

	t0 (tau)	0.00E+00
	tf (tau)	9.00E-01
1	[npropyl]well_1=>OH+prod_1-->[prod_1]	7.48E-01
2	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]	7.48E-01
3	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH-->[CO]	7.48E-01
20	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH-->[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O-->[HCO]HCO+O ₂ =>CO+HO ₂ -->[HO ₂]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ -->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-->[CH ₃ O]	4.42E-02
8	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O-->[HCO]HCO+O ₂ =>CO+HO ₂ -->[HO ₂]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ -->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-->[CH ₃ O]	4.40E-02
19	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH-->[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO-->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-->[CH ₃ O]	4.21E-02
6	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO-->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-->[CH ₃ O]	4.21E-02
22	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH-->[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO-->[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH-->[ethoxy]	4.19E-02
11	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO-->[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH-->[ethoxy]	4.17E-02

24	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CH₂O]npropyloo+CH₂O=>npropylooh+HCO--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]</p>	3.71E-02
13	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O--</p> <p>>[CH₂O]npropyloo+CH₂O=>npropylooh+HCO--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]</p>	3.71E-02
10	<p>[npropyl]npropyloo+C₃H₈=>npropylooh+ipropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]</p>	3.56E-02
12	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O--</p> <p>>[CH₂O]ipropylloo+CH₂O=>ipropyllooh+HCO--</p> <p>>[ipropyllooh]ipropyllooh=>ipropylloxy+OH-->[ipropylloxy]</p>	3.15E-02
23	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CH₂O]ipropylloo+CH₂O=>ipropyllooh+HCO--</p> <p>>[ipropyllooh]ipropyllooh=>ipropylloxy+OH-->[ipropylloxy]</p>	3.13E-02
15	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>npropyl+H₂O₂--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]</p>	2.69E-02
14	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>npropyl+H₂O₂--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]</p>	2.69E-02
16	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>npropyl+H₂O₂--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CO]</p>	2.68E-02

35	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-- >[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH-- >[CH₂O]CH₃CH₂OO+CH₂O=>CH₃CH₂OOH+HCO-- >[CH₃CH₂OOH]CH₃CH₂OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH₃+CH₂O-- ->[CH₃]CH₃OO+HO₂=>CH₃OOH+O₂-->[CH₃OOH]CH₃OOH=>CH₃O+OH-- >[CH₃O]</p>	2.49E-02
27	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-- >[frag_1]frag_1=>vinoxy+CH₂O-- >[CH₂O]CH₃CH₂OO+CH₂O=>CH₃CH₂OOH+HCO-- >[CH₃CH₂OOH]CH₃CH₂OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH₃+CH₂O-- ->[CH₃]CH₃OO+HO₂=>CH₃OOH+O₂-->[CH₃OOH]CH₃OOH=>CH₃O+OH-- >[CH₃O]</p>	2.48E-02
7	<p>[npropyl]npropyloo+C₃H₈=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]</p>	2.08E-02
32	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-- >[frag_1]frag_1=>vinoxy+CH₂O-- >[CH₂O]ipropyloo+CH₂O=>ipropylooh+HCO-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH₃+acetaldehyde-- >[CH₃]CH₃OO+HO₂=>CH₃OOH+O₂-->[CH₃OOH]CH₃OOH=>CH₃O+OH-- >[CH₃O]</p>	1.90E-02
45	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-- >[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH-- >[CH₂O]ipropyloo+CH₂O=>ipropylooh+HCO-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH₃+acetaldehyde-- >[CH₃]CH₃OO+HO₂=>CH₃OOH+O₂-->[CH₃OOH]CH₃OOH=>CH₃O+OH-- >[CH₃O]</p>	1.90E-02
9	<p>[npropyl]well_1=>HO₂+prod_2-->[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]</p>	1.86E-02
50	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>ipropyl+H₂O₂-- >[ipropyl]ipropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>npropyl+H₂O₂-- >[npropyl]well_1=>OH+prod_1-->[prod_1]</p>	1.56E-02

