranthene	3.17	0.012	U	3.04	0.012	U	0.16	0.001	U
Benzo(a)pyrene	1.18	0.005	U	1.33	0.005	U	ND	ND	
Indeno(1,2,3-cd)pyrene	1.78	0.007	U	2.21	0.009	U	ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	2.34	0.009	U	2.26	0.009	U	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	28788 D2		28938		29029 D1	
File I.D.	ENG3462		ENG3463		ENG3464	
Date Sampled	07/19/02		07/25/02		07/31/02	
Date Analyzed	09/05/02		09/05/02		09/05/02	
	Actual Vol (m³)	230.9	Actual Vol (m³)	254.6	Actual Vol (m³)	198.8

Compound	Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>		Final Conc (µg)	Final µg/m <sup>3</sup>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	42.86	0.186		47.13	0.185		33.60	0.147	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.02	0.078		6.35	0.025		19.18	0.084	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		14.26	0.056		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	263.54	1.141	D	1449.71	5.694	D	2187.44	11.003	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	47.91	0.208		109.26	0.429		250.50	1.099	E
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorphenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.84	0.008	U	3.54	0.014	U	1.96	0.009	U

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	28788 D2		28938		29029 D1	
File I.D.	ENG3462		ENG3463		ENG3464	
Date Sampled	07/19/02		07/25/02		07/31/02	
Date Analyzed	09/05/02		09/05/02		09/05/02	
	Actual Vol (m³)	230.9	Actual Vol (m³)	254.6	Actual Vol (m³)	198.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	10.13	0.044		59.96	0.236		82.97	0.364	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	13.86	0.060		42.20	0.166		71.31	0.313	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	1.94	0.008	U	1.18	0.005	U	2.34	0.010	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	10.80	0.047		40.71	0.160		55.95	0.245	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	22.79	0.099		60.27	0.237		94.04	0.412	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.84	0.004	U	10.05	0.039		10.34	0.045	
Carbazole	1.27	0.006	U	3.55	0.014	U	5.95	0.026	
Di-n-butyl phthalate	2.80	0.012	U	33.13	0.130		65.44	0.287	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	7.38	0.032		16.08	0.063		28.50	0.125	
Pyrene	4.68	0.020	U	10.82	0.043		18.21	0.080	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.52	0.015	U	2.46	0.010	U	4.38	0.019	U
Benzo(a)anthracene	0.26	0.001	U	0.57	0.002	U	1.20	0.005	U
Chrysene	0.72	0.003	U	0.94	0.004	U	2.19	0.010	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		0.23	0.001	U	1.21	0.005	U
Benzo(k)fluoranthene	ND	ND		0.26	0.001	U	0.95	0.004	U
Benzo(a)pyrene	ND	ND		ND	ND		0.63	0.003	U
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		0.62	0.003	U
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		0.72	0.003	U

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	29030 D2	29117 D1	29118 D2
<b>File I.D.</b>	ENG3465	ENG3506	ENG3507
<b>Date Sampled</b>	07/31/02	08/06/02	08/06/02
<b>Date Analyzed</b>	09/05/02	10/03/02	10/03/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	228.0	218.2	249.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	ND	ND		ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	ND	ND		6.64	0.030	U	6.24	0.029	U
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	18.82	0.083		8.39	0.038		8.97	0.041	
Benzyl alcohol	ND	ND		ND	ND		ND	ND	
2-Methylphenol	ND	ND		ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	ND	ND		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		7.28	0.033	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	3291.00	14.434	D	40.61	0.186		45.25	0.207	
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	193.27	0.848	E	20.85	0.096		23.49	0.108	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	2.33	0.010	U	ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value



# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	29030 D2			29117 D1			29118 D2
<b>File I.D.</b>	ENG3465			ENG3506			ENG3507
<b>Date Sampled</b>	07/31/02			08/06/02			08/06/02
<b>Date Analyzed</b>	09/05/02			10/03/02			10/03/02
	Actual Vol (m <sup>3</sup> )	228.0		Actual Vol (m <sup>3</sup> )	218.2		Actual Vol (m <sup>3</sup> ) 249.0

