Table A-5
TOCDF LIC1 HD Data

JACADS HD FEED RATES (units/hr)				TOCDF HD FEED RATE
Run 1	Run 2	Run 3	Run 4	1160 lbs/hr
849	957	1320	1179	

FEED SCALED EMISSION RATES FOR TOCDF

	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	MAXIMUM TOCDF EMISSION RATE[1] (g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	BL[10]	MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8] (g/s)
Volatile Organic Compounds																
Acetone	4.94E-05	Y	5.75E-05	Y	4.45E-05	Y	9.47E-05	Y	6.15E-05	9.47E-05	2.28E-05	8.83E-05	8.83E-05	Y	1.04	9.18E-05
Benzene	9.92E-05	Y	3.50E-05	Y	2.18E-05	Y	2.16E-05	Y	4.44E-05	9.92E-05	3.70E-05	8.80E-05	8.80E-05	Y	1.04	9.15E-05
Bromodichloromethane	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
Bromoform	3.52E-05	Y	1.01E-05	Y	1.11E-05	Y	3.96E-07	N	1.42E-05	3.52E-05	1.48E-05	3.16E-05	3.16E-05	Y	1.04	3.29E-05
Bromomethane (Methyl Bromide)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Butanone (MEK)	1.04E-04	Y	9.21E-05	Y	8.12E-05	Y	4.66E-04	Y	1.86E-04	4.66E-04	1.87E-04	4.06E-04	4.06E-04	Y	1.04	4.22E-04
Carbon Disulfide	6.27E-05	Y	2.13E-05	Y	6.75E-07	Y	3.08E-05	Y	2.89E-05	6.27E-05	2.58E-05	5.92E-05	5.92E-05	Y	1.04	6.16E-05
Carbon Tetrachloride	5.26E-05	Y	1.08E-04	Y	1.53E-04	Y	7.76E-05	Y	9.76E-05	1.53E-04	4.30E-05	1.48E-04	1.48E-04	Y	1.04	1.54E-04
Chlorobenzene	1.02E-05	Y	9.14E-06	Y	3.35E-06	Y	7.03E-06	Y	7.43E-06	1.02E-05	3.02E-06	1.10E-05	1.02E-05	Y	1.04	1.06E-05
Chlorodibromoethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Chloroethane (Ethyl Chloride)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Chloroform	4.66E-05	Y	6.12E-05	Y	7.53E-05	Y	6.44E-05	Y	6.19E-05	7.53E-05	1.18E-05	7.58E-05	7.53E-05	Y	1.04	7.83E-05
Chloromethane (Methyl Chloride)	2.15E-04	Y	1.94E-04	Y	1.69E-05	Y	1.72E-04	Y	1.50E-04	2.15E-04	9.02E-05	2.56E-04	2.15E-04	Y	1.04	2.24E-04
Dibromomethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dichlorodifluoromethane (Freon 12)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,1-Dichloroethane	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
1,2-Dichloroethane (EDC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,1-Dichloroethene	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
trans-1,2-Dichloroethene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,2-Dichloropropane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
cis-1,3-Dichloropropene	4.45E-06	Y	4.70E-07	N	3.52E-07	N	8.82E-07	Y	1.54E-06	4.45E-06	1.96E-06	3.84E-06	3.84E-06	Y	1.04	3.99E-06
trans-1,3-Dichloropropene	2.68E-06	Y	2.09E-06	Y	3.52E-07	N	3.96E-07	N	1.38E-06	2.68E-06	1.19E-06	2.78E-06	2.68E-06	Y	1.04	2.79E-06
Ethylbenzene	6.25E-07	N	1.93E-06	Y	3.52E-07	N	4.28E-06	Y	1.80E-06	4.28E-06	1.79E-06	3.90E-06	3.90E-06	Y	1.04	4.06E-06
Iodomethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Methylene Chloride	2.05E-04	Y	1.56E-04	Y	1.06E-04	Y	1.51E-04	Y	1.54E-04	2.05E-04	4.07E-05	2.02E-04	2.02E-04	Y	1.04	2.10E-04
Styrene	2.07E-05	Y	1.63E-05	Y	1.23E-05	Y	9.53E-04	Y	2.51E-04	9.53E-04	4.68E-04	8.01E-04	8.01E-04	Y	1.04	8.34E-04
1,1,1,2-Tetrachloroethane	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
Tetrachloroethene (PCE)	6.25E-07	N	4.70E-07	N	3.52E-07	N	2.73E-06	Y	1.05E-06	2.73E-06	1.13E-06	2.38E-06	2.38E-06	Y	1.04	2.47E-06
Toluene	3.78E-05	Y	1.23E-05	Y	2.19E-05	Y	1.71E-05	Y	2.23E-05	3.78E-05	1.11E-05	3.53E-05	3.53E-05	Y	1.04	3.67E-05
1,1,1-Trichloroethane (TCA)	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.71E-05	Y	9.63E-06	3.71E-05	1.83E-05	3.12E-05	3.12E-05	Y	1.04	3.24E-05
1,1,2-Trichloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Trichloroethene (TCE)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,2,3-Trichloropropane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Trichlorofluoromethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Vinyl Chloride	1.31E-05	Y	4.70E-07	N	1.81E-06	Y	3.96E-07	N	3.94E-06	1.31E-05	6.12E-06	1.11E-05	1.11E-05	Y	1.04	1.16E-05
m,p-Xylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
o-Xylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total Xylenes	5.68E-06	Y	3.14E-06	Y	3.90E-06	Y	9.78E-06	Y	5.63E-06	9.78E-06	2.97E-06	9.11E-06	9.11E-06	Y	1.04	9.48E-06
VOC Subtotals									**1.11E-03**	**2.48E-03**			**2.23E-03**			**2.32E-03**

Table A-5
TOCDF LIC1 HD Data

JACADS HD STACK GAS FLOW RATES				
Run 1	Run 2	Run 3	Run 4	
9690	8217	8493	8518	(dscfm)

TOCDF GB STACK FLOW RATES (From July 1998 GB burn)				
Run 1	Run 2	Run 3	AVG	
3454	3583	3684	3574	(dscfm)

