

"Experimental and Detailed Kinetic Model for the Oxidation of a Gas to Liquid Jet Fuel"

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CHEMKIN INTERPRETER OUTPUT: CHEMKIN-II Version 3.9 Aug. 1994  
DOUBLE PRECISION

ELEMENTS CONSIDERED	ATOMIC WEIGHT
1. c	12.0120
2. h	1.00797
3. o	15.9994
4. n	14.0067
5. ar	39.9500

SPECIES CONSIDERED	C		MOLECULAR WEIGHT	TEMPERATURE		ELEMENT COUNT				
	P	H		LOW	HIGH	c	h	o	n	ar
1. hxol	G	0	102.18298	300	5000	6	14	1	0	0
2. h2	G	0	2.01594	300	5000	0	2	0	0	0
3. o2	G	0	31.99880	200	6000	0	0	2	0	0
4. co	G	0	28.01140	300	5000	1	0	1	0	0
5. co2	G	0	44.01080	300	5000	1	0	2	0	0
6. ch2o	G	0	30.02734	300	5000	1	2	1	0	0
7. c2h4	G	0	28.05588	300	5000	2	4	0	0	0
8. ch4	G	0	16.04388	300	5000	1	4	0	0	0
9. c2h6	G	0	30.07182	300	5000	2	6	0	0	0
10. c2h2	G	0	26.03994	300	5000	2	2	0	0	0
11. c3h8	G	0	44.09976	300	5000	3	8	0	0	0
12. c3h6	G	0	42.08382	300	5000	3	6	0	0	0
13. c4h10	G	0	58.12770	300	5000	4	10	0	0	0
14. c4h8	G	0	56.11176	300	5000	4	8	0	0	0
15. nc5h12	G	0	72.15564	300	5000	5	12	0	0	0
16. ic4h8	G	0	56.11176	300	5000	4	8	0	0	0
17. c5h10	G	0	70.13970	200	6000	5	10	0	0	0
18. c6h14	G	0	86.18358	300	5000	6	14	0	0	0
19. c6h12-1	G	0	84.16764	200	6000	6	12	0	0	0
20. ch3hco	G	0	44.05528	300	5000	2	4	1	0	0
21. ethco	G	0	58.08322	300	5000	3	6	1	0	0
22. acrol	G	0	56.06728	300	5000	3	4	1	0	0
23. c4h6	G	0	54.09582	300	3000	4	6	0	0	0
24. c6h6	G	0	78.11982	300	5000	6	6	0	0	0
25. nc3h7hco	G	0	72.11116	300	5000	4	8	1	0	0
26. nc4h9hco	G	0	86.13910	300	5000	5	10	1	0	0
27. c5h11hco	G	0	100.16704	300	5000	6	12	1	0	0

28.	ch3oh	G	0	32.04328	300	5000	1	4	1	0	0
29.	c2h4o	G	0	44.05528	300	5000	2	4	1	0	0
30.	pbz	G	0	120.20364	300	3000	9	12	0	0	0
31.	pch	G	0	126.25146	300	5000	9	18	0	0	0
32.	h2o	G	0	18.01534	300	5000	0	2	1	0	0
33.	CPD	G	0	66.10782	200	6000	5	6	0	0	0
34.	chxone	G	0	98.15110	300	5000	6	10	1	0	0
35.	chxe2oA	G	0	96.13516	300	5000	6	8	1	0	0
36.	chxe3oA	G	0	96.13516	300	5000	6	8	1	0	0
37.	cyc6h10	G	0	82.15170	300	5000	6	10	0	0	0
38.	che24one	G	0	94.11922	300	5000	6	6	1	0	0
39.	chxoqjB	G	0	129.14193	300	5000	6	9	3	0	0
40.	acetone	G	0	58.08322	200	6000	3	6	1	0	0
41.	c2h5coc2h3	G	0	84.12316	300	5000	5	8	1	0	0
42.	mchel	G	0	96.17964	300	5000	7	12	0	0	0
43.	toluen	G	0	92.14776	200	6000	7	8	0	0	0
44.	phc2h5	G	0	106.17570	300	3000	8	10	0	0	0
45.	styren	G	0	104.15976	300	5000	8	8	0	0	0
46.	c6h5oh	G	0	94.11922	300	4000	6	6	1	0	0
47.	phhco	G	0	106.13122	300	5000	7	6	1	0	0
48.	isope	G	0	68.12376	300	5000	5	8	0	0	0
49.	h	G	0	1.00797	300	5000	0	1	0	0	0
50.	o	G	0	15.99940	300	5000	0	0	1	0	0
51.	oh	G	0	17.00737	200	6000	0	1	1	0	0
52.	ho2	G	0	33.00677	300	5000	0	1	2	0	0
53.	h2o2	G	0	34.01474	300	5000	0	2	2	0	0
54.	n2	G	0	28.01340	300	5000	0	0	0	2	0
55.	ar	G	0	39.95000	300	5000	0	0	0	0	1
56.	ch3	G	0	15.03591	300	5000	1	3	0	0	0
57.	ch2	G	0	14.02794	300	5000	1	2	0	0	0
58.	sch2	G	0	14.02794	300	4000	1	2	0	0	0
59.	ch	G	0	13.01997	300	5000	1	1	0	0	0
60.	C	G	0	12.01200	300	5000	1	0	0	0	0
61.	ch3o	G	0	31.03531	300	5000	1	3	1	0	0
62.	ch2oh	G	0	31.03531	300	5000	1	3	1	0	0
63.	hco	G	0	29.01937	300	5000	1	1	1	0	0
64.	ch3o2	G	0	47.03471	300	5000	1	3	2	0	0
65.	ch3o2h	G	0	48.04268	300	5000	1	4	2	0	0
66.	o2cho	G	0	61.01817	300	5000	1	1	3	0	0
67.	ho2cho	G	0	62.02614	300	5000	1	2	3	0	0
68.	ocho	G	0	45.01877	300	5000	1	1	2	0	0
69.	hocho	G	0	46.02674	300	5000	1	2	2	0	0
70.	hoch2o	G	0	47.03471	300	5000	1	3	2	0	0
71.	c2h5	G	0	29.06385	300	5000	2	5	0	0	0
72.	c2h3	G	0	27.04791	300	5000	2	3	0	0	0
73.	c2h	G	0	25.03197	300	5000	2	1	0	0	0
74.	c2	G	0	24.02400	300	5000	2	0	0	0	0
75.	c2o	G	0	40.02340	300	5000	2	0	1	0	0
76.	ch3co	G	0	43.04731	300	5000	2	3	1	0	0
77.	ch2hco	G	0	43.04731	300	5000	2	3	1	0	0
78.	ch2co	G	0	42.03934	300	5000	2	2	1	0	0
79.	hcco	G	0	41.03137	300	5000	2	1	1	0	0
80.	ch3co2	G	0	59.04671	300	5000	2	3	2	0	0
81.	ch3co3	G	0	75.04611	300	5000	2	3	3	0	0
82.	ch3co3h	G	0	76.05408	300	5000	2	4	3	0	0
83.	c2h5oh	G	0	46.07122	300	5000	2	6	1	0	0
84.	c2h5o	G	0	45.06325	300	5000	2	5	1	0	0
85.	c2h5o2	G	0	61.06265	300	5000	2	5	2	0	0
86.	c2h5o2h	G	0	62.07062	300	5000	2	6	2	0	0
87.	c2h4o2h	G	0	61.06265	300	5000	2	5	2	0	0
88.	c2h2oh	G	0	43.04731	300	5000	2	3	1	0	0

89.	hccoh	G	0	42.03934	300	4000	2	2	1	0	0
90.	chocho	G	0	58.03874	300	5000	2	2	2	0	0
91.	choco	G	0	57.03077	300	5000	2	1	2	0	0
92.	c2h3o	G	0	43.04731	300	5000	2	3	1	0	0
93.	pc2h4oh	G	0	45.06325	300	5000	2	5	1	0	0
94.	o2c2h4oh	G	0	77.06205	300	5000	2	5	3	0	0
95.	ch3choh	G	0	45.06325	300	5000	2	5	1	0	0
96.	nc3h7	G	0	43.09179	300	5000	3	7	0	0	0
97.	ic3h7	G	0	43.09179	300	5000	3	7	0	0	0
98.	ac3h5	G	0	41.07585	300	5000	3	5	0	0	0
99.	tc3h5	G	0	41.07585	300	4000	3	5	0	0	0
100.	sc3h5	G	0	41.07585	300	5000	3	5	0	0	0
101.	pc3h4	G	0	40.06788	300	5000	3	4	0	0	0
102.	ac3h4	G	0	40.06788	300	5000	3	4	0	0	0
103.	c3h3	G	0	39.05991	300	5000	3	3	0	0	0
104.	c3h2	G	0	38.05194	300	5000	3	2	0	0	0
105.	nc3h7o	G	0	59.09119	300	5000	3	7	1	0	0
106.	nc3h7oh	G	0	60.09916	300	5000	3	8	1	0	0
107.	ic3h7o	G	0	59.09119	300	5000	3	7	1	0	0
108.	c3h6o	G	0	58.08322	300	5000	3	6	1	0	0
109.	c3h6o1-3	G	0	58.08322	300	5000	3	6	1	0	0
110.	c3h5o	G	0	57.07525	300	5000	3	5	1	0	0
111.	c3h4oh	G	0	57.07525	300	5000	3	5	1	0	0
112.	c3h4o2h	G	0	73.07465	300	5000	3	5	2	0	0
113.	c3h4o	G	0	56.06728	300	5000	3	4	1	0	0
114.	c3h3o	G	0	55.05931	300	5000	3	3	1	0	0
115.	c3h5o2h	G	0	74.08262	300	5000	3	6	2	0	0
116.	c3h5e1q2	G	0	74.08262	300	5000	3	6	2	0	0
117.	c2h5co	G	0	57.07525	300	5000	3	5	1	0	0
118.	c2h3co	G	0	55.05931	300	5000	3	3	1	0	0
119.	ch2coch3	G	0	57.07525	200	6000	3	5	1	0	0
120.	c3h5oh	G	0	58.08322	300	5000	3	6	1	0	0
121.	c3h6oh	G	0	59.09119	300	5000	3	7	1	0	0
122.	o2c3h6oh	G	0	91.08999	300	5000	3	7	3	0	0
123.	ch3chco	G	0	56.06728	300	5000	3	4	1	0	0
124.	ch2ch2hco	G	0	57.07525	300	5000	3	5	1	0	0
125.	o2c2h4hco	G	0	89.07405	300	5000	3	5	3	0	0
126.	ho2c2h4co	G	0	89.07405	300	5000	3	5	3	0	0
127.	ho2c2h4hco	G	0	90.08202	300	5000	3	6	3	0	0
128.	oc2h4hco	G	0	73.07465	300	5000	3	5	2	0	0
129.	ch3cocho	G	0	72.06668	300	5000	3	4	2	0	0
130.	ch3coco	G	0	71.05871	300	5000	3	3	2	0	0
131.	ch2cohco	G	0	71.05871	300	5000	3	3	2	0	0
132.	hcoch2hco	G	0	72.06668	300	5000	3	4	2	0	0
133.	hcoch2co	G	0	71.05871	300	5000	3	3	2	0	0
134.	ch3coch2o2	G	0	89.07405	300	5000	3	5	3	0	0
135.	ch3coch2o	G	0	73.07465	300	5000	3	5	2	0	0
136.	ch3coch2o2h	G	0	90.08202	300	5000	3	6	3	0	0
137.	propynal	G	0	54.05134	300	5000	3	2	1	0	0
138.	c2hco	G	0	53.04337	300	5000	3	1	1	0	0
139.	ic4h9	G	0	57.11973	300	5000	4	9	0	0	0
140.	tc4h9	G	0	57.11973	300	5000	4	9	0	0	0
141.	ic4h7	G	0	55.10379	300	3000	4	7	0	0	0
142.	c4h4o	G	0	68.07928	300	5000	4	4	1	0	0
143.	c3h4hco	G	0	69.08725	300	5000	4	5	1	0	0
144.	c3h3hco	G	0	68.07928	300	5000	4	4	1	0	0
145.	c3h3co	G	0	67.07131	300	5000	4	3	1	0	0
146.	pc4h9	G	0	57.11973	200	6000	4	9	0	0	0
147.	sc4h9	G	0	57.11973	200	6000	4	9	0	0	0
148.	t2c4h8	G	0	56.11176	300	5000	4	8	0	0	0
149.	c2c4h8	G	0	56.11176	300	5000	4	8	0	0	0

150.	Ac4h7-1	G	0	55.10379	300	5000	4	7	0	0	0
151.	Cc4h7-1	G	0	55.10379	300	3000	4	7	0	0	0
152.	Dc4h7-1	G	0	55.10379	300	5000	4	7	0	0	0
153.	butyne	G	0	54.09582	300	5000	4	6	0	0	0
154.	butyn2	G	0	54.09582	300	5000	4	6	0	0	0
155.	meall	G	0	54.09582	300	3000	4	6	0	0	0
156.	ic4h5	G	0	53.08785	300	5000	4	5	0	0	0
157.	nc4h5	G	0	53.08785	300	5000	4	5	0	0	0
158.	c4h4	G	0	52.07988	300	4000	4	4	0	0	0
159.	nc4h3	G	0	51.07191	300	5000	4	3	0	0	0
160.	ic4h3	G	0	51.07191	300	5000	4	3	0	0	0
161.	c4h2	G	0	50.06394	300	5000	4	2	0	0	0
162.	c3h7co	G	0	71.10319	300	5000	4	7	1	0	0
163.	c4h7oh	G	0	72.11116	300	5000	4	8	1	0	0
164.	ac3h5hco	G	0	70.09522	300	5000	4	6	1	0	0
165.	ac3h5co	G	0	69.08725	300	5000	4	5	1	0	0
166.	c2h3chcho	G	0	69.08725	300	5000	4	5	1	0	0
167.	c4h8o2	G	0	88.11056	300	5000	4	8	2	0	0
168.	butanone	G	0	72.11116	300	5000	4	8	1	0	0
169.	mvk	G	0	70.09522	300	5000	4	6	1	0	0
170.	ch2coc2h3	G	0	69.08725	300	5000	4	5	1	0	0
171.	mhd	G	0	96.17964	300	5000	7	12	0	0	0
172.	h2c4o	G	0	66.06334	300	5000	4	2	1	0	0
173.	c4h	G	0	49.05597	300	5000	4	1	0	0	0
174.	c4h6o2h	G	0	87.10259	300	5000	4	7	2	0	0
175.	hoc4h6	G	0	71.10319	300	5000	4	7	1	0	0
176.	ch3chch2hco	G	0	71.10319	300	5000	4	7	1	0	0
177.	c3h6cho-1	G	0	71.10319	300	5000	4	7	1	0	0
178.	ch3coc2h4p	G	0	71.10319	300	5000	4	7	1	0	0
179.	ch3coc2h4o2	G	0	103.10199	300	5000	4	7	3	0	0
180.	ch3coc2h4o2h	G	0	104.10996	300	5000	4	8	3	0	0
181.	ch3coc2h4o	G	0	87.10259	300	5000	4	7	2	0	0
182.	c2h5coch2	G	0	71.10319	300	5000	4	7	1	0	0
183.	c2h5coch2o2	G	0	103.10199	300	5000	4	7	3	0	0
184.	c2h5coch2o2h	G	0	104.10996	300	5000	4	8	3	0	0
185.	c2h5coch2o	G	0	87.10259	300	5000	4	7	2	0	0
186.	c4h7hco-1	G	0	84.12316	300	5000	5	8	1	0	0
187.	c4h7co-1	G	0	83.11519	300	5000	5	7	1	0	0
188.	c4h8hco-2	G	0	85.13113	300	5000	5	9	1	0	0
189.	c4h7hco-2	G	0	84.12316	300	5000	5	8	1	0	0
190.	c4h7co-2	G	0	83.11519	300	5000	5	7	1	0	0
191.	Ac5h11	G	0	71.14767	300	5000	5	11	0	0	0
192.	Bc5h11	G	0	71.14767	300	5000	5	11	0	0	0
193.	Cc5h11	G	0	71.14767	300	5000	5	11	0	0	0
194.	c2c5h10	G	0	70.13970	300	5000	5	10	0	0	0
195.	t2c5h10	G	0	70.13970	300	5000	5	10	0	0	0
196.	Ac5h9-1	G	0	69.13173	300	5000	5	9	0	0	0
197.	Bc5h9-1	G	0	69.13173	300	5000	5	9	0	0	0
198.	Cc5h9-1	G	0	69.13173	200	6000	5	9	0	0	0
199.	Dc5h9-1	G	0	69.13173	300	5000	5	9	0	0	0
200.	Ec5h9-1	G	0	69.13173	300	5000	5	9	0	0	0
201.	Dc5h9-2	G	0	69.13173	300	5000	5	9	0	0	0
202.	nc4h9co	G	0	85.13113	300	5000	5	9	1	0	0
203.	c3h7coch3	G	0	86.13910	300	5000	5	10	1	0	0
204.	c5h9oh	G	0	86.13910	300	5000	5	10	1	0	0
205.	c5h8-12	G	0	68.12376	300	5000	5	8	0	0	0
206.	c5h8-13	G	0	68.12376	300	5000	5	8	0	0	0
207.	c5h8-14	G	0	68.12376	300	5000	5	8	0	0	0
208.	c5h7	G	0	67.11579	300	5000	5	7	0	0	0
209.	ch3coc3h6o2-1	G	0	117.12993	300	5000	5	9	3	0	0
210.	ch3coc3h6o2h-1	G	0	118.13790	300	5000	5	10	3	0	0

