

Species	>MDL=1, Firewood <MDL=0 -HK		>MDL=1, Branch – <MDL=0 HK		>MDL=1, Corn straw- <MDL=0 HK	
Ethane	1	18.3%	1	10.4%	1	25.0%
Propane	1	22.5%	1	50.8%	1	2.4%
Isobutane	1	24.3%	1	64.0%	1	38.9%
n-Butane	1	23.0%	1	58.9%	1	40.2%
iso-Pentane	1	17.6%	1	43.7%	1	16.4%
n-Pentane	1	12.2%	1	53.9%	1	2.6%
2,2-Dimethylbutane	1	14.3%	1	24.8%	0	1593.4%
Cyclopentane	1	18.5%	1	17.5%	0	1.2%
2,3-Dimethylbutane	1	2.1%	1	38.3%	1	21.5%
2-Methylpentane	1	152.7%	1	7.5%	1	23.8%
3-Methylpentane	1	21.8%	1	30.4%	1	22.7%
n-Hexane	1	3.5%	1	50.4%	1	24.2%
Methylcyclopentane	1	14.3%	1	33.9%	1	18.3%
2,4-Dimethylpentane	1	14.9%	1	23.2%	0	2.0%
Cyclohexane	1	7.3%	1	35.8%	1	24.2%
2-Methylhexane	1	162.4%	1	35.1%	1	13.0%
2,3-Dimethylpentane	1	8.5%	1	44.2%	0	3.7%
3-Methylhexane	1	7.9%	1	65.4%	1	4.7%
2,2,4-Trimethylpentane	1	23.0%	1	22.4%	0	3.9%
n-Heptane	1	4.5%	1	47.3%	1	19.8%
Methylcyclohexane	1	12.9%	1	21.9%	0	11.8%
2,3,4-Trimethylpentane	1	25.7%	1	63.2%	0	10.2%
2-Methylheptane	1	10.5%	1	4.8%	1	23.6%
3-Methylheptane	1	112.7%	1	27.6%	0	27.1%
n-Octane	1	4.2%	1	44.3%	1	17.2%
n-Nonane	1	10.8%	1	42.9%	1	12.5%
n-Decane	1	8.5%	1	8.8%	1	23.9%
Undecane	1	4.7%	1	6.6%	1	104.1%
Dodecane	1	1.3%	1	49.5%	1	53.3%
Ethylene	1	133.5%	0	192.3%	1	22.5%
Propylene	1	20.1%	1	60.8%	1	7.0%
1-Butene	1	28.7%	1	74.4%	1	9.7%
trans-2-Butene	1	25.2%	1	71.7%	1	3.0%
cis-2-Butene	1	31.1%	1	72.7%	1	0.5%
Isoprene	1	34.8%	1	56.1%	1	24.8%
1-Pentene	1	13.3%	1	62.8%	1	23.9%
trans-2-Pentene	1	24.4%	1	58.1%	1	20.2%
cis-2-Pentene	1	26.1%	1	52.6%	1	19.3%
1-Hexene	1	6.8%	1	75.0%	1	22.2%
1,3-Butadiene	1	27.4%	1	65.5%	1	1.7%
Benzene	1	1.5%	1	10.9%	1	18.3%
Toluene	1	5.8%	1	22.8%	1	24.4%
Ethylbenzene	1	3.9%	1	13.8%	1	19.7%
m-Xylene	1	5.6%	1	10.1%	0	0.1%
p-Xylene	1	5.7%	1	10.1%	0	0.3%
Styrene	1	2.9%	1	4.1%	1	22.2%
o-Xylene	1	5.1%	1	4.5%	1	24.6%
Isopropylbenzene	1	5.3%	1	4.8%	1	8.8%
n-Propylbenzene	1	2.4%	1	5.1%	0	16.3%
m-Ethyltoluene	1	42.3%	1	10.3%	1	12.1%
p-Ethyltoluene	1	70.1%	1	10.3%	1	6.6%