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	83.88	0.368		1.96	0.009	U	2.46	0.011	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	79.55	0.349		2.23	0.010	U	2.73	0.012	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.30	0.010	U	1.83	0.008	U	2.13	0.010	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	55.85	0.245		2.00	0.009	U	2.73	0.013	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	91.82	0.403		6.06	0.028		7.31	0.033	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	8.32	0.036		0.15	0.001	U	0.22	0.001	U
Carbazole	5.04	0.022	U	ND	ND		ND	ND	
Di-n-butyl phthalate	3.18	0.014	U	2.10	0.010	U	36.72	0.168	
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	24.05	0.105		1.58	0.007	U	2.22	0.010	U
Pyrene	14.01	0.061		1.09	0.005	U	1.40	0.006	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	4.10	0.018	U	2.25	0.010	U	3.06	0.014	U
Benzo(a)anthracene	0.86	0.004	U	ND	ND		ND	ND	
Chrysene	1.79	0.008	U	ND	ND		ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	1.01	0.004	U	ND	ND		ND	ND	
Benzo(k)fluoranthene	0.76	0.003	U	ND	ND		ND	ND	
Benzo(a)pyrene	0.61	0.003	U	ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	29214 D1		29215 D2		29275 D1	
File I.D.	ENG3508		ENG3509		ENG3513	
Date Sampled	08/12/02		08/12/02		08/19/02	
Date Analyzed	10/03/02		10/03/02		10/04/02	
	Actual Vol (m <sup>3</sup> )	214.8	Actual Vol (m <sup>3</sup> )	222.4	Actual Vol (m <sup>3</sup> )	209.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	4.60	0.021	U	7.24	0.033	U	2.75	0.013	U
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	115.93	0.540		122.20	0.549		27.99	0.133	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	11.79	0.055		11.25	0.051		13.95	0.066	
Benzyl alcohol	4.37	0.020	U	5.87	0.026	U	3.68	0.018	U
2-Methylphenol	11.41	0.053		14.90	0.067		2.92	0.014	U
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	67.18	0.313		78.96	0.355		15.37	0.073	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	ND	ND		ND	ND		18.45	0.088	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	16691.94	77.709	D	14461.46	65.025	D	2831.24	13.489	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	1660.44	7.730	E	1885.34	8.477		246.13	1.173	E
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	5.97	0.028		5.77	0.026		1.73	0.008	U