211.	ch3coc3h6o-1	G	0	101.13053	300	5000	5	9	2	0	0
212.	isoph	G	0	69.13173	300	5000	5	9	0	0	0
213.	isopy	G	0	67.11579	300	5000	5	7	0	0	0
214.	Ac6h13	G	0	85.17561	300	5000	6	13	0	0	0
215.	Bc6h13	G	0	85.17561	300	5000	6	13	0	0	0
216.	Cc6h13	G	0	85.17561	300	5000	6	13	0	0	0
217.	c6h12-2	G	0	84.16764	200	6000	6	12	0	0	0
218.	c6h12-3	G	0	84.16764	200	6000	6	12	0	0	0
219.	Cc6h11-1	G	0	83.15967	300	5000	6	11	0	0	0
220.	Fc6h11-1	G	0	83.15967	300	5000	6	11	0	0	0
221.	Ac6h11-3	G	0	83.15967	300	5000	6	11	0	0	0
222.	Bc6h11-3	G	0	83.15967	300	5000	6	11	0	0	0
223.	c6h10-13	G	0	82.15170	200	6000	6	10	0	0	0
224.	c6h10-15	G	0	82.15170	300	5000	6	10	0	0	0
225.	c6h9	G	0	81.14373	300	5000	6	9	0	0	0
226.	c5h11co	G	0	99.15907	300	5000	6	11	1	0	0
227.	nc7h16	G	0	100.21152	300	5000	7	16	0	0	0
228.	Ac7h15	G	0	99.20355	300	5000	7	15	0	0	0
229.	Bc7h15	G	0	99.20355	300	5000	7	15	0	0	0
230.	Cc7h15	G	0	99.20355	300	5000	7	15	0	0	0
231.	Dc7h15	G	0	99.20355	300	5000	7	15	0	0	0
232.	c7h14-1	G	0	98.19558	200	6000	7	14	0	0	0
233.	c7h14-2	G	0	98.19558	300	5000	7	14	0	0	0
234.	c7h14-3	G	0	98.19558	300	5000	7	14	0	0	0
235.	c7h12-13	G	0	96.17964	300	5000	7	12	0	0	0
236.	c7h12-16	G	0	96.17964	300	5000	7	12	0	0	0
237.	Cc7h13-1	G	0	97.18761	300	5000	7	13	0	0	0
238.	Dc7h13-2	G	0	97.18761	300	5000	7	13	0	0	0
239.	Ec7h13-3	G	0	97.18761	300	5000	7	13	0	0	0
240.	Dc7h13-1	G	0	97.18761	300	5000	7	13	0	0	0
241.	Ac7h13-3	G	0	97.18761	300	5000	7	13	0	0	0
242.	c6h13hco	G	0	114.19498	300	5000	7	14	1	0	0
243.	c6h13co	G	0	113.18701	300	5000	7	13	1	0	0
244.	c7h14rohAB	G	0	115.20295	300	5000	7	15	1	0	0
245.	c7h14qjohAB	G	0	147.20175	300	5000	7	15	3	0	0
246.	c7h14rohBC	G	0	115.20295	300	5000	7	15	1	0	0
247.	c7h14qjohBC	G	0	147.20175	300	5000	7	15	3	0	0
248.	c7h14rohCD	G	0	115.20295	300	5000	7	15	1	0	0
249.	c7h14qjohCD	G	0	147.20175	300	5000	7	15	3	0	0
250.	p2c4h614	G	0	97.18761	300	3000	7	13	0	0	0
251.	p2c4h513	G	0	96.17964	300	3000	7	12	0	0	0
252.	P2c4h4134	G	0	95.17167	300	3000	7	11	0	0	0
253.	nc8h18	G	0	114.23946	200	6000	8	18	0	0	0
254.	Ac8h17	G	0	113.23149	300	5000	8	17	0	0	0
255.	Bc8h17	G	0	113.23149	300	5000	8	17	0	0	0
256.	Cc8h17	G	0	113.23149	300	5000	8	17	0	0	0
257.	Dc8h17	G	0	113.23149	300	5000	8	17	0	0	0
258.	c8h16-1	G	0	112.22352	200	6000	8	16	0	0	0
259.	c8h16-2	G	0	112.22352	300	5000	8	16	0	0	0
260.	c8h16-3	G	0	112.22352	300	5000	8	16	0	0	0
261.	c8h16-4	G	0	112.22352	300	5000	8	16	0	0	0
262.	Cc8h15-1	G	0	111.21555	300	5000	8	15	0	0	0
263.	Hc8h15-1	G	0	111.21555	300	5000	8	15	0	0	0
264.	Dc8h15-2	G	0	111.21555	300	5000	8	15	0	0	0
265.	Ec8h15-3	G	0	111.21555	300	5000	8	15	0	0	0
266.	c8h14	G	0	110.20758	300	5000	8	14	0	0	0
267.	c8h16rohAB	G	0	129.23089	300	5000	8	17	1	0	0
268.	c8h16rohBC	G	0	129.23089	300	5000	8	17	1	0	0
269.	c8h16rohCD	G	0	129.23089	300	5000	8	17	1	0	0
270.	c8h16rohDE	G	0	129.23089	300	5000	8	17	1	0	0
271.	c8h16qjohAB	G	0	161.22969	300	5000	8	17	3	0	0

272.	c8h16qjohBC	G	0	161.22969	300	5000	8	17	3	0	0
273.	c8h16qjohCD	G	0	161.22969	300	5000	8	17	3	0	0
274.	c8h16qjohDE	G	0	161.22969	300	5000	8	17	3	0	0
275.	c7h15hco	G	0	128.22292	300	5000	8	16	1	0	0
276.	c7h15co	G	0	127.21495	300	5000	8	15	1	0	0
277.	nc9h20	G	0	128.26740	200	6000	9	20	0	0	0
278.	Ac9h19	G	0	127.25943	200	6000	9	19	0	0	0
279.	Bc9h19	G	0	127.25943	300	5000	9	19	0	0	0
280.	Cc9h19	G	0	127.25943	300	5000	9	19	0	0	0
281.	Dc9h19	G	0	127.25943	300	5000	9	19	0	0	0
282.	Ec9h19	G	0	127.25943	300	5000	9	19	0	0	0
283.	c9h18-1	G	0	126.25146	300	5000	9	18	0	0	0
284.	c9h18-2	G	0	126.25146	300	5000	9	18	0	0	0
285.	c9h18-3	G	0	126.25146	300	5000	9	18	0	0	0
286.	c9h18-4	G	0	126.25146	300	5000	9	18	0	0	0
287.	Cc9h17-1	G	0	125.24349	300	5000	9	17	0	0	0
288.	Dc9h17-2	G	0	125.24349	300	5000	9	17	0	0	0
289.	Ec9h17-3	G	0	125.24349	300	5000	9	17	0	0	0
290.	Fc9h17-4	G	0	125.24349	300	5000	9	17	0	0	0
291.	c9h16	G	0	124.23552	300	5000	9	16	0	0	0
292.	c8h17hco	G	0	142.25086	300	5000	9	18	1	0	0
293.	c8h17co	G	0	141.24289	300	5000	9	17	1	0	0
294.	nc10h22	G	0	142.29534	200	6000	10	22	0	0	0
295.	Ac10h21	G	0	141.28737	300	5000	10	21	0	0	0
296.	Bc10h21	G	0	141.28737	300	5000	10	21	0	0	0
297.	Cc10h21	G	0	141.28737	300	5000	10	21	0	0	0
298.	Dc10h21	G	0	141.28737	300	5000	10	21	0	0	0
299.	Ec10h21	G	0	141.28737	300	5000	10	21	0	0	0
300.	c10h20-1	G	0	140.27940	300	5000	10	20	0	0	0
301.	c10h20-2	G	0	140.27940	300	5000	10	20	0	0	0
302.	c10h20-3	G	0	140.27940	300	5000	10	20	0	0	0
303.	c10h20-4	G	0	140.27940	300	5000	10	20	0	0	0
304.	c10h20-5	G	0	140.27940	300	5000	10	20	0	0	0
305.	Cc10h19-1	G	0	139.27143	300	5000	10	19	0	0	0
306.	Dc10h19-2	G	0	139.27143	300	5000	10	19	0	0	0
307.	Ec10h19-3	G	0	139.27143	300	5000	10	19	0	0	0
308.	Fc10h19-4	G	0	139.27143	300	5000	10	19	0	0	0
309.	c10h20rohAB	G	0	157.28677	300	5000	10	21	1	0	0
310.	c10h20qjohAB	G	0	189.28557	300	5000	10	21	3	0	0
311.	c10h20rohBC	G	0	157.28677	300	5000	10	21	1	0	0
312.	c10h20qjohBC	G	0	189.28557	300	5000	10	21	3	0	0
313.	c10h20rohCD	G	0	157.28677	300	5000	10	21	1	0	0
314.	c10h20qjohCD	G	0	189.28557	300	5000	10	21	3	0	0
315.	c10h20rohDE	G	0	157.28677	300	5000	10	21	1	0	0
316.	c10h20qjohDE	G	0	189.28557	300	5000	10	21	3	0	0
317.	c10h20rohEF	G	0	157.28677	300	5000	10	21	1	0	0
318.	c10h20qjohEF	G	0	189.28557	300	5000	10	21	3	0	0
319.	cyc6h12	G	0	84.16764	300	5000	6	12	0	0	0
320.	cyc6h11	G	0	83.15967	300	5000	6	11	0	0	0
321.	cyc6h9	G	0	81.14373	300	5000	6	9	0	0	0
322.	Bchxone	G	0	97.14313	300	5000	6	9	1	0	0
323.	Cchxone	G	0	97.14313	300	5000	6	9	1	0	0
324.	Dchxone	G	0	97.14313	300	5000	6	9	1	0	0
325.	Dchxe2oA	G	0	95.12719	300	5000	6	7	1	0	0
326.	Fc6e1oC	G	0	97.14313	300	5000	6	9	1	0	0
327.	c6e5oA	G	0	98.15110	300	5000	6	10	1	0	0
328.	c6e5oyA	G	0	97.14313	300	5000	6	9	1	0	0
329.	Ac6e5oC	G	0	97.14313	300	5000	6	9	1	0	0
330.	Ac6e5oB	G	0	97.14313	300	5000	6	9	1	0	0
331.	Ac6e3e5oB	G	0	95.12719	300	5000	6	7	1	0	0
332.	mch	G	0	98.19558	300	5000	7	14	0	0	0

333.	mchA	G	0	97.18761	300	5000	7	13	0	0	0
334.	mchB	G	0	97.18761	300	5000	7	13	0	0	0
335.	Amche1	G	0	95.17167	300	5000	7	11	0	0	0
336.	Cmche1	G	0	95.17167	300	5000	7	11	0	0	0
337.	Dmche1	G	0	95.17167	300	5000	7	11	0	0	0
338.	BmchohA	G	0	113.18701	300	5000	7	13	1	0	0
339.	mchohAqjB	G	0	145.18581	300	5000	7	13	3	0	0
340.	mche13	G	0	94.16370	300	5000	7	10	0	0	0
341.	mche14	G	0	94.16370	300	5000	7	10	0	0	0
342.	Emche13	G	0	93.15573	300	5000	7	9	0	0	0
343.	Gmche13	G	0	93.15573	300	5000	7	9	0	0	0
344.	Fmche14	G	0	93.15573	300	5000	7	9	0	0	0
345.	Gmche14	G	0	93.15573	300	5000	7	9	0	0	0
346.	mche135	G	0	92.14776	300	5000	7	8	0	0	0
347.	mche136	G	0	92.14776	300	5000	7	8	0	0	0
348.	mche1oC	G	0	110.16310	300	5000	7	10	1	0	0
349.	mchoA	G	0	112.17904	300	5000	7	12	1	0	0
350.	mche2oA	G	0	110.16310	300	5000	7	10	1	0	0
351.	chxco	G	0	111.17107	300	5000	7	11	1	0	0
352.	mche2oya	G	0	109.15513	300	5000	7	9	1	0	0
353.	mchoAoC	G	0	126.16250	300	5000	7	10	2	0	0
354.	mchoyAoC	G	0	125.15453	300	5000	7	9	2	0	0
355.	mchoAoD	G	0	126.16250	300	5000	7	10	2	0	0
356.	mchoyAoD	G	0	125.15453	300	5000	7	9	2	0	0
357.	AmchoD	G	0	111.17107	300	5000	7	11	1	0	0
358.	AmchoC	G	0	111.17107	300	5000	7	11	1	0	0
359.	Gc7h13-1	G	0	97.18761	300	5000	7	13	0	0	0
360.	c7e6oyA	G	0	111.17107	300	5000	7	11	1	0	0
361.	Gc7e1oC	G	0	111.17107	300	5000	7	11	1	0	0
362.	Ec5e1oC	G	0	83.11519	300	5000	5	7	1	0	0
363.	Ac7e6oB	G	0	111.17107	300	5000	7	11	1	0	0
364.	Gc7e1oD	G	0	111.17107	300	5000	7	11	1	0	0
365.	Ac5e4oB	G	0	83.11519	300	5000	5	7	1	0	0
366.	Gc7e1oF	G	0	111.17107	300	5000	7	11	1	0	0
367.	c6h7C	G	0	79.12779	300	5000	6	7	0	0	0
368.	Lc6h7	G	0	79.12779	300	5000	6	7	0	0	0
369.	Lc6h6	G	0	78.11982	300	5000	6	6	0	0	0
370.	Lc6h4	G	0	76.10388	300	5000	6	4	0	0	0
371.	U-c6h5	G	0	77.11185	300	5000	6	5	0	0	0
372.	chxelrD	G	0	81.14373	300	5000	6	9	0	0	0
373.	chd13	G	0	80.13576	300	5000	6	8	0	0	0
374.	chd14	G	0	80.13576	300	5000	6	8	0	0	0
375.	cyc6h9o	G	0	97.14313	300	5000	6	9	1	0	0
376.	Fc6e3oAoE	G	0	111.12659	300	5000	6	7	2	0	0
377.	Dc6e5oAoC	G	0	111.12659	300	5000	6	7	2	0	0
378.	Fc6e5oA	G	0	97.14313	300	5000	6	9	1	0	0
379.	Fc6e2oA	G	0	97.14313	300	5000	6	9	1	0	0
380.	Fc6h9-13	G	0	81.14373	300	5000	6	9	0	0	0
381.	hex135	G	0	80.13576	300	5000	6	8	0	0	0
382.	sc3h5co	G	0	69.08725	300	5000	4	5	1	0	0
383.	Ac6h9-15	G	0	81.14373	300	5000	6	9	0	0	0
384.	c5h5	G	0	65.09985	200	6000	5	5	0	0	0
385.	c5h4oh	G	0	81.09925	200	6000	5	5	1	0	0
386.	c5h5o	G	0	81.09925	300	3000	5	5	1	0	0
387.	c5h4o	G	0	80.09128	200	6000	5	4	1	0	0
388.	cyc5h7	G	0	67.11579	300	5000	5	7	0	0	0
389.	cyc5h8	G	0	68.12376	200	5000	5	8	0	0	0
390.	hex1245	G	0	78.11982	300	5000	6	6	0	0	0
391.	c6h615	G	0	78.11982	300	5000	6	6	0	0	0
392.	mc6h6	G	0	78.11982	300	5000	6	6	0	0	0
393.	fulvene	G	0	78.11982	300	5000	6	6	0	0	0

394.	c6h5	G	0	77.11185	300	5000	6	5	0	0	0
395.	c6h5o	G	0	93.11125	300	4000	6	5	1	0	0
396.	c6h4o2	G	0	108.10268	300	5000	6	4	2	0	0
397.	c6h5o2	G	0	109.11065	200	6000	6	5	2	0	0
398.	c6h5o2h	G	0	110.11862	200	6000	6	6	2	0	0
399.	c6h3o2	G	0	107.09471	300	5000	6	3	2	0	0
400.	c6h3o3	G	0	123.09411	300	5000	6	3	3	0	0
401.	c5h4	G	0	64.09188	300	5000	5	4	0	0	0
402.	c5h3	G	0	63.08391	300	5000	5	3	0	0	0
403.	phch2	G	0	91.13979	200	6000	7	7	0	0	0
404.	phch2oh	G	0	108.14716	300	5000	7	8	1	0	0
405.	phch2o	G	0	107.13919	300	3000	7	7	1	0	0
406.	phco	G	0	105.12325	300	5000	7	5	1	0	0
407.	hoc6h4ch3	G	0	108.14716	300	5000	7	8	1	0	0
408.	oc6h4ch3	G	0	107.13919	300	5000	7	7	1	0	0
409.	Aphc2h4	G	0	105.16773	300	3000	8	9	0	0	0
410.	Bphc2h4	G	0	105.16773	300	3000	8	9	0	0	0
411.	ASTYRYL	G	0	103.15179	300	5000	8	7	0	0	0
412.	BSTYRYL	G	0	103.15179	300	5000	8	7	0	0	0
413.	phc2h	G	0	102.14382	300	3000	8	6	0	0	0
414.	c6h4c2h3	G	0	103.15179	300	5000	8	7	0	0	0
415.	phch2hco	G	0	120.15916	300	5000	8	8	1	0	0
416.	phch2co	G	0	119.15119	300	5000	8	7	1	0	0
417.	phcoch2	G	0	119.15119	300	5000	8	7	1	0	0
418.	c6h5cco	G	0	117.13525	300	5000	8	5	1	0	0
419.	pbzjA	G	0	119.19567	300	3000	9	11	0	0	0
420.	pbzjB	G	0	119.19567	300	3000	9	11	0	0	0
421.	pbzjC	G	0	119.19567	300	3000	9	11	0	0	0
422.	BPHPROPY	G	0	119.19567	300	3000	9	11	0	0	0
423.	phc3h5-1	G	0	118.18770	300	5000	9	10	0	0	0
424.	phc3h5-2	G	0	118.18770	300	5000	9	10	0	0	0
425.	phc3h4	G	0	117.17973	300	5000	9	9	0	0	0
426.	phc3h3	G	0	116.17176	300	5000	9	8	0	0	0
427.	phc2h4hco	G	0	134.18710	300	5000	9	10	1	0	0
428.	phc2h4co	G	0	133.17913	300	5000	9	9	1	0	0
429.	phch2coch2	G	0	133.17913	300	5000	9	9	1	0	0
430.	phcoc2h4	G	0	133.17913	300	5000	9	9	1	0	0
431.	phc2h2hco	G	0	132.17116	300	5000	9	8	1	0	0
432.	phc2h2co	G	0	131.16319	300	5000	9	7	1	0	0
433.	phcoc2h3	G	0	132.17116	300	5000	9	8	1	0	0
434.	Bphc3h5ohA	G	0	135.19507	300	5000	9	11	1	0	0
435.	Aphc3h5ohB	G	0	135.19507	300	5000	9	11	1	0	0
436.	Cphc3h5ohB	G	0	135.19507	300	5000	9	11	1	0	0
437.	Bphc3h5ohC	G	0	135.19507	300	5000	9	11	1	0	0
438.	pbzohAqjB	G	0	167.19387	300	5000	9	11	3	0	0
439.	pbzohBqjA	G	0	167.19387	300	5000	9	11	3	0	0
440.	pbzohBqjC	G	0	167.19387	300	5000	9	11	3	0	0
441.	pbzohCqjB	G	0	167.19387	300	5000	9	11	3	0	0
442.	Cophc3h4-1	G	0	133.17913	300	5000	9	9	1	0	0
443.	Aophc3h4-2	G	0	133.17913	300	5000	9	9	1	0	0
444.	ch3c6h4c2h3	G	0	118.18770	300	5000	9	10	0	0	0
445.	ch3c6h4c2h5	G	0	120.20364	300	5000	9	12	0	0	0
446.	c14h14	G	0	182.27958	300	3000	14	14	0	0	0
447.	napht	G	0	128.18376	300	5000	10	8	0	0	0
448.	biphenyl	G	0	154.22370	300	5000	12	10	0	0	0
449.	c10h9	G	0	129.19173	200	6000	10	9	0	0	0
450.	c10h10	G	0	130.19970	200	6000	10	10	0	0	0
451.	c6h4c2h	G	0	101.13585	300	3000	8	5	0	0	0
452.	A1c2hAC	G	0	127.17579	300	5000	10	7	0	0	0
453.	A2-X	G	0	127.17579	300	5000	10	7	0	0	0
454.	A2O	G	0	143.17519	300	5000	10	7	1	0	0