1,3,5-Trimethylbenzene	1	2.9%	1	9.0%	1	6.4%
o-Ethyltoluene	1	0.7%	1	13.7%	1	8.6%
1,2,4-Trimethylbenzene	1	0.4%	1	16.9%	1	54.3%
1,2,3-Trimethylbenzene	1	1.4%	1	19.5%	1	41.7%
m-Diethylbenzene	1	25.0%	1	15.3%	1	49.7%

p-Diethylbenzene	1	30.0%	1	157.2%	1	3.7%
4-Ethyltoluene	1	0.2%	1	8.9%	1	23.7%
Naphthalene	1	16.2%	1	4.3%	1	22.6%
Acrolein	1	16.2%	1	71.8%	1	0.5%
Acetone	1	17.6%	1	43.6%	1	3.4%
Methyl ethyl ketone	1	0.9%	1	3.2%	1	11.9%
Methyl Isobutyl Ketone	1	44.6%	1	32.2%	1	44.1%
Methyl butyl ketone	1	10.5%	1	4.1%	1	24.8%
Ethanol	0	0.0%	1	200.0%	1	1.4%
Isopropyl Alcohol	1	2.2%	1	2.2%	1	2.2%
Methyl tert-butyl ether	1	1.8%	1	3.5%	1	3.2%
Ethyl Acetate	1	9.5%	1	12.4%	1	5.3%
Methyl Methacrylate	1	0.8%	1	45.0%	0	3.7%
Freon-12	1	8.9%	1	8.4%	1	20.4%
Chloromethane	1	27.1%	1	34.8%	1	2.2%
Freon-114	1	11.2%	1	10.1%	1	14.2%
Vinyl chloride	1	5.4%	1	11.5%	1	8.3%
Bromomethane	1	4.8%	1	5.7%	1	3.2%
Freon-11	1	2.6%	1	2.3%	1	2.3%
1,1-Dichloroethene	1	7.1%	1	18.9%	1	4.5%
Methylene Chloride	1	16.1%	1	95.4%	0	8.9%
Freon-113	1	4.0%	1	4.1%	1	13.3%
trans-1,2-Dichloroethene	1	45.5%	1	13.1%	1	4.1%
1,1-Dichloroethane	1	200.7%	0	14.9%	0	0.0%
cis-1,2-Dichloroethene	1	3.5%	1	50.2%	1	5.0%
Chloroform	1	12.8%	1	23.4%	0	4.7%
1,2-Dichloroethane	1	28.9%	1	27.3%	1	29.2%
1,1,1-Trichloroethane	0	0.0%	0	0.0%	0	9.6%
Carbon Tetrachloride	1	6.8%	1	8.4%	1	11.3%
1,2-Dichloropropane	0	278.8%	1	87.5%	0	0.0%
Trichloroethene	0	0.0%	0	0.0%	0	0.0%
cis-1,3-Dichloropropene	1	11.7%	1	41.4%	0	4.0%
1,1,2-Trichloroethane	0	0.0%	0	0.0%	0	0.0%
1,1,2,2-Tetrachloroethane	1	23.5%	1	10.0%	1	20.8%
Benzyl Chloride	1	0.7%	1	0.4%	1	1.3%
1,3-Dichlorobenzene	1	3.0%	1	3.7%	1	0.9%
1,4-Dichlorobenzene	1	2.4%	1	2.8%	1	4.3%
1,2-Dichlorobenzene	1	0.4%	1	0.9%	1	0.2%
Acetylene	1	2.6%	1	21.0%	1	112.5%
Carbon disulfide	1	7.4%	1	45.5%	1	31.1%
Tetrahydrofuran	1	135.5%	1	12.2%	0	0.0%
1,4-Dioxane	1	2.2%	1	3.5%	1	2.4%

No. of species over MDL	Average Unc	No. of species over MDL	Average Unc	No. of species over MDL	Average Unc