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	29214 D1		29215 D2		29275 D1	
File I.D.	ENG3508		ENG3509		ENG3513	
Date Sampled	08/12/02		08/12/02		08/19/02	
Date Analyzed	10/03/02		10/03/02		10/04/02	
	Actual Vol (m <sup>3</sup> )	214.8	Actual Vol (m <sup>3</sup> )	222.4	Actual Vol (m <sup>3</sup> )	209.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	229.19	1.067	E	250.72	1.127	E	95.84	0.457	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	199.93	0.931	E	214.83	0.966	E	82.87	0.395	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	1.91	0.009	U	2.30	0.010	U	3.20	0.015	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		6.38	0.029		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	151.15	0.704		162.12	0.729	E	64.22	0.306	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallate	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	203.77	0.949	E	215.03	0.967	E	87.04	0.415	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	35.29	0.164		46.75	0.210		8.35	0.040	
Carbazole	27.15	0.126		29.11	0.131		5.04	0.024	U
Di-n-butyl phthalate	2.12	0.010	U	46.81	0.210		2.91	0.014	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		5.67	0.025		ND	ND	
Fluoranthene	79.47	0.370		86.49	0.389		22.51	0.107	
Pyrene	56.48	0.263		79.87	0.359		11.72	0.056	
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	3.28	0.015	U	145.92	0.656		2.97	0.014	U
Benzo(a)anthracene	6.28	0.029		8.89	0.040		0.60	0.003	U
Chrysene	11.17	0.052		15.00	0.067		1.13	0.005	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	10.29	0.048		9.35	0.042		0.47	0.002	U
Benzo(k)fluoranthene	6.90	0.032		8.56	0.038		0.80	0.004	U
Benzo(a)pyrene	4.26	0.020		4.16	0.019		ND	ND	
Indeno(1,2,3-cd)pyrene	4.46	0.021	U	6.14	0.028	U	ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	4.85	0.023	U	6.11	0.027		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	29276 D2		29404 D1		29405 D2	
File I.D.	ENG3514		ENG3511		ENG3512	
Date Sampled	08/19/02		08/24/02		08/24/02	
Date Analyzed	10/04/02		10/03/02		10/03/02	
	Actual Vol (m <sup>3</sup> )	240.7	Actual Vol (m <sup>3</sup> )	207.2	Actual Vol (m <sup>3</sup> )	227.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND	
Pyridine	2.87	0.012	U	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND		ND	ND		ND	ND	
2-Picoline	ND	ND		ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND		ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND		ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND		ND	ND		ND	ND	
Phenol	24.66	0.102		12.79	0.062		14.23	0.062	
Pentachloroethane	ND	ND		ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND		ND	ND		ND	ND	
Aniline	ND	ND		ND	ND		ND	ND	
2-Chlorophenol	ND	ND		ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
1,4-Dichlorobenzene	12.22	0.051		27.37	0.132		29.95	0.132	
Benzyl alcohol	3.10	0.013	U	8.33	0.040	U	7.87	0.035	U
2-Methylphenol	2.31	0.010	U	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND		ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND		ND	ND		ND	ND	
3&4-Methylphenol	12.57	0.052		ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND		ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND		ND	ND		ND	ND	
o-Toluidine	ND	ND		ND	ND		ND	ND	
Hexachloroethane	ND	ND		ND	ND		ND	ND	
Acetophenone	15.00	0.062		15.78	0.076		ND	ND	
Nitrobenzene	ND	ND		ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND		ND	ND		ND	ND	
Isophorone	ND	ND		ND	ND		ND	ND	
2-Nitrophenol	ND	ND		ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND		ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND		ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND		ND	ND		ND	ND	
4-Chloroaniline	ND	ND		ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND		ND	ND		ND	ND	
Naphthalene	2296.60	9.541	D	567.38	2.738	D	516.42	2.268	D
2,6-Dichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachloropropene	ND	ND		ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND		ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND		ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND		ND	ND		ND	ND	
Safrole	ND	ND		ND	ND		ND	ND	
2-Methylnaphthalene	204.63	0.850	E	64.73	0.312		69.42	0.305	
1,2,4,5-Tetrachlorobenzene	ND	ND		ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND		ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND		ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND		ND	ND		ND	ND	
2-Nitroaniline	ND	ND		ND	ND		ND	ND	
Isosafrole	ND	ND		ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND		ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND		ND	ND		ND	ND	
Dimethyl phthalate	ND	ND		ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND		ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
3-Nitroaniline	ND	ND		ND	ND		ND	ND	
Acenaphthylene	1.55	0.006	U	3.10	0.015	U	3.63	0.016	U

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	29276 D2			29404 D1			29405 D2
<b>File I.D.</b>	ENG3514			ENG3511			ENG3512
<b>Date Sampled</b>	08/19/02			08/24/02			08/24/02
<b>Date Analyzed</b>	10/04/02			10/03/02			10/03/02
	Actual Vol (m <sup>3</sup> )	240.7		Actual Vol (m <sup>3</sup> )	207.2		Actual Vol (m <sup>3</sup> ) 227.7

