

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
ANSON MADISON	920408	<3	<3
	921001	<3	20
BREWER	920624	<5.9	
	930429	<3.9	
	941129	7.4	
	950503	<3.6	
	960416	<10	
	000501	<10	
GEORGIA PACIFIC OLD TOWN	880630	39	
	890131	27	120
	890222	210	340
	890223	92	290
	890224	77	340
	890320		34
	890324		24
	890325	36	73
	890405	30	110
	890410	17	52
	890411	32	89
	890824	32	94
	890831	13	150
	890911	<4.1	14
	890915	<3.3	<8.1
	890921	<5.7	13
	890927	<5.3	9.7
	891011	<3	11
	891019	<5.2	14
	891102	<6	18
	891106	6.7	22
	891114	<9.5	<7.1
	891127	<6.4	20
	891206	<8.4	13
	891213	<8.3	20
	891221	<4.7	23
	900105	<6.8	<8.3
	900111	<9	<8.5
	900118	<5.9	6.1
	900125	<6.7	10
	900207	<4.6	17
	900214	<6.6	23
	900222	<7.3	15
900301	<6	11	
900308	<3	12	
900315	<4	16	
900329	<7.4	14	
900407	<7.2	24	
900502	<7	19	
900729	<9.9	49	
910330	17	70	
910430	19	65	

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	910530	9.5	41
	910630	6.8	43
	910830	11	66
	911030		7.9
	911130	<7.7	<16
	920330	<5.7	50
	920730	16	69
	920830	<4.9	23
	921030	<3.0	
	921230	4.8	
	930130	<5.0	14
	930330	<4.9	12
	930530	<4.2	11
	930630	<2.8	15
	930830	<1.6	9.2
	930930	<3.5	7.6
	931130	<3.1	32
	931230	<3.2	19
	940230	<4.8	7.7
	940330	<4.6	12
	940530	<1.5	<4.5
	940630	<3.5	9.2
	940830	<2.0	<4.8
	940930	<4.6	<6.8
	941130	<9.5	<10
	941230	<1.1	5.8
	942730	<1.1	5.8
	950130	<2.4	8.2
	950119	<2.4	8.2
	951230	<1.1	5.8
	950430	<1.4	5.6
	950430	8	36
	950421	<1.4	5.6
	950622	<2	6.8
	950928	<3.8	8.1
	951129	<5.4	13
	951228	<1.4	6.2
	980115	BPA <2.8	<5.8
		BPB <11	53
	980130	<3	9.4
		BPA <2.9	18
		BPB <2.8	8.9
	980219	BPA <1.7	12
		BPB <3.9	39
	980230	<2.6	8.7
	980328	BPA <5.8	11
		BPB <5.2	13
	980330	<2	9.1
	980730	<3	<4
	980830	BP <3.5	BP <4.2
	980930	<3.2	<4.8
		BP 5.9	BP 28

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)		TCDF (pg/l)
	981030	<3.2		<4.8
	BP	<3.5	BP	<4.2
	981130	<5.5		<5.4
	BP	<3.4	BP	<4.6
	981230	<1.6		8.7
	BP	<3.1	BP	6.5
	990130	<3.4		<2.6
	BP	<3	BP	<3.9
	990230	<10		<10
	BP	<10	BP	<10
	990330	<2.3	BP	<1.8
	990530	<1.9<4.7		<2.9<3.3
	BP	<3.2	BP	<4.8
	990630	<1.3		<1.8
	BP	<2.3	BP	7.3
	990730	<.93		<1.4
	BP	<2.6	BP	<1.8
	990930	<.68		<2.1
	BP	<1.3	BP	<5
	991030	<2.5		<2.1
	BP	<3	BP	<3.6
	000130	<8.4		<4.9
	BP	<9.0	BP	<5.4
	000330	<3.4		<3.1
	BP	<2.9	BP	<2.3
	000430	<7.4		<7.6
	BP	<5.0	BP	<5.5
	000630	<2.2		<1.5
	BP	<4.0	BP	<3.0
	000830	<1.2		<1.1
	BP	<3.0	BP	<3.2
	001030	<2.3		<2.6
	BP	<3.4	BP	<3.4
	001130	<2.7		<1.4
	BP	<2.7	BP	<3.2
	010130	<3.3		<2.1
	BP	<3.9	BP	<3.1
	010330	<4.7		<3.2
	BP	<2.4	BP	<4.5
	010530	<2.9		<2.5
	BP	<6.7	BP	<5.4
	010630	<1.7		<1.5
	BP	<3.2	BP	<3.2
	010730	<2.0		<1.5
	BP	<2.7	BP	<2.2
	010930	<3.2		<2.5
	BP	<2.3	BP	<1.7
	011130	<4.7		<3.9
	BP	<3.4	BP	<2.6
	020115	<2.7		<1.9
	BP	<2.5	BP	<1.8
	020225	<4.2		<3.0
	BP	<3.9	BP	<4.2