93	20.8%	93	30.5%	77	14.5%

>MDL=1, Wheat <MDL=0	straw- HK	>MDL=1, Branch - <MDL=0	TS	>MDL=1, Corn hub - <MDL=0	TS	>MDL=1, Anthracit <MDL=0	e- CS	>MDL=1, <MDL=0
1	24.8%	1	136.6%	0	0.3%	0	42.1%	1
1	22.7%	1	1.2%	0	0.3%	1	14.4%	1
1	17.5%	1	66.8%	0	1.8%	1	22.4%	1
1	15.4%	1	14.4%	0	0.3%	1	15.3%	1
1	71.5%	1	6.3%	1	24.2%	1	5.9%	1
0	132.5%	1	1.6%	0	2.6%	1	1.1%	1
0	1408.6%	1	15.5%	0	17.8%	1	10.6%	1
1	191.6%	0	0.0%	0	0.0%	0	0.0%	0
1	187.1%	1	45.1%	1	16.8%	1	120.3%	1
1	18.9%	1	36.3%	1	9.2%	1	17.4%	1
1	166.3%	1	19.5%	1	6.1%	1	7.4%	1
1	200.3%	1	13.0%	1	6.0%	1	2.3%	1
1	173.0%	1	13.8%	1	40.2%	1	9.2%	1
1	200.8%	1	101.2%	1	50.7%	1	9.2%	1
1	191.7%	1	24.4%	1	125.9%	1	10.9%	1
1	85.1%	1	50.0%	1	116.7%	1	13.3%	1
1	143.6%	1	13.0%	0	26.6%	1	24.6%	1
1	100.1%	1	25.2%	1	74.9%	1	122.8%	1
0	811.8%	1	20.6%	1	51.5%	0	20.6%	1
1	87.7%	1	13.0%	1	91.4%	1	6.4%	1
1	158.1%	1	170.7%	1	14.2%	1	7.1%	1
1	154.9%	0	53.3%	1	177.8%	0	28.5%	1
1	161.6%	1	195.6%	1	179.9%	1	19.7%	1
0	106.8%	1	16.8%	1	198.4%	0	144.9%	1
1	36.7%	1	10.8%	1	137.8%	1	5.1%	1
1	32.0%	1	4.8%	1	148.8%	1	10.9%	1
1	20.0%	1	8.0%	1	131.0%	1	9.2%	1
1	159.0%	1	143.4%	1	113.8%	1	10.1%	1
1	19.8%	1	32.1%	1	108.7%	1	19.7%	1
1	116.6%	1	5.8%	0	8.4%	1	19.9%	1
1	38.1%	1	16.4%	0	0.2%	1	9.0%	1
1	154.7%	1	0.9%	0	0.5%	1	20.9%	1
1	179.1%	1	11.7%	0	0.5%	1	28.4%	1
1	200.0%	1	12.2%	1	12.9%	1	23.4%	1
1	200.1%	1	12.7%	0	0.2%	1	69.8%	1
1	190.8%	1	21.1%	1	14.3%	1	31.7%	1
1	200.6%	1	17.1%	1	13.4%	1	39.9%	1
1	168.6%	1	13.8%	1	0.8%	1	36.1%	1
1	138.2%	1	7.9%	1	17.3%	1	32.8%	1
1	3.0%	1	14.3%	0	0.3%	1	47.9%	1
1	0.5%	1	2.1%	1	37.8%	1	8.9%	1
1	8.0%	1	18.6%	1	67.8%	1	7.7%	1
1	10.9%	1	26.8%	1	131.6%	1	16.0%	1
1	1.1%	1	29.1%	1	136.0%	1	13.9%	1
1	2.2%	1	32.3%	1	139.8%	1	15.0%	1
1	0.8%	1	32.2%	1	136.3%	1	3.2%	1
1	0.2%	1	26.1%	1	132.5%	1	11.0%	1
1	92.8%	1	30.1%	1	135.4%	1	14.9%	1
1	10.3%	1	20.0%	1	19.6%	1	22.0%	1
1	1.0%	1	2.9%	1	125.7%	1	12.8%	1
1	4.4%	1	12.4%	1	128.5%	1	15.9%	1