455.	A2oh	G	0	144.18316	300	5000	10	8	1	0	0
456.	Alc2h3AC	G	0	129.19173	200	6000	10	9	0	0	0
457.	indenyl	G	0	115.16379	300	3000	9	7	0	0	0
458.	pchA	G	0	125.24349	300	5000	9	17	0	0	0
459.	pchB	G	0	125.24349	300	5000	9	17	0	0	0
460.	pchC	G	0	125.24349	300	5000	9	17	0	0	0
461.	pchD	G	0	125.24349	300	5000	9	17	0	0	0
462.	pchE	G	0	125.24349	300	5000	9	17	0	0	0
463.	pchF	G	0	125.24349	300	5000	9	17	0	0	0
464.	pchG	G	0	125.24349	300	5000	9	17	0	0	0
465.	pchqjA	G	0	157.24229	300	5000	9	17	2	0	0
466.	pchqjB	G	0	157.24229	300	5000	9	17	2	0	0
467.	pchqjC	G	0	157.24229	300	5000	9	17	2	0	0
468.	pchqjD	G	0	157.24229	300	5000	9	17	2	0	0
469.	pchqjE	G	0	157.24229	300	5000	9	17	2	0	0
470.	pchqjF	G	0	157.24229	300	5000	9	17	2	0	0
471.	pchqjG	G	0	157.24229	300	5000	9	17	2	0	0
472.	pchqA	G	0	158.25026	300	5000	9	18	2	0	0
473.	pchqB	G	0	158.25026	300	5000	9	18	2	0	0
474.	pchqC	G	0	158.25026	300	5000	9	18	2	0	0
475.	pchqD	G	0	158.25026	300	5000	9	18	2	0	0
476.	pchqE	G	0	158.25026	300	5000	9	18	2	0	0
477.	pchqF	G	0	158.25026	300	5000	9	18	2	0	0
478.	pchqG	G	0	158.25026	300	5000	9	18	2	0	0
479.	pchojA	G	0	141.24289	300	5000	9	17	1	0	0
480.	pchojB	G	0	141.24289	300	5000	9	17	1	0	0
481.	pchojC	G	0	141.24289	300	5000	9	17	1	0	0
482.	pchojD	G	0	141.24289	300	5000	9	17	1	0	0
483.	pchojE	G	0	141.24289	300	5000	9	17	1	0	0
484.	pchojF	G	0	141.24289	300	5000	9	17	1	0	0
485.	pchojG	G	0	141.24289	300	5000	9	17	1	0	0
486.	ApchqA	G	0	157.24229	300	5000	9	17	2	0	0
487.	BpchqA	G	0	157.24229	300	5000	9	17	2	0	0
488.	CpchqA	G	0	157.24229	300	5000	9	17	2	0	0
489.	DpchqA	G	0	157.24229	300	5000	9	17	2	0	0
490.	EpchqA	G	0	157.24229	300	5000	9	17	2	0	0
491.	FpchqA	G	0	157.24229	300	5000	9	17	2	0	0
492.	GpchqA	G	0	157.24229	300	5000	9	17	2	0	0
493.	ApchqB	G	0	157.24229	300	5000	9	17	2	0	0
494.	BpchqB	G	0	157.24229	300	5000	9	17	2	0	0
495.	CpchqB	G	0	157.24229	300	5000	9	17	2	0	0
496.	DpchqB	G	0	157.24229	300	5000	9	17	2	0	0
497.	EpchqB	G	0	157.24229	300	5000	9	17	2	0	0
498.	FpchqB	G	0	157.24229	300	5000	9	17	2	0	0
499.	GpchqB	G	0	157.24229	300	5000	9	17	2	0	0
500.	ApchqC	G	0	157.24229	300	5000	9	17	2	0	0
501.	BpchqC	G	0	157.24229	300	5000	9	17	2	0	0
502.	CpchqC	G	0	157.24229	300	5000	9	17	2	0	0
503.	DpchqC	G	0	157.24229	300	5000	9	17	2	0	0
504.	EpchqC	G	0	157.24229	300	5000	9	17	2	0	0
505.	FpchqC	G	0	157.24229	300	5000	9	17	2	0	0
506.	GpchqC	G	0	157.24229	300	5000	9	17	2	0	0
507.	ApchqD	G	0	157.24229	300	5000	9	17	2	0	0
508.	BpchqD	G	0	157.24229	300	5000	9	17	2	0	0
509.	CpchqD	G	0	157.24229	300	5000	9	17	2	0	0
510.	EpchqD	G	0	157.24229	300	5000	9	17	2	0	0
511.	FpchqD	G	0	157.24229	300	5000	9	17	2	0	0
512.	GpchqD	G	0	157.24229	300	5000	9	17	2	0	0
513.	ApchqE	G	0	157.24229	300	5000	9	17	2	0	0
514.	BpchqE	G	0	157.24229	300	5000	9	17	2	0	0
515.	CpchqE	G	0	157.24229	300	5000	9	17	2	0	0

516.	DpchgE	G	0	157.24229	300	5000	9	17	2	0	0
517.	EpchgE	G	0	157.24229	300	5000	9	17	2	0	0
518.	FpchgE	G	0	157.24229	300	5000	9	17	2	0	0
519.	GpchgE	G	0	157.24229	300	5000	9	17	2	0	0
520.	HpchgE	G	0	157.24229	300	5000	9	17	2	0	0
521.	ApchgF	G	0	157.24229	300	5000	9	17	2	0	0
522.	BpchgF	G	0	157.24229	300	5000	9	17	2	0	0
523.	CpchgF	G	0	157.24229	300	5000	9	17	2	0	0
524.	DpchgF	G	0	157.24229	300	5000	9	17	2	0	0
525.	EpchgF	G	0	157.24229	300	5000	9	17	2	0	0
526.	FpchgF	G	0	157.24229	300	5000	9	17	2	0	0
527.	GpchgF	G	0	157.24229	300	5000	9	17	2	0	0
528.	ApchgG	G	0	157.24229	300	5000	9	17	2	0	0
529.	BpchgG	G	0	157.24229	300	5000	9	17	2	0	0
530.	CpchgG	G	0	157.24229	300	5000	9	17	2	0	0
531.	DpchgG	G	0	157.24229	300	5000	9	17	2	0	0
532.	EpchgG	G	0	157.24229	300	5000	9	17	2	0	0
533.	FpchgG	G	0	157.24229	300	5000	9	17	2	0	0
534.	GpchgG	G	0	157.24229	300	5000	9	17	2	0	0
535.	IpchgE	G	0	157.24229	300	5000	9	17	2	0	0
536.	HpchgF	G	0	157.24229	300	5000	9	17	2	0	0
537.	IpchgF	G	0	157.24229	300	5000	9	17	2	0	0
538.	pchgAqjA	G	0	189.24109	300	5000	9	17	4	0	0
539.	pchgAqjB	G	0	189.24109	300	5000	9	17	4	0	0
540.	pchgAqjC	G	0	189.24109	300	5000	9	17	4	0	0
541.	pchgAqjD	G	0	189.24109	300	5000	9	17	4	0	0
542.	pchgAqjE	G	0	189.24109	300	5000	9	17	4	0	0
543.	pchgAqjF	G	0	189.24109	300	5000	9	17	4	0	0
544.	pchgAqjG	G	0	189.24109	300	5000	9	17	4	0	0
545.	pchgBqjA	G	0	189.24109	300	5000	9	17	4	0	0
546.	pchgBqjB	G	0	189.24109	300	5000	9	17	4	0	0
547.	pchgBqjC	G	0	189.24109	300	5000	9	17	4	0	0
548.	pchgBqjD	G	0	189.24109	300	5000	9	17	4	0	0
549.	pchgBqjE	G	0	189.24109	300	5000	9	17	4	0	0
550.	pchgBqjF	G	0	189.24109	300	5000	9	17	4	0	0
551.	pchgBqjG	G	0	189.24109	300	5000	9	17	4	0	0
552.	pchgCqjA	G	0	189.24109	300	5000	9	17	4	0	0
553.	pchgCqjB	G	0	189.24109	300	5000	9	17	4	0	0
554.	pchgCqjC	G	0	189.24109	300	5000	9	17	4	0	0
555.	pchgCqjD	G	0	189.24109	300	5000	9	17	4	0	0
556.	pchgCqjE	G	0	189.24109	300	5000	9	17	4	0	0
557.	pchgCqjF	G	0	189.24109	300	5000	9	17	4	0	0
558.	pchgCqjG	G	0	189.24109	300	5000	9	17	4	0	0
559.	pchgDqjA	G	0	189.24109	300	5000	9	17	4	0	0
560.	pchgDqjB	G	0	189.24109	300	5000	9	17	4	0	0
561.	pchgDqjC	G	0	189.24109	300	5000	9	17	4	0	0
562.	pchgDqjE	G	0	189.24109	300	5000	9	17	4	0	0
563.	pchgDqjF	G	0	189.24109	300	5000	9	17	4	0	0
564.	pchgDqjG	G	0	189.24109	300	5000	9	17	4	0	0
565.	pchgEqjA	G	0	189.24109	300	5000	9	17	4	0	0
566.	pchgEqjB	G	0	189.24109	300	5000	9	17	4	0	0
567.	pchgEqjC	G	0	189.24109	300	5000	9	17	4	0	0
568.	pchgEqjD	G	0	189.24109	300	5000	9	17	4	0	0
569.	pchgEqjE	G	0	189.24109	300	5000	9	17	4	0	0
570.	pchgEqjF	G	0	189.24109	300	5000	9	17	4	0	0
571.	pchgEqjG	G	0	189.24109	300	5000	9	17	4	0	0
572.	pchgEqjH	G	0	189.24109	300	5000	9	17	4	0	0
573.	pchgEqjI	G	0	189.24109	300	5000	9	17	4	0	0
574.	pchgFqjA	G	0	189.24109	300	5000	9	17	4	0	0
575.	pchgFqjB	G	0	189.24109	300	5000	9	17	4	0	0
576.	pchgFqjC	G	0	189.24109	300	5000	9	17	4	0	0

577.	pchgFqjD	G	0	189.24109	300	5000	9	17	4	0	0
578.	pchgFqjE	G	0	189.24109	300	5000	9	17	4	0	0
579.	pchgFqjF	G	0	189.24109	300	5000	9	17	4	0	0
580.	pchgFqjG	G	0	189.24109	300	5000	9	17	4	0	0
581.	pchgFqjH	G	0	189.24109	300	5000	9	17	4	0	0
582.	pchgFqjI	G	0	189.24109	300	5000	9	17	4	0	0
583.	pchgGqjA	G	0	189.24109	300	5000	9	17	4	0	0
584.	pchgGqjB	G	0	189.24109	300	5000	9	17	4	0	0
585.	pchgGqjC	G	0	189.24109	300	5000	9	17	4	0	0
586.	pchgGqjD	G	0	189.24109	300	5000	9	17	4	0	0
587.	pchgGqjE	G	0	189.24109	300	5000	9	17	4	0	0
588.	pchgGqjF	G	0	189.24109	300	5000	9	17	4	0	0
589.	pchgGqjG	G	0	189.24109	300	5000	9	17	4	0	0
590.	pchoAqB	G	0	172.23372	300	5000	9	16	3	0	0
591.	pchoAqC	G	0	172.23372	300	5000	9	16	3	0	0
592.	pchoAqD	G	0	172.23372	300	5000	9	16	3	0	0
593.	pchoAqE	G	0	172.23372	300	5000	9	16	3	0	0
594.	pchoBqA	G	0	172.23372	300	5000	9	16	3	0	0
595.	pchoBqC	G	0	172.23372	300	5000	9	16	3	0	0
596.	pchoBqD	G	0	172.23372	300	5000	9	16	3	0	0
597.	pchoBqE	G	0	172.23372	300	5000	9	16	3	0	0
598.	pchoBqF	G	0	172.23372	300	5000	9	16	3	0	0
599.	pchoCqA	G	0	172.23372	300	5000	9	16	3	0	0
600.	pchoCqB	G	0	172.23372	300	5000	9	16	3	0	0
601.	pchoCqD	G	0	172.23372	300	5000	9	16	3	0	0
602.	pchoCqE	G	0	172.23372	300	5000	9	16	3	0	0
603.	pchoCqF	G	0	172.23372	300	5000	9	16	3	0	0
604.	pchoCqG	G	0	172.23372	300	5000	9	16	3	0	0
605.	pchoEqA	G	0	172.23372	300	5000	9	16	3	0	0
606.	pchoEqB	G	0	172.23372	300	5000	9	16	3	0	0
607.	pchoEqC	G	0	172.23372	300	5000	9	16	3	0	0
608.	pchoEqD	G	0	172.23372	300	5000	9	16	3	0	0
609.	pchoEqF	G	0	172.23372	300	5000	9	16	3	0	0
610.	pchoEqG	G	0	172.23372	300	5000	9	16	3	0	0
611.	pchoEqH	G	0	172.23372	300	5000	9	16	3	0	0
612.	pchoEqI	G	0	172.23372	300	5000	9	16	3	0	0
613.	pchoFqA	G	0	172.23372	300	5000	9	16	3	0	0
614.	pchoFqB	G	0	172.23372	300	5000	9	16	3	0	0
615.	pchoFqC	G	0	172.23372	300	5000	9	16	3	0	0
616.	pchoFqD	G	0	172.23372	300	5000	9	16	3	0	0
617.	pchoFqE	G	0	172.23372	300	5000	9	16	3	0	0
618.	pchoFqG	G	0	172.23372	300	5000	9	16	3	0	0
619.	pchoFqH	G	0	172.23372	300	5000	9	16	3	0	0
620.	pchoFqI	G	0	172.23372	300	5000	9	16	3	0	0
621.	pchoGqC	G	0	172.23372	300	5000	9	16	3	0	0
622.	pchoGqD	G	0	172.23372	300	5000	9	16	3	0	0
623.	pchoGqE	G	0	172.23372	300	5000	9	16	3	0	0
624.	pchoGqF	G	0	172.23372	300	5000	9	16	3	0	0
625.	pchoAojB	G	0	155.22635	300	5000	9	15	2	0	0
626.	pchoAojC	G	0	155.22635	300	5000	9	15	2	0	0
627.	pchoAojD	G	0	155.22635	300	5000	9	15	2	0	0
628.	pchoBojA	G	0	155.22635	300	5000	9	15	2	0	0
629.	pchoBojC	G	0	155.22635	300	5000	9	15	2	0	0
630.	pchoBojD	G	0	155.22635	300	5000	9	15	2	0	0
631.	pchoBojE	G	0	155.22635	300	5000	9	15	2	0	0
632.	pchoCojA	G	0	155.22635	300	5000	9	15	2	0	0
633.	pchoCojB	G	0	155.22635	300	5000	9	15	2	0	0
634.	pchoCojD	G	0	155.22635	300	5000	9	15	2	0	0
635.	pchoCojE	G	0	155.22635	300	5000	9	15	2	0	0
636.	pchoCojF	G	0	155.22635	300	5000	9	15	2	0	0
637.	pchoEojA	G	0	155.22635	300	5000	9	15	2	0	0