52	<p> $[npropyl]npropylo \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow ipropyl + H_2O_2$ $>[ipropyl]ipropylo \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow npropyl + H_2O_2$ $>[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ $>[CO]$ </p>	1.56E-02
51	<p> $[npropyl]npropylo \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow ipropyl + H_2O_2$ $>[ipropyl]ipropylo \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow npropyl + H_2O_2$ $>[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]$ </p>	1.56E-02
30	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_2O + OH \Rightarrow HCO + H_2O$ $>[HCO]HCO + O_2 \Rightarrow CO + HO_2 \rightarrow [HO_2]npropylo + HO_2 \Rightarrow npropylooh + O_2$ $>[npropylooh]npropylooh \Rightarrow npropyloxy + OH \rightarrow [npropyloxy]$ </p>	1.44E-02
37	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ $>[CH_2O]CH_2O + OH \Rightarrow HCO + H_2O \rightarrow [HCO]HCO + O_2 \Rightarrow CO + HO_2$ $>[HO_2]npropylo + HO_2 \Rightarrow npropylooh + O_2$ $>[npropylooh]npropylooh \Rightarrow npropyloxy + OH \rightarrow [npropyloxy]$ </p>	1.44E-02
33	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ $>[CH_2O]CH_2O + OH \Rightarrow HCO + H_2O \rightarrow [HCO]HCO + O_2 \Rightarrow CO + HO_2$ $>[HO_2]ipropylo + HO_2 \Rightarrow ipropylooh + O_2$ $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH \rightarrow [ipropyloxy]$ </p>	1.31E-02
26	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_2O + OH \Rightarrow HCO + H_2O$ $>[HCO]HCO + O_2 \Rightarrow CO + HO_2 \rightarrow [HO_2]ipropylo + HO_2 \Rightarrow ipropylooh + O_2$ $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH \rightarrow [ipropyloxy]$ </p>	1.31E-02

31	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]CH₃CH₂OO+HO₂=>CH₃CH₂OOH+O₂--</p> <p>>[CH₃CH₂OOH]CH₃CH₂OOH=>ethoxy+OH-->[ethoxy]</p>	1.22E-02
39	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CH₂O]CH₂O+OH=>HCO+H₂O-->[HCO]HCO+O₂=>CO+HO₂--</p> <p>>[HO₂]CH₃CH₂OO+HO₂=>CH₃CH₂OOH+O₂--</p> <p>>[CH₃CH₂OOH]CH₃CH₂OOH=>ethoxy+OH-->[ethoxy]</p>	1.22E-02
63	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CH₂O]CH₂O+HO₂=>HCO+H₂O-->[HCO]HCO+O₂=>CO+HO₂--</p> <p>>[HO₂]CH₃OO+HO₂=>CH₃OOH+O₂-->[CH₃OOH]CH₃OOH=>CH₃O+OH--</p> <p>>[CH₃O]</p>	1.18E-02
36	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+HO₂=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]CH₃OO+HO₂=>CH₃OOH+O₂--</p> <p>>[CH₃OOH]CH₃OOH=>CH₃O+OH-->[CH₃O]</p>	1.18E-02
40	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]HO₂+HO₂=>H₂O₂+O₂--</p> <p>>[H₂O₂]H₂O₂(+M)=>OH+OH(+M)-->[OH]</p>	1.02E-02
81	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CH₂O]CH₂O+OH=>HCO+H₂O-->[HCO]HCO+O₂=>CO+HO₂--</p> <p>>[HO₂]HO₂+HO₂=>H₂O₂+O₂-->[H₂O₂]H₂O₂(+M)=>OH+OH(+M)-->[OH]</p>	1.01E-02
71	<p>[npropyl]npropyloo+C₃H₈=>npropylooh+ipropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C₂H₅+CH₂O--</p> <p>>[C₂H₅]CH₃CH₂OO+C₃H₈=>CH₃CH₂OOH+ipropyl--</p> <p>>[CH₃CH₂OOH]CH₃CH₂OOH=>ethoxy+OH-->[ethoxy]</p>	9.54E-03
4	[npropyl]npropyloo=>OH+propoxide-->[propoxide]	8.97E-03