1	4.0%	1	24.9%	1	119.7%	1	16.1%	1
1	3.2%	1	20.8%	1	127.0%	1	10.4%	1
1	13.9%	1	9.5%	1	130.6%	1	8.2%	1
1	17.5%	1	16.9%	1	127.4%	1	9.5%	1
1	13.2%	1	22.6%	1	116.3%	1	6.2%	1

0	9.7%	1	3.0%	1	119.7%	1	2.8%	1
1	51.8%	1	4.1%	1	73.2%	1	4.1%	1
1	92.0%	1	10.5%	1	141.1%	1	9.0%	1
1	1.2%	1	2.2%	1	5.3%	1	23.5%	1
1	0.8%	1	2.4%	1	6.1%	1	20.8%	1
1	1.1%	1	1.1%	1	1.1%	1	1.5%	1
1	46.7%	1	44.6%	1	44.9%	1	45.3%	1
1	97.1%	1	8.0%	1	91.5%	1	6.9%	1
1	6.0%	1	20.3%	1	8.0%	1	31.9%	1
1	2.2%	1	2.3%	1	2.2%	1	2.2%	1
1	2.9%	1	10.9%	1	7.6%	1	1.9%	1
1	181.9%	1	12.1%	1	22.0%	1	25.0%	1
0	0.0%	0	0.0%	1	199.4%	0	0.0%	0
1	56.0%	0	0.0%	0	0.0%	0	0.0%	0
1	12.9%	1	0.5%	1	5.7%	0	0.0%	0
1	14.2%	1	12.7%	1	17.2%	1	12.5%	1
1	8.8%	1	8.3%	1	21.9%	1	8.9%	1
1	1.3%	1	1.4%	1	2.7%	1	4.4%	1
1	5.9%	1	3.0%	1	15.2%	1	3.5%	1
1	1.2%	1	1.2%	1	1.2%	1	1.2%	1
1	200.9%	1	2.1%	0	22.5%	1	9.1%	1
1	24.0%	1	8.0%	1	5.5%	1	6.0%	1
1	3.9%	1	3.9%	1	3.9%	1	3.9%	1
0	0.0%	1	112.7%	0	3.7%	1	21.7%	1
1	9.2%	1	13.2%	1	6.5%	1	1.2%	1
1	123.7%	1	7.8%	1	11.8%	1	14.1%	1
1	29.0%	1	27.9%	1	27.5%	1	28.1%	1
0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
1	17.3%	1	8.8%	1	6.5%	1	8.8%	1
0	0.0%	1	58.1%	1	65.7%	1	25.1%	1
0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
1	200.0%	1	200.4%	1	126.1%	1	200.5%	1
0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
1	47.0%	1	20.4%	1	20.8%	1	11.0%	1
1	0.5%	1	7.4%	1	62.9%	1	5.8%	1
1	9.9%	1	0.5%	1	1.3%	1	0.5%	1
1	4.4%	1	16.5%	1	7.8%	1	10.1%	1
1	0.2%	1	0.6%	1	27.8%	1	0.5%	1
1	19.3%	1	202.3%	0	1.0%	0	0.0%	0
1	84.5%	0	0.0%	0	0.0%	0	0.0%	0
0	0.0%	1	29.6%	1	16.2%	1	21.2%	1
1	2.4%	1	2.5%	1	4.6%	1	4.6%	1

No. of species over MDL	Average Unc	No. of species over MDL	Average Unc	No. of species over MDL	Average Unc	No. of species over MDL	Average Unc	No. of species over MDL
86	58.9%	90	25.8%	76	49.8%	85	16.6%	89

Honeyco mb -CS	>MDL=1, <MDL=0	Anthracit eSG	>MDL=1,< MDL=0	Bitumite - SG	>MDL=1, <MDL=0	Firewood -SG	>MDL=1, <MDL=0	Branch- SG