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)		TCDF (pg/l)
	020416	<1.4		<1.5
	020416	<2.4	BP	<2.3
	020625	<4.1		<4.4
	020730	ND		ND
	020723	<4.1	BP	<2.5
	020830	ND		ND
	021010	<3.2	BP	<3.1
	020930	<4.7		<3.1
	021030	<3.2		<3.1
	021130	<10		<10
	021106	<10	BP	<10
	021230	<0.69		<1.6
	021203	<0.69	BP	<1.6
	030130	<0.49		<0.93
	030230	<1.4		<1.6
	030330	<1.8		<1.5
	030430	<1.4		<2.4
	030530	<6.8		<8.9
	030630	<5.0		<3.6
	030730	<2.2		<1.4
	030830	<3.4		<3.2
	030930	<7.0		<5.1
	031030	NS		NS
	031130	<10		<10
	031230	<2.9		<1.7
	040130	<10	BP	<10
	040230	<10	BP	<10
	040330	<10	BP	<10
	040430	<10	BP	<10
	040530	<10	BP	<10
	040630	<1.6	BP	<1.2
	040730	<3.1	BP	<2.1
	040830	<10	BP	<10
	040930	<10	BP	<10
	041030	<10	BP	<10
	041130	<10	BP	<10
	050131		BP	<10
	050228	<10	BP	<10
	050331	<10	BP	<10
	050430	<10	BP	<10
	050531	<10	BP	<10
	050630	<3.5	BP	<3.1
	050731	<4.7	BP	<2.2
	050831	<8.4	BP	<7.5
	050930	<0.42	BP	<0.39
	051031	<0.42	BP	<0.39
	051130	0.86	BP	0.96
	051231	0.31	BP	<0.5
	060129	<0.68	BP	<0.72
	060226	<0.69	BP	<0.81
	060326	<0.7	BP	<0.52

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
DOMTAR	880101	6.8	25
Baileyville	900316	<5	4
	900423	<3	<6
	900531	<8	<5
	900619	<3	<1
	900716	<1	<3
	900807	<2	<5
	910630	<10	<10
	910630	<10	<10
	910630	<11	<11
	910630	<11	<11
	910630	<11	<11
	910630	<11	<11
	910630	<10	<10
	910630	<11	<11
	910630	<11	<11
	911231	<10	<10
	911231	<10	<10
	911231	<11	<11
	911231	<11	<11
	911231	<10	<10
	911231	<11	<11
	911231	<10	<10
	911231	<11	<11
	911231	<11	<11
	911231	<11	<11
	911231	<11	<11
	911231	<11	<11
	930408	<10	<10
	930506	<10	<10
	930713	<10	<10
	940530	<10	<10
	941222	<10	<10
	950331	<10	<10
	950630	<10	<10
	950930	<10	<10
	951231	<10	<10
	980330		60
	980421	<10	60
	980825	<10	40
		BP	BP
	981230	<10	10
		BP	BP
	990430	<10	<10
		BP	BP
	990930	<10	<10
		<4	<3
		<2	<6
		BP	BP
		C<2 A<4	C<2 A<7
		BP	BP
		C<5 A<3	C<4 A<3
	991030	<5	<3
		BP	BP
		C<7 A<5	C<8 A<3
	991130	<1	<6
		BP	BP
		C<1 A<2	C<5 A<3A
	000130	<4.2	<3.4
		BP	BP
		C<2.0 A<2.0	C<4.0 A<3.0