53	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$-- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O$-- $>[CH_2O]npropylooh + CH_2O \Rightarrow npropylooh + HCO$-- $>[npropylooh]npropylooh \Rightarrow npropyloxy + OH$-- $>[npropyloxy]npropyloxy \Rightarrow C_2H_5 + CH_2O$-- $>[C_2H_5]CH_3CH_2OO + HO_2 \Rightarrow CH_3CH_2OOH + O_2$-- $>[CH_3CH_2OOH]CH_3CH_2OOH \Rightarrow ethoxy + OH \rightarrow [ethoxy]$ </p>	8.56E-03
92	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$-- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$-- $>[CH_2O]npropylooh + CH_2O \Rightarrow npropylooh + HCO$-- $>[npropylooh]npropylooh \Rightarrow npropyloxy + OH$-- $>[npropyloxy]npropyloxy \Rightarrow C_2H_5 + CH_2O$-- $>[C_2H_5]CH_3CH_2OO + HO_2 \Rightarrow CH_3CH_2OOH + O_2$-- $>[CH_3CH_2OOH]CH_3CH_2OOH \Rightarrow ethoxy + OH \rightarrow [ethoxy]$ </p>	8.54E-03
54	<p> $[npropyl]npropylooh \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow ipropyl + H_2O_2$-- $>[H_2O_2]H_2O_2 (+M) \Rightarrow OH + OH (+M) \rightarrow [OH]$ </p>	8.25E-03
96	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$-- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$-- $>[CH_2O]CH_2O + OH \Rightarrow HCO + H_2O \rightarrow [HCO]HCO + O_2 \Rightarrow CO + HO_2$-- $>[HO_2]ipropylooh + HO_2 \Rightarrow ipropylooh + O_2$-- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$-- $>[ipropyloxy]ipropyloxy \Rightarrow CH_3 + acetaldehyde$-- $>[CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH$-- $>[CH_3O]$ </p>	7.99E-03
60	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$-- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O$-- $>[CH_2O]CH_3CH_2OO + CH_2O \Rightarrow CH_3CH_2OOH + HCO$-- $>[HCO]HCO + O_2 \Rightarrow CO + HO_2 \rightarrow [HO_2]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2$-- $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$ </p>	7.96E-03

56	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_2O + OH \Rightarrow HCO + H_2O$ $>[HCO]HCO + O_2 \Rightarrow CO + HO_2 \rightarrow [HO_2]ipropylooh + HO_2 \Rightarrow ipropylooh + O_2$ $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ $>[ipropyloxy]ipropyloxy \Rightarrow CH_3 + acetaldehyde$ $>[CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH$ $>[CH_3O]$ </p>	7.96E-03
98	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ $>[CH_2O]CH_3CH_2OO + CH_2O \Rightarrow CH_3CH_2OOH + HCO$ $>[HCO]HCO + O_2 \Rightarrow CO + HO_2 \rightarrow [HO_2]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2$ $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$ </p>	7.90E-03
89	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ $>[CH_2O]CH_2O + OH \Rightarrow HCO + H_2O \rightarrow [HCO]HCO + O_2 \Rightarrow CO + HO_2$ $>[HO_2]CH_3CH_2OO + HO_2 \Rightarrow CH_3CH_2OOH + O_2$ $>[CH_3CH_2OOH]CH_3CH_2OOH \Rightarrow ethoxy + OH \rightarrow [ethoxy]ethoxy \Rightarrow CH_3 + CH_2O$ $\rightarrow [CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH$ $>[CH_3O]$ </p>	7.32E-03
49	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_2O + OH \Rightarrow HCO + H_2O$ $>[HCO]HCO + O_2 \Rightarrow CO + HO_2 \rightarrow [HO_2]CH_3CH_2OO + HO_2 \Rightarrow CH_3CH_2OOH + O_2$ $>[CH_3CH_2OOH]CH_3CH_2OOH \Rightarrow ethoxy + OH \rightarrow [ethoxy]ethoxy \Rightarrow CH_3 + CH_2O$ $\rightarrow [CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH$ $>[CH_3O]$ </p>	7.29E-03
61	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO$ $>[HCO]HCO + O_2 \Rightarrow CO + HO_2 \rightarrow [HO_2]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2$ $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$ </p>	7.02E-03
65	<p> $[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_2O + HO_2 \Rightarrow HCO + H_2O_2$ $>[H_2O_2]H_2O_2 (+M) \Rightarrow OH + OH (+M) \rightarrow [OH]$ </p>	6.71E-03