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	86.05	0.358		6.95	0.034		7.98	0.035	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	73.32	0.305		7.44	0.036		8.37	0.037	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	2.18	0.009	U	2.64	0.013	U	3.61	0.016	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	57.22	0.238		6.13	0.030		7.57	0.033	
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	82.72	0.344		15.19	0.073		15.52	0.068	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	7.86	0.033		0.71	0.003	U	0.76	0.003	U
Carbazole	4.34	0.018	U	0.83	0.004	U	0.90	0.004	U
Di-n-butyl phthalate	39.50	0.164		28.31	0.137		3.55	0.016	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	21.43	0.089		4.53	0.022		5.22	0.023	
Pyrene	11.62	0.048		2.55	0.012	U	4.91	0.022	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	2.78	0.012	U	4.82	0.023	U	635.06	2.789	
Benzo(a)anthracene	0.80	0.003	U	ND	ND		ND	ND	
Chrysene	1.46	0.006	U	0.39	0.002	U	ND	ND	
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	0.82	0.003	U	ND	ND		ND	ND	
Benzo(k)fluoranthene	0.73	0.003	U	ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	29603 D1	29604 D2	29683 D1
<b>File I.D.</b>	ENG3517	VOID	ENG3518
<b>Date Sampled</b>	08/30/02	08/30/02	09/05/02
<b>Date Analyzed</b>	10/04/02	VOID	10/04/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m3)
	203.9		227.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
N-Nitrosodimethylamine	ND	ND			ND	ND
Pyridine	ND	ND			ND	ND
Ethyl methanesulfonate	ND	ND			ND	ND
2-Picoline	ND	ND			ND	ND
N-Nitrosomethylethylamine	ND	ND			ND	ND
Methyl methanesulfonate	ND	ND			ND	ND
N-Nitrosodiethylamine	ND	ND			ND	ND
Phenol	34.02	0.167			4.00	0.018
Pentachloroethane	ND	ND			ND	ND
bis (2-Chloroethyl)ether	ND	ND			ND	ND
Aniline	ND	ND			ND	ND
2-Chlorophenol	ND	ND			ND	ND
1,3-Dichlorobenzene	ND	ND			ND	ND
1,4-Dichlorobenzene	41.19	0.202			21.72	0.096
Benzyl alcohol	6.73	0.033	U		ND	ND
2-Methylphenol	ND	ND			ND	ND
1,2-Dichlorobenzene	ND	ND			ND	ND
bis(2-Chloroisopropyl)ether	ND	ND			ND	ND
3&4-Methylphenol	ND	ND			ND	ND
N-Nitrosopyrrolidine	ND	ND			ND	ND
N-Nitrosodipropylamine	ND	ND			ND	ND
o-Toluidine	ND	ND			ND	ND
Hexachloroethane	ND	ND			ND	ND
Acetophenone	ND	ND			11.10	0.049
Nitrobenzene	ND	ND			ND	ND
N-Nitrosopiperidine	ND	ND			ND	ND
Isophorone	ND	ND			ND	ND
2-Nitrophenol	ND	ND			ND	ND
2,4-Dimethylphenol	ND	ND			ND	ND
bis(2-Chloroethoxy)methane	ND	ND			ND	ND
2,4-Dichlorophenol	ND	ND			ND	ND
4-Chloroaniline	ND	ND			ND	ND
1,2,4-Trichlorobenzene	ND	ND			ND	ND
Naphthalene	329.41	1.616	D		81.36	0.358
2,6-Dichlorophenol	ND	ND			ND	ND
Hexachloropropene	ND	ND			ND	ND
Hexachlorobutadiene	ND	ND			ND	ND
N-Nitrosodibutylamine	ND	ND			ND	ND
4-Chloro-3-methylphenol	ND	ND			ND	ND
Safrole	ND	ND			ND	ND
2-Methylnaphthalene	79.71	0.391			29.23	0.129
1,2,4,5-Tetrachlorobenzene	ND	ND			ND	ND
2,4,6-Trichlorophenol	ND	ND			ND	ND
Hexachlorocyclopentadiene	ND	ND			ND	ND
2,4,5-Trichlorophenol	ND	ND			ND	ND
2-Nitroaniline	ND	ND			ND	ND
Isosafrole	ND	ND			ND	ND
2-Chloronaphthalene	ND	ND			ND	ND
1,4-Naphthoquinone	ND	ND			ND	ND
Dimethyl phthalate	ND	ND			ND	ND
1,3-Dinitrobenzene	ND	ND			ND	ND
2,6-Dinitrotoluene	ND	ND			ND	ND
3-Nitroaniline	ND	ND			ND	ND
Acenaphthylene	1.11	0.005	U		ND	ND