638.	pchoEojB	G	0	155.22635	300	5000	9	15	2	0	0
639.	pchoEojC	G	0	155.22635	300	5000	9	15	2	0	0
640.	pchoEojD	G	0	155.22635	300	5000	9	15	2	0	0
641.	pchoEojF	G	0	155.22635	300	5000	9	15	2	0	0
642.	pchoEojG	G	0	155.22635	300	5000	9	15	2	0	0
643.	pchoEojH	G	0	155.22635	300	5000	9	15	2	0	0
644.	pchoEojI	G	0	155.22635	300	5000	9	15	2	0	0
645.	pchoFoJA	G	0	155.22635	300	5000	9	15	2	0	0
646.	pchoFoJB	G	0	155.22635	300	5000	9	15	2	0	0
647.	pchoFoJC	G	0	155.22635	300	5000	9	15	2	0	0
648.	pchoFoJD	G	0	155.22635	300	5000	9	15	2	0	0
649.	pchoFoJE	G	0	155.22635	300	5000	9	15	2	0	0
650.	pchoFoJG	G	0	155.22635	300	5000	9	15	2	0	0
651.	pchoFoJH	G	0	155.22635	300	5000	9	15	2	0	0
652.	pchoFoJI	G	0	155.22635	300	5000	9	15	2	0	0
653.	pchoGojD	G	0	155.22635	300	5000	9	15	2	0	0
654.	pchoGojE	G	0	155.22635	300	5000	9	15	2	0	0
655.	pchoGojF	G	0	155.22635	300	5000	9	15	2	0	0
656.	ApchohB	G	0	141.24289	300	5000	9	17	1	0	0
657.	BpchohA	G	0	141.24289	300	5000	9	17	1	0	0
658.	BpchohC	G	0	141.24289	300	5000	9	17	1	0	0
659.	CpchohB	G	0	141.24289	300	5000	9	17	1	0	0
660.	CpchohD	G	0	141.24289	300	5000	9	17	1	0	0
661.	DpchohC	G	0	141.24289	300	5000	9	17	1	0	0
662.	DpchohE	G	0	141.24289	300	5000	9	17	1	0	0
663.	EpchohD	G	0	141.24289	300	5000	9	17	1	0	0
664.	EpchohF	G	0	141.24289	300	5000	9	17	1	0	0
665.	FpchohE	G	0	141.24289	300	5000	9	17	1	0	0
666.	FpchohG	G	0	141.24289	300	5000	9	17	1	0	0
667.	GpchohF	G	0	141.24289	300	5000	9	17	1	0	0
668.	pcho-AB	G	0	140.23492	300	5000	9	16	1	0	0
669.	pcho-BC	G	0	140.23492	300	5000	9	16	1	0	0
670.	pcho-CD	G	0	140.23492	300	5000	9	16	1	0	0
671.	pcho-DE	G	0	140.23492	300	5000	9	16	1	0	0
672.	pcho-EF	G	0	140.23492	300	5000	9	16	1	0	0
673.	pcho-FG	G	0	140.23492	300	5000	9	16	1	0	0
674.	pcho-AC	G	0	140.23492	300	5000	9	16	1	0	0
675.	pcho-AD	G	0	140.23492	300	5000	9	16	1	0	0
676.	pcho-AE	G	0	140.23492	300	5000	9	16	1	0	0
677.	pcho-AF	G	0	140.23492	300	5000	9	16	1	0	0
678.	pcho-BD	G	0	140.23492	300	5000	9	16	1	0	0
679.	pcho-BE	G	0	140.23492	300	5000	9	16	1	0	0
680.	pcho-BF	G	0	140.23492	300	5000	9	16	1	0	0
681.	pcho-BG	G	0	140.23492	300	5000	9	16	1	0	0
682.	pcho-CE	G	0	140.23492	300	5000	9	16	1	0	0
683.	pcho-CF	G	0	140.23492	300	5000	9	16	1	0	0
684.	pcho-CG	G	0	140.23492	300	5000	9	16	1	0	0
685.	pcho-DF	G	0	140.23492	300	5000	9	16	1	0	0
686.	pcho-DG	G	0	140.23492	300	5000	9	16	1	0	0
687.	pcho-EG	G	0	140.23492	300	5000	9	16	1	0	0
688.	pcho-EI	G	0	140.23492	300	5000	9	16	1	0	0
689.	pcho-FH	G	0	140.23492	300	5000	9	16	1	0	0
690.	pcho-EH	G	0	140.23492	300	5000	9	16	1	0	0
691.	ApchoB	G	0	139.22695	300	5000	9	15	1	0	0
692.	BpchoA	G	0	139.22695	300	5000	9	15	1	0	0
693.	ApchoC	G	0	139.22695	300	5000	9	15	1	0	0
694.	CpchoA	G	0	139.22695	300	5000	9	15	1	0	0
695.	DpchoA	G	0	139.22695	300	5000	9	15	1	0	0
696.	ApchoE	G	0	139.22695	300	5000	9	15	1	0	0
697.	EpchoA	G	0	139.22695	300	5000	9	15	1	0	0
698.	ApchoF	G	0	139.22695	300	5000	9	15	1	0	0

699.	FpchoA	G	0	139.22695	300	5000	9	15	1	0	0
700.	BpchoC	G	0	139.22695	300	5000	9	15	1	0	0
701.	CpchoB	G	0	139.22695	300	5000	9	15	1	0	0
702.	DpchoB	G	0	139.22695	300	5000	9	15	1	0	0
703.	EpchoB	G	0	139.22695	300	5000	9	15	1	0	0
704.	BpchoE	G	0	139.22695	300	5000	9	15	1	0	0
705.	BpchoF	G	0	139.22695	300	5000	9	15	1	0	0
706.	FpchoB	G	0	139.22695	300	5000	9	15	1	0	0
707.	BpchoG	G	0	139.22695	300	5000	9	15	1	0	0
708.	GpchoB	G	0	139.22695	300	5000	9	15	1	0	0
709.	DpchoC	G	0	139.22695	300	5000	9	15	1	0	0
710.	CpchoE	G	0	139.22695	300	5000	9	15	1	0	0
711.	EpchoC	G	0	139.22695	300	5000	9	15	1	0	0
712.	CpchoF	G	0	139.22695	300	5000	9	15	1	0	0
713.	FpchoC	G	0	139.22695	300	5000	9	15	1	0	0
714.	CpchoG	G	0	139.22695	300	5000	9	15	1	0	0
715.	GpchoC	G	0	139.22695	300	5000	9	15	1	0	0
716.	DpchoE	G	0	139.22695	300	5000	9	15	1	0	0
717.	DpchoF	G	0	139.22695	300	5000	9	15	1	0	0
718.	DpchoG	G	0	139.22695	300	5000	9	15	1	0	0
719.	EpchoF	G	0	139.22695	300	5000	9	15	1	0	0
720.	FpchoE	G	0	139.22695	300	5000	9	15	1	0	0
721.	EpchoG	G	0	139.22695	300	5000	9	15	1	0	0
722.	GpchoE	G	0	139.22695	300	5000	9	15	1	0	0
723.	EpchoH	G	0	139.22695	300	5000	9	15	1	0	0
724.	HpchoE	G	0	139.22695	300	5000	9	15	1	0	0
725.	IpchoE	G	0	139.22695	300	5000	9	15	1	0	0
726.	FpchoG	G	0	139.22695	300	5000	9	15	1	0	0
727.	GpchoF	G	0	139.22695	300	5000	9	15	1	0	0
728.	HpchoF	G	0	139.22695	300	5000	9	15	1	0	0
729.	pche1	G	0	124.23552	300	5000	9	16	0	0	0
730.	pche2	G	0	124.23552	300	5000	9	16	0	0	0
731.	pche3	G	0	124.23552	300	5000	9	16	0	0	0
732.	pche4	G	0	124.23552	300	5000	9	16	0	0	0
733.	pche5	G	0	124.23552	300	5000	9	16	0	0	0
734.	pche6	G	0	124.23552	300	5000	9	16	0	0	0
735.	Apche2	G	0	123.22755	300	5000	9	15	0	0	0
736.	Dpche2	G	0	123.22755	300	5000	9	15	0	0	0
737.	Cpche4	G	0	123.22755	300	5000	9	15	0	0	0
738.	Dpche5	G	0	123.22755	300	5000	9	15	0	0	0
739.	Epche6	G	0	123.22755	300	5000	9	15	0	0	0
740.	Fpche7	G	0	123.22755	300	5000	9	15	0	0	0
741.	pche2ojA	G	0	139.22695	300	5000	9	15	1	0	0
742.	pche1ojC	G	0	139.22695	300	5000	9	15	1	0	0
743.	pche2ojD	G	0	139.22695	300	5000	9	15	1	0	0
744.	pche3ojB	G	0	139.22695	300	5000	9	15	1	0	0
745.	pche4ojC	G	0	139.22695	300	5000	9	15	1	0	0
746.	pche3ojE	G	0	139.22695	300	5000	9	15	1	0	0
747.	pche4ojF	G	0	139.22695	300	5000	9	15	1	0	0
748.	pche6ojE	G	0	139.22695	300	5000	9	15	1	0	0
749.	pche5ojG	G	0	139.22695	300	5000	9	15	1	0	0
750.	pche7ojF	G	0	139.22695	300	5000	9	15	1	0	0
751.	Ao2pchohB	G	0	173.24169	300	5000	9	17	3	0	0
752.	Bo2pchohA	G	0	173.24169	300	5000	9	17	3	0	0
753.	Bo2pchohC	G	0	173.24169	300	5000	9	17	3	0	0
754.	Co2pchohB	G	0	173.24169	300	5000	9	17	3	0	0
755.	Co2pchohD	G	0	173.24169	300	5000	9	17	3	0	0
756.	Do2pchohC	G	0	173.24169	300	5000	9	17	3	0	0
757.	Do2pchohE	G	0	173.24169	300	5000	9	17	3	0	0
758.	Eo2pchohD	G	0	173.24169	300	5000	9	17	3	0	0
759.	Eo2pchohF	G	0	173.24169	300	5000	9	17	3	0	0

760.	Fo2pchohE	G	0	173.24169	300	5000	9	17	3	0	0
761.	Fo2pchohG	G	0	173.24169	300	5000	9	17	3	0	0
762.	Go2pchohF	G	0	173.24169	300	5000	9	17	3	0	0
763.	pche1e3	G	0	122.21958	300	5000	9	14	0	0	0
764.	pche2e4	G	0	122.21958	300	5000	9	14	0	0	0
765.	pche3e5	G	0	122.21958	300	5000	9	14	0	0	0
766.	pche4e6	G	0	122.21958	300	5000	9	14	0	0	0
767.	pche5e7	G	0	122.21958	300	5000	9	14	0	0	0
768.	pchoA	G	0	140.23492	300	5000	9	16	1	0	0
769.	pchoyA	G	0	139.22695	300	5000	9	15	1	0	0
770.	pchoB	G	0	140.23492	300	5000	9	16	1	0	0
771.	pchoC	G	0	140.23492	300	5000	9	16	1	0	0
772.	pchoE	G	0	140.23492	300	5000	9	16	1	0	0
773.	pchoF	G	0	140.23492	300	5000	9	16	1	0	0
774.	pchoG	G	0	140.23492	300	5000	9	16	1	0	0
775.	DpchqBqE	G	0	189.24109	300	5000	9	17	4	0	0
776.	FpchqBqE	G	0	189.24109	300	5000	9	17	4	0	0
777.	GpchqBqE	G	0	189.24109	300	5000	9	17	4	0	0
778.	IpchqBqE	G	0	189.24109	300	5000	9	17	4	0	0
779.	DpchqCqE	G	0	189.24109	300	5000	9	17	4	0	0
780.	FpchqCqE	G	0	189.24109	300	5000	9	17	4	0	0
781.	GpchqCqE	G	0	189.24109	300	5000	9	17	4	0	0
782.	HpchqCqE	G	0	189.24109	300	5000	9	17	4	0	0
783.	IpchqCqE	G	0	189.24109	300	5000	9	17	4	0	0
784.	DpchqCqF	G	0	189.24109	300	5000	9	17	4	0	0
785.	EpchqCqF	G	0	189.24109	300	5000	9	17	4	0	0
786.	GpchqCqF	G	0	189.24109	300	5000	9	17	4	0	0
787.	HpchqCqF	G	0	189.24109	300	5000	9	17	4	0	0
788.	IpchqCqF	G	0	189.24109	300	5000	9	17	4	0	0
789.	ApchqDqF	G	0	189.24109	300	5000	9	17	4	0	0
790.	BpchqDqF	G	0	189.24109	300	5000	9	17	4	0	0
791.	CpchqDqF	G	0	189.24109	300	5000	9	17	4	0	0
792.	GpchqDqF	G	0	189.24109	300	5000	9	17	4	0	0
793.	HpchqDqF	G	0	189.24109	300	5000	9	17	4	0	0
794.	BpchqEqG	G	0	189.24109	300	5000	9	17	4	0	0
795.	CpchqEqG	G	0	189.24109	300	5000	9	17	4	0	0
796.	DpchqEqG	G	0	189.24109	300	5000	9	17	4	0	0
797.	FpchqEqG	G	0	189.24109	300	5000	9	17	4	0	0
798.	HpchqEqG	G	0	189.24109	300	5000	9	17	4	0	0
799.	IpchqEqG	G	0	189.24109	300	5000	9	17	4	0	0
800.	BpchqEqH	G	0	189.24109	300	5000	9	17	4	0	0
801.	CpchqEqH	G	0	189.24109	300	5000	9	17	4	0	0
802.	DpchqEqH	G	0	189.24109	300	5000	9	17	4	0	0
803.	FpchqEqH	G	0	189.24109	300	5000	9	17	4	0	0
804.	GpchqEqH	G	0	189.24109	300	5000	9	17	4	0	0
805.	IpchqEqH	G	0	189.24109	300	5000	9	17	4	0	0
806.	BpchqEqI	G	0	189.24109	300	5000	9	17	4	0	0
807.	CpchqEqI	G	0	189.24109	300	5000	9	17	4	0	0
808.	GpchqEqI	G	0	189.24109	300	5000	9	17	4	0	0
809.	CpchqFqH	G	0	189.24109	300	5000	9	17	4	0	0
810.	DpchqFqH	G	0	189.24109	300	5000	9	17	4	0	0
811.	EpchqFqH	G	0	189.24109	300	5000	9	17	4	0	0
812.	Dc6e5oA	G	0	97.14313	300	5000	6	9	1	0	0
813.	Fc9oAoG	G	0	155.22635	300	5000	9	15	2	0	0
814.	Fc9oAoH	G	0	155.22635	300	5000	9	15	2	0	0
815.	MeDc8oCoIrH	G	0	155.22635	300	5000	9	15	2	0	0
816.	MeDc8oBoIrH	G	0	155.22635	300	5000	9	15	2	0	0
817.	MeEc8oAoFrI	G	0	155.22635	300	5000	9	15	2	0	0
818.	EtDc7oEoIrA	G	0	155.22635	300	5000	9	15	2	0	0
819.	Fc9oAoE	G	0	155.22635	300	5000	9	15	2	0	0
820.	MeEc8oDoIrA	G	0	155.22635	300	5000	9	15	2	0	0

821.	c9oyAoF	G	0	155.22635	300	5000	9	15	2	0	0
822.	EtDc7oAoCrI	G	0	155.22635	300	5000	9	15	2	0	0
823.	EtDc7oAoHrI	G	0	155.22635	300	5000	9	15	2	0	0
824.	MeEc8oAoDrI	G	0	155.22635	300	5000	9	15	2	0	0
825.	EtDc7oCoIrA	G	0	155.22635	300	5000	9	15	2	0	0
826.	Ac9oBoF	G	0	155.22635	300	5000	9	15	2	0	0
827.	Ac9oDoF	G	0	155.22635	300	5000	9	15	2	0	0
828.	Fc9oAoD	G	0	155.22635	300	5000	9	15	2	0	0
829.	MeEc8oCoIrA	G	0	155.22635	300	5000	9	15	2	0	0
830.	MeEc8oAoCrI	G	0	155.22635	300	5000	9	15	2	0	0
831.	EtDc7oBoIrA	G	0	155.22635	300	5000	9	15	2	0	0
832.	Ac9oCoF	G	0	155.22635	300	5000	9	15	2	0	0
833.	MeEc8oBoIrA	G	0	155.22635	300	5000	9	15	2	0	0
834.	Fc9oAoC	G	0	155.22635	300	5000	9	15	2	0	0
835.	c9oAoGqjF	G	0	187.22515	300	5000	9	15	4	0	0
836.	Hc9oAoGqF	G	0	187.22515	300	5000	9	15	4	0	0
837.	c9oAoGqFqjH	G	0	219.22395	300	5000	9	15	6	0	0
838.	c9oAoGoFqH	G	0	202.21658	300	5000	9	14	5	0	0
839.	c7oyAoBoG	G	0	141.15393	300	5000	7	9	3	0	0
840.	c6oyAoF	G	0	113.14253	300	5000	6	9	2	0	0
841.	Ec5oA	G	0	85.13113	300	5000	5	9	1	0	0
842.	c5oAqjE	G	0	117.12993	300	5000	5	9	3	0	0
843.	Cc5oAqE	G	0	117.12993	300	5000	5	9	3	0	0
844.	Bc5oAqE	G	0	117.12993	300	5000	5	9	3	0	0
845.	c5oAqEqjC	G	0	149.12873	300	5000	5	9	5	0	0
846.	c5oAqEqjB	G	0	149.12873	300	5000	5	9	5	0	0
847.	c5oAoEqC	G	0	132.12136	300	5000	5	8	4	0	0
848.	c5oAoEqB	G	0	132.12136	300	5000	5	8	4	0	0
849.	Ac7oBoG	G	0	127.17047	300	5000	7	11	2	0	0
850.	c7oBoGqjA	G	0	159.16927	300	5000	7	11	4	0	0
851.	Cc7oBoGqA	G	0	159.16927	300	5000	7	11	4	0	0
852.	Dc7oBoGqA	G	0	159.16927	300	5000	7	11	4	0	0
853.	c7oBoGqAqjC	G	0	191.16807	300	5000	7	11	6	0	0
854.	c7oBoGqAqjD	G	0	191.16807	300	5000	7	11	6	0	0
855.	c7oAoBoGqC	G	0	174.16070	300	5000	7	10	5	0	0
856.	c7oAoBoGqD	G	0	174.16070	300	5000	7	10	5	0	0
857.	EtDc7oEoIqjA	G	0	187.22515	300	5000	9	15	4	0	0
858.	CEtDc7oEoIqA	G	0	187.22515	300	5000	9	15	4	0	0
859.	DEtDc7oEoIqA	G	0	187.22515	300	5000	9	15	4	0	0
860.	EtDc7oEoIqAqjC	G	0	219.22395	300	5000	9	15	6	0	0
861.	EtDc7oEoIqAqjD	G	0	219.22395	300	5000	9	15	6	0	0
862.	EtDc7oAoEoIqC	G	0	202.21658	300	5000	9	14	5	0	0
863.	EtDc7oAoEoIqD	G	0	202.21658	300	5000	9	14	5	0	0
864.	Cc6oAoD	G	0	113.14253	300	5000	6	9	2	0	0
865.	MeCc6oAoDoG	G	0	142.16190	300	5000	7	10	3	0	0
866.	MeCc6oyAoDoG	G	0	141.15393	300	5000	7	9	3	0	0
867.	MeCc6oAoDoyG	G	0	141.15393	300	5000	7	9	3	0	0
868.	c6oAoCoF	G	0	128.13396	300	5000	6	8	3	0	0
869.	c6oyAoCoF	G	0	127.12599	300	5000	6	7	3	0	0
870.	c6oAoCoyF	G	0	127.12599	300	5000	6	7	3	0	0
871.	Ec5oAoD	G	0	99.11459	300	5000	5	7	2	0	0
872.	Ec5oAoC	G	0	99.11459	300	5000	5	7	2	0	0
873.	MeBc5oAoCrF	G	0	113.14253	300	5000	6	9	2	0	0
874.	c9oAoCqjF	G	0	187.22515	300	5000	9	15	4	0	0
875.	Dc9oAoCqF	G	0	187.22515	300	5000	9	15	4	0	0
876.	c9oAoCqFqjD	G	0	219.22395	300	5000	9	15	6	0	0
877.	c9oAoCoFqD	G	0	202.21658	300	5000	9	14	5	0	0
878.	c6oAoC	G	0	114.15050	300	5000	6	10	2	0	0
879.	c6oyAoC	G	0	113.14253	300	5000	6	9	2	0	0
880.	MeEc8oAoCqjI	G	0	187.22515	300	5000	9	15	4	0	0
881.	DMEc8oAoCqI	G	0	187.22515	300	5000	9	15	4	0	0