FLOW RATE SCALED EMISSION RATES	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	MAXIMUM TOCDF EMISSION RATE[1] (g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	BL[10]	MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8] (g/s)	MAXIMUM IRAP-h EMISSION RATE[7] (g/s)
Volatile Organic Compounds																	
Acetone	1.33E-05	Y	2.06E-05	Y	2.13E-05	Y	4.04E-05	Y	2.39E-05	4.04E-05	1.16E-05	3.75E-05	3.75E-05	Y	1.04	3.90E-05	9.18E-05
Benzene	2.68E-05	Y	1.25E-05	Y	1.04E-05	Y	9.21E-06	Y	1.47E-05	2.68E-05	8.13E-06	2.43E-05	2.43E-05	Y	1.04	2.53E-05	9.15E-05
Bromodichloromethane	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
Bromoform	9.49E-06	Y	3.62E-06	Y	5.33E-06	Y	1.69E-07	N	4.65E-06	9.49E-06	3.88E-06	9.21E-06	9.21E-06	Y	1.04	9.58E-06	3.29E-05
Bromomethane (Methyl Bromide)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	7.37E-06
2-Butanone (MEK)	2.80E-05	Y	3.30E-05	Y	3.89E-05	Y	1.99E-04	Y	7.47E-05	1.99E-04	8.28E-05	1.72E-04	1.72E-04	Y	1.04	1.79E-04	4.22E-04
Carbon Disulfide	1.69E-05	Y	7.62E-06	Y	3.23E-07	Y	1.31E-05	Y	9.50E-06	1.69E-05	7.21E-06	1.80E-05	1.69E-05	Y	1.04	1.76E-05	6.16E-05
Carbon Tetrachloride	1.42E-05	Y	3.87E-05	Y	7.31E-05	Y	3.31E-05	Y	3.98E-05	7.31E-05	2.46E-05	6.86E-05	6.86E-05	Y	1.04	7.14E-05	1.54E-04
Chlorobenzene	2.76E-06	Y	3.28E-06	Y	1.61E-06	Y	3.00E-06	Y	2.66E-06	3.28E-06	7.34E-07	3.52E-06	3.28E-06	Y	1.04	3.41E-06	1.06E-05
Chlorodibromoethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Chloroethane (Ethyl Chloride)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
Chloroform	1.26E-05	Y	2.20E-05	Y	3.60E-05	Y	2.75E-05	Y	2.45E-05	3.60E-05	9.83E-06	3.61E-05	3.60E-05	Y	1.04	3.75E-05	7.83E-05
Chloromethane (Methyl Chloride)	5.81E-05	Y	6.95E-05	Y	8.07E-06	Y	7.35E-05	Y	5.23E-05	7.35E-05	3.02E-05	8.78E-05	7.35E-05	Y	1.04	7.64E-05	2.24E-04
Dibromomethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
Dichlorodifluoromethane (Freon 12)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
1,1-Dichloroethane	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
1,2-Dichloroethane (EDC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
1,1-Dichloroethene	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
trans-1,2-Dichloroethene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
1,2-Dichloropropane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
cis-1,3-Dichloropropene	1.20E-06	Y	1.69E-07	N	1.69E-07	N	3.76E-07	Y	4.79E-07	1.20E-06	4.92E-07	1.06E-06	1.06E-06	Y	1.04	1.10E-06	3.99E-06
trans-1,3-Dichloropropene	7.23E-07	Y	7.51E-07	Y	1.69E-07	N	1.69E-07	N	4.53E-07	7.51E-07	3.28E-07	8.39E-07	7.51E-07	Y	1.04	7.81E-07	2.79E-06
Ethylbenzene	1.69E-07	N	6.94E-07	Y	1.69E-07	N	1.82E-06	Y	7.14E-07	1.82E-06	7.80E-07	1.63E-06	1.63E-06	Y	1.04	1.70E-06	4.06E-06
Iodomethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
Methylene Chloride	5.54E-05	Y	5.59E-05	Y	5.07E-05	Y	6.44E-05	Y	5.66E-05	6.44E-05	5.69E-06	6.33E-05	6.33E-05	Y	1.04	6.58E-05	2.10E-04
Styrene	5.59E-06	Y	5.87E-06	Y	5.89E-06	Y	4.06E-04	Y	1.06E-04	4.06E-04	2.00E-04	3.42E-04	3.42E-04	Y	1.04	3.55E-04	8.34E-04
1,1,1,2-Tetrachloroethane	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
Tetrachloroethene (PCE)	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.17E-06	Y	4.18E-07	1.17E-06	4.99E-07	1.00E-06	1.00E-06	Y	1.04	1.04E-06	2.47E-06
Toluene	1.02E-05	Y	4.41E-06	Y	1.05E-05	Y	7.31E-06	Y	8.11E-06	1.05E-05	2.86E-06	1.15E-05	1.05E-05	Y	1.04	1.09E-05	3.67E-05
1,1,1-Trichloroethane (TCA)	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.58E-05	Y	4.08E-06	1.58E-05	7.82E-06	1.33E-05	1.33E-05	Y	1.04	1.38E-05	3.24E-05
1,1,2-Trichloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
Trichloroethene (TCE)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
1,2,3-Trichloropropane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
Trichlorofluoromethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
Vinyl Chloride	3.53E-06	Y	1.69E-07	N	8.69E-07	Y	1.69E-07	N	1.18E-06	3.53E-06	1.60E-06	3.06E-06	3.06E-06	Y	1.04	3.18E-06	1.16E-05
m,p-Xylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
o-Xylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	3.87E-06
Total Xylenes	1.53E-06	Y	1.13E-06	Y	1.87E-06	Y	4.17E-06	Y	2.17E-06	4.17E-06	1.36E-06	3.78E-06	3.78E-06	Y	1.04	3.93E-06	9.48E-06
VOC Subtotals									**4.27E-04**	**9.88E-04**			**8.82E-04**			**9.17E-04**	**2.37E-03**

Table A-5
TOCDF LIC1 HD Data

	FEED SCALED EMISSION RATES FOR TOCDF									MAXIMUM TOCDF EMISSION RATE[1]	Standard Deviation	95% UCL	Final Emission Rate		MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8]
	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	(g/s)	(g/s)	(g/s)	(g/s)	BL[10]		(g/s)
Semivolatile Organic Compounds																
Acenaphthene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Acenaphthylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Acetophenone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Aminobiphenyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3-Amino-9-ethylcarbazole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Aniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Aramite	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzoic acid	1.66E-06	N	1.40E-06	N	3.52E-05	Y	3.65E-05	Y	1.87E-05	3.65E-05	1.98E-05	4.20E-05	3.65E-05	Y	1.04	3.80E-05
Benzo (a) anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzo (b) fluoranthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzo (j) fluoranthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzo (k) fluoranthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzo (g,h,i) perylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzo (a) pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzo (e) pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzyl alcohol	7.02E-04	Y	1.86E-03	Y	8.21E-04	Y	4.09E-04	Y	9.48E-04	1.86E-03	6.32E-04	1.69E-03	1.69E-03	Y	1.04	1.76E-03
bis(2-Chloroethoxy)-methane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
bis(2-Chloroethyl) ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
bis(2-Ethylhexyl)-phthalate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Bromophenyl phenyl ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Butyl benzyl phthalate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Chloroanaline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Chloro-3-methylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1-Chloronaphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Chloronaphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Chlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Chlorophenyl phenyl ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Chrysene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dibenz (a,h) anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dibenz (a,j) acridine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dibenzofuran	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Di-n-butyl phthalate	1.66E-06	N	1.40E-06	N	1.05E-06	N	1.20E-06	N	1.33E-06	1.66E-06	2.65E-07	1.64E-06	1.64E-06	N	1.04	1.70E-06
Di-n-octyl phthalate	1.66E-06	N	1.40E-06	N	1.05E-06	N	1.20E-06	N	1.33E-06	1.66E-06	2.65E-07	1.64E-06	1.64E-06	N	1.04	1.70E-06
1,2-Dichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,3-Dichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,4-Dichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3,3'-Dichlorobenzidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4-Dichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,6-Dichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Diethyl phthalate	1.66E-06	N	1.40E-06	N	1.05E-06	N	1.20E-06	N	1.33E-06	1.66E-06	2.65E-07	1.64E-06	1.64E-06	N	1.04	1.70E-06
p-Dimethylaminoazobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
7,12-Dimethylbenz(a)-anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
a,a-Dimethylphenethyl-amine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4-Dimethylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dimethyl phthalate	5.09E-05	Y	3.98E-05	Y	1.38E-05	Y	4.56E-04	Y	1.40E-04	4.56E-04	2.11E-04	3.88E-04	3.88E-04	Y	1.04	4.04E-04
4,6-Dinitro-2-methylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4-Dinitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4-Dinitrotoluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,6-Dinitrotoluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Diphenylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Ethyl methanesulfonate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Fluoranthene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Fluorene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexachlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexachlorobutadiene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexachlorocyclopentadiene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexachloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Indeno(1,2,3-cd)pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Isophorone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3-Methylcholanthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Methyl methanesulfonate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Methylnaphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Methylphenol	1.66E-06	N	1.40E-06	N	1.05E-06	N	1.20E-06	N	1.33E-06	1.66E-06	2.65E-07	1.64E-06	1.64E-06	N	1.04	1.70E-06
4-Methylphenol	1.66E-06	N	1.40E-06	N	1.05E-06	N	1.20E-06	N	1.33E-06	1.66E-06	2.65E-07	1.64E-06	1.64E-06	N	1.04	1.70E-06
3/4-Methylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Naphthalene	1.66E-06	N	1.40E-06	N	1.05E-06	N	1.20E-06	N	1.33E-06	1.66E-06	2.65E-07	1.64E-06	1.64E-06	N	1.04	1.70E-06
1-Napthylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Napthylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3-Nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nitrobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Nitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Nitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitroso-di-n-butylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitrosodimethylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitrosodiphenylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitroso-di-n-propylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitrosopiperdine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,2'-Oxybis (1-Chloropropane)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Pentachlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Pentachloronitrobenzene (PCNB)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Pentachlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Phenacetin	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Phenanthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Phenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00