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)		TCDF (pg/l)	
		<5.0		<4.0	
		BP	C<3.0 A<3.0	BP	C<3.0 A<2.0
	000930	BP	C<7.1 A<3.4	BP	C<5.6 A<2.4
		BP	C<2.3 A<2.5	BP	C<1.6 A<1.7
	001200	BP	C<5.9 A<3.8	BP	C<5.3 A<2.1
		BP	C<5.1 A<4.0	BP	C<4.0 A<3.0
	020319	BP	C<4.7 A<5.1	BP	C<4.0 A<4.2
	020610		<2.4		<3.1
	020615	BP	C<2.6	BP	C<2.1
	020918	BP	C<1.9 A<1.3	BP	C<4.7 A<1.3
	030211		<4.7		J7.3
	030312	BP	C<4.0 A<2.6	BP	C<4.3 2.6
	031023	BP	C<5.8 A<3.5	BP	C<4.3 A<2.5
	040630	BP	<10	BP	
	060430	BP	<10	BP	<10
	070430	BP	C9.7, A<9.7		C<9.7, A0.87
	080630	BP	C1.2, A1.2		C<9.7, A0.92
INTERNATIONAL PAPER	880101		88		420
VERSO	880715		30		150
Jay	890307		30, E6		100, E20
	890310		16		74
	890616		<8		980
	890621		17		140
	890713		<16		50
	890720	DEP	30		150
	890818		20		110
	900413		<10		90
	910924		<10		60
	910926		<10		60
	911129		50		210
	911219		<20		<80
	920125		20		110
	920126		20		110
	920127		30		100
	920128		30		100
	920129		13.7		49.9
	920312		19.3		65.6
	920320		14.8		73.9
	920423		<13.9		59.1
	920610		<5.7		29.5
	920617		<6.3		30.8
	920723		<8.4		33.6
	920819		6.6		29.7
	920923		<2.6		<2.0
	921111		<6.1		22.4
	921202		<2.6		<14.4
	930125		5.4		19.6
	930222		<5.3		25.5
	930420		<2.0		16.7
	930527		4.3		10.3
	930716		<5.2		28.9

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	930826	<5.3, <6.5	21.5, 19.2
	930910	<8.6	9.4
	931022		19.5
	931119	<3.6	19.5
	931224	10.9	31.1
	940125	<4.1	21.6
	940226	7.3	38
	940422	7.7	41.1
	940520	4.1	25.6
	940722	<3.4	16.7
	940829	<7.9	31.8
	941027	<3.4	25.3
	941125	<6.8	24.4
	950126	<5.0	20.9
	950222	<3.6	21.4
	950420	<2.5	25.6
	950527	<1.8	24.1
	950724	<3.2	16.1
	950826	<4.9	7.5
	950929	<6.0	15.4
	951020	<8.5	12.9
	951122	<3.8	10.5
	960228	<10	6.5
	960430	<10	12.8
	960530	<10	15.7
	961030	<10	7.7
	961130	<10	<10
	970130	<10	<10
	970228	<10	11.5
	970330	<10	<10
	970330	BPA <6.2	BPA <6.3
		BPB <5.1	BPB <3.7
	970430	<10	14.4
	970522	BPA 4.9	BPA 5.6
		BPB 10.9	BPB 9.6
	970406	BPA <4.9	BPA 10.9
		BPB <5.6	BPB 9.6
	970630	<10	6.8
	970730	<10	<10
	970728	BPA <5.2	BPA 11.5
		BPB <5.4	BPB 6.3
	970830	<10	<10
	971030	<10	
	971013	BPA <4.3	BPA <5
		BPB <7.2	BPB <8.3
	971130	<10	
	980117	<2.1	7.1
	980126	BPA <3.5	<3.2
		BPB <1.2	<1.7
	980221	<3.7	<3.7
	980406	BPA <0.6	<2.3
		BPB <1.4	<1.3
	980516	<3	8