882.	GMeEc8oAoCqI	G	0	187.22515	300	5000	9	15	4	0	0
883.	MeEc8oAoCqIqjD	G	0	219.22395	300	5000	9	15	6	0	0
884.	MeEc8oAoCqIqjG	G	0	219.22395	300	5000	9	15	6	0	0
885.	MeEc8oAoCoIqD	G	0	202.21658	300	5000	9	14	5	0	0
886.	MeEc8oAoCoIqG	G	0	202.21658	300	5000	9	14	5	0	0
887.	MeBc5oAoF	G	0	114.15050	300	5000	6	10	2	0	0
888.	MeBc5oyAoF	G	0	113.14253	300	5000	6	9	2	0	0
889.	c9oDoFqjA	G	0	187.22515	300	5000	9	15	4	0	0
890.	Cc9oDoFqA	G	0	187.22515	300	5000	9	15	4	0	0
891.	c9oDoFqAqjC	G	0	219.22395	300	5000	9	15	6	0	0
892.	c9oAoDoFqC	G	0	202.21658	300	5000	9	14	5	0	0
893.	EtDc7oArI	G	0	141.24289	300	5000	9	17	1	0	0
894.	EtDc7oAqjI	G	0	173.24169	300	5000	9	17	3	0	0
895.	DEtDc7oAqI	G	0	173.24169	300	5000	9	17	3	0	0
896.	EtDc7oAqIqjD	G	0	205.24049	300	5000	9	17	5	0	0
897.	EtDc7oAoIqD	G	0	188.23312	300	5000	9	16	4	0	0
898.	c7oAoD	G	0	128.17844	300	5000	7	12	2	0	0
899.	c7oyAoD	G	0	127.17047	300	5000	7	11	2	0	0
900.	EtDc7oIrA	G	0	141.24289	300	5000	9	17	1	0	0
901.	EtDc7oIqjA	G	0	173.24169	300	5000	9	17	3	0	0
902.	CEtDc7oIqA	G	0	173.24169	300	5000	9	17	3	0	0
903.	DEtDc7oIqA	G	0	173.24169	300	5000	9	17	3	0	0
904.	EtDc7oIqAqjC	G	0	205.24049	300	5000	9	17	5	0	0
905.	EtDc7oIqAqjD	G	0	205.24049	300	5000	9	17	5	0	0
906.	EtDc7oAoIqC	G	0	188.23312	300	5000	9	16	4	0	0
907.	MeEc8oArI	G	0	141.24289	300	5000	9	17	1	0	0
908.	MeEc8oAqjI	G	0	173.24169	300	5000	9	17	3	0	0
909.	DMeEc8oAqI	G	0	173.24169	300	5000	9	17	3	0	0
910.	FMeEc8oAqI	G	0	173.24169	300	5000	9	17	3	0	0
911.	MeEc8oAqIqjD	G	0	205.24049	300	5000	9	17	5	0	0
912.	MeEc8oAqIqjF	G	0	205.24049	300	5000	9	17	5	0	0
913.	MeEc8oAoIqD	G	0	188.23312	300	5000	9	16	4	0	0
914.	MeEc8oAoIqF	G	0	188.23312	300	5000	9	16	4	0	0
915.	MeCc6oAoG	G	0	128.17844	300	5000	7	12	2	0	0
916.	MeCc6oyAoG	G	0	127.17047	300	5000	7	11	2	0	0
917.	MeCc6oAoyG	G	0	127.17047	300	5000	7	11	2	0	0
918.	Bc6oAoF	G	0	113.14253	300	5000	6	9	2	0	0
919.	MeEc8oIrA	G	0	141.24289	300	5000	9	17	1	0	0
920.	Fc9oA	G	0	141.24289	300	5000	9	17	1	0	0
921.	MeEc8oIqjA	G	0	173.24169	300	5000	9	17	3	0	0
922.	CMeEc8oIqA	G	0	173.24169	300	5000	9	17	3	0	0
923.	DMeEc8oIqA	G	0	173.24169	300	5000	9	17	3	0	0
924.	MeEc8oIqAqjC	G	0	205.24049	300	5000	9	17	5	0	0
925.	MeEc8oIqAqjD	G	0	205.24049	300	5000	9	17	5	0	0
926.	MeEc8oAoIqC	G	0	188.23312	300	5000	9	16	4	0	0
927.	c9oAqjF	G	0	173.24169	300	5000	9	17	3	0	0
928.	Cc9oAqF	G	0	173.24169	300	5000	9	17	3	0	0
929.	Dc9oAqF	G	0	173.24169	300	5000	9	17	3	0	0
930.	Hc9oAqF	G	0	173.24169	300	5000	9	17	3	0	0
931.	c9oAqFqjC	G	0	205.24049	300	5000	9	17	5	0	0
932.	c9oAqFqjD	G	0	205.24049	300	5000	9	17	5	0	0
933.	c9oAqFqjH	G	0	205.24049	300	5000	9	17	5	0	0
934.	c9oAoFqC	G	0	188.23312	300	5000	9	16	4	0	0
935.	c9oAoFqD	G	0	188.23312	300	5000	9	16	4	0	0
936.	c9oAoFqH	G	0	188.23312	300	5000	9	16	4	0	0
937.	MeBc5oArF	G	0	99.15907	300	5000	6	11	1	0	0
938.	pchoBqjE	G	0	171.22575	300	5000	9	15	3	0	0
939.	CpchoBqE	G	0	171.22575	300	5000	9	15	3	0	0
940.	pchoBqEqjC	G	0	203.22455	300	5000	9	15	5	0	0
941.	pchoBoEqC	G	0	186.21718	300	5000	9	14	4	0	0
942.	pchoEqjB	G	0	171.22575	300	5000	9	15	3	0	0



943.	DpchoEqB	G	0	171.22575	300	5000	9	15	3	0	0
944.	pchoEqBqjD	G	0	203.22455	300	5000	9	15	5	0	0
945.	pchoBoEqD	G	0	186.21718	300	5000	9	14	4	0	0
946.	c7e6oA	G	0	112.17904	300	5000	7	12	1	0	0
947.	Ec7e6oA	G	0	111.17107	300	5000	7	11	1	0	0
948.	c5e4oB	G	0	84.12316	300	5000	5	8	1	0	0
949.	Cc5e4oB	G	0	83.11519	300	5000	5	7	1	0	0
950.	c7e6oAoE	G	0	126.16250	300	5000	7	10	2	0	0
951.	c7e6oyAoE	G	0	125.15453	300	5000	7	9	2	0	0
952.	Dc7oA	G	0	113.18701	300	5000	7	13	1	0	0
953.	c7e3oA	G	0	112.17904	300	5000	7	12	1	0	0
954.	c7e4oyA	G	0	111.17107	300	5000	7	11	1	0	0
955.	Cc5e4oA	G	0	83.11519	300	5000	5	7	1	0	0
956.	c6e5oAo4	G	0	112.13456	300	5000	6	8	2	0	0
957.	c6e5oyAo4	G	0	111.12659	300	5000	6	7	2	0	0
958.	c5e4oAoC	G	0	98.10662	300	5000	5	6	2	0	0
959.	c5e4oyAoC	G	0	97.09865	300	5000	5	5	2	0	0
960.	c6alCco	G	0	127.17047	300	5000	7	11	2	0	0
961.	MeCc6oBoGrA	G	0	127.17047	300	5000	7	11	2	0	0
962.	c7e6oAoD	G	0	126.16250	300	5000	7	10	2	0	0
963.	c7e6oyAoD	G	0	125.15453	300	5000	7	9	2	0	0
964.	c9e5oAoD	G	0	154.21838	300	5000	9	14	2	0	0
965.	c9e5oyAoD	G	0	153.21041	300	5000	9	13	2	0	0
966.	c9e6oAoD	G	0	154.21838	300	5000	9	14	2	0	0
967.	c9e6oyAoD	G	0	153.21041	300	5000	9	13	2	0	0
968.	Ac8e5oC	G	0	125.19901	300	5000	8	13	1	0	0
969.	c6e5oAoC	G	0	112.13456	300	5000	6	8	2	0	0
970.	c6e5oyAoC	G	0	111.12659	300	5000	6	7	2	0	0
971.	Gic7al	G	0	113.18701	300	5000	7	13	1	0	0
972.	Ac6oC	G	0	99.15907	300	5000	6	11	1	0	0
973.	Gpc7al	G	0	113.18701	300	5000	7	13	1	0	0
974.	Bc5oA	G	0	85.13113	300	5000	5	9	1	0	0
975.	ch2coch2hco	G	0	85.08665	300	5000	4	5	2	0	0
976.	c7e6oAoC	G	0	126.16250	300	5000	7	10	2	0	0
977.	c7e6oyAoC	G	0	125.15453	300	5000	7	9	2	0	0
978.	Cc6oA	G	0	99.15907	300	5000	6	11	1	0	0
979.	Ipc9oAoB	G	0	155.22635	300	5000	9	15	2	0	0
980.	c2h4cohco	G	0	85.08665	300	5000	4	5	2	0	0
981.	c6e5oAoB	G	0	112.13456	300	5000	6	8	2	0	0
982.	c6e5oyAoB	G	0	111.12659	300	5000	6	7	2	0	0
983.	Bc5oAoC	G	0	99.11459	300	5000	5	7	2	0	0
984.	Ac7oD	G	0	113.18701	300	5000	7	13	1	0	0
985.	Ac7oBoD	G	0	127.17047	300	5000	7	11	2	0	0
986.	Ec7e6oAoB	G	0	125.15453	300	5000	7	9	2	0	0
987.	chxoAoC	G	0	112.13456	300	5000	6	8	2	0	0
988.	chxoAoD	G	0	112.13456	300	5000	6	8	2	0	0
989.	BchxoAoC	G	0	111.12659	300	5000	6	7	2	0	0
990.	DchxoAoC	G	0	111.12659	300	5000	6	7	2	0	0
991.	c6oAoBoyF	G	0	127.12599	300	5000	6	7	3	0	0
992.	Ec5oAoB	G	0	99.11459	300	5000	5	7	2	0	0
993.	Fc6e1oCoE	G	0	111.12659	300	5000	6	7	2	0	0
994.	DchxoqB	G	0	129.14193	300	5000	6	9	3	0	0
995.	chxoqBqjD	G	0	161.14073	300	5000	6	9	5	0	0
996.	chxoAoBojD	G	0	127.12599	300	5000	6	7	3	0	0
997.	chxoAoBqD	G	0	144.13336	300	5000	6	8	4	0	0
998.	Fc6oAoDoE	G	0	127.12599	300	5000	6	7	3	0	0
999.	Fc6oAoCoD	G	0	127.12599	300	5000	6	7	3	0	0
***.	FpchqDqE	G	0	189.24109	300	5000	9	17	4	0	0
***.	pche5qD	G	0	156.23432	300	5000	9	16	2	0	0
***.	pche5ojD	G	0	139.22695	300	5000	9	15	1	0	0
***.	c9elqAoF	G	0	172.23372	300	5000	9	16	3	0	0

***. c9elojAoF	G	0	155.22635	300	5000	9	15	2	0	0
***. Dc5oBohE	G	0	101.13053	300	5000	5	9	2	0	0
***. c5oBqjDohE	G	0	133.12933	300	5000	5	9	4	0	0
***. c4oAoC	G	0	86.09462	300	5000	4	6	2	0	0
***. c4oyAoC	G	0	85.08665	300	5000	4	5	2	0	0
***. Fc9elqDqF	G	0	189.24109	300	5000	9	17	4	0	0
***. Iic9elqDqI	G	0	189.24109	300	5000	9	17	4	0	0
***. c9eloFqD	G	0	172.23372	300	5000	9	16	3	0	0
***. c9eloFojD	G	0	155.22635	300	5000	9	15	2	0	0
***. EtDc7eloIqD	G	0	172.23372	300	5000	9	16	3	0	0
***. EtDc7eloIoJD	G	0	155.22635	300	5000	9	15	2	0	0
***. c7eloD	G	0	112.17904	300	5000	7	12	1	0	0
***. Cc7eloD	G	0	111.17107	300	5000	7	11	1	0	0
***. Ipche4e6	G	0	121.21161	300	3000	9	13	0	0	0
***. Dpche5e7	G	0	121.21161	300	3000	9	13	0	0	0
***. Ipche5e7	G	0	121.21161	300	3000	9	13	0	0	0
***. BchxoAoD	G	0	111.12659	300	5000	6	7	2	0	0
***. chxe2oAoD	G	0	110.11862	300	5000	6	6	2	0	0
***. Echxe2oAoD	G	0	109.11065	300	5000	6	5	2	0	0
***. c6eloCoyF	G	0	111.12659	300	5000	6	7	2	0	0
***. c6e2e5oyAoD	G	0	109.11065	300	5000	6	5	2	0	0
***. Ic9oAoD	G	0	155.22635	300	5000	9	15	2	0	0
***. Gc7oAoD	G	0	127.17047	300	5000	7	11	2	0	0
***. Ic9oBoD	G	0	155.22635	300	5000	9	15	2	0	0
***. Gc7oBoD	G	0	127.17047	300	5000	7	11	2	0	0
***. Ac5oBoD	G	0	99.11459	300	5000	5	7	2	0	0
***. MeDc6oBoGrF	G	0	127.17047	300	5000	7	11	2	0	0
***. Bc5oAoD	G	0	99.11459	300	5000	5	7	2	0	0
***. MeEc8eloIqG	G	0	172.23372	300	5000	9	16	3	0	0
***. MeEc8eloIoJG	G	0	155.22635	300	5000	9	15	2	0	0
***. MeEc6eloGrF	G	0	111.17107	300	5000	7	11	1	0	0
***. Fc9elqEqH	G	0	189.24109	300	5000	9	17	4	0	0
***. c9ele5qH	G	0	156.23432	300	5000	9	16	2	0	0
***. c9ele5ojH	G	0	139.22695	300	5000	9	15	1	0	0
***. c7ele6qC	G	0	128.17844	300	5000	7	12	2	0	0
***. c7ele6ojC	G	0	111.17107	300	5000	7	11	1	0	0
***. Cc7h11-16	G	0	95.17167	300	5000	7	11	0	0	0
***. c9e5oAqH	G	0	172.23372	300	5000	9	16	3	0	0
***. c9e5oAojH	G	0	155.22635	300	5000	9	15	2	0	0
***. HpchqBqE	G	0	189.24109	300	5000	9	17	4	0	0
***. pche4qB	G	0	156.23432	300	5000	9	16	2	0	0
***. pche4ojB	G	0	139.22695	300	5000	9	15	1	0	0
***. mchelqC	G	0	128.17844	300	5000	7	12	2	0	0
***. mchelojC	G	0	111.17107	300	5000	7	11	1	0	0
***. MeBc4eloErD	G	0	83.11519	300	5000	5	7	1	0	0
***. ch2ccho	G	0	55.05931	300	5000	3	3	1	0	0
***. pche5qB	G	0	156.23432	300	5000	9	16	2	0	0
***. pche5ojB	G	0	139.22695	300	5000	9	15	1	0	0
***. Amche3	G	0	95.17167	300	5000	7	11	0	0	0
***. Gc7ele3	G	0	95.17167	300	5000	7	11	0	0	0
***. Fc9elqAqH	G	0	189.24109	300	5000	9	17	4	0	0
***. c7ele6qA	G	0	128.17844	300	5000	7	12	2	0	0
***. Bc7e6oA	G	0	111.17107	300	5000	7	11	1	0	0
***. Ic9oCoD	G	0	155.22635	300	5000	9	15	2	0	0
***. Gc7oCoD	G	0	127.17047	300	5000	7	11	2	0	0
***. Ac5oBoC	G	0	99.11459	300	5000	5	7	2	0	0
***. MeDc6oCoGrF	G	0	127.17047	300	5000	7	11	2	0	0
***. MeEc8eloIqF	G	0	172.23372	300	5000	9	16	3	0	0
***. MeEc8eloIoJF	G	0	155.22635	300	5000	9	15	2	0	0
***. Bc6e5oA	G	0	97.14313	300	5000	6	9	1	0	0
***. chxelqC	G	0	114.15050	300	5000	6	10	2	0	0