Table A-5
TOCDF LIC1 HD Data

	FLOW RATE SCALED EMISSION RATES									MAXIMUM TOCDF EMISSION RATE[1]	Standard Deviation	95% UCL	Final Emission Rate		MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8]	MAXIMUM IRAP-h EMISSION RATE[7]
	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	(g/s)	(g/s)	(g/s)	(g/s)	BL[10]		(g/s)	(g/s)
Semivolatile Organic Compounds																	
Acenaphthene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Acenaphthylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Acetophenone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
4-Aminobiphenyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
3-Amino-9-ethylcarbazole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-04
Aniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Aramite	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-04
Benzoic acid	4.47E-07	N	5.03E-07	N	1.68E-05	Y	1.56E-05	Y	8.34E-06	1.68E-05	9.09E-06	1.90E-05	1.68E-05	Y	1.04	1.75E-05	3.80E-05
Benzo (a) anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzo (b) fluoranthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzo (j) fluoranthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzo (k) fluoranthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzo (g,h,i) perylene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzo (a) pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzo (e) pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Benzyl alcohol	1.89E-04	Y	6.67E-04	Y	3.93E-04	Y	1.74E-04	Y	3.56E-04	6.67E-04	2.30E-04	6.27E-04	6.27E-04	Y	1.04	6.52E-04	1.76E-03
bis(2-Chloroethoxy)-methane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
bis(2-Chloroethyl) ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
bis(2-Ethylhexyl)-phthalate	1.56E-04	S	3.25E-05	S	3.83E-06	S	1.10E-05	S	5.10E-05	1.56E-04	7.14E-05	1.35E-04	1.35E-04	S	1.04	1.40E-04	1.40E-04
4-Bromophenyl phenyl ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Butyl benzyl phthalate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
4-Chloroanaline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
4-Chloro-3-methylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
1-Chloronaphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2-Chloronaphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2-Chlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
4-Chlorophenyl phenyl ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Chrysene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Dibenz (a,h) anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Dibenz (a,j) acridine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-04
Dibenzofuran	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Di-n-butyl phthalate	4.47E-07	N	5.03E-07	N	5.01E-07	N	5.10E-07	N	4.91E-07	5.10E-07	2.91E-08	5.25E-07	5.10E-07	N	1.04	5.31E-07	1.70E-06
Di-n-octyl phthalate	4.47E-07	N	5.03E-07	N	5.01E-07	N	5.10E-07	N	4.91E-07	5.10E-07	2.91E-08	5.25E-07	5.10E-07	N	1.04	5.31E-07	1.70E-06
1,2-Dichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
1,3-Dichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
1,4-Dichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
3,3'-Dichlorobenzidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,4-Dichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,6-Dichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Diethyl phthalate	4.47E-07	N	5.03E-07	N	5.01E-07	N	5.10E-07	N	4.91E-07	5.10E-07	2.91E-08	5.25E-07	5.10E-07	N	1.04	5.31E-07	1.70E-06
p-Dimethylaminoazobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
7,12-Dimethylbenz(a)-anthracene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
a,a-Dimethylphenethyl-amine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,4-Dimethylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Dimethyl phthalate	1.37E-05	Y	1.43E-05	Y	6.59E-06	Y	1.94E-04	Y	5.72E-05	1.94E-04	9.14E-05	1.65E-04	1.65E-04	Y	1.04	1.71E-04	4.04E-04
4,6-Dinitro-2-methylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
2,4-Dinitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
2,4-Dinitrotoluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,6-Dinitrotoluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Diphenylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Ethyl methanesulfonate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Fluoranthene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Fluorene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Hexachlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Hexachlorobutadiene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Hexachlorocyclopentadiene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Hexachloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Indeno(1,2,3-cd)pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Isophorone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
3-Methylcholanthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Methyl methanesulfonate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2-Methylnaphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2-Methylphenol	4.47E-07	N	5.03E-07	N	5.01E-07	N	5.10E-07	N	4.91E-07	5.10E-07	2.91E-08	5.25E-07	5.10E-07	N	1.04	5.31E-07	1.70E-06
4-Methylphenol	4.47E-07	N	5.03E-07	N	5.01E-07	N	5.10E-07	N	4.91E-07	5.10E-07	2.91E-08	5.25E-07	5.10E-07	N	1.04	5.31E-07	1.70E-06
3/4-Methylphenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Naphthalene	4.47E-07	N	5.03E-07	N	5.01E-07	N	5.10E-07	N	4.91E-07	5.10E-07	2.91E-08	5.25E-07	5.10E-07	N	1.04	5.31E-07	1.70E-06
1-Napthylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2-Napthylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2-Nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
3-Nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
4-Nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
Nitrobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2-Nitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
4-Nitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
N-Nitroso-di-n-butylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
N-Nitrosodimethylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
N-Nitrosodiphenylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
N-Nitroso-di-n-propylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
N-Nitrosopiperdine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,2'-Oxybis (1-Chloropropane)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Pentachlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
Pentachloronitrobenzene (PCNB)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
Pentachlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Phenacetin	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Phenanthrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Phenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05

Table A-5
TOCDF LIC1 HD Data

2-Picoline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Pronamide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,2,4,5-Tetrachlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3,4,6-Tetrachlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,2,4-Trichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4,5-Trichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4,6-Trichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4,6-Trinitrotoluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
SVOC Subtotals									**1.11E-03**	**2.36E-03**			**2.13E-03**			**2.21E-03**

Table A-5
TOCDF LIC1 HD Data

2-Picoline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Pronamide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
Pyrene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
1,2,4,5-Tetrachlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,3,4,6-Tetrachlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	5.51E-05
1,2,4-Trichlorobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,4,5-Trichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,4,6-Trichlorophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	1.10E-05
2,4,6-Trinitrotoluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
SVOC Subtotals									**4.76E-04**	**1.04E-03**			**9.47E-04**			**9.85E-04**	**3.99E-03**

Table A-5
TOCDF LIC1 HD Data

ANALYTE	FEED SCALED EMISSION RATES FOR TOCDF Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	MAXIMUM TOCDF EMISSION RATE[1] (g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	BL[10]	MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8] (g/s)
Tenatively Identified Compounds																
(Carbethoxyethylidine) triphenyl phosphorane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
0,0,0-Triethylphosphorothioate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,1,1,2-Tetrachloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,1,2-Trichlorotrifluoroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,2-Benzenedicarbosylic Acid (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,2-Dibromoethane (Ethylene Dibromide)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,2-Diphenylhydrazine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,3,5-Trinitrobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,3-Butadiene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,3-Dinitrobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,4-Butanediol (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,4-Dichloro-2-butene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1,4-Naphthoquinone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1-Decene,2,4-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1-Hexadecanol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1-Octanol, 2-butyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1-Propanol, 2-(2-methoxy-1-methylethoxy)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
1-Propen-1-one,2-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,2-Dimethoxybutane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4,6-Trinitrotoluene (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,4-dimethyl-1-heptene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Acetylaminofluorene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Butanone, 4-Acetyloxy (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Chloropropane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Cyclohexene-1-one, 3,5-Dimethyl (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Decanal, (z)-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Fluoro-6-nitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Hexanone	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
2-Methyl-5-nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Naphthalenecarbonoxaldehyde	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Pentene, 3,4,4-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Propanol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-sec-Butyl-4,6-dinitro-phenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2-Toluidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3,3'-Dimethylbenzidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3-Methylphenol	3.17E-04	Y	1.40E-06	N	1.05E-06	N	1.20E-06	N	8.02E-05	3.17E-04	1.58E-04	2.66E-04	2.66E-04	Y	1.04	2.77E-04
3-Nonene(c,t)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3-Penten-2-one, 4-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4,4'-DDE	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Hydroxy-4-methyl-2-pentanone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
4-Methyl-2-pentanone (MIBK)	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
4-Nitroquinoline-l-oxide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
5-Nitroacenaphthene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
5-Nitro-o-toluidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Acetic acid, (triphenylphosphor-anylidene)-metl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Acetic anhydride	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Acetophenone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzaldehyde	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzene, (1-methylethyl)-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzene, propyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzenethiol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzonitrile	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Benzyaldehyde, ethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Bezene,1,2,3-trichloro-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Bezene,1,2,3-trimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Bezene,ethyl-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Bezene,propyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Biphenyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
bis(2-Chloroisopropyl)Ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
bis(2-Ethylhexl)adipate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Bromoethene (Vinyl Bromide)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Butanoic acid, 2-methyl-, methyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Butanoic acid, propyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Butonic acid, methyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
C3-Naphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Carbonyl Sulfide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Chlorobenzilate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
cis-1,4-Dichloro-2-butene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane, 1-methyl-2-propyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane, Pentyl (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane,1,2,3,-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane,1,2,3-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane,butyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane,diethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane,methyl-propyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclohexane,propyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclopentane, 1,2,3,4,5-pentamethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclopentane,1,2,3-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclopropane,1-butyl-1-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Cyclotetrasiloxane, Octameth (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
DBCP (1,2-Dibromo-3-chloropropane)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane,2,2,5-trimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane,2,2,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane,2,2-dimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane,2,5,6-trimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane,2,6,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane,2,6,8-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00