5	[npropyl]npropyloo=>QOOH_2-->[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	6.29E-03
66	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO-->[HCO]HCO+O ₂ =>CO+HO ₂ -->[HO ₂]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ -->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-->[CH ₃ O]	6.16E-03
18	[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH-->[CO]	5.79E-03
17	[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1-->[frag_1]	5.79E-03
77	[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO-->[HCO]HCO+O ₂ =>CO+HO ₂ -->[HO ₂]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ -->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-->[CH ₃ O]	5.72E-03
64	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl-->[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O-->[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl-->[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH-->[ethoxy]	5.58E-03
72	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl-->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -->[HO ₂]C ₃ H ₈ +HO ₂ =>npropyl+H ₂ O ₂ -->[npropyl]well_1=>OH+prod_1-->[prod_1]	5.27E-03
73	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl-->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -->[HO ₂]C ₃ H ₈ +HO ₂ =>npropyl+H ₂ O ₂ -->[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]	5.27E-03
74	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl-->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -->[HO ₂]C ₃ H ₈ +HO ₂ =>npropyl+H ₂ O ₂ -->[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH ₂ O-->[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH-->[CO]	5.27E-03

47	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>ipropyl+H₂O₂--</p> <p>>[ipropyl]ipropyloo+C₃H₈=>ipropyllooh+ipropyl--</p> <p>>[ipropyllooh]ipropyllooh=>ipropylloxy+OH-->[ipropylloxy]</p>	4.45E-03
93	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]CH₃OO+HO₂=>CH₃OOH+O₂--</p> <p>>[CH₃OOH]CH₃OOH=>CH₃O+OH-->[CH₃O]CH₃O+O₂=>CH₂O+HO₂--</p> <p>>[HO₂]CH₃OO+HO₂=>CH₃OOH+O₂-->[CH₃OOH]CH₃OOH=>CH₃O+OH--</p> <p>>[CH₃O]</p>	3.65E-03
59	<p>[npropyl]well_1=>HO₂+prod_2-->[HO₂]C₃H₈+HO₂=>npropyl+H₂O₂--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CO]</p>	3.56E-03
58	<p>[npropyl]well_1=>HO₂+prod_2-->[HO₂]C₃H₈+HO₂=>npropyl+H₂O₂--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]</p>	3.56E-03
57	<p>[npropyl]well_1=>HO₂+prod_2-->[HO₂]C₃H₈+HO₂=>npropyl+H₂O₂--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]</p>	3.56E-03
29	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[C₃H₆]C₃H₆+OH=>allyl+H₂O--</p> <p>>[allyl]allyl+HO₂=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]</p>	3.44E-03
97	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+HO₂=>HCO+H₂O₂--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]ipropyllooh+HO₂=>ipropyllooh+O₂--</p> <p>>[ipropyllooh]ipropyllooh=>ipropylloxy+OH-->[ipropylloxy]</p>	3.23E-03
100	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₃OO+CH₂O=>CH₃OOH+HCO--</p> <p>>[CH₃OOH]CH₃OOH=>CH₃O+OH-->[CH₃O]CH₃O+O₂=>CH₂O+HO₂--</p> <p>>[HO₂]CH₃OO+HO₂=>CH₃OOH+O₂-->[CH₃OOH]CH₃OOH=>CH₃O+OH--</p> <p>>[CH₃O]</p>	3.23E-03
21	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[C₃H₆]C₃H₆+HO₂=>propen1ol+OH--</p> <p>>[propen1ol]</p>	2.99E-03