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	980613	<1.4	<2.2
	980706	BPA <2.8	19
		BPB <1.2	4.8
	980711	<2.3	4.9
	980814	<2.2	<1.1
	981012	BPA <2.0	45
		BPB <2.9	<1.6
	981016	<2	5.1
	981116	BPA <6.8	9.9
	981119	<7	<8.6
	981130	BPB <3.3	<5.2
	990117	<2.8	3.6
	990112	BPA <.99	54
		BPB <.97	4
	990312	<3	7.4
	990304	BPA <2.1	9.7
		BPB <2.7	<5.9
	990412	<5.9	18
	990408	BPA <2.6	7.4
		BPB <5.5	<5
	990618	<5.1	<4.2
	990622	BPA <8.6	<9
		BPB <3.3	<4.1
	990723	<2.2	<1.6
	990720	BPA <2.9	130
		BPB <2.5	<2.3
	990917	<6.2	<6.5
	990913	BPA <3.8	<1.6
		BPB <3.4	<1.4
	991008	<5.6	6.6
	991005	BPA <2	<1.6
		BPB <3	<1.3
	991112	<2.7	<6.5
	991110	BPA <2.7	<4
		BPB <2.1	<2.1
	000104	BPA <2.5	<1.8
		BPB <3.0	<2.8
	000306	BPA <1.6	<5.0
		BPB <1.1	<2.6
	000419	BPA <2.9	<1.6
		BPB <2.7	<1.8
	000612	BPA <3.7	<2.6
		BPB <1.51	<0.59
	000705	BPA <2.43	<4.57
		BPB <2.07	<1.8
	000829	BPA <2.28	<3.57
		BPB <1.69	<2.20
	001019	BPA <0.573	<1.91
		BPB <0.698	<1.61
	001207	BPA <1.80	<1.89
		BPB <0.825	<1.19
	020130	ND	ND
	020230	ND	ND

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	020430	ND	ND
	020530	ND	ND
	020730	ND	ND
	020830	ND	ND
	021030	ND	ND
	021130	ND	ND
	030130	ND	ND
	030230	ND	ND
	030330	ND	ND
	030430	ND	ND
	030630	ND	ND
	031030	ND	ND
	031130	ND	ND
	040130	<2.5	<1.5
		<1.3	4.2
	040224	<3.8	<3.9
		<3.8	<2.9
	040520	<1.7	<1.2
		<2.0	<1.2
	040622	<1.9	7.9
		<3.7	<2.5
	040722	>1.3	<0.79
		<6.7	<5.6
	040824	<3.3	<2.6
		<2.1	<2.1
	041021	<0.68	<0.75
		<0.71	<0.80
	041111	<0.70	2.8
		<0.57	2
	050112	<0.35	<0.54
		<0.77	<1.0
	050217	<2.8	<2.9
		<4.0	<3.7
	050608	<0.62	<7.3
		<0.56	<8.2
	050622	<6.2	<4.1
		<0.33	<4.8
	050825	<1.7	<1.1
		<1.2	<1.4
	050912	<0.62	<0.72
		<0.61	<9.6
	051107	<0.34	<0.54
		<0.61	<0.99
	051212	<0.52	<2.6
		<0.57	<0.32
	060207	<0.26	<0.54
		<0.20	<0.48
	060306	<1.1	<0.89
		<0.54	<0.67
	102307	<1.07	<1.09
		<1.30	<1.07
	090308	<0.1	<3.23
		<0.1	<3.19