Table A-5
TOCDF LIC1 HD Data

	FLOW RATE SCALED EMISSION RATES									MAXIMUM TOCDF EMISSION RATE[1]	Standard Deviation	95% UCL	Final Emission Rate		MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8]	MAXIMUM IRAP-h EMISSION RATE[7]
	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	(g/s)	(g/s)	(g/s)	(g/s)	BL[10]		(g/s)	(g/s)
Tenatively Identified Compounds																	
(Carbethoxyethylidine) triphenyl phosphorane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
0,0,0-Triethylphosphorothioate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,1,1,2-Tetrachloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,1,2-Trichlorotrifluoroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,2-Benzenedicarbosylic Acid (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,2-Dibromoethane (Ethylene Dibromide)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,2-Diphenylhydrazine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,3,5-Trinitrobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,3-Butadiene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,3-Dinitrobenzene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,4-Butanediol (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,4-Dichloro-2-butene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1,4-Naphthoquinone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1-Decene,2,4-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1-Hexadecanol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1-Octanol, 2-butyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1-Propanol, 2-(2-methoxy-1-methylethoxy)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
1-Propen-1-one,2-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,2-Dimethoxybutane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,4,6-Trinitrotoluene (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,4-dimethyl-1-heptene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Acetylaminofluorene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Butanone, 4-Acetyloxy (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Chloropropane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Cyclohexene-1-one, 3,5-Dimethyl (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Decanal, (z)-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Fluoro-6-nitrophenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Hexanone	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
2-Methyl-5-nitroaniline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Naphthalenecarbonoxaldehyde	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Pentene, 3,4,4-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Propanol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-sec-Butyl-4,6-dinitro-phenol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2-Toluidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
3,3'-Dimethylbenzidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
3-Methylphenol	8.56E-05	Y	5.03E-07	N	5.01E-07	N	5.10E-07	N	2.18E-05	8.56E-05	4.26E-05	7.18E-05	7.18E-05	Y	1.04	7.47E-05	2.77E-04
3-Nonene(c,t)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
3-Penten-2-one, 4-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
4,4'-DDE	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
4-Hydroxy-4-methyl-2-pentanone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
4-Methyl-2-pentanone (MIBK)	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
4-Nitroquinoline-l-oxide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
5-Nitroacenaphthene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
5-Nitro-o-toluidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Acetic acid, (triphenylphosphor-anylidene)-metl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Acetic anhydride	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Acetophenone	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Benzaldehyde	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Benzene, (1-methylethyl)-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Benzene, propyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Benzenethiol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Benzonitrile	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Benzyaldehyde, ethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Bezene,1,2,3-trichloro-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Bezene,1,2,3-trimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Bezene,ethyl-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Bezene,propyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Biphenyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
bis(2-Chloroisopropyl)Ether	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
bis(2-Ethylhexl)adipate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Bromoethene (Vinyl Bromide)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Butanoic acid, 2-methyl-, methyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Butanoic acid, propyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Butonic acid, methyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
C3-Naphthalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Carbonyl Sulfide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Chlorobenzilate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
cis-1,4-Dichloro-2-butene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane, 1-methyl-2-propyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane, Pentyl (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane,1,2,3,-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane,1,2,3-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane,butyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane,diethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane,methyl-propyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclohexane,propyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclopentane, 1,2,3,4,5-pentamethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclopentane,1,2,3-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclopropane,1-butyl-1-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Cyclotetrasiloxane, Octameth (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
DBCP (1,2-Dibromo-3-chloropropane)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane,2,2,5-trimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane,2,2,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane,2,2-dimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane,2,5,6-trimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane,2,6,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane,2,6,8-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00

Table A-5
TOCDF LIC1 HD Data

Decane,3-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decane,4-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Decanol, 2-ethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Diallate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dibromochloromethane	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
Diethylene glycol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dihydrosafrole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Diisopropyl methyl phosphonate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dioxathion	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dodecane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Dodecane 2-cyclohexyl-, 2-cyclohexyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Erucylamide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Ethanol, 2-(2-Butoxyethoxy)- (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Ethyl parathion	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Furan, tetrahydro-2,5-dimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Ethylbenzene (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	8.39E-04	Y	2.10E-04	8.39E-04	4.20E-04	7.03E-04	7.03E-04	Y	1.04	7.32E-04
Heptachlor	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptadecane, 7-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,2,4-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,2,5,5-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,3,3,5-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,3,4-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,3-ethyl-2methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,4-ethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,4-ethyl-2,2,6,6-tetra	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Heptane,5-ethyl-2,-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexachlorophene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexachloropropene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexadecane,2,6,10,14-tetramet	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexadecanoic acid	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexanoic Acid (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexanoic Acid, 2-Ethyl- (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexatriacontane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Hexonoic Acid, -Ethyl- (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Isosafrole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Methane,tribromo-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Methapyrilene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Methoxychlor	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Methyl cyclohexane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Methyl nitrite	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N,N'-Diisopropylcarbodiimide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Naphthalene,decahydro,trans	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
n-Decane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
n-Hexane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nitrous, acid, methyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitrosodiethylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitrosomethylethylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitrosomorpholine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
N-Nitrosopyrrolidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nonacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nonane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nonane,2,6-dimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nonane,2-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nonane,3-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nonane,4-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Nonanol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octadeconoic acid	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octane,2,2,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octane,2,3,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octane,2,5,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octane,2,5-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octane,3,3-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octane,3,5-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Octane,3,6-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Oxirane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Pentachloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Phenol, 2-(2H-benzotriazol-2-yl)4-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Phenol, 3-fluoro-4-nitro-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Phenol,4,4'-butylene bis [2-1,1-dimethylethyl]	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
p-Phenylenediamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
p-Toludine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Pyridine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Quinoline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Safrole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Silicic acid, tetramethyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Squalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Thipene,2,3-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Toluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
trans-1,4-Dichloro-2-butene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Tributylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Trichlorofluoromethane (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Tridecane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Triphenyl phophine oxide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Undecane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Undecane-2,6-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Vinyl Acetate	6.25E-07	N	4.70E-07	N	3.52E-07	N	3.96E-07	N	4.61E-07	6.25E-07	1.20E-07	6.02E-07	6.02E-07	N	1.04	6.26E-07
TIC Subtotals									**8.11E-05**	**3.18E-04**			**2.67E-04**			**2.78E-04**

