

	t0	0.00E+00
	tf	9.00E-01
1	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$	3.78E-01
2	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$	3.78E-01
3	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CO]$	3.78E-01
4	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	2.12E-02
5	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	2.12E-02
6	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxyl+OH-->[ethoxyl]$	2.12E-02
7	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxyl+OH-->[ethoxyl]$	2.10E-02
8	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]$	2.07E-02
9	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[CH_2O]nROO+CH_2O=>nROOH+HCO-->[nROOH]nROOH=>nRO+OH-->[nRO]$	1.88E-02
10	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CH_2O]nROO+CH_2O=>nROOH+HCO-->[nROOH]nROOH=>nRO+OH-->[nRO]$	1.87E-02
11	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO+C_3H_8=>nROOH+iR-->[nROOH]nROOH=>nRO+OH-->[nRO]$	1.80E-02

12	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[CH_2O]iROO+CH_2O=>iROOH+HCO-->[iROOH]iROOH=>iRO+OH-->[iRO]$	1.58E-02
13	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CH_2O]iROO+CH_2O=>iROOH+HCO--$ $>[iROOH]iROOH=>iRO+OH-->[iRO]$	1.58E-02
14	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+C_3H_8=>CH_3OOH+iR--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	1.52E-02
15	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH_3+CH_2O--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	1.25E-02
16	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH_3+CH_2O--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	1.24E-02
17	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]$	1.21E-02
18	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO+C_3H_8=>nROOH+nR--$ $>[nROOH]nROOH=>nRO+OH-->[nRO]$	1.05E-02
19	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CH_2O]iROO+CH_2O=>iROOH+HCO--$ $>[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	9.58E-03
20	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[CH_2O]iROO+CH_2O=>iROOH+HCO-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	9.54E-03

21	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>HO_2+prod_2--$ $>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$	9.37E-03
22	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$	9.20E-03
23	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$	9.20E-03
24	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$	9.19E-03
25	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+C_3H_8=>CH_3OOH+iR--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	8.89E-03
26	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH--$ $>[propen1ol]$	8.18E-03
27	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2--$ $>[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$	5.25E-03
28	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+C_3H_8=>CH_3OOH+nR--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	5.09E-03
29	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO+C_3H_8=>nROOH+iR--$ $>[nROOH]nROOH=>nRO+OH-->[nRO]nRO=>C_2H_5+CH_2O--$ $>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$	4.82E-03
30	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>OH+propoxide-->[propoxide]$	4.52E-03
31	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxy+CH_2O--$ $>[CH_2O]nROO+CH_2O=>nROOH+HCO-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$	4.34E-03
32	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>OH+propoxide--$ $>[propoxide]$	4.27E-03

33	<p> $[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+C_3H_8=>CH_3OOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CO]$ </p>	3.90E-03
34	<p> $[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+C_3H_8=>CH_3OOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$ </p>	3.90E-03
35	<p> $[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+C_3H_8=>CH_3OOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$ </p>	3.90E-03
36	<p> $[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>QOOH_2--$ $>[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]$ </p>	3.18E-03
37	<p> $[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2+QOOH_1=>OH+OH+OQ'O_1-->[OQ'O_1]$ </p>	2.93E-03
38	<p> $[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2+QOOH_1=>OH+OH+OQ'O_1--$ $>[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CO]$ </p>	2.92E-03
39	<p> $[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2--$ $>[acetyl]acetyl(+M)=>CH_3+CO(+M)-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$ </p>	2.83E-03
40	<p> $[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO+C_3H_8=>nROOH+nR--$ $>[nROOH]nROOH=>nRO+OH-->[nRO]nRO=>C_2H_5+CH_2O--$ $>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$ </p>	2.81E-03
41	<p> $[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2--$ $>[allyl]allyl+HO_2=>allyloxy+OH-->[allyloxy]$ </p>	2.10E-03
42	<p> $[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_2--$ $>[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]$ </p>	1.90E-03
43	<p> $[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde--$ $>[acetaldehyde]CH_3OO+acetaldehyde=>CH_3OOH+acetyl--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$ </p>	1.87E-03

44	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH--$ $>[propen1ol]$	1.70E-03
45	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2--$ $>[acetyl]acetyl(+M)=>CH_3+CO(+M)-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	1.66E-03
46	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>HO_2+C_3H_6--$ $>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]$	1.52E-03
47	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$	1.49E-03
48	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$	1.48E-03
49	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$	1.48E-03
50	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2--$ $>[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$	1.10E-03
51	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>QOOH_3--$ $>[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]$	1.08E-03
52	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>HO_2+prod_2--$ $>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H--$ $>[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-->[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2--$ $>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$	1.04E-03
53	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2--$ $>[allyl]iROO+allyl=>iRO+allyloxy-->[iRO]iRO=>CH_3+acetaldehyde--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	9.82E-04
54	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2--$ $>[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$	9.73E-04
55	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>OH+propoxide-->[propoxide]$	9.46E-04
56	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR--$ $>[iR]iROO+HO_2=>iROOH+O_2-->[iROOH]iROOH=>iRO+OH-->[iRO]$	9.32E-04
57	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>OH+propoxide--$ $>[propoxide]$	8.94E-04