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
HARTLAND	960530	<0.06	
KIMBERLY-CLARK	930308	<10	<12
	930623	<4.6	<3.9
LINCOLN PAPER & TISSUE	881130	32	130
	920817	11.2	69.8
	920908	<11	27.3
	921117	7.7	39.1
	921216	<1.9	9.5
	931230	<5.5	<17.3
	940417	1.9	7.5
	950824	1.3	8.5
	960409	1.3	8.5
	970116	BP 25.4	BP 103
	970212	BP 11	BP 43.1
	970522	BP 11.4	BP 27.6
	970813	BP 6.4	BP 14.4
	971001	BP 1.6	BP 1.9
	971231	BP <2.4	BP <3.83
	980330	BP <3.4	BP <3.7
	980430	BP <10	BP 13.2
	980630	BP <8.9	BP <4
	980830	BP <7.1	BP <7.6
	980930	BP <2.3<4.1	BP <2.3<3.2
	981130	BP <2.6<4.9	BP <2.7<3.6
	981230	BP <1.5	BP <1.3
	990230	BP <1.1	BP <2.1
	990330	BP <2.5	BP <3.8
	990430	BP <2.8	BP <3.2
	990630	BP <4.4	BP <4.5
	990830	BP <4.3	BP <2.8
	990930	BP <1.3	BP <.44
	991030	BP <2.3	BP <2.2
	991130	BP <3	BP <2.9
	000130	BP <1.4	BP <1.4
	000330	BP <3.0	BP <1.2
	000430	BP <1.6	BP <1.3
	000630	BP <7.14	BP <3.63
	000730	BP <2.07	BP <1.25
	000830	BP <2.14	BP <3.17
	001030	BP <3.39	BP <2.17
	001130	BP <2.08	BP <4.43
	010228	BP <2.11	BP <2.39
	010330	BP <0.56	BP <0.618
	010530	BP <3.28	BP <7.31
	010630	BP <2.05	BP <1.97
	010830	BP <1.25	BP <3.56
	010930	BP <4.01	BP <3.37
	011130	BP <2.18	BP <6.19

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	011230	BP <4.97	BP <4.79
	020230	BP <1.68	BP <1.22
	020330	BP <2.27	BP <1.31
	'020530	BP <1.34	BP <1.08
	020630	BP <.841	BP <1.03
	021030	BP <.381	BP <.548
	021130	BP <.612	BP <.340
	030230	BP <1.16	BP <.630
	030330	BP <.995	BP <.590
	030530	BP <1.63	BP <1.17
	030630	BP <2.15	BP <.447
	030730	BP <2.82	BP <2.76
	030830	BP <3.76	BP <3.02
	040830	BP <0.785	BP <2.12
	040930	BP <0.824	BP <0.769
	041130	BP <1.92	BP <1.57
	041230	BP <1.81	BP <1.37
	050228	BP <1.44	BP <1.39
	050330	BP <b>5.52</b>	BP <0.934
	050530	BP <0.975	BP <0.904
	050630	BP <0.910	BP <1.25
	050830	BP <1.25	BP <1.66
	050930	BP <1.38	BP <1.53
	051130	BP <1.03	BP <1.29
	051230	BP <0.982	BP <0.632
	060228	BP <0.718	BP <0.587
	060330	BP <0.655	BP <0.570
	060530	BP <0.734	BP <0.857
	060630	BP <1.94	BP <2.10
	060830	BP <0.865	BP <1.01
	060930	BP <0.631	BP <0.910
	061130	BP <2.24	BP <1.78
	061230	BP <1.32	BP <1.32
	070228	BP <0.89	BP <1.18
	080630	BP <0.94	BP <1.18
NEWPAGE CORP	880518	120	570
	890301	25	80
	890807	<6	20
	890810	<13	20
	890814	<5	13
	890817	<5	18
	890821	<8	21
	890824	<5	10
	890829	<5	18
	890831	<11	20
	890905	<11	20
	890907	<9	18
	891023	<3	7
	891026	<5	6
	891222	<5	20