***. chxelojC	G	0	97.14313	300	5000	6	9	1	0	0
***. chchhco	G	0	55.05931	300	5000	3	3	1	0	0
***. c9e5oAqG	G	0	172.23372	300	5000	9	16	3	0	0
***. c9e5oAojG	G	0	155.22635	300	5000	9	15	2	0	0
***. c7e2oAoG	G	0	126.16250	300	5000	7	10	2	0	0
***. c7e2oyAoG	G	0	125.15453	300	5000	7	9	2	0	0
***. c7e2oAoyG	G	0	125.15453	300	5000	7	9	2	0	0
***. c7eloAoG	G	0	126.16250	300	5000	7	10	2	0	0
***. c7eloAoyG	G	0	125.15453	300	5000	7	9	2	0	0
***. Fc6eloA	G	0	97.14313	300	5000	6	9	1	0	0
***. Dc4eloA	G	0	69.08725	300	5000	4	5	1	0	0
***. Fc9elqEqG	G	0	189.24109	300	5000	9	17	4	0	0
***. c9ele6qE	G	0	156.23432	300	5000	9	16	2	0	0
***. c9ele6ojE	G	0	139.22695	300	5000	9	15	1	0	0
***. c9ele5qG	G	0	156.23432	300	5000	9	16	2	0	0
***. c9ele5ojG	G	0	139.22695	300	5000	9	15	1	0	0
***. c7e2e6oA	G	0	110.16310	300	5000	7	10	1	0	0
***. c7e2e6oyA	G	0	109.15513	300	5000	7	9	1	0	0
***. c5e2oA	G	0	84.12316	300	5000	5	8	1	0	0
***. c5e2oyA	G	0	83.11519	300	5000	5	7	1	0	0
***. EtDc7elqEqHrI	G	0	189.24109	300	5000	9	17	4	0	0
***. EtDc7ele8qE	G	0	156.23432	300	5000	9	16	2	0	0
***. EtDc7ele8ojE	G	0	139.22695	300	5000	9	15	1	0	0
***. MeCc6oAoDrG	G	0	127.17047	300	5000	7	11	2	0	0
***. pche3qF	G	0	156.23432	300	5000	9	16	2	0	0
***. pche3ojF	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc8e5oArI	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7e4oIrA	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc7e6e8oA	G	0	124.19104	300	5000	8	12	1	0	0
***. MeEc7e6e8oyA	G	0	123.18307	300	5000	8	11	1	0	0
***. MeCc6e3oArG	G	0	111.17107	300	5000	7	11	1	0	0
***. MeCc6ele7rF	G	0	95.17167	300	5000	7	11	0	0	0
***. MeCc5e4e5oA	G	0	96.13516	300	5000	6	8	1	0	0
***. MeCc5e4e5oyA	G	0	95.12719	300	5000	6	7	1	0	0
***. MeEc8e8oAqF	G	0	172.23372	300	5000	9	16	3	0	0
***. MeEc8e8oAojF	G	0	155.22635	300	5000	9	15	2	0	0
***. Ec6e5oA	G	0	97.14313	300	5000	6	9	1	0	0
***. MeBc6e7oAoF	G	0	126.16250	300	5000	7	10	2	0	0
***. MeBc6e7oAoyF	G	0	125.15453	300	5000	7	9	2	0	0
***. MeBc6e7oyAoF	G	0	125.15453	300	5000	7	9	2	0	0
***. MeBc5e6oArE	G	0	97.14313	300	5000	6	9	1	0	0
***. ic3h4hco	G	0	69.08725	300	5000	4	5	1	0	0
***. EtDc7eloIqE	G	0	172.23372	300	5000	9	16	3	0	0
***. EtDc7eloIoje	G	0	155.22635	300	5000	9	15	2	0	0
***. MeCc6e5oAoG	G	0	126.16250	300	5000	7	10	2	0	0
***. MeCc6e5oyAoG	G	0	125.15453	300	5000	7	9	2	0	0
***. MeCc6e5oAoyG	G	0	125.15453	300	5000	7	9	2	0	0
***. MeBc5e4oArF	G	0	97.14313	300	5000	6	9	1	0	0
***. Cc6e5oA	G	0	97.14313	300	5000	6	9	1	0	0
***. Dc7oAoC	G	0	127.17047	300	5000	7	11	2	0	0
***. c3h7chco	G	0	84.12316	300	5000	5	8	1	0	0
***. EtDc7e9oAqC	G	0	172.23372	300	5000	9	16	3	0	0
***. EtDc7e9oAojC	G	0	155.22635	300	5000	9	15	2	0	0
***. c9e5oAqC	G	0	172.23372	300	5000	9	16	3	0	0
***. c9e5oAojC	G	0	155.22635	300	5000	9	15	2	0	0
***. MeCc6eloG	G	0	112.17904	300	5000	7	12	1	0	0
***. MeCc6eloyG	G	0	111.17107	300	5000	7	11	1	0	0
***. c7e3oyA	G	0	111.17107	300	5000	7	11	1	0	0
***. chxoAqC	G	0	130.14990	300	5000	6	10	3	0	0
***. chxoAojC	G	0	113.14253	300	5000	6	9	2	0	0
***. Fc6oAoC	G	0	113.14253	300	5000	6	9	2	0	0

***. Fc6oAoE	G	0	113.14253	300	5000	6	9	2	0	0
***. AmchqBqD	G	0	161.18521	300	5000	7	13	4	0	0
***. mchelqD	G	0	128.17844	300	5000	7	12	2	0	0
***. mchelojD	G	0	111.17107	300	5000	7	11	1	0	0
***. MeEc6e5oArG	G	0	111.17107	300	5000	7	11	1	0	0
***. MeCc6e7oArF	G	0	111.17107	300	5000	7	11	1	0	0
***. MeCc4e3oArE	G	0	83.11519	300	5000	5	7	1	0	0
***. pche6qD	G	0	156.23432	300	5000	9	16	2	0	0
***. pche6ojD	G	0	139.22695	300	5000	9	15	1	0	0
***. Ac9e2oF	G	0	139.22695	300	5000	9	15	1	0	0
***. Ac9e3oF	G	0	139.22695	300	5000	9	15	1	0	0
***. Ac7e1oD	G	0	111.17107	300	5000	7	11	1	0	0
***. Ic9e3oA	G	0	139.22695	300	5000	9	15	1	0	0
***. Gc7e3oA	G	0	111.17107	300	5000	7	11	1	0	0
***. Ic9e4oA	G	0	139.22695	300	5000	9	15	1	0	0
***. MeDc8e9oArH	G	0	139.22695	300	5000	9	15	1	0	0
***. MeDc6e7oArF	G	0	111.17107	300	5000	7	11	1	0	0
***. Dc5e4oA	G	0	83.11519	300	5000	5	7	1	0	0
***. EtDc7e9oArG	G	0	139.22695	300	5000	9	15	1	0	0
***. Gc7e4oA	G	0	111.17107	300	5000	7	11	1	0	0
***. Ec5e4oA	G	0	83.11519	300	5000	5	7	1	0	0
***. MeDc6e5oArG	G	0	111.17107	300	5000	7	11	1	0	0
***. Dc9e8oA	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7e6oArI	G	0	139.22695	300	5000	9	15	1	0	0
***. Dc7e6oA	G	0	111.17107	300	5000	7	11	1	0	0
***. Gc7e1oE	G	0	111.17107	300	5000	7	11	1	0	0
***. Ic9e3oB	G	0	139.22695	300	5000	9	15	1	0	0
***. Gc7e3oB	G	0	111.17107	300	5000	7	11	1	0	0
***. MeDc8e9oBrH	G	0	139.22695	300	5000	9	15	1	0	0
***. MeDc6e7oBrF	G	0	111.17107	300	5000	7	11	1	0	0
***. Dc5e4oB	G	0	83.11519	300	5000	5	7	1	0	0
***. Ic9e4oB	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7e9oBrG	G	0	139.22695	300	5000	9	15	1	0	0
***. Gc7e4oB	G	0	111.17107	300	5000	7	11	1	0	0
***. Ec5e4oB	G	0	83.11519	300	5000	5	7	1	0	0
***. MeDc6e5oBrG	G	0	111.17107	300	5000	7	11	1	0	0
***. Dc9e8oB	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7e6oBrI	G	0	139.22695	300	5000	9	15	1	0	0
***. Dc7e6oB	G	0	111.17107	300	5000	7	11	1	0	0
***. MeDc8e7oBrI	G	0	139.22695	300	5000	9	15	1	0	0
***. MeDc8e9oCrH	G	0	139.22695	300	5000	9	15	1	0	0
***. MeCc6e7oDrA	G	0	111.17107	300	5000	7	11	1	0	0
***. Bc5e1oC	G	0	83.11519	300	5000	5	7	1	0	0
***. echeloD	G	0	124.19104	300	5000	8	12	1	0	0
***. c9e6oyA	G	0	139.22695	300	5000	9	15	1	0	0
***. Ic9e3oE	G	0	139.22695	300	5000	9	15	1	0	0
***. Hc8h15-3	G	0	111.21555	300	5000	8	15	0	0	0
***. Ac7e4oC	G	0	111.17107	300	5000	7	11	1	0	0
***. Ic9e4oC	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7e9oCrH	G	0	139.22695	300	5000	9	15	1	0	0
***. Gc7e4oC	G	0	111.17107	300	5000	7	11	1	0	0
***. Ac5e1oC	G	0	83.11519	300	5000	5	7	1	0	0
***. MeCc6e1oDrG	G	0	111.17107	300	5000	7	11	1	0	0
***. Ac9e6oB	G	0	139.22695	300	5000	9	15	1	0	0
***. Gc7h13-3	G	0	97.18761	300	5000	7	13	0	0	0
***. Ac9e6oD	G	0	139.22695	300	5000	9	15	1	0	0
***. Ac7e4oB	G	0	111.17107	300	5000	7	11	1	0	0
***. EtDc7e6oCrI	G	0	139.22695	300	5000	9	15	1	0	0
***. Dc9e8oC	G	0	139.22695	300	5000	9	15	1	0	0
***. Dc7e1oE	G	0	111.17107	300	5000	7	11	1	0	0
***. echeloF	G	0	124.19104	300	5000	8	12	1	0	0

***. Ac9e6oC	G	0	139.22695	300	5000	9	15	1	0	0
***. MeDc8e7oCrI	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc8e9oDrA	G	0	139.22695	300	5000	9	15	1	0	0
***. MeCc6e7oBrA	G	0	111.17107	300	5000	7	11	1	0	0
***. mcheloD	G	0	110.16310	300	5000	7	10	1	0	0
***. MeEc8e9oCrA	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc8e9oyA	G	0	139.22695	300	5000	9	15	1	0	0
***. MeCc6e7oyA	G	0	111.17107	300	5000	7	11	1	0	0
***. MeBc5elrF	G	0	83.15967	300	5000	6	11	0	0	0
***. MeDc7e8rA	G	0	111.21555	300	5000	8	15	0	0	0
***. mcheloE	G	0	110.16310	300	5000	7	10	1	0	0
***. MeEc8e9oBrH	G	0	139.22695	300	5000	9	15	1	0	0
***. Ac9e5oC	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc6e5oBrG	G	0	111.17107	300	5000	7	11	1	0	0
***. Ac9e5oD	G	0	139.22695	300	5000	9	15	1	0	0
***. Ac7e3oB	G	0	111.17107	300	5000	7	11	1	0	0
***. EtDc7eloCrI	G	0	139.22695	300	5000	9	15	1	0	0
***. Dc7eloC	G	0	111.17107	300	5000	7	11	1	0	0
***. EtDc7e9oyA	G	0	139.22695	300	5000	9	15	1	0	0
***. EtCc6elrH	G	0	111.21555	300	5000	8	15	0	0	0
***. MeEc8eloDrI	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc8eloyI	G	0	139.22695	300	5000	9	15	1	0	0
***. c6ele5oC	G	0	96.13516	300	5000	6	8	1	0	0
***. Ec8h15-1	G	0	111.21555	300	5000	8	15	0	0	0
***. Ac9e5oB	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7e9oBrA	G	0	139.22695	300	5000	9	15	1	0	0
***. MeCc6elrG	G	0	97.18761	300	5000	7	13	0	0	0
***. EtDc7eloHrI	G	0	139.22695	300	5000	9	15	1	0	0
***. Fc9eloE	G	0	139.22695	300	5000	9	15	1	0	0
***. c7ele6oC	G	0	110.16310	300	5000	7	10	1	0	0
***. c9e5oyA	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7e9oCrA	G	0	139.22695	300	5000	9	15	1	0	0
***. Ac8h15-4	G	0	111.21555	300	5000	8	15	0	0	0
***. EtBc5e7oyA	G	0	111.17107	300	5000	7	11	1	0	0
***. Fc9eloC	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc8eloCrI	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7eloyI	G	0	139.22695	300	5000	9	15	1	0	0
***. MeDc7elrH	G	0	111.21555	300	5000	8	15	0	0	0
***. Fc9eloD	G	0	139.22695	300	5000	9	15	1	0	0
***. c7ele6oD	G	0	110.16310	300	5000	7	10	1	0	0
***. ch2cco	G	0	54.05134	300	5000	3	2	1	0	0
***. EtDc7e3oIrG	G	0	139.22695	300	5000	9	15	1	0	0
***. Etall	G	0	68.12376	300	5000	5	8	0	0	0
***. EpchqDqB	G	0	189.24109	300	5000	9	17	4	0	0
***. Fc6ele4	G	0	81.14373	300	5000	6	9	0	0	0
***. mchel1qDqF	G	0	160.17724	300	5000	7	12	4	0	0
***. mchel1qDojF	G	0	143.16987	300	5000	7	11	3	0	0
***. MeEc8e9oAqC	G	0	172.23372	300	5000	9	16	3	0	0
***. MeEc6e5oAqCrG	G	0	143.16987	300	5000	7	11	3	0	0
***. Dc4oAqC	G	0	103.10199	300	5000	4	7	3	0	0
***. MeCc6e7oAqErF	G	0	143.16987	300	5000	7	11	3	0	0
***. MeCc6e5e7oA	G	0	110.16310	300	5000	7	10	1	0	0
***. MeCc6e5e7oyA	G	0	109.15513	300	5000	7	9	1	0	0
***. MeBc5ele4rF	G	0	81.14373	300	5000	6	9	0	0	0
***. MeEc8e9oAojC	G	0	155.22635	300	5000	9	15	2	0	0
***. MeCc6e7oA	G	0	112.17904	300	5000	7	12	1	0	0
***. Ic9e3qFqH	G	0	189.24109	300	5000	9	17	4	0	0
***. c9ele6qD	G	0	156.23432	300	5000	9	16	2	0	0
***. c9ele6ojD	G	0	139.22695	300	5000	9	15	1	0	0
***. c6e3oA	G	0	98.15110	300	5000	6	10	1	0	0
***. c6e3oyA	G	0	97.14313	300	5000	6	9	1	0	0

***. BchxqAqC	G	0	147.15727	300	5000	6	11	4	0	0
***. c9e6oAqE	G	0	172.23372	300	5000	9	16	3	0	0
***. c9e6oAojE	G	0	155.22635	300	5000	9	15	2	0	0
***. MeEc8eloIqD	G	0	172.23372	300	5000	9	16	3	0	0
***. MeEc8eloIoJD	G	0	155.22635	300	5000	9	15	2	0	0
***. pche5qH	G	0	156.23432	300	5000	9	16	2	0	0
***. pche5ojH	G	0	139.22695	300	5000	9	15	1	0	0
***. EtDc7eloIrC	G	0	139.22695	300	5000	9	15	1	0	0
***. pche4qH	G	0	156.23432	300	5000	9	16	2	0	0
***. pche4ojH	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc8e9oArD	G	0	139.22695	300	5000	9	15	1	0	0
***. c9e6oAqD	G	0	172.23372	300	5000	9	16	3	0	0
***. c9e6oAojD	G	0	155.22635	300	5000	9	15	2	0	0
***. BchxqAqD	G	0	147.15727	300	5000	6	11	4	0	0
***. chxelqD	G	0	114.15050	300	5000	6	10	2	0	0
***. chxelojD	G	0	97.14313	300	5000	6	9	1	0	0
***. ac3h4hco1	G	0	69.08725	300	5000	4	5	1	0	0
***. pche6qI	G	0	156.23432	300	5000	9	16	2	0	0
***. pche6ojI	G	0	139.22695	300	5000	9	15	1	0	0
***. MeEc8eloIrC	G	0	139.22695	300	5000	9	15	1	0	0
***. pche5qI	G	0	156.23432	300	5000	9	16	2	0	0
***. pche5ojI	G	0	139.22695	300	5000	9	15	1	0	0
***. Fc9e4oA	G	0	139.22695	300	5000	9	15	1	0	0
***. c7e4e6oA	G	0	110.16310	300	5000	7	10	1	0	0
***. c7e4e6oyA	G	0	109.15513	300	5000	7	9	1	0	0
***. Ec6h9-13	G	0	81.14373	300	5000	6	9	0	0	0
***. AchxqBqD	G	0	147.15727	300	5000	6	11	4	0	0
***. c9e6oAqC	G	0	172.23372	300	5000	9	16	3	0	0
***. c9e6oAojC	G	0	155.22635	300	5000	9	15	2	0	0
***. c7e4oA	G	0	112.17904	300	5000	7	12	1	0	0
***. chxelqjC	G	0	113.14253	300	5000	6	9	2	0	0
***. EchxelqC	G	0	113.14253	300	5000	6	9	2	0	0
***. chxelqCqjE	G	0	145.14133	300	5000	6	9	4	0	0
***. chxeloCqE	G	0	128.13396	300	5000	6	8	3	0	0
***. chxeloCojE	G	0	111.12659	300	5000	6	7	2	0	0
***. c6e2e5oA	G	0	96.13516	300	5000	6	8	1	0	0
***. c6e2e5oyA	G	0	95.12719	300	5000	6	7	1	0	0
***. c8h15hco	G	0	140.23492	300	5000	9	16	1	0	0
***. c8h15co	G	0	139.22695	300	5000	9	15	1	0	0
***. c9oAoF	G	0	156.23432	300	5000	9	16	2	0	0
***. MeEc8oAoI	G	0	156.23432	300	5000	9	16	2	0	0
***. MeEc8oyAoI	G	0	155.22635	300	5000	9	15	2	0	0
***. MeEc8oAoyI	G	0	155.22635	300	5000	9	15	2	0	0
***. EtDc7oAoI	G	0	156.23432	300	5000	9	16	2	0	0
***. EtDc7oyAoI	G	0	155.22635	300	5000	9	15	2	0	0
***. EtDc7oAoyI	G	0	155.22635	300	5000	9	15	2	0	0
***. c9e8oD	G	0	140.23492	300	5000	9	16	1	0	0
***. Hc8oD	G	0	127.21495	300	5000	8	15	1	0	0
***. MeDc7oHrA	G	0	127.21495	300	5000	8	15	1	0	0
***. Ec8oA	G	0	127.21495	300	5000	8	15	1	0	0
***. EtCc6oArH	G	0	127.21495	300	5000	8	15	1	0	0
***. MeDc7oArH	G	0	127.21495	300	5000	8	15	1	0	0
***. VINacrol	G	0	82.10722	300	5000	5	6	1	0	0
***. c5oAoE	G	0	100.12256	300	5000	5	8	2	0	0
***. c5oyAoE	G	0	99.11459	300	5000	5	7	2	0	0
***. echel	G	0	110.20758	300	5000	8	14	0	0	0
***. P2c4h614	G	0	97.18761	300	3000	7	13	0	0	0
***. ech	G	0	112.22352	300	5000	8	16	0	0	0
***. ch2ch2ch2hco	G	0	71.10319	300	5000	4	7	1	0	0
***. Ac5oB	G	0	85.13113	300	5000	5	9	1	0	0
***. P2c4h513	G	0	96.17964	300	3000	7	12	0	0	0