58	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CO]CO+HO_2=>CO_2+OH-->[CO_2]$	8.90E-04
59	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>HO_2+C_3H_6--$ $>[C_3H_6]HO_2+C_3H_6=>OH+propoxide-->[propoxide]$	7.96E-04
60	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO+C_3H_8=>nROOH+iR--$ $>[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]$	7.58E-04
61	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2+QOOH_1=>HO_2+prod_2--$ $>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$	7.25E-04
62	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[CH_2O]CH_2O+acetylperoxy=>HCO+CH_3CO_3H-->[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH--$ $>[acetyloxy]$	6.80E-04
63	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+nROO=>allyl+nROOH--$ $>[nROOH]nROOH=>nRO+OH-->[nRO]$	6.49E-04
64	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH--$ $>[CH_2O]CH_2O+formylperoxy=>HCO+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$	6.08E-04
65	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[CH_2O]CH_2O+formylperoxy=>HCO+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$	6.04E-04
66	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+OH=>vinoxyl+H_2O--$ $>[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CO]$	5.93E-04
67	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>OH+propoxide-->[propoxide]$	5.87E-04
68	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR--$ $>[iR]iROO+HO_2=>iROOH+O_2-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	5.68E-04
69	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O--$ $>[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH--$ $>[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2--$ $>[CH_2CHCO]CH_2CHCO+O_2=>vinoxyl+CO_2-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CO]$	5.66E-04

70	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]nROO+HO_2=>nROOH+O_2-->[nROOH]nROOH=>nRO+OH-->[nRO]$	5.60E-04
71	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$	5.19E-04
72	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2+nR=>OH+propoxide-->[propoxide]$	5.09E-04
73	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+iROO=>allyl+iROOH-->[iROOH]iROOH=>iRO+OH-->[iRO]$	5.04E-04
74	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH-->[frag_3]$	4.90E-04
75	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+prod_3-->[prod_3]$	4.90E-04
76	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-->[allyl]allyl+HO_2=>allyloxy+OH-->[allyloxy]$	4.46E-04
77	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO+CH_2O=>iROOH+HCO-->[iROOH]iROOH=>iRO+OH-->[iRO]$	4.31E-04
78	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH-->[frag_3]frag_3+OH=>prod_3-->[prod_3]prod_3=>frag_3+OH-->[frag_3]$	4.14E-04
79	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_2-->[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]$	3.99E-04
80	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-->[allyl]allyl+HO_2=>allyloxy+OH-->[allyloxy]$	3.99E-04
81	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_2-->[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]$	3.51E-04
82	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+H=>allyl+H_2-->[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$	3.23E-04
83	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[vinoxyl]vinoxyl+O_2=>CH_2O+CO+OH-->[CO]$	3.12E-04
84	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$	3.12E-04
85	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$	3.11E-04

86	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]CH_2O+formylperoxy=>HCO+formyllooh--$ $>[formyllooh]formyllooh=>formylloxy+OH-->[formylloxy]$	3.00E-04
87	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO=>HO_2+C_3H_6--$ $>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]$	2.94E-04
88	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$	2.77E-04
89	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$	2.76E-04
90	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+prod_3--$ $>[prod_3]prod_3=>frag_3+OH-->[frag_3]frag_3+OH=>prod_3--$ $>[prod_3]prod_3=>frag_3+OH-->[frag_3]frag_3+OH=>prod_3--$ $>[prod_3]prod_3=>frag_3+OH-->[frag_3]$	2.69E-04
91	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O--$ $>[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[CO]CO+HO_2=>CO_2+OH-$ $->[CO_2]$	2.56E-04
92	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_3--$ $>[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]$	2.42E-04
93	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO=>HO_2+C_3H_6--$ $>[C_3H_6]HO_2+C_3H_6=>OH+propoxide-->[propoxide]$	1.55E-04
94	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]O_2+iR=>QOOH_3--$ $>[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]$	1.55E-04
95	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2QOOH_1=>OH+prod_3--$ $>[prod_3]prod_3=>frag_3+OH-->[frag_3]frag_3+OH=>prod_3--$ $>[prod_3]prod_3=>frag_3+OH-->[frag_3]frag_3+OH=>prod_3--$ $>[prod_3]prod_3=>frag_3+OH-->[frag_3]frag_3+OH=>prod_3--$ $>[prod_3]prod_3=>frag_3+OH-->[frag_3]$	1.35E-04
96	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]O_2+nR=>HO_2+C_3H_6--$ $>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]$	1.17E-04
97	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR--$ $>[nR]nROO=>OH+propoxide-->[propoxide]$	1.16E-04
98	$[OH]C_3H_8+OH=>iR+H_2O-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR--$ $>[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]$	1.08E-04
99	$[OH]C_3H_8+OH=>nR+H_2O-->[nR]nROO=>QOOH_2-->[QOOH_2]well_2=>well_3--$ $>[well_3]QOOH_3=>OH+propoxide-->[propoxide]$	9.21E-05

100	$[\text{OH}]\text{C}_3\text{H}_8 + \text{OH} \Rightarrow \text{nR} + \text{H}_2\text{O} \rightarrow [\text{nR}]\text{O}_2 + \text{nR} \Rightarrow \text{QOOH}_2$ $[\text{QOOH}_2]\text{QOOH}_2 \Rightarrow \text{OH} + \text{propoxide} \rightarrow [\text{propoxide}]$	7.37E-05
-----	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------