Table A-5
TOCDF LIC1 HD Data

Decane,3-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decane,4-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Decanol, 2-ethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Diallate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Dibromochloromethane	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
Diethylene glycol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Dihydrosafrole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Diisopropyl methyl phosphonate	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Dioxathion	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Dodecane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Dodecane 2-cyclohexyl-, 2-cyclohexyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Erucylamide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Ethanol, 2-(2-Butoxyethoxy)- (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Ethyl parathion	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Furan, tetrahydro-2,5-dimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Ethylbenzene (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	8.39E-04	Y	2.10E-04	8.39E-04	4.20E-04	7.03E-04	7.03E-04	Y	1.04	7.32E-04	7.32E-04
Heptachlor	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptadecane, 7-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,2,4-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,2,5,5-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,3,3,5-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,3,4-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,3-ethyl-2methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,4-ethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,4-ethyl-2,2,6,6-tetra	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Heptane,5-ethyl-2,-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexachlorophene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexachloropropene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexadecane,2,6,10,14-tetramet	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexadecanoic acid	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexanoic Acid (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexanoic Acid, 2-Ethyl- (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexatriacontane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Hexonoic Acid, -Ethyl- (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Isosafrole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Methane,tribromo-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Methapyrilene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Methoxychlor	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Methyl cyclohexane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Methyl nitrite	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
N,N'-Diisopropylcarbodiimide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Naphthalene,decahydro,trans	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
n-Decane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
n-Hexane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nitrous, acid, methyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
N-Nitrosodiethylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
N-Nitrosomethylethylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
N-Nitrosomorpholine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
N-Nitrosopyrrolidine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nonacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nonane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nonane,2,6-dimethyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nonane,2-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nonane,3-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nonane,4-methyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Nonanol	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octacosane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octadeconoic acid	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octane,2,2,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octane,2,3,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octane,2,5,6-trimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octane,2,5-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octane,3,3-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octane,3,5-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Octane,3,6-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Oxirane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Pentachloroethane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Phenol, 2-(2H-benzotriazol-2-yl)4-methyl	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Phenol, 3-fluoro-4-nitro-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Phenol,4,4'-butylene bis [2-1,1-dimethylethyl]	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
p-Phenylenediamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
p-Toludine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Pyridine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Quinoline	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Safrole	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Silicic acid, tetramethyl ester	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Squalene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Thipene,2,3-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Toluene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
trans-1,4-Dichloro-2-butene	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Tributylamine	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Trichlorofluoromethane (TIC)	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Tridecane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Triphenyl phophine oxide	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Undecane	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Undecane-2,6-dimethyl-	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Vinyl Acetate	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	N	1.69E-07	1.69E-07	2.90E-15	1.69E-07	1.69E-07	N	1.04	1.75E-07	6.26E-07
TIC Subtotals									**2.21E-05**	**8.60E-05**			**7.22E-05**			**7.51E-05**	**2.78E-04**

Table A-5
TOCDF LIC1 HD Data

Miscellaneous Analytes	FEED SCALED EMISSION RATES FOR TOCDF Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	MAXIMUM TOCDF EMISSION RATE[1] (g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	BL[10]	MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8] (g/s)
H	4.92E-05	N	4.92E-05	N	4.92E-05	N	4.92E-05	N	4.92E-05	4.92E-05	0.00E+00	4.92E-05	4.92E-05	N	1.04	5.12E-05
Chlorine	1.21E-02	N	1.32E-02	N	9.47E-03	N	1.02E-02	N	1.13E-02	1.32E-02	1.73E-03	1.33E-02	1.32E-02	N	1.04	1.38E-02
Hydrogen Chloride	6.38E-04	N	6.94E-04	N	2.12E-03	Y	5.35E-04	N	9.95E-04	2.12E-03	7.49E-04	1.88E-03	1.88E-03	Y	1.04	1.95E-03
Hydrogen Fluoride	9.11E-03	N	9.92E-03	N	7.10E-03	N	7.64E-03	N	8.44E-03	9.92E-03	1.30E-03	9.97E-03	9.92E-03	N	1.04	1.03E-02
Nitroglycerin	0.00E+00	N	0.00E+00	N	0.00E+00	N	0.00E+00	N	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N	1.04	0.00E+00
Semi-Volatile TO	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Non-Volatile TO	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Volatile TO	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Particulate	1.19E-03	Y	9.63E-03	Y	6.61E-03	Y	6.59E-03	Y	6.01E-03	9.63E-03	3.51E-03	1.01E-02	9.63E-03	Y	1.04	1.00E-02
RDX	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
HMX	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00

Dioxins and Furans	FEED SCALED EMISSION RATES FOR TOCDF Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	MAXIMUM TOCDF EMISSION RATE[1] (g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	BL[10]	MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8] (g/s)	QA/QC2 FEED RATE CORRECTION FACTOR(4) (g/s)	IRAP-h EMISSION RATE[5] QA/QC2 Corrected (g/s)
2,3,7,8-TCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
TCDD[9]	**4.73E-11**	**Y**	**4.01E-11**	**Y**	**2.99E-11**	**Y**	**3.42E-11**	**Y**	**3.79E-11**	**4.73E-11**	**7.56E-12**	**4.68E-11**	**4.68E-11**	**Y**	**1.04**	**4.86E-11**	**1.21E-02**	**5.89E-13**
1,2,3,7,8-PeCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
PeCDD[9]	**2.37E-10**	**Y**	**2.00E-10**	**Y**	**1.50E-10**	**Y**	**1.71E-10**	**Y**	**1.89E-10**	**2.37E-10**	**3.78E-11**	**2.34E-10**	**2.34E-10**	**Y**	**1.04**	**2.43E-10**	**1.55E-02**	**3.77E-12**
1,2,3,4,7,8-HxCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
1,2,3,6,7,8-HxCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
1,2,3,7,8,9-HxCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
Hexa CDD[9]	**2.37E-10**	**Y**	**2.00E-10**	**Y**	**1.50E-10**	**Y**	**1.71E-10**	**Y**	**1.89E-10**	**2.37E-10**	**3.78E-11**	**2.34E-10**	**2.34E-10**	**Y**	**1.04**	**2.43E-10**	**1.01E-02**	**2.45E-12**
1,2,3,4,6,7,8-HpCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
Hepta CDD[9]	**2.37E-10**	**Y**	**2.00E-10**	**Y**	**1.50E-10**	**Y**	**1.71E-10**	**Y**	**1.89E-10**	**2.37E-10**	**3.78E-11**	**2.34E-10**	**2.34E-10**	**Y**	**1.04**	**2.43E-10**	**5.42E-04**	**1.32E-13**
OCDD[9]	**4.73E-10**	**Y**	**4.01E-10**	**Y**	**2.99E-10**	**Y**	**3.66E-10**	**Y**	**3.85E-10**	**4.73E-10**	**7.26E-11**	**4.70E-10**	**4.70E-10**	**Y**	**1.04**	**4.89E-10**	**5.39E-05**	**2.63E-14**
2,3,7,8-TCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
TCDF[9]	**7.22E-11**	**Y**	**4.01E-11**	**Y**	**2.99E-11**	**Y**	**3.42E-11**	**Y**	**4.41E-11**	**7.22E-11**	**1.92E-11**	**6.67E-11**	**6.67E-11**	**Y**	**1.04**	**6.93E-11**	**3.55E-02**	**2.46E-12**
1,2,3,7,8-PeCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
2,3,4,7,8-PeCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
Penta CDF[9]	**2.53E-10**	**Y**	**2.06E-10**	**Y**	**1.50E-10**	**Y**	**1.71E-10**	**Y**	**1.95E-10**	**2.53E-10**	**4.53E-11**	**2.48E-10**	**2.48E-10**	**Y**	**1.04**	**2.58E-10**	**2.18E-02**	**5.64E-12**
1,2,3,4,7,8-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
1,2,3,6,7,8-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
2,3,4,6,7,8-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
1,2,3,7,8,9-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
Hexa CDF[9]	**2.37E-10**	**Y**	**2.00E-10**	**Y**	**1.50E-10**	**Y**	**3.75E-10**	**Y**	**2.40E-10**	**3.75E-10**	**9.66E-11**	**3.54E-10**	**3.54E-10**	**Y**	**1.04**	**3.68E-10**	**7.64E-03**	**2.82E-12**
1,2,3,4,6,7,8-HpCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
1,2,3,4,7,8,9-HpCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00
Hepta CDF[9]	**2.08E-10**	**Y**	**2.00E-10**	**Y**	**1.50E-10**	**Y**	**6.36E-10**	**Y**	**2.99E-10**	**6.36E-10**	**2.26E-10**	**5.65E-10**	**5.65E-10**	**Y**	**1.04**	**5.87E-10**	**6.29E-04**	**3.69E-13**
OCDF[9]	**4.73E-10**	**Y**	**4.01E-10**	**Y**	**2.99E-10**	**Y**	**3.42E-10**	**Y**	**3.79E-10**	**4.73E-10**	**7.56E-11**	**4.68E-10**	**4.68E-10**	**Y**	**1.04**	**4.86E-10**	**2.49E-05**	**1.21E-14**
Dioxin and Furan Subtotals									**2.15E-09**	**3.04E-09**			**2.92E-09**			**3.04E-09**	**1.04E-01**	**1.83E-11**