D - Dilution  
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 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

<b>Sample I.D.</b>	29603 D1	29604 D2	29683 D1
<b>File I.D.</b>	ENG3517	VOID	ENG3518
<b>Date Sampled</b>	08/30/02	08/30/02	09/05/02
<b>Date Analyzed</b>	10/04/02	VOID	10/04/02
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	203.9		227.2

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>
2,4-Dinitrophenol	ND	ND			ND	ND
4-Nitrophenol	ND	ND			ND	ND
Acenaphthene	14.75	0.072			3.56	0.016 U
2,4-Dinitrotoluene	ND	ND			ND	ND
2-Naphthylamine	ND	ND			ND	ND
Dibenzofuran	15.57	0.076			4.51	0.020
Pentachlorobenzene	ND	ND			ND	ND
1-Naphthylamine	ND	ND			ND	ND
Diethyl phthalate	2.25	0.011 U			1.56	0.007 U
2,3,4,6-Tetrachlorophenol	ND	ND			ND	ND
4-Nitroaniline	ND	ND			ND	ND
4-Chlorophenyl-phenyl ether	ND	ND			ND	ND
Fluorene	12.04	0.059			3.99	0.018 U
5-Nitro-o-toluidine	ND	ND			ND	ND
4,6-Dinitro-2-methylphenol	ND	ND			ND	ND
Diphenylamine	ND	ND			ND	ND
Azobenzene	ND	ND			ND	ND
Phenacetin	ND	ND			ND	ND
Diallyl	ND	ND			ND	ND
4-Bromophenyl phenyl ether	ND	ND			ND	ND
4-Aminobiphenyl	ND	ND			ND	ND
Hexachlorobenzene	ND	ND			ND	ND
Pronamide	ND	ND			ND	ND
Pentachlorophenol	ND	ND			ND	ND
Pentachloronitrobenzene	ND	ND			ND	ND
Phenanthrene	29.74	0.146			10.79	0.048
Dinoseb	ND	ND			ND	ND
Anthracene	0.89	0.004 U			0.17	0.001 U
Carbazole	1.63	0.008 U			ND	ND
Di-n-butyl phthalate	29.51	0.145			24.85	0.109
Benzidine	ND	ND			ND	ND
Isodrin	ND	ND			ND	ND
Fluoranthene	8.40	0.041			3.47	0.015 U
Pyrene	5.01	0.025 U			1.83	0.008 U
4-Dimethylaminoazobenzene	ND	ND			ND	ND
Chlorobenzilate	ND	ND			ND	ND
3,3'-Dimethylbenzidine	ND	ND			ND	ND
Butyl benzyl phthalate	ND	ND			ND	ND
2-Acetylaminofluorene	ND	ND			ND	ND
3-Methylcholanthrene	ND	ND			ND	ND
3,3'-Dichlorobenzidine	ND	ND			ND	ND
bis(2-Ethylhexyl)phthalate	3.08	0.015 U			2.23	0.010 U
Benzo(a)anthracene	0.38	0.002 U			ND	ND
Chrysene	0.75	0.004 U			ND	ND
Di-n-octyl phthalate	ND	ND			ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND			ND	ND
Benzo(b)fluoranthene	0.41	0.002 U			ND	ND
Benzo(k)fluoranthene	0.43	0.002 U			ND	ND
Benzo(a)pyrene	ND	ND			ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND			ND	ND
Dibenz(a,h)anthracene	ND	ND			ND	ND
Benzo(g,h,i)perylene	ND	ND			ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	29684 D2		29775 D1		29776 D2	
File I.D.	ENG3519		ENG3520		ENG3521	
Date Sampled	09/05/02		09/11/02		09/11/02	
Date Analyzed	10/04/02		10/04/02		10/04/02	