200.3%	0	7.7%	0	0.0%	1	202.0%	0	0.0%
53.4%	1	24.6%	1	2.5%	1	22.5%	1	29.1%
200.0%	1	18.1%	1	64.3%	1	24.8%	1	18.6%
72.1%	1	23.7%	1	66.0%	1	12.9%	1	16.9%
49.9%	1	23.8%	1	9.6%	1	24.3%	1	20.2%
53.1%	1	24.8%	1	0.3%	1	2.0%	1	92.8%
33.5%	1	24.8%	1	16.1%	1	71.1%	1	198.4%
0.0%	0	0.0%	1	200.0%	1	200.0%	1	188.5%
106.9%	1	7.5%	1	20.8%	1	67.9%	1	10.1%
71.8%	1	24.4%	1	18.5%	1	7.5%	1	22.9%
72.8%	1	24.5%	1	35.1%	1	62.3%	1	4.6%
75.0%	1	20.1%	1	33.4%	1	6.7%	1	107.1%
43.7%	1	19.9%	1	55.9%	1	47.2%	1	91.4%
35.3%	1	11.9%	1	198.8%	1	7.2%	1	165.5%
25.0%	1	24.8%	1	10.2%	1	12.7%	1	11.4%
25.1%	1	9.3%	1	111.5%	1	7.5%	1	24.4%
31.0%	1	23.2%	1	4.2%	1	6.1%	0	24.3%
39.1%	1	21.1%	1	7.0%	1	5.8%	1	93.7%
29.8%	1	24.7%	0	7.2%	0	14.4%	1	104.0%
23.2%	1	24.9%	1	25.0%	1	24.7%	1	6.7%
32.9%	1	24.0%	1	18.9%	1	3.6%	1	87.1%
192.8%	1	25.9%	0	13.5%	0	11.4%	0	22.2%
24.2%	1	6.3%	1	140.8%	1	9.1%	1	18.7%
26.7%	1	25.3%	1	11.6%	1	12.9%	1	113.6%
31.3%	1	24.6%	1	14.6%	1	13.0%	1	7.0%
32.0%	1	23.5%	1	19.5%	1	22.4%	1	9.7%
19.5%	1	25.0%	1	7.1%	1	6.9%	1	61.9%
44.7%	1	0.1%	1	76.7%	1	6.5%	1	98.2%
46.9%	1	36.5%	1	14.0%	1	7.9%	1	9.4%
4.5%	1	20.4%	1	5.0%	1	48.8%	0	7.6%
200.1%	1	12.4%	1	25.0%	1	2.5%	1	25.0%
28.5%	1	8.6%	1	66.9%	1	19.7%	1	27.2%
41.3%	1	18.8%	1	9.7%	1	12.9%	1	47.3%
51.7%	1	20.1%	1	16.4%	1	11.8%	1	49.3%
74.4%	1	24.6%	1	6.1%	1	23.5%	1	20.6%
38.4%	1	25.0%	1	24.6%	1	20.5%	1	80.3%
59.7%	1	23.5%	1	23.4%	1	21.9%	1	12.7%
51.9%	1	23.4%	1	22.0%	1	1.1%	1	16.3%
46.9%	1	24.5%	1	9.0%	1	1.8%	1	14.7%
26.1%	1	3.0%	1	4.1%	1	18.3%	1	8.2%
33.9%	1	25.0%	1	8.2%	1	12.3%	1	8.7%
30.5%	1	24.8%	1	8.4%	1	7.9%	1	11.5%
24.6%	1	24.3%	1	0.0%	1	16.7%	1	16.0%
22.9%	1	15.5%	1	19.3%	1	11.7%	1	19.3%
24.0%	1	22.6%	1	25.0%	1	16.0%	1	15.9%
33.9%	1	14.8%	1	24.2%	1	12.5%	1	25.0%
20.6%	1	22.1%	1	13.6%	1	24.9%	1	0.1%
21.3%	1	23.6%	1	13.4%	1	23.1%	0	3.2%
25.2%	1	21.0%	1	13.5%	1	22.9%	1	89.1%
13.0%	1	20.2%	1	24.2%	1	21.9%	1	16.8%
21.9%	1	20.2%	1	24.5%	1	23.4%	1	23.3%
16.8%	1	25.0%	1	1.0%	1	24.1%	1	5.5%