PCB	FEED SCALED EMISSION RATES FOR TOCDF Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	MAXIMUM TOCDF EMISSION RATE[1] (g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	BL[10]	MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8] (g/s)
Total monochlorbiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total dichlorobyphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total trichlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3,3',4,4'-TetraCB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total Tetrachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3',4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3,3',4,4'-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3,4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2',3,4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3,3',4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total Pentachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3,3',4,4',5-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3,3',4,4',5'-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3',4,4',5,5'-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
3,3',4,4',5,5'-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total Hexachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,3,3',4,4',5,5'-Hepta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,2',3,4,4',5,5'-Hepta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
2,2',3,3',4,4',5-Hepta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total Heptachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total Octachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Total Nonachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
Deca CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00
PCB Subtotals									**0.00E+00**	**0.00E+00**			**0.00E+00**			**0.00E+00**

Table A-5
TOCDF LIC1 HD Data

	FLOW RATE SCALED EMISSION RATES									MAXIMUM TOCDF EMISSION RATE[1]	Standard Deviation	95% UCL	Final Emission Rate		MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8]	MAXIMUM IRAP-h EMISSION RATE[7]
	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	(g/s)	(g/s)	(g/s)	(g/s)	BL[10]		(g/s)	(g/s)
H	4.92E-05	N	4.92E-05	N	4.92E-05	N	4.92E-05	N	4.92E-05	4.92E-05	0.00E+00	4.92E-05	4.92E-05	N	1.04	5.12E-05	5.12E-05
Chlorine	3.28E-03	N	4.74E-03	N	4.54E-03	N	4.34E-03	N	4.23E-03	4.74E-03	6.52E-04	4.99E-03	4.74E-03	N	1.04	4.93E-03	1.38E-02
Hydrogen Chloride	1.72E-04	N	2.49E-04	N	1.01E-03	Y	2.28E-04	N	4.16E-04	1.01E-03	4.00E-04	8.86E-04	8.86E-04	Y	1.04	9.21E-04	1.95E-03
Hydrogen Fluoride	2.46E-03	N	3.56E-03	N	3.40E-03	N	3.26E-03	N	3.17E-03	3.56E-03	4.89E-04	3.74E-03	3.56E-03	N	1.04	3.70E-03	1.03E-02
Nitroglycerin	0.00E+00	N	0.00E+00	N	0.00E+00	N	0.00E+00	N	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	N	1.04	0.00E+00	0.00E+00
Semi-Volatile TO	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Non-Volatile TO	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Volatile TO	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Particulate	3.22E-04	Y	3.46E-03	Y	3.17E-03	Y	2.81E-03	Y	2.44E-03	3.46E-03	1.44E-03	4.13E-03	3.46E-03	Y	1.04	3.59E-03	1.00E-02
RDX	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
HMX	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00

	FLOW RATE SCALED EMISSION RATES									MAXIMUM TOCDF EMISSION RATE[1]	Standard Deviation	95% UCL	Final Emission Rate		MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8]	QA/QC2 FLOW RATE CORRECTION FACTOR(6)	IRAP-h EMISSION RATE QA/QC2 Corrected[5]	MAXIMUM IRAP-h EMISSION RATE[7]
	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	(g/s)	(g/s)	(g/s)	(g/s)	BL[10]		(g/s)	(g/s)	(g/s)	(g/s)
2,3,7,8-TCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	4.86E-11
TCDD[9]	**1.28E-11**	**Y**	**1.44E-11**	**Y**	**1.43E-11**	**Y**	**1.46E-11**	**Y**	**1.40E-11**	**1.46E-11**	**8.32E-13**	**1.50E-11**	**1.46E-11**	**Y**	**1.04**	**1.52E-11**	**2.78E-02**	**4.21E-13**	**4.86E-11**
1,2,3,7,8-PeCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	2.43E-10
PeCDD[9]	**6.39E-11**	**Y**	**7.19E-11**	**Y**	**7.16E-11**	**Y**	**7.29E-11**	**Y**	**7.01E-11**	**7.29E-11**	**4.16E-12**	**7.50E-11**	**7.29E-11**	**Y**	**1.04**	**7.58E-11**	**3.56E-02**	**2.70E-12**	**2.43E-10**
1,2,3,4,7,8-HxCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	2.43E-10
1,2,3,6,7,8-HxCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	2.43E-10
1,2,3,7,8,9-HxCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	2.43E-10
Hexa CDD[9]	**6.39E-11**	**Y**	**7.19E-11**	**Y**	**7.16E-11**	**Y**	**7.29E-11**	**Y**	**7.01E-11**	**7.29E-11**	**4.16E-12**	**7.50E-11**	**7.29E-11**	**Y**	**1.04**	**7.58E-11**	**2.31E-02**	**1.75E-12**	**2.43E-10**
1,2,3,4,6,7,8-HpCDD	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	2.43E-10
Hepta CDD[9]	**6.39E-11**	**Y**	**7.19E-11**	**Y**	**7.16E-11**	**Y**	**7.29E-11**	**Y**	**7.01E-11**	**7.29E-11**	**4.16E-12**	**7.50E-11**	**7.29E-11**	**Y**	**1.04**	**7.58E-11**	**1.24E-03**	**9.43E-14**	**2.43E-10**
OCDD[9]	**1.28E-10**	**Y**	**1.44E-10**	**Y**	**1.43E-10**	**Y**	**1.56E-10**	**Y**	**1.43E-10**	**1.56E-10**	**1.15E-11**	**1.56E-10**	**1.56E-10**	**Y**	**1.04**	**1.62E-10**	**1.24E-04**	**2.01E-14**	**4.89E-10**
2,3,7,8-TCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	6.93E-11
TCDF[9]	**1.95E-11**	**Y**	**1.44E-11**	**Y**	**1.43E-11**	**Y**	**1.46E-11**	**Y**	**1.57E-11**	**1.95E-11**	**2.53E-12**	**1.87E-11**	**1.87E-11**	**Y**	**1.04**	**1.94E-11**	**8.15E-02**	**1.58E-12**	**6.93E-11**
1,2,3,7,8-PeCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	2.58E-10
2,3,4,7,8-PeCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	2.58E-10
Penta CDF[9]	**6.84E-11**	**Y**	**7.41E-11**	**Y**	**7.16E-11**	**Y**	**7.29E-11**	**Y**	**7.17E-11**	**7.41E-11**	**2.46E-12**	**7.46E-11**	**7.41E-11**	**Y**	**1.04**	**7.70E-11**	**5.01E-02**	**3.86E-12**	**2.58E-10**
1,2,3,4,7,8-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	3.68E-10
1,2,3,6,7,8-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	3.68E-10
2,3,4,6,7,8-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	3.68E-10
1,2,3,7,8,9-HxCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	3.68E-10
Hexa CDF[9]	**6.39E-11**	**Y**	**7.19E-11**	**Y**	**7.16E-11**	**Y**	**1.60E-10**	**Y**	**9.19E-11**	**1.60E-10**	**4.56E-11**	**1.45E-10**	**1.45E-10**	**Y**	**1.04**	**1.51E-10**	**1.75E-02**	**2.65E-12**	**3.68E-10**
1,2,3,4,6,7,8-HpCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	5.87E-10
1,2,3,4,7,8,9-HpCDF	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00	0.00E+00	5.87E-10
Hepta CDF[9]	**5.62E-11**	**Y**	**7.19E-11**	**Y**	**7.16E-11**	**Y**	**2.71E-10**	**Y**	**1.18E-10**	**2.71E-10**	**1.03E-10**	**2.38E-10**	**2.38E-10**	**Y**	**1.04**	**2.48E-10**	**1.44E-03**	**3.58E-13**	**5.87E-10**
OCDF[9]	**1.28E-10**	**Y**	**1.44E-10**	**Y**	**1.43E-10**	**Y**	**1.46E-10**	**Y**	**1.40E-10**	**1.46E-10**	**8.32E-12**	**1.50E-10**	**1.46E-10**	**Y**	**1.04**	**1.52E-10**	**5.72E-05**	**8.67E-15**	**4.86E-10**
Dioxin and Furan Subtotals									**8.04E-10**	**1.06E-09**			**1.01E-09**			**1.05E-09**	**2.38E-01**	**1.34E-11**	**3.04E-09**