86	$[npropyl]O_2 + npropyl \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow npropyl + H_2O_2$ $>[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ $>[CO]$	2.09E-03
84	$[npropyl]O_2 + npropyl \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow npropyl + H_2O_2$ $>[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]$	2.09E-03
85	$[npropyl]O_2 + npropyl \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow npropyl + H_2O_2$ $>[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]$	2.08E-03
83	$[npropyl]well_1 \Rightarrow HO_2 + prod_2 \rightarrow [prod_2]prod_2 \Rightarrow allyloxy + OH$ $>[allyloxy]allyloxy \Rightarrow acrolein + H$ $>[acrolein]acrolein + HO_2 \Rightarrow CH_2CHCO + H_2O_2$ $>[CH_2CHCO]CH_2CHCO + O_2 \Rightarrow vinoxy + CO_2$ $>[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$	2.06E-03
55	$[npropyl]npropyloo \Rightarrow HO_2 + C_3H_6 \rightarrow [C_3H_6]C_3H_6 + HO_2 \Rightarrow allyl + H_2O_2$ $>[allyl]allyl + HO_2 \Rightarrow prod_2 \rightarrow [prod_2]prod_2 \Rightarrow allyloxy + OH \rightarrow [allyloxy]$	1.92E-03
99	$[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_2O + OH \Rightarrow HCO + H_2O$ $>[HCO]HCO + O_2 \Rightarrow formylperoxy$ $>[formylperoxy]formylperoxy \Rightarrow HCO + O_2 \rightarrow [HCO]HCO + O_2 \Rightarrow CO + HO_2$ $>[HO_2]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH$ $>[CH_3O]$	1.80E-03
69	$[npropyl]npropyloo \Rightarrow HO_2 + C_3H_6 \rightarrow [HO_2]C_3H_8 + HO_2 \Rightarrow ipropyl + H_2O_2$ $>[ipropyl]ipropyloo \Rightarrow HO_2 + C_3H_6 \rightarrow [C_3H_6]C_3H_6 + HO_2 \Rightarrow propen1ol + OH$ $>[propen1ol]$	1.75E-03
34	$[npropyl]well_1 \Rightarrow OH + prod_1 \rightarrow [prod_1]prod_1 \Rightarrow frag_1 + OH$ $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ $>[CO]CO + HO_2 \Rightarrow CO_2 + OH \rightarrow [CO_2]$	1.73E-03
28	$[npropyl]npropyloo \Rightarrow HO_2 + C_3H_6 \rightarrow [C_3H_6]HO_2 + C_3H_6 \Rightarrow OH + propoxide$ $>[propoxide]$	1.57E-03