23.5%	1	18.8%	1	22.5%	1	23.1%	1	18.4%
21.1%	1	24.7%	1	5.0%	1	22.7%	1	1.4%
24.6%	1	17.9%	1	23.5%	1	0.9%	1	23.0%
25.3%	1	19.1%	1	7.5%	1	22.4%	1	122.4%

9.2%	1	21.0%	1	57.9%	1	160.5%	1	128.3%
11.1%	1	24.8%	1	18.1%	1	22.0%	1	22.6%
20.2%	1	13.8%	1	24.7%	1	12.8%	1	12.8%
15.8%	1	24.4%	1	5.3%	1	20.5%	1	18.6%
17.8%	1	9.2%	1	24.2%	1	13.6%	1	14.7%
45.6%	1	1.1%	1	1.1%	1	1.1%	1	1.1%
43.3%	1	29.3%	1	40.6%	1	46.4%	1	44.9%
11.5%	1	17.0%	1	23.1%	1	16.0%	1	22.1%
4.3%	1	6.8%	1	19.6%	1	11.0%	1	18.8%
2.2%	1	2.2%	1	2.2%	1	2.2%	1	2.2%
21.7%	1	24.6%	1	20.2%	1	3.4%	1	16.9%
9.8%	1	145.0%	1	80.1%	1	59.5%	1	21.4%
0.0%	0	13.8%	0	0.0%	0	1.0%	0	2.4%
0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
0.0%	0	33.0%	0	0.0%	0	188.0%	0	9.5%
15.7%	1	13.5%	1	20.0%	1	16.8%	1	10.7%
12.9%	1	7.6%	1	5.3%	1	16.1%	1	12.7%
1.6%	1	4.7%	1	1.3%	1	7.0%	1	9.0%
15.9%	1	17.8%	1	16.0%	1	9.6%	1	5.3%
1.2%	1	1.6%	1	1.2%	1	1.2%	1	1.2%
60.1%	1	45.2%	1	53.6%	1	13.0%	1	14.8%
21.5%	1	23.3%	1	24.2%	1	23.5%	1	17.8%
4.1%	1	3.9%	1	3.9%	1	13.6%	1	3.9%
83.8%	1	25.0%	1	1.2%	1	15.8%	1	16.2%
4.5%	1	20.5%	1	18.0%	1	19.1%	1	23.2%
66.7%	1	23.0%	1	11.0%	1	19.0%	1	24.6%
28.5%	1	25.8%	1	25.0%	1	28.5%	1	26.9%
0.0%	0	0.0%	0	0.0%	0	1.4%	0	0.0%
30.7%	1	20.5%	1	24.0%	1	15.7%	1	6.1%
43.3%	1	2.7%	1	23.3%	1	24.9%	1	23.7%
0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
27.6%	1	11.8%	1	25.2%	1	20.3%	1	16.5%
0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
12.7%	1	21.2%	1	24.0%	1	14.5%	1	21.9%
13.5%	1	4.3%	1	7.2%	1	2.4%	1	8.0%
0.6%	1	24.6%	1	0.6%	1	24.8%	1	20.7%
22.0%	1	6.0%	1	18.3%	1	23.1%	1	11.4%
12.0%	1	19.2%	1	13.6%	1	16.2%	1	14.8%
0.0%	0	0.0%	0	0.0%	0	0.0%	1	29.4%
0.0%	1	18.5%	0	0.0%	0	7.4%	0	19.0%
40.6%	1	10.6%	1	11.3%	1	9.0%	1	3.3%
5.4%	1	3.0%	1	3.3%	1	4.5%	1	4.6%

Average Unc	No. of species over MDL	Average Unc	No. of species over MDL	Average Unc	No. of species over MDL	Average Unc	No. of species over MDL	Average Unc
35.1%	89	18.2%	87	23.2%	88	21.2%	86	30.2%