	FLOW RATE SCALED EMISSION RATES									MAXIMUM TOCDF EMISSION RATE[1]	Standard Deviation	95% UCL	Final Emission Rate		MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8]	MAXIMUM IRAP-h EMISSION RATE[7]
	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	(g/s)	(g/s)	(g/s)	(g/s)	BL[10]		(g/s)	(g/s)
PCB																	
Total monochlorbiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total dichlorobyphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total trichlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
3,3',4,4'-TetraCB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total Tetrachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,3',4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,3,3',4,4'-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,3,4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2',3,4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
3,3',4,4',5-Penta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total Pentachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,3,3',4,4',5-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,3,3',4,4',5'-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,3',4,4',5,5'-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
3,3',4,4',5,5'-Hexa CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total Hexachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,3,3',4,4',5,5'-Hepta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,2',3,4,4',5,5'-Hepta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
2,2',3,3',4,4',5-Hepta CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total Heptachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total Octachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Total Nonachlorobiphenyls	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
Deca CB	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.04	0.00E+00	0.00E+00
PCB Subtotals									**0.00E+00**	**0.00E+00**			**0.00E+00**			**0.00E+00**	**0.00E+00**

Table A-5
TOCDF LIC1 HD Data

	FEED SCALED EMISSION RATES FOR TOCDF															
Metals	**Run 1 (g/s)**	**BL[10]**	**Run 2 (g/s)**	**BL[10]**	**Run 3 (g/s)**	**BL[10]**	**Run 4 (g/s)**	**BL[10]**	**Mean (g/s)**	**MAXIMUM TOCDF EMISSION RATE[1] (g/s)**	**Standard Deviation (g/s)**	**95% UCL (g/s)**	**Final Emission Rate (g/s)**	**BL[10]**	**MODIFIER FOR UPSET CONDITIONS[2]**	**IRAP-h EMISSION RATE[8] (g/s)**
Aluminum	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.0	0.00E+00
Antimony	5.75E-05	N	4.93E-05	N	3.75E-05	N	4.10E-05	N	4.63E-05	5.75E-05	8.95E-06	5.69E-05	5.69E-05	N	1.0	5.69E-05
Arsenic	1.44E-05	Y	1.23E-05	Y	6.16E-05	Y	1.03E-05	Y	2.46E-05	6.16E-05	2.47E-05	5.37E-05	5.37E-05	Y	1.0	5.37E-05
Barium	5.75E-05	N	4.93E-05	N	3.75E-05	N	4.10E-05	N	4.63E-05	5.75E-05	8.95E-06	5.69E-05	5.69E-05	N	1.0	5.69E-05
Beryllium	1.15E-05	N	9.86E-06	N	7.51E-06	N	8.20E-06	N	9.27E-06	1.15E-05	1.79E-06	1.14E-05	1.14E-05	N	1.0	1.14E-05
Boron	4.34E-04	Y	4.67E-04	Y	6.29E-04	Y	3.92E-04	Y	4.80E-04	6.29E-04	1.04E-04	6.02E-04	6.02E-04	Y	1.0	6.02E-04
Cadmium	1.44E-05	N	1.23E-05	N	9.38E-06	N	1.03E-05	N	1.16E-05	1.44E-05	2.24E-06	1.42E-05	1.42E-05	N	1.0	1.42E-05
Chromium	9.24E-06	Y	7.40E-06	Y	1.16E-05	Y	1.11E-05	Y	9.85E-06	1.16E-05	1.94E-06	1.21E-05	1.16E-05	Y	1.0	1.16E-05
Hexavalent Chromium	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.0	0.00E+00
Cobalt	2.88E-05	N	2.47E-05	N	1.88E-05	N	2.05E-05	N	2.32E-05	2.88E-05	4.47E-06	2.84E-05	2.84E-05	N	1.0	2.84E-05
Copper	2.88E-05	N	2.47E-05	N	2.34E-05	Y	2.05E-05	N	2.43E-05	2.88E-05	3.43E-06	2.84E-05	2.84E-05	Y	1.0	2.84E-05
Lead	2.88E-05	N	2.47E-05	N	1.34E-04	Y	2.19E-05	Y	5.24E-05	1.34E-04	5.47E-05	1.17E-04	1.17E-04	Y	1.0	1.17E-04
Manganese	4.66E-05	Y	1.78E-04	Y	1.86E-04	Y	7.65E-04	Y	2.94E-04	7.65E-04	3.20E-04	6.71E-04	6.71E-04	Y	1.0	6.71E-04
Mercury	2.07E-05	N	1.77E-05	N	2.75E-05	Y	1.80E-05	Y	2.10E-05	2.75E-05	4.52E-06	2.63E-05	2.63E-05	Y	1.0	2.63E-05
Nickel	2.88E-05	N	2.47E-05	N	1.88E-05	N	2.05E-05	N	2.32E-05	2.88E-05	4.47E-06	2.84E-05	2.84E-05	N	1.0	2.84E-05
Phosphorus	2.25E-04	Y	2.54E-04	Y	2.91E-04	Y	2.42E-04	Y	2.53E-04	2.91E-04	2.79E-05	2.86E-04	2.86E-04	Y	1.0	2.86E-04
Selenium	2.88E-05	N	2.47E-05	N	2.95E-05	Y	2.05E-05	N	2.58E-05	2.95E-05	4.15E-06	3.07E-05	2.95E-05	Y	1.0	2.95E-05
Silver	5.75E-05	N	4.93E-05	N	3.75E-05	N	4.10E-05	N	4.63E-05	5.75E-05	8.95E-06	5.69E-05	5.69E-05	N	1.0	5.69E-05
Thallium	5.75E-06	N	4.93E-06	N	3.75E-06	N	4.10E-06	N	4.63E-06	5.75E-06	8.95E-07	5.69E-06	5.69E-06	N	1.0	5.69E-06
Tin	5.75E-05	N	4.93E-05	N	4.45E-05	Y	4.10E-05	N	4.81E-05	5.75E-05	7.16E-06	5.65E-05	5.65E-05	Y	1.0	5.65E-05
Vanadium	1.15E-05	N	9.86E-06	N	7.51E-06	N	3.42E-05	Y	1.58E-05	3.42E-05	1.24E-05	3.04E-05	3.04E-05	Y	1.0	3.04E-05
Zinc	9.72E-05	Y	8.46E-04	Y	1.34E-04	Y	1.57E-04	Y	3.09E-04	8.46E-04	3.59E-04	7.31E-04	7.31E-04	Y	1.0	7.31E-04
Metals Subtotals									**1.77E-03**	**3.18E-03**			**2.90E-03**			**2.90E-03**