***. echele3	G	0	108.19164	300	5000	8	12	0	0	0
***. c2h3coc2h4	G	0	83.11519	300	5000	5	7	1	0	0
***. AechoE	G	0	125.19901	300	5000	8	13	1	0	0
***. AechoB	G	0	125.19901	300	5000	8	13	1	0	0
***. etvinket	G	0	84.12316	300	5000	5	8	1	0	0
***. echeloE	G	0	124.19104	300	5000	8	12	1	0	0
***. bmepral	G	0	72.11116	300	5000	4	8	1	0	0
***. bme1bu	G	0	70.13970	300	5000	5	10	0	0	0
***. bme2bu	G	0	70.13970	300	5000	5	10	0	0	0
***. bddm2pe	G	0	98.19558	300	5000	7	14	0	0	0
***. dddm1pe	G	0	98.19558	300	3000	7	14	0	0	0
***. dddm2pe	G	0	98.19558	300	5000	7	14	0	0	0
***. bddmpe2	G	0	99.20355	300	5000	7	15	0	0	0
***. bddtmpe1	G	0	113.23149	300	5000	8	17	0	0	0
***. bddm3pe2	G	0	97.18761	300	5000	7	13	0	0	0
***. bddm1pe1	G	0	97.18761	300	3000	7	13	0	0	0
***. bmepryl	G	0	71.10319	300	5000	4	7	1	0	0
***. bme2b1	G	0	69.13173	300	5000	5	9	0	0	0
***. cme2b1	G	0	69.13173	300	5000	5	9	0	0	0
***. nec5h11	G	0	71.14767	300	5000	5	11	0	0	0
***. dddmpe2	G	0	99.20355	300	5000	7	15	0	0	0
***. bddtmpe3	G	0	113.23149	300	5000	8	17	0	0	0
***. dddm2pe1	G	0	97.18761	300	3000	7	13	0	0	0
***. bddtmpe2	G	0	113.23149	300	5000	8	17	0	0	0
***. bddtmpe1	G	0	113.23149	300	5000	8	17	0	0	0
***. bddm1pe3	G	0	97.18761	300	5000	7	13	0	0	0
***. bddm2pe3	G	0	97.18761	300	3000	7	13	0	0	0
***. dddm2pe2	G	0	97.18761	300	3000	7	13	0	0	0
***. dm2mylpe	G	0	97.18761	300	5000	7	13	0	0	0
***. dddm1pe3	G	0	97.18761	300	5000	7	13	0	0	0
***. bddm2pe1	G	0	97.18761	300	3000	7	13	0	0	0
***. dddm1pe2	G	0	97.18761	300	3000	7	13	0	0	0
***. oc7h14	G	0	114.19498	300	5000	7	14	1	0	0
***. bme2pe4	G	0	83.15967	300	5000	6	11	0	0	0
***. bddm1pe	G	0	98.19558	300	3000	7	14	0	0	0
***. metacrol	G	0	70.09522	300	3000	4	6	1	0	0
***. c3h5co	G	0	69.08725	300	5000	4	5	1	0	0
***. c4h8o	G	0	72.11116	300	5000	4	8	1	0	0
***. c4h7o	G	0	71.10319	300	5000	4	7	1	0	0
***. ic8h18	G	0	114.23946	298	5000	8	18	0	0	0
***. i2c8h16	G	0	112.22352	300	5000	8	16	0	0	0
***. i1c8h16	G	0	112.22352	300	5000	8	16	0	0	0
***. ic8h15	G	0	111.21555	200	5000	8	15	0	0	0
***. pc7h15	G	0	99.20355	300	5000	7	15	0	0	0
***. hxol1j	G	0	101.17501	300	5000	6	13	1	0	0
***. hxol2j	G	0	101.17501	300	5000	6	13	1	0	0
***. hxol3j	G	0	101.17501	300	5000	6	13	1	0	0
***. hxol4j	G	0	101.17501	300	5000	6	13	1	0	0
***. hxol5j	G	0	101.17501	300	5000	6	13	1	0	0
***. hxol6j	G	0	101.17501	300	5000	6	13	1	0	0
***. hxol2e	G	0	100.16704	300	5000	6	12	1	0	0
***. hxol3e	G	0	100.16704	300	5000	6	12	1	0	0
***. hxol4e	G	0	100.16704	300	5000	6	12	1	0	0
***. hxol5e	G	0	100.16704	300	5000	6	12	1	0	0
***. hxol4e6j	G	0	99.15907	300	5000	6	11	1	0	0
***. hxol3e5j	G	0	99.15907	300	5000	6	11	1	0	0
***. hxol2e4j	G	0	99.15907	300	5000	6	11	1	0	0
***. hxol5e1j	G	0	99.15907	300	5000	6	11	1	0	0
***. hxol4e1j	G	0	99.15907	300	5000	6	11	1	0	0
***. hxol3e1j	G	0	99.15907	300	5000	6	11	1	0	0
***. hxol2e1j	G	0	99.15907	300	5000	6	11	1	0	0

***. c5h9hco-1	G	0	98.15110	300	5000	6	10	1	0	0
***. c5h9hco-2	G	0	98.15110	300	5000	6	10	1	0	0
***. c5h9hco-3	G	0	98.15110	300	5000	6	10	1	0	0
***. c5h9co-1	G	0	97.14313	300	5000	6	9	1	0	0
***. c5h9co-2	G	0	97.14313	300	5000	6	9	1	0	0
***. c5h9co-3	G	0	97.14313	300	5000	6	9	1	0	0
***. Ec5h9-2	G	0	69.13173	300	5000	5	9	0	0	0
***. pelol5j	G	0	87.14707	300	5000	5	11	1	0	0
***. pelol4j	G	0	87.14707	300	5000	5	11	1	0	0
***. pelol3j	G	0	87.14707	300	5000	5	11	1	0	0
***. pelol2j	G	0	87.14707	300	5000	5	11	1	0	0
***. pelol1j	G	0	87.14707	300	5000	5	11	1	0	0
***. pelol4e	G	0	86.13910	300	5000	5	10	1	0	0
***. peljol4e	G	0	85.13113	300	5000	5	9	1	0	0
***. pelol2e4e	G	0	84.12316	300	5000	5	8	1	0	0
***. peljol2e4e	G	0	83.11519	300	5000	5	7	1	0	0
***. pelol3e5j	G	0	85.13113	300	5000	5	9	1	0	0
***. blol	G	0	74.12710	300	5000	4	10	1	0	0
***. c4h9o	G	0	73.11913	300	5000	4	9	1	0	0
***. blol1j	G	0	73.11913	300	5000	4	9	1	0	0
***. blol2j	G	0	73.11913	300	5000	4	9	1	0	0
***. blol3j	G	0	73.11913	300	5000	4	9	1	0	0
***. blol4j	G	0	73.11913	300	5000	4	9	1	0	0
***. bl*o4ol	G	0	88.11056	300	5000	4	8	2	0	0
***. blj*o4ol	G	0	87.10259	300	5000	4	7	2	0	0
***. blol2e4j	G	0	71.10319	300	5000	4	7	1	0	0
***. blol3e	G	0	72.11116	300	5000	4	8	1	0	0
***. bljol3e	G	0	71.10319	300	5000	4	7	1	0	0
***. ch2ch2ch2oh	G	0	59.09119	300	5000	3	7	1	0	0
***. hoc2h4hco	G	0	74.08262	300	5000	3	6	2	0	0
***. hoc2h4co	G	0	73.07465	300	5000	3	5	2	0	0
***. c2h3ch2oh	G	0	58.08322	300	5000	3	6	1	0	0
***. c2h3choh	G	0	57.07525	300	5000	3	5	1	0	0
***. hoch2hco	G	0	60.05468	300	5000	2	4	2	0	0
***. hoch2co	G	0	59.04671	300	5000	2	3	2	0	0
***. c4h5hco	G	0	82.10722	300	5000	5	6	1	0	0
***. c4h5co	G	0	81.09925	300	5000	5	5	1	0	0
***. nc3h7o2	G	0	75.09059	300	5000	3	7	2	0	0
***. nc3h7o2h	G	0	76.09856	300	5000	3	8	2	0	0
***. ic3h7o2	G	0	75.09059	300	5000	3	7	2	0	0
***. ic3h7o2h	G	0	76.09856	300	5000	3	8	2	0	0
***. c3h6ooh1-2	G	0	75.09059	300	5000	3	7	2	0	0
***. c3h6ooh1-3	G	0	75.09059	300	5000	3	7	2	0	0
***. c3h6ooh2-1	G	0	75.09059	300	5000	3	7	2	0	0
***. c3h6ooh1-1	G	0	75.09059	300	5000	3	7	2	0	0
***. c3h6ooh1-2o2	G	0	107.08939	300	5000	3	7	4	0	0
***. c3h6ooh1-3o2	G	0	107.08939	300	5000	3	7	4	0	0
***. c3h6ooh2-1o2	G	0	107.08939	300	5000	3	7	4	0	0
***. c3h6ooh1-1o2	G	0	107.08939	300	5000	3	7	4	0	0
***. c3ket12	G	0	90.08202	300	5000	3	6	3	0	0
***. c3ket13	G	0	90.08202	300	5000	3	6	3	0	0
***. c3ket21	G	0	90.08202	300	5000	3	6	3	0	0
***. c4h9qjA	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h9qjB	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h8rAqA	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h8rBqA	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h8rCqA	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h8rDqA	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h8rAqB	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h8rCqB	G	0	89.11853	300	5000	4	9	2	0	0
***. c4h8rDqB	G	0	89.11853	300	5000	4	9	2	0	0



***. c4h8qjAqA	G	0	121.11733	300	5000	4	9	4	0	0
***. c4h8qjBqA	G	0	121.11733	300	5000	4	9	4	0	0
***. c4h8qjCqA	G	0	121.11733	300	5000	4	9	4	0	0
***. c4h8qjDqA	G	0	121.11733	300	5000	4	9	4	0	0
***. c4h8qjAqB	G	0	121.11733	300	5000	4	9	4	0	0
***. c4h8qjCqB	G	0	121.11733	300	5000	4	9	4	0	0
***. c4h8qjDqB	G	0	121.11733	300	5000	4	9	4	0	0
***. c4h8o#3	G	0	72.11116	300	5000	4	8	1	0	0
***. c4h8o#4	G	0	72.11116	300	5000	4	8	1	0	0
***. c4h8o#5	G	0	72.11116	200	5000	4	8	1	0	0
***. c4h7oAqB	G	0	104.10996	300	5000	4	8	3	0	0
***. c4h7oAqC	G	0	104.10996	300	5000	4	8	3	0	0
***. c4h7oAqD	G	0	104.10996	300	5000	4	8	3	0	0
***. c4h7oBqA	G	0	104.10996	300	5000	4	8	3	0	0
***. c4h7oBqC	G	0	104.10996	300	5000	4	8	3	0	0
***. c4h7oBqD	G	0	104.10996	300	5000	4	8	3	0	0
***. nc4h9o2h	G	0	90.12650	300	5000	4	10	2	0	0
***. c4h7o2h	G	0	88.11056	300	5000	4	8	2	0	0
***. c5h11qjA	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h11qjB	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h11qjC	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rAqA	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rBqA	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rCqA	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rDqA	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rEqA	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rAqB	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rBqB	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rCqB	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rDqB	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rEqB	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rAqC	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10rBqC	G	0	103.14647	300	5000	5	11	2	0	0
***. c5h10qjAqA	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjBqA	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjCqA	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjDqA	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjEqA	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjAqB	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjBqB	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjCqB	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjDqB	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjEqB	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjAqC	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h10qjBqC	G	0	135.14527	300	5000	5	11	4	0	0
***. c5h9oAqA	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oAqB	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oAqC	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oAqD	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oAqE	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oBqA	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oBqC	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oBqD	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oBqE	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oCqA	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h9oCqB	G	0	118.13790	300	5000	5	10	3	0	0
***. c5h10o-AB	G	0	86.13910	300	5000	5	10	1	0	0
***. c5h10o-BC	G	0	86.13910	300	5000	5	10	1	0	0
***. c5h10o-AC	G	0	86.13910	300	5000	5	10	1	0	0
***. c5h10o-BD	G	0	86.13910	300	5000	5	10	1	0	0
***. c5h10o-AD	G	0	86.13910	300	5000	5	10	1	0	0

***. c5h10o-AE	G	0	86.13910	300	5000	5	10	1	0	0
***. nc5h11o2h	G	0	104.15444	300	5000	5	12	2	0	0
***. nc3h7coch2	G	0	85.13113	300	5000	5	9	1	0	0
***. nc3h7coch2o2	G	0	117.12993	300	5000	5	9	3	0	0
***. nc3h7coch2o2h	G	0	118.13790	300	5000	5	10	3	0	0
***. nc3h7coch2o	G	0	101.13053	300	5000	5	9	2	0	0
***. c3h6coch3-1	G	0	85.13113	300	5000	5	9	1	0	0
***. c3h6coch3-2	G	0	85.13113	300	5000	5	9	1	0	0
***. c3h6coch3-3	G	0	85.13113	300	5000	5	9	1	0	0
***. c2h5coc2h5	G	0	86.13910	300	5000	5	10	1	0	0
***. c2h5coc2h4p	G	0	85.13113	300	5000	5	9	1	0	0
***. c2h5coc2h4o2	G	0	117.12993	300	5000	5	9	3	0	0
***. c2h5coc2h4o2h	G	0	118.13790	300	5000	5	10	3	0	0
***. c2h5coc2h4o	G	0	101.13053	300	5000	5	9	2	0	0
***. c2h5coc2h4s	G	0	85.13113	300	5000	5	9	1	0	0
***. pc2h4coc2h3	G	0	83.11519	300	5000	5	7	1	0	0
***. sc2h4coc2h3	G	0	83.11519	300	5000	5	7	1	0	0
***. divinket	G	0	82.10722	300	5000	5	6	1	0	0
***. c6h13qjA	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h13qjB	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h13qjC	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h13qA	G	0	118.18238	300	5000	6	14	2	0	0
***. c6h13qB	G	0	118.18238	300	5000	6	14	2	0	0
***. c6h13qC	G	0	118.18238	300	5000	6	14	2	0	0
***. c6h13ojA	G	0	101.17501	300	5000	6	13	1	0	0
***. c6h13ojB	G	0	101.17501	300	5000	6	13	1	0	0
***. c6h13ojC	G	0	101.17501	300	5000	6	13	1	0	0
***. c6h12rBqA	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rCqA	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rDqA	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rEqA	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rAqB	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rCqB	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rDqB	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rEqB	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rFqB	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rAqC	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rBqC	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rDqC	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rEqC	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12rFqC	G	0	117.17441	300	5000	6	13	2	0	0
***. c6h12qjBqA	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjCqA	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjDqA	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjEqA	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjAqB	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjCqB	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjDqB	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjEqB	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjFqB	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjAqC	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjBqC	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjDqC	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjEqC	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h12qjFqC	G	0	149.17321	300	5000	6	13	4	0	0
***. c6h11oAqB	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oAqC	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oAqD	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oAqE	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oBqA	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oBqC	G	0	132.16584	300	5000	6	12	3	0	0

***. c6h11oBqD	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oBqE	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oBqF	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oCqA	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oCqB	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oCqD	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oCqE	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h11oCqF	G	0	132.16584	300	5000	6	12	3	0	0
***. c6h12o-AB	G	0	100.16704	300	5000	6	12	1	0	0
***. c6h12o-BC	G	0	100.16704	300	5000	6	12	1	0	0
***. c6h12o-CD	G	0	100.16704	300	5000	6	12	1	0	0
***. c6h12o-AC	G	0	100.16704	300	5000	6	12	1	0	0
***. c6h12o-BD	G	0	100.16704	300	5000	6	12	1	0	0
***. c6h12o-AD	G	0	100.16704	300	5000	6	12	1	0	0
***. c6h12o-BE	G	0	100.16704	300	5000	6	12	1	0	0
***. c6h12o-AE	G	0	100.16704	300	5000	6	12	1	0	0
***. hexanone	G	0	100.16704	300	5000	6	12	1	0	0
***. c7h15qjA	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h15qjB	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h15qjC	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h15qjD	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rBqA	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rCqA	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rDqA	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rEqA	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rAqB	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rCqB	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rDqB	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rEqB	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rFqB	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rAqC	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rBqC	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rDqC	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rEqC	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rFqC	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rGqC	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rAqD	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rBqD	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14rCqD	G	0	131.20235	300	5000	7	15	2	0	0
***. c7h14qjBqA	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjCqA	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjDqA	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjEqA	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjAqB	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjCqB	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjDqB	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjEqB	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjFqB	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjAqC	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjBqC	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjDqC	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjEqC	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjFqC	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjGqC	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjAqD	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjBqD	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14qjCqD	G	0	163.20115	300	5000	7	15	4	0	0
***. c7h14o-AB	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-BC	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-CD	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-AC	G	0	114.19498	300	5000	7	14	1	0	0