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	900216	<2	6
	900216	<1	7
	900515	<10	<8
	900515	<1	5
	900627	<3	8
	900627	<3	9
	920217	<4.6	14
	920221	<4.6	13
	920311	<4.6	9.9
	920316	3.2	8.7
		3.5	12
		4.6	17
	920326	4.5	8.5
	920412	6.3	24
	920613	<4.6	6.8
	920708	<4.6	<5.8
	920831	<4.6	3.5
	920904	<3.8	
	921104	<3.7	
	921201	<2.4	
	930105	<2.4	
	930201	<2.4	<10
	930401	<2.8	<10
	930501	<2.4	<10
	930701	<3.9	12
	930801	<2.8	<3.4
	931001	<3.2	<10
	931101	<3.9	<3.6
	940130	<2.8	<5.2
	940219	<1.9	<1.3
	940417	<3.3	<2.4
	940509	<3.6	<1.2
	940728	<3.7	<1.7
	940829	<2.7	<2.0
	941024	<2.1	<1.1
	941205	<2.7	<1.8
	950131	<10	<10
	950229	<10	<10
	950430	<10	<10
	950531	<10	<10
	950731	<10	<10
	950831	<10	<10
	951031	<10	<10
	951130	<10	<10
	960130	<10	<10
	960330	<10	<10
	960430	<10	<10
	960530	<10	<10
	960730	<10	<10
	960830	<10	<10
	961030	<10	<10
	961130	<10	<10

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	970317	<10	<10
	980130	<10	<10
	980230	<10	<10
	980430	<10	<10
	980530	<10	<10
	980609	BP	<10
	980730	<10	<10
	980830	BP	<10
	981030	BP	<10
	981130	BP	<10
	990130	<10	<10
		BP	<10
	990230	<10	<10
		BP	<10
	990430	<10	<10
		BP	<10
	990530	<10	<10
		BP	<10
	990730	<10	<10
		BP	<10
	990830	<10	<10
		BP	<10
	991030	<10	<10
		BP	<10
	991130	<10	<10
		BP	<10
	000113	BP	<10
	000224	BP	<10
	000410	BP	<10
	000505	BP	<10
	000718	BP	<10
	001003	BP	<10
	001106	BP	<10
	010112	BP	<10
	010201	BP	<10
	010408	BP	<10
	010502	BP	<10
	010711	BP	<10
	010808	BP	<10
	011009	BP	<10
	011102	BP	<10
	020105	BP	<10
	020202	BP	<10
	020408	BP	<10
	020503	BP	<10
	020712	BP	<10
	020817	BP	<10
	021001	BP	<10
	021106	BP	<10
	030102	BP	<10
	030201	BP	<10
	030406	BP	<10
	030512	BP	<10

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	030706	BP	<10
	030811	BP	<10
	031020	BP	<10
	031110	BP	<10
	040130		<10
	040230		<10
	040330	<10	<10
	040430		<10
	040530		<10
	040630	<10	<10
	040730		<10
	040830		<10
	040930	<10	<10
	041030		<10
	041130		<10
	050110	<10	<10
	050207	<10	<10
	050404	<10	<10
	050530	<10	<10
	050704	<10	<10
	050815	<10	<10
	060101	0.69	<0.523
	070131	1.35	1.49
	080131	<1.0	<1.86
SAPPI - SOMERSET	880630	16,19	63,100
	900710	<7.1	8.4
	900716	<6.1	5.9
	dup	<5.5	<7.3
	900724	<3.6	<3.9
	930105	<3.4	9.2
	930224	<4.7	15
	930311	<4.0	10
	930409	6.8	18
	930616	6.3	14
	930917	7	17
	931203	7.6	19
	940107	<3.8	9.2
	940624	<10	13
	940923	<11	8.7
	941209	<4.6	6.6
	950310	9	11.6
	950505	<10.3	6.6
	950616	<3.9	<9.4
	950807	5.8	14.5
	950911	2.8	15.3
	951124	<4.2	38.7
	951208	<7.4	29
	960112	<1.6	<2.3