Table A-5
TOCDF LIC1 HD Data

	FLOW RATE SCALED EMISSION RATES									MAXIMUM TOCDF EMISSION RATE[1]	Standard Deviation	95% UCL	Final Emission Rate		MODIFIER FOR UPSET CONDITIONS[2]	IRAP-h EMISSION RATE[8]	MAXIMUM IRAP-h EMISSION RATE[7]
	Run 1 (g/s)	BL[10]	Run 2 (g/s)	BL[10]	Run 3 (g/s)	BL[10]	Run 4 (g/s)	BL[10]	Mean (g/s)	(g/s)	(g/s)	(g/s)	(g/s)	BL[10]		(g/s)	(g/s)
Aluminum	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.0	0.00E+00	0.00E+00
Antimony	1.55E-05	N	1.77E-05	N	1.80E-05	N	1.75E-05	N	1.72E-05	1.80E-05	1.11E-06	1.85E-05	1.80E-05	N	1.0	1.80E-05	5.69E-05
Arsenic	3.88E-06	Y	4.42E-06	Y	2.95E-05	Y	4.37E-06	Y	1.05E-05	2.95E-05	1.26E-05	2.54E-05	2.54E-05	Y	1.0	2.54E-05	5.37E-05
Barium	1.55E-05	N	1.77E-05	N	1.80E-05	N	1.75E-05	N	1.72E-05	1.80E-05	1.11E-06	1.85E-05	1.80E-05	N	1.0	1.80E-05	5.69E-05
Beryllium	3.11E-06	N	3.54E-06	N	3.59E-06	N	3.50E-06	N	3.43E-06	3.59E-06	2.22E-07	3.70E-06	3.59E-06	N	1.0	3.59E-06	1.14E-05
Boron	1.17E-04	Y	1.68E-04	Y	3.01E-04	Y	1.67E-04	Y	1.88E-04	3.01E-04	7.90E-05	2.81E-04	2.81E-04	Y	1.0	2.81E-04	6.02E-04
Cadmium	3.88E-06	N	4.42E-06	N	4.49E-06	N	4.37E-06	N	4.29E-06	4.49E-06	2.78E-07	4.62E-06	4.49E-06	N	1.0	4.49E-06	1.42E-05
Chromium	2.49E-06	Y	2.65E-06	Y	5.57E-06	Y	4.75E-06	Y	3.87E-06	5.57E-06	1.53E-06	5.67E-06	5.57E-06	Y	1.0	5.57E-06	1.16E-05
Hexavalent Chromium	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	S	1.0	0.00E+00	1.16E-05
Cobalt	7.77E-06	N	8.84E-06	N	8.99E-06	N	8.74E-06	N	8.59E-06	8.99E-06	5.55E-07	9.24E-06	8.99E-06	N	1.0	8.99E-06	2.84E-05
Copper	7.77E-06	N	8.84E-06	N	1.12E-05	Y	8.74E-06	N	9.14E-06	1.12E-05	1.46E-06	1.09E-05	1.09E-05	Y	1.0	1.09E-05	2.84E-05
Lead	7.77E-06	N	8.84E-06	N	6.43E-05	Y	9.36E-06	Y	2.26E-05	6.43E-05	2.79E-05	5.53E-05	5.53E-05	Y	1.0	5.53E-05	1.17E-04
Manganese	1.26E-05	Y	6.40E-05	Y	8.91E-05	Y	3.26E-04	Y	1.23E-04	3.26E-04	1.39E-04	2.87E-04	2.87E-04	Y	1.0	2.87E-04	6.71E-04
Mercury	5.59E-06	N	6.37E-06	N	1.32E-05	Y	7.70E-06	Y	8.20E-06	1.32E-05	3.42E-06	1.22E-05	1.22E-05	Y	1.0	1.22E-05	2.63E-05
Nickel	7.77E-06	N	8.84E-06	N	8.99E-06	N	8.74E-06	N	8.59E-06	8.99E-06	5.55E-07	9.24E-06	8.99E-06	N	1.0	8.99E-06	2.84E-05
Phosphorus	6.08E-05	Y	9.10E-05	Y	1.39E-04	Y	1.03E-04	Y	9.86E-05	1.39E-04	3.25E-05	1.37E-04	1.37E-04	Y	1.0	1.37E-04	2.86E-04
Selenium	7.77E-06	N	8.84E-06	N	1.41E-05	Y	8.74E-06	N	9.87E-06	1.41E-05	2.87E-06	1.32E-05	1.32E-05	Y	1.0	1.32E-05	2.95E-05
Silver	1.55E-05	N	1.77E-05	N	1.80E-05	N	1.75E-05	N	1.72E-05	1.80E-05	1.11E-06	1.85E-05	1.80E-05	N	1.0	1.80E-05	5.69E-05
Thallium	1.55E-06	N	1.77E-06	N	1.80E-06	N	1.75E-06	N	1.72E-06	1.80E-06	1.11E-07	1.85E-06	1.80E-06	N	1.0	1.80E-06	5.69E-06
Tin	1.55E-05	N	1.77E-05	N	2.13E-05	Y	1.75E-05	N	1.80E-05	2.13E-05	2.40E-06	2.08E-05	2.08E-05	Y	1.0	2.08E-05	5.65E-05
Vanadium	3.11E-06	N	3.54E-06	N	3.59E-06	N	1.46E-05	Y	6.21E-06	1.46E-05	5.60E-06	1.28E-05	1.28E-05	Y	1.0	1.28E-05	3.04E-05
Zinc	2.62E-05	Y	3.04E-04	Y	6.41E-05	Y	6.70E-05	Y	1.15E-04	3.04E-04	1.27E-04	2.65E-04	2.65E-04	Y	1.0	2.65E-04	7.31E-04
Metals Subtotals									**6.91E-04**	**1.33E-03**			**1.21E-03**			**1.21E-03**	**2.91E-03**

TOE Analysis	**g/s**
Subtotal TIC	2.78E-04
Subtotal Dioxin and Furans	3.04E-09
Subtotal PCB	0.00E+00
Subtotal VOC	2.37E-03
Subtotal Semivolatiles	0.00E+00
Subtotal Agent	0.00E+00
Total Identified Compounds	2.65E-03
TOTOTAL = TOvoc+TOsvoc+TOGRAV	**0.00E+00**
TOE Modifier	**1.00E+00** (No TO Data)

Notes:

BL	Boolean	HpCDF	Heptachlorodibenzofuran	SVOC	Semivolatile organic coumpounds
CDD	chlorodibenzo(p)dioxin	HxCDD	Hexachlorodibenzo(p)dioxin	TCDD	Tetrachlorodibenzo(p)dioxin
CDF	chlorodibenzofuran	HxCDF	Hexachlorodibenzofuran	TCDF	Tetrachlorodibenzofuran
FOB:	Fuel only burn	IRAP-h	Industrial Risk Assessment Program-Health	TIC	Tenatively identified compounds
g/sec:	Grams per second	MAX	Maximum	TO	Total organics
GB	Isopropyl methylphosphonofluoridate	OCDD	Octachlorodibenzo(p)dioxin	TOCDF	Tooele Chemical Demilitarization Facility
HCl	Hydrogen chloride	OCDF	Octachlorodibenzofuran	TOE	Total organic emission
HD	Di-2-chloroethylsulfide	PeCDD	Pentachlorodibenzo(p)dioxin	UCL	Upper confidence level
HF	Hydrogen fluoride	PeCDF	Pentachlorodibenzofuran	VOC	Volatile organic compounds
HpCDD	Heptachlorodibenzo(p)dioxin	QA/QC	Quality assurance and quality control	VX	O-ethyl-S[2-diisopropylaminoethly]-methyl phosphonothiolate

1 The maximum of all run data for the analyte.
2 Upset factors were based on the *TOCDF Incinerator Upset Conditions Estimate for 1998 Process Data Acquisition and Recording System Review* (EG&G 1999b). The emission rate multipliers are based on the percent of time each incinerator operates at non-peak performance (upset conditions). EG&G analyzed TOCDF facility operating records and data for the MPF, DFS, LIC1, and LIC2. These factors are derived by assuming that COPC emission rates during process upsets are 10 times greater than COPC emission rates measured during the trial burn test. Since a unit does not operate under upset conditions continually, the factor must be adjusted to account for only the period of time, on an annual basis, that a unit operates under upset conditions. Please refer to the protocol document for a more detailed discussion of upset factors.
3 The emission rate is the product of the maximum emission rate and the upset emission factor in accordance with EPA1998.
4 The average feed factor is the ratio of feed scaled emission rates to test data for the TOCDF LIC1 and 2 GB tests.
This factor was applied to TOCDF LIC HD dioxin and furan feed rate scaled emission rates to obtain the QA/QC corrected emission rates.
5 The factor was corrected using the average feed or flow rate correction factor, as described in Notes 4 and 6.
6 The average flow factor is the ratio of flow scaled flow rates to test data for the TOCDF LIC1 and 2 GB tests.
This factor was applied to TOCDF LIC HD dioxin and furan flow rate scaled emission rates to obtain the QA/QC corrected emission rates.
7 The maximum emission rate is the maximum between the feed and flow scaled emission rates.
8 The emission rate is the product of the maximum emission rate and the upset emission factor in accordance with EPA1998.
9 Congener group sum is an analytical result reported in the trial burn test or test burn.
10 In the Boolean column, the "N" citation denotes that the analyte was not detected in any component of the referenced sample train.
The "Y" citation denotes that the analyte was detected in one or more components of the referenced sample train.
The "S" citation indicates that the analyte was not included in the analysis for this agent trial burn or test burn.