	Actual Vol (m3)	210.5	Actual Vol (m3)	223.6	Actual Vol (m3)	205.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
N-Nitrosodimethylamine	ND	ND	ND	ND		ND	ND	
Pyridine	ND	ND	ND	ND		ND	ND	
Ethyl methanesulfonate	ND	ND	ND	ND		ND	ND	
2-Picoline	ND	ND	ND	ND		ND	ND	
N-Nitrosomethylethylamine	ND	ND	ND	ND		ND	ND	
Methyl methanesulfonate	ND	ND	ND	ND		ND	ND	
N-Nitrosodiethylamine	ND	ND	ND	ND		ND	ND	
Phenol	ND	ND	6.79	0.030	U	5.87	0.029	U
Pentachloroethane	ND	ND	ND	ND		ND	ND	
bis (2-Chloroethyl)ether	ND	ND	ND	ND		ND	ND	
Aniline	ND	ND	ND	ND		ND	ND	
2-Chlorophenol	ND	ND	ND	ND		ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
1,4-Dichlorobenzene	22.71	0.108	10.89	0.049		10.01	0.049	
Benzyl alcohol	ND	ND	2.88	0.013	U	2.84	0.014	U
2-Methylphenol	ND	ND	ND	ND		ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND		ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND		ND	ND	
3&4-Methylphenol	ND	ND	ND	ND		ND	ND	
N-Nitrosopyrrolidine	ND	ND	ND	ND		ND	ND	
N-Nitrosodipropylamine	ND	ND	ND	ND		ND	ND	
o-Toluidine	ND	ND	ND	ND		ND	ND	
Hexachloroethane	ND	ND	ND	ND		ND	ND	
Acetophenone	ND	ND	6.72	0.030	U	7.26	0.035	
Nitrobenzene	ND	ND	ND	ND		ND	ND	
N-Nitrosopiperidine	ND	ND	ND	ND		ND	ND	
Isophorone	ND	ND	ND	ND		ND	ND	
2-Nitrophenol	ND	ND	ND	ND		ND	ND	
2,4-Dimethylphenol	ND	ND	ND	ND		ND	ND	
bis(2-Chloroethoxy)methane	ND	ND	ND	ND		ND	ND	
2,4-Dichlorophenol	ND	ND	ND	ND		ND	ND	
4-Chloroaniline	ND	ND	ND	ND		ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND		ND	ND	
Naphthalene	79.40	0.377	66.73	0.298		55.92	0.272	
2,6-Dichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachloropropene	ND	ND	ND	ND		ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND		ND	ND	
N-Nitrosodibutylamine	ND	ND	ND	ND		ND	ND	
4-Chloro-3-methylphenol	ND	ND	ND	ND		ND	ND	
Safrole	ND	ND	ND	ND		ND	ND	
2-Methylnaphthalene	25.21	0.120	25.13	0.112		23.34	0.113	
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND		ND	ND	
2,4,6-Trichlorophenol	ND	ND	ND	ND		ND	ND	
Hexachlorocyclopentadiene	ND	ND	ND	ND		ND	ND	
2,4,5-Trichlorophenol	ND	ND	ND	ND		ND	ND	
2-Nitroaniline	ND	ND	ND	ND		ND	ND	
Isosafrole	ND	ND	ND	ND		ND	ND	
2-Chloronaphthalene	ND	ND	ND	ND		ND	ND	
1,4-Naphthoquinone	ND	ND	ND	ND		ND	ND	
Dimethyl phthalate	ND	ND	ND	ND		ND	ND	
1,3-Dinitrobenzene	ND	ND	ND	ND		ND	ND	
2,6-Dinitrotoluene	ND	ND	ND	ND		ND	ND	
3-Nitroaniline	ND	ND	ND	ND		ND	ND	
Acenaphthylene	ND	ND	ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value



# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2002 Final Data Report

Sample I.D.	29684 D2		29775 D1		29776 D2	
File I.D.	ENG3519		ENG3520		ENG3521	
Date Sampled	09/05/02		09/11/02		09/11/02	
Date Analyzed	10/04/02		10/04/02		10/04/02	
	Actual Vol (m3)	210.5	Actual Vol (m3)	223.6	Actual Vol (m3)	205.9

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>		<u>Final Conc (µg)</u>	<u>Final µg/m<sup>3</sup></u>	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	3.91	0.019	U	4.54	0.020	U	4.20	0.020	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.70	0.022		4.12	0.018		3.61	0.018	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	1.65	0.008	U	1.41	0.006	U	1.24	0.006	U
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND		ND	ND	
4-Nitroaniline	ND	ND		ND	ND		ND	ND	
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND		ND	ND	
Fluorene	4.43	0.021		3.53	0.016	U	3.42	0.017	U
5-Nitro-o-toluidine	ND	ND		ND	ND		ND	ND	
4,6-Dinitro-2-methylphenol	ND	ND		ND	ND		ND	ND	
Diphenylamine	ND	ND		ND	ND		ND	ND	
Azobenzene	ND	ND		ND	ND		ND	ND	
Phenacetin	ND	ND		ND	ND		ND	ND	
Diallyl	ND	ND		ND	ND		ND	ND	
4-Bromophenyl phenyl ether	ND	ND		ND	ND		ND	ND	
4-Aminobiphenyl	ND	ND		ND	ND		ND	ND	
Hexachlorobenzene	ND	ND		ND	ND		ND	ND	
Pronamide	ND	ND		ND	ND		ND	ND	
Pentachlorophenol	ND	ND		ND	ND		ND	ND	
Pentachloronitrobenzene	ND	ND		ND	ND		ND	ND	
Phenanthrene	12.89	0.061		8.97	0.040		7.94	0.039	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.12	0.001	U	0.32	0.001	U	0.28	0.001	U
Carbazole	0.68	0.003	U	ND	ND		ND	ND	
Di-n-butyl phthalate	2.22	0.011	U	20.34	0.091		1.41	0.007	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	4.00	0.019		2.52	0.011	U	2.54	0.012	U
Pyrene	1.86	0.009	U	1.25	0.006	U	1.42	0.007	U
4-Dimethylaminoazobenzene	ND	ND		ND	ND		ND	ND	
Chlorobenzilate	ND	ND		ND	ND		ND	ND	
3,3'-Dimethylbenzidine	ND	ND		ND	ND		ND	ND	
Butyl benzyl phthalate	ND	ND		ND	ND		ND	ND	
2-Acetylaminofluorene	ND	ND		ND	ND		ND	ND	
3-Methylcholanthrene	ND	ND		ND	ND		ND	ND	
3,3'-Dichlorobenzidine	ND	ND		ND	ND		ND	ND	
bis(2-Ethylhexyl)phthalate	2.12	0.010	U	2.33	0.010	U	1.68	0.008	U
Benzo(a)anthracene	0.50	0.002	U	ND	ND		ND	ND	
Chrysene	0.38	0.002	U	ND	ND		0.47	0.002	U
Di-n-octyl phthalate	ND	ND		ND	ND		ND	ND	
7,12-Dimethylbenz(a)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(b)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(k)fluoranthene	ND	ND		ND	ND		ND	ND	
Benzo(a)pyrene	ND	ND		ND	ND		ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND		ND	ND		ND	ND	
Dibenz(a,h)anthracene	ND	ND		ND	ND		ND	ND	
Benzo(g,h,i)perylene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit  
 E - Estimated Value