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	960209	<3.2	<4.8
	960405	<2.7	<2.7
	960610	<3.6	6.5
	960712	<3.0	4.2
	960809	5.8	15
	961108	<4.9	11
	961206	<4.1	9.7
	970103	<4.3	6.2
	970207	<2.0	7.5
	970411	<2.2	5.7
	970509	8.2	12
	970708	BP	<3.0
	970711		<3.2
	970805	BP	<2.9
	970807	BP	<3.5
	970815	<3	<3.3
	970820	BP	<3.7
	980825	BP	<2.3
	970916	BP	<2.6
	971017		<9.1
	971114		<3.8
	980109		<3.5
	980112	BP	<3.2
	980206		<4.3
	980410		<1.6
	980608		<5.7
	980810		<1.6
	980911		<1.9
	981009		<1.9
	981106		<2.2
	990210		<1.5
	990310		<2.6
	990410		<4.6
	990510		<3.4
	990710		<3.5
	990910		<7.3
	991010		<4.1
	991110		<2.2
	000204		<3.4
	000310		<3.1
	000407		<3.3
	000505		<5.7
	000728		<2.24
	000908		<4.34
	001110		<0.556
	001208		<3.61
	020130	BP	<0.993
	020230	BP	<3.29
	020330	BP	<2.64
	020430	BP	<0.328
	020530	BP	<0.471
	020630	BP	<0.926
	020730	BP	<0.903

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	020830	BP <0.955	BP <1.19
	020930	BP <2.41	BP <2.25
	021030	BP <0.661	BP 1.73
	021130	BP <1.77	BP <1.66
	021230	BP ND	BP <1.68
	030130	BP <0.933	BP <0.435
	030230	BP <1.91	BP <2.36
	030330	BP <1.18	BP <1.20
	030430	BP <1.82	BP <1.21
	030530	BP <0.878	BP <0.874
	030630	BP <0.841	BP <0.847
	030730	BP <1.18	BP <0.985
	030830	BP <2.04	BP <1.42
	030930	BP <0.672	BP <0.573
	031030	BP <1.28	BP <1.20
	031130	BP <1.41	BP <1.49
	031230	BP <3.04	BP <3.38
	040130	BP <1.96	BP <2.13
	040230	BP <1.95	BP <1.94
	040330	BP <0.440	BP <0.642
	040430	BP <0.691	BP <0.628
	040530	BP <0.532	BP <0.498
	040630	BP <1.08	BP <1.58
	040730	BP <1.34	BP <1.06
	040830	BP <0.904	BP <0.576
	040930	BP <1.47	BP <1.31
	041130	BP <2.01	BP <2.09
	050131	BP	BP <0.551
	050228	BP <2.06	BP <1.76
	050331	BP <0.541	BP <0.527
	050430	BP <0.938	BP <0.543
	050531	BP <0.790	BP <0.890
	050630	BP <1.06	BP <0.873
	060226	BP <2.5	BP
	060924	BP <0.350	BP <0.933
	071031	BP <0.70	BP <1.68
	081130	BP <1.45	BP 0.87
SAPPI - WESTBROOK	880101	6.3	
	1989	1	
	901118	<3	8
	910425	<5	<5
	910716	<8	<5
	911203	<8	<5
	920218	<2.8	7
	920507	<1.2	4.6
	920715	<5.8	<4.9
	921114	<1.8	3.9
	930303	<7.8	16
	930617	<1.5	<6.4
	930915	<2.4	5.7

APPENDIX 4. 2378-TCDD AND 2378-TCDF IN EFFLUENT FROM WASTEWATER TREATMENT PLANTS

SOURCE	DATE	TCDD (pg/l)	TCDF (pg/l)
	931208	<3.4	<7.3
	940130	<6.5	<9.8
	940324		<5.9
	940727	3.6	7.8
	941212	<6.0	<15.8
	950730	<5.4	9.8
	950615	<2.8	<9.9
	950815	<4.3	<21.9
	970519	BP	<10
	970808	BP	<8.2
	971002	BP	13.46
	980324	<1.6	5.9
	980914	BP	130
	980915	<1.0	11
	980921	<1.9	<1.9
		BP	110
	981118	<10	<10
		BP	130
	981208	BP	140
	981209	<11	<11
	990113	<10	<10
	990131		<11
		BP	140
	990209	<10	<10
	990318	<10	<10
	990331		<10
		BP	150
	990407	<10	<10
	990526	<11	15
	990617	<10	<10
	990630		15
		BP	130
	990728	<9.5	<9.5
	990731	BP	54
	990830	<10	<10
	990830	<10	<10