67	<p>[npropyl]npropyloo+C₃H₈=>npropylooh+ipropyl--</p> <p>>[ipropyl]ipropyloo+C₃H₈=>ipropylooh+ipropyl--</p> <p>>[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]</p>	1.50E-03
62	<p>[npropyl]O₂+QOOH_1=>HO₂+prod_2-->[prod_2]prod_2=>allyloxy+OH--</p> <p>>[allyloxy]</p>	1.44E-03
76	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]allyl+HO₂=>prod_2--</p> <p>>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]</p>	1.43E-03
70	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O--</p> <p>>[CH₂O]CH₂O+acetylperoxy=>HCO+CH₃CO₃H--</p> <p>>[CH₃CO₃H]CH₃CO₃H=>acetyloxy+OH-->[acetyloxy]</p>	1.35E-03
46	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[C₃H₆]C₃H₆+OH=>allyl+H₂O--</p> <p>>[allyl]allyl+HO₂=>allyloxy+OH-->[allyloxy]</p>	1.23E-03
80	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[vinoxy]vinoxy+O₂=>CH₂O+CO+OH--</p> <p>>[CH₂O]CH₂O+formylperoxy=>HCO+formylooh--</p> <p>>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]</p>	1.20E-03
41	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O--</p> <p>>[CH₂O]CH₂O+formylperoxy=>HCO+formylooh--</p> <p>>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]</p>	1.20E-03
25	[npropyl]O ₂ +npropyl=>OH+propoxide-->[propoxide]	1.01E-03
88	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>ipropyl+H₂O₂--</p> <p>>[H₂O₂]H₂O₂+H=>H₂O+OH-->[H₂O]</p>	9.98E-04
43	<p>[npropyl]well_1=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]</p>	9.71E-04
42	[npropyl]well_1=>OH+prod_3-->[prod_3]	9.70E-04
94	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]HO₂+HO₂=>H₂O₂+O₂--</p> <p>>[H₂O₂]H₂O₂+H=>H₂O+OH-->[H₂O]</p>	9.30E-04

95	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[HO₂]C₃H₈+HO₂=>ipropyl+H₂O₂--</p> <p>>[ipropyl]ipropyloo=>HO₂+C₃H₆-->[C₃H₆]HO₂+C₃H₆=>OH+propoxide--</p> <p>>[propoxide]</p>	9.15E-04
44	<p>[npropyl]well_1=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]frag_3+OH=>prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]</p>	8.21E-04
78	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[HO₂]C₃H₆+HO₂=>propen1ol+OH--</p> <p>>[propen1ol]</p>	7.43E-04
38	<p>[npropyl]npropyloo=>HO₂+C₃H₆-->[C₃H₆]HO₂+C₃H₆=>QOOH_2--</p> <p>>[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]</p>	7.06E-04
79	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>formylperoxy--</p> <p>>[formylperoxy]CH₂O+formylperoxy=>HCO+formylooh--</p> <p>>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]</p>	5.90E-04
91	<p>[npropyl]npropyloo+C₃H₈=>npropylooh+ipropyl--</p> <p>>[ipropyl]ipropyloo=>HO₂+C₃H₆-->[C₃H₆]C₃H₆+HO₂=>propen1ol+OH--</p> <p>>[propen1ol]</p>	5.86E-04
48	<p>[npropyl]well_1=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]frag_3+OH=>prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]frag_3+OH=>prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]</p>	5.34E-04
87	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>CO+HO₂-->[CO]CO+HO₂=>CO₂+OH-->[CO₂]</p>	5.03E-04
90	<p>[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH₂O-->[CH₂O]CH₂O+OH=>HCO+H₂O--</p> <p>>[HCO]HCO+O₂=>formylperoxy--</p> <p>>[formylperoxy]C₃H₈+formylperoxy=>ipropyl+formylooh--</p> <p>>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]</p>	4.84E-04
75	<p>[npropyl]well_1=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]frag_3+OH=>prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]frag_3+OH=>prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]frag_3+OH=>prod_3-->[prod_3]prod_3=>frag_3+OH--</p> <p>>[frag_3]</p>	2.64E-04

68	$[npropyl]npropyl \rightleftharpoons QOOH_2 \rightleftharpoons [QOOH_2]well_2 \rightleftharpoons well_3 \rightleftharpoons [well_3]QOOH_3 \rightleftharpoons OH + propoxide \rightleftharpoons [propoxide]$	1.83E-04
82	$[npropyl]O_2 + npropyl \rightleftharpoons QOOH_2 \rightleftharpoons [QOOH_2]QOOH_2 \rightleftharpoons OH + propoxide \rightleftharpoons [propoxide]$	1.45E-04