***. c7h14o-BD	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-CE	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-AD	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-BE	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-AE	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h14o-BF	G	0	114.19498	300	5000	7	14	1	0	0
***. c7h15qA	G	0	132.21032	300	5000	7	16	2	0	0
***. c7h15qB	G	0	132.21032	300	5000	7	16	2	0	0
***. c7h15qC	G	0	132.21032	300	5000	7	16	2	0	0
***. c7h15qD	G	0	132.21032	300	5000	7	16	2	0	0
***. c7h15ojA	G	0	115.20295	300	5000	7	15	1	0	0
***. c7h15ojB	G	0	115.20295	300	5000	7	15	1	0	0
***. c7h15ojC	G	0	115.20295	300	5000	7	15	1	0	0
***. c7h15ojD	G	0	115.20295	300	5000	7	15	1	0	0
***. c7h13oAqB	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oAqC	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oAqD	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oAqE	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oBqA	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oBqC	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oBqD	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oBqE	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oBqF	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oCqA	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oCqB	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oCqD	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oCqE	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oCqF	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oCqG	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oDqA	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oDqB	G	0	146.19378	300	5000	7	14	3	0	0
***. c7h13oDqC	G	0	146.19378	300	5000	7	14	3	0	0
***. heptanone	G	0	114.19498	300	5000	7	14	1	0	0
***. c6h11hco	G	0	112.17904	300	5000	7	12	1	0	0
***. c6h11co	G	0	111.17107	300	5000	7	11	1	0	0
***. c8h17qjA	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h17qjB	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h17qjC	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h17qjD	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rBqA	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rCqA	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rDqA	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rEqA	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rAqB	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rCqB	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rDqB	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rEqB	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rFqB	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rAqC	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rBqC	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rDqC	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rEqC	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rFqC	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rGqC	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rAqD	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rBqD	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rCqD	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rEqD	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rFqD	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rGqD	G	0	145.23029	300	5000	8	17	2	0	0
***. c8h16rHqD	G	0	145.23029	300	5000	8	17	2	0	0





***. c9h17oAqB	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oAqC	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oAqD	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oAqE	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oBqA	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oBqC	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oBqD	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oBqE	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oBqF	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oCqA	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oCqB	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oCqD	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oCqE	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oCqF	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oCqG	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oDqA	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oDqB	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oDqC	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oDqE	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oDqF	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oDqG	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oDqH	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oEqA	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oEqB	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oEqC	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h17oEqD	G	0	174.24966	300	5000	9	18	3	0	0
***. c9h18o-AB	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-BC	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-CD	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-DE	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-AC	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-BD	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-CE	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-DF	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-AD	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-BE	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-CF	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-AE	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-BF	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h18o-CG	G	0	142.25086	300	5000	9	18	1	0	0
***. c9h19qA	G	0	160.26620	300	5000	9	20	2	0	0
***. c9h19qB	G	0	160.26620	300	5000	9	20	2	0	0
***. c9h19qC	G	0	160.26620	300	5000	9	20	2	0	0
***. c9h19qD	G	0	160.26620	300	5000	9	20	2	0	0
***. c9h19qE	G	0	160.26620	300	5000	9	20	2	0	0
***. c9h19ojA	G	0	143.25883	300	5000	9	19	1	0	0
***. c9h19ojB	G	0	143.25883	300	5000	9	19	1	0	0
***. c9h19ojC	G	0	143.25883	300	5000	9	19	1	0	0
***. c9h19ojD	G	0	143.25883	300	5000	9	19	1	0	0
***. c9h19ojE	G	0	143.25883	300	5000	9	19	1	0	0
***. nonanone	G	0	142.25086	300	5000	9	18	1	0	0
***. c10h21qjA	G	0	173.28617	300	5000	10	21	2	0	0
***. c10h21qjB	G	0	173.28617	300	5000	10	21	2	0	0
***. c10h21qjC	G	0	173.28617	300	5000	10	21	2	0	0
***. c10h21qjD	G	0	173.28617	300	5000	10	21	2	0	0
***. c10h21qjE	G	0	173.28617	300	5000	10	21	2	0	0
***. c10h21qA	G	0	174.29414	300	5000	10	22	2	0	0
***. c10h21qB	G	0	174.29414	300	5000	10	22	2	0	0
***. c10h21qC	G	0	174.29414	300	5000	10	22	2	0	0
***. c10h21qD	G	0	174.29414	300	5000	10	22	2	0	0
***. c10h21qE	G	0	174.29414	300	5000	10	22	2	0	0





***. c10h20qjFqE	G	0	205.28497	300	5000	10	21	4	0	0
***. c10h20qjGqE	G	0	205.28497	300	5000	10	21	4	0	0
***. c10h20qjHqE	G	0	205.28497	300	5000	10	21	4	0	0
***. c10h20qjIqE	G	0	205.28497	300	5000	10	21	4	0	0
***. c10h19oAqB	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oAqC	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oAqD	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oAqE	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oBqA	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oBqC	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oBqD	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oBqE	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oBqF	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oCqA	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oCqB	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oCqD	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oCqE	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oCqF	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oCqG	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oDqA	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oDqB	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oDqC	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oDqE	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oDqF	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oDqG	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oDqH	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqA	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqB	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqC	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqD	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqF	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqG	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqH	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h19oEqI	G	0	188.27760	300	5000	10	20	3	0	0
***. c10h20o-AB	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-BC	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-CD	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-DE	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-EF	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-AC	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-BD	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-CE	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-DF	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-AD	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-BE	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-CF	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-DG	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-AE	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-BF	G	0	156.27880	300	5000	10	20	1	0	0
***. c10h20o-CG	G	0	156.27880	300	5000	10	20	1	0	0
***. Fc10h19oB	G	0	155.27083	300	5000	10	19	1	0	0
***. Gc10h19oC	G	0	155.27083	300	5000	10	19	1	0	0
***. c9h19hco	G	0	156.27880	300	5000	10	20	1	0	0
***. c9h19co	G	0	155.27083	300	5000	10	19	1	0	0
***. choch2ch2cho	G	0	86.09462	300	5000	4	6	2	0	0
***. choch2ch2co	G	0	85.08665	300	5000	4	5	2	0	0
***. nc4h9coch2	G	0	99.15907	300	5000	6	11	1	0	0
***. nc4h9coch2o2	G	0	131.15787	300	5000	6	11	3	0	0
***. nc4h9coch2o2h	G	0	132.16584	300	5000	6	12	3	0	0
***. nc4h9coch2o	G	0	115.15847	300	5000	6	11	2	0	0
***. nc5h11coch2	G	0	113.18701	300	5000	7	13	1	0	0

***. nc5h11coch2o2	G	0	145.18581	300	5000	7	13	3	0	0
***. nc5h11coch2o2h	G	0	146.19378	300	5000	7	14	3	0	0
***. nc5h11coch2o	G	0	129.18641	300	5000	7	13	2	0	0
***. nc6h13coch2	G	0	127.21495	300	5000	8	15	1	0	0
***. nc6h13coch2o2	G	0	159.21375	300	5000	8	15	3	0	0
***. nc6h13coch2o2h	G	0	160.22172	300	5000	8	16	3	0	0
***. nc6h13coch2o	G	0	143.21435	300	5000	8	15	2	0	0
***. nc7h15coch2	G	0	141.24289	300	5000	9	17	1	0	0
***. nc7h15coch2o2	G	0	173.24169	300	5000	9	17	3	0	0
***. nc7h15coch2o2h	G	0	174.24966	300	5000	9	18	3	0	0
***. nc7h15coch2o	G	0	157.24229	300	5000	9	17	2	0	0
***. nc3h7coc2h4p	G	0	99.15907	300	5000	6	11	1	0	0
***. nc3h7coc2h4o2	G	0	131.15787	300	5000	6	11	3	0	0
***. nc3h7coc2h4o2h	G	0	132.16584	300	5000	6	12	3	0	0
***. nc3h7coc2h4o	G	0	115.15847	300	5000	6	11	2	0	0
***. nc4h9coc2h4p	G	0	113.18701	300	5000	7	13	1	0	0
***. nc4h9coc2h4o2	G	0	145.18581	300	5000	7	13	3	0	0
***. nc4h9coc2h4o2h	G	0	146.19378	300	5000	7	14	3	0	0
***. nc4h9coc2h4o	G	0	129.18641	300	5000	7	13	2	0	0
***. nc5h11coc2h4p	G	0	127.21495	300	5000	8	15	1	0	0
***. nc5h11coc2h4o2	G	0	159.21375	300	5000	8	15	3	0	0
***. nc5h11coc2h4o2h	G	0	160.22172	300	5000	8	16	3	0	0
***. nc5h11coc2h4o	G	0	143.21435	300	5000	8	15	2	0	0
***. nc6h13coc2h4p	G	0	141.24289	300	5000	9	17	1	0	0
***. nc6h13coc2h4o2	G	0	173.24169	300	5000	9	17	3	0	0
***. nc6h13coc2h4o2h	G	0	174.24966	300	5000	9	18	3	0	0
***. nc6h13coc2h4o	G	0	157.24229	300	5000	9	17	2	0	0
***. nc5h11coc3h6-1	G	0	141.24289	300	5000	9	17	1	0	0
***. nc5h11coc3h6o2-1	G	0	173.24169	300	5000	9	17	3	0	0
***. npecoc3h6o2h-1	G	0	174.24966	300	5000	9	18	3	0	0
***. nc5h11coc3h6o-1	G	0	157.24229	300	5000	9	17	2	0	0
***. nc4h9coc3h6-1	G	0	127.21495	300	5000	8	15	1	0	0
***. nc4h9coc3h6o2-1	G	0	159.21375	300	5000	8	15	3	0	0
***. nc4h9coc3h6o2h-1	G	0	160.22172	300	5000	8	16	3	0	0
***. nc4h9coc3h6o-1	G	0	143.21435	300	5000	8	15	2	0	0
***. nc3h7coc3h6-1	G	0	113.18701	300	5000	7	13	1	0	0
***. nc3h7coc3h6o2-1	G	0	145.18581	300	5000	7	13	3	0	0
***. nc3h7coc3h6o2h-1	G	0	146.19378	300	5000	7	14	3	0	0
***. nc3h7coc3h6o-1	G	0	129.18641	300	5000	7	13	2	0	0
***. c2h5coc3h6-1	G	0	99.15907	300	5000	6	11	1	0	0
***. c2h5coc3h6o2-1	G	0	131.15787	300	5000	6	11	3	0	0
***. c2h5coc3h6o2h-1	G	0	132.16584	300	5000	6	12	3	0	0
***. c2h5coc3h6o-1	G	0	115.15847	300	5000	6	11	2	0	0
***. ch3coc5h9-1	G	0	112.17904	300	5000	7	12	1	0	0
***. ch2coc5h9-1	G	0	111.17107	300	5000	7	11	1	0	0
***. ch3coc5h8-13	G	0	111.17107	300	5000	7	11	1	0	0
***. ch3coc5h8-15	G	0	111.17107	300	5000	7	11	1	0	0
***. c2h5coc5h9-1	G	0	126.20698	300	5000	8	14	1	0	0
***. sc2h4coc5h9-1	G	0	125.19901	300	5000	8	13	1	0	0
***. c2h5coc5h8-13	G	0	125.19901	300	5000	8	13	1	0	0
***. c2h5coc5h8-15	G	0	125.19901	300	5000	8	13	1	0	0
***. c2h3coc3h7	G	0	98.15110	300	5000	6	10	1	0	0
***. c2h3coc3h6-3	G	0	97.14313	300	5000	6	9	1	0	0
***. c2h3coc3h6-2	G	0	97.14313	300	5000	6	9	1	0	0
***. c2h3coc4h9	G	0	112.17904	300	5000	7	12	1	0	0
***. c2h3coc4h8-4	G	0	111.17107	300	5000	7	11	1	0	0
***. c2h3coc4h8-3	G	0	111.17107	300	5000	7	11	1	0	0
***. c2h3coc5h11	G	0	126.20698	300	5000	8	14	1	0	0
***. c2h3coc5h10-5	G	0	125.19901	300	5000	8	13	1	0	0
***. c2h3coc5h10-4	G	0	125.19901	300	5000	8	13	1	0	0
***. c2h3coc6h13	G	0	140.23492	300	5000	9	16	1	0	0

***. c2h3coc6h12-6	G	0	139.22695	300	5000	9	15	1	0	0
***. c2h3coc6h12-5	G	0	139.22695	300	5000	9	15	1	0	0
***. chxqjA	G	0	115.15847	300	5000	6	11	2	0	0
***. chxqArC	G	0	115.15847	300	5000	6	11	2	0	0
***. chxo-AC	G	0	98.15110	300	5000	6	10	1	0	0
***. chxqAqjC	G	0	147.15727	300	5000	6	11	4	0	0
***. chxqAqCrE	G	0	147.15727	300	5000	6	11	4	0	0
***. c6e5oAqC	G	0	130.14990	300	5000	6	10	3	0	0
***. c6e5oAojC	G	0	113.14253	300	5000	6	9	2	0	0
***. echoA	G	0	126.20698	300	5000	8	14	1	0	0
***. echA	G	0	111.21555	300	5000	8	15	0	0	0
***. hxol1o2	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol2o2	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol3o2	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol4o2	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol5o2	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol6o2	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol1o2h	G	0	134.18178	300	5000	6	14	3	0	0
***. hxol2o2h	G	0	134.18178	300	5000	6	14	3	0	0
***. hxol3o2h	G	0	134.18178	300	5000	6	14	3	0	0
***. hxol4o2h	G	0	134.18178	300	5000	6	14	3	0	0
***. hxol5o2h	G	0	134.18178	300	5000	6	14	3	0	0
***. hxol6o2h	G	0	134.18178	300	5000	6	14	3	0	0
***. hxol1o	G	0	117.17441	300	5000	6	13	2	0	0
***. hxol2o	G	0	117.17441	300	5000	6	13	2	0	0
***. hxol3o	G	0	117.17441	300	5000	6	13	2	0	0
***. hxol4o	G	0	117.17441	300	5000	6	13	2	0	0
***. hxol5o	G	0	117.17441	300	5000	6	13	2	0	0
***. hxol6o	G	0	117.17441	300	5000	6	13	2	0	0
***. hxol2j1o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol3j1o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol4j1o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol1j2o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol3j2o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol4j2o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol5j2o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol1j3o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol2j3o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol4j3o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol5j3o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol6j3o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol1j4o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol2j4o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol3j4o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol5j4o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol6j4o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol2j5o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol3j5o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol4j5o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol6j5o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol3j6o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol4j6o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxol5j6o2h	G	0	133.17381	300	5000	6	13	3	0	0
***. hxolcy2o1	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy3o1	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy4o1	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy3o2	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy4o2	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy5o2	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy4o3	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy5o3	G	0	116.16644	300	5000	6	12	2	0	0

***. hxolcy6o3	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy5o4	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy6o4	G	0	116.16644	300	5000	6	12	2	0	0
***. hxolcy6o5	G	0	116.16644	300	5000	6	12	2	0	0
***. hxol1o2h2o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol1o2h3o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol1o2h4o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol2o2h1o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol2o2h3o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol2o2h4o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol2o2h5o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol3o2h1o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol3o2h2o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol3o2h4o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol3o2h5o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol3o2h6o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol4o2h1o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol4o2h2o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol4o2h3o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol4o2h5o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol4o2h6o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol5o2h2o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol5o2h3o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol5o2h4o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol5o2h6o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol6o2h3o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol6o2h4o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol6o2h5o2	G	0	165.17261	300	5000	6	13	5	0	0
***. hxol1*o2o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol1*o3o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol1*o4o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol2*o1o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol2*o3o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol2*o4o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol2*o5o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol3*o1o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol3*o2o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol3*o4o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol3*o5o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol3*o6o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol4*o1o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol4*o2o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol4*o3o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol4*o5o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol4*o6o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol5*o2o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol5*o3o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol5*o4o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol5*o6o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol6*o3o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol6*o4o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. hxol6*o5o2h	G	0	148.16524	300	5000	6	12	4	0	0
***. ch2cooh	G	0	59.04671	300	5000	2	3	2	0	0
***. ch2ch2cooh	G	0	73.07465	300	5000	3	5	2	0	0
***. c2h3cooh	G	0	72.06668	300	5000	3	4	2	0	0
***. c2h3coch2oh	G	0	86.09462	300	5000	4	6	2	0	0
***. c2h3cochoh	G	0	85.08665	300	5000	4	5	2	0	0
***. c3h7coc2h3	G	0	98.15110	300	5000	6	10	1	0	0
***. c3h6coc2h3-1	G	0	97.14313	300	5000	6	9	1	0	0
***. c3h6coc2h3-2	G	0	97.14313	300	5000	6	9	1	0	0
***. c3h6coc2h3-3	G	0	97.14313	300	5000	6	9	1	0	0

***. c2h5coc3h5-1	G	0	98.15110	300	5000	6	10	1	0	0
***. c2h5coc3h4	G	0	97.14313	300	5000	6	9	1	0	0
***. pel*o5ol	G	0	102.13850	300	5000	5	10	2	0	0
***. pelj*o5ol	G	0	101.13053	300	5000	5	9	2	0	0
***. pelol3*o4e	G	0	100.12256	300	5000	5	8	2	0	0
***. hoco	G	0	45.01877	200	6000	1	1	2	0	0
***. pelol3*o4e2j	G	0	99.11459	300	5000	5	7	2	0	0
***. peljol3*o4e	G	0	99.11459	300	5000	5	7	2	0	0
***. c2h3coch2hco	G	0	98.10662	300	5000	5	6	2	0	0
***. c2h3coch2co	G	0	97.09865	300	5000	5	5	2	0	0
***. c2h3cohco	G	0	84.07868	300	5000	4	4	2	0	0
***. c2h3coco	G	0	83.07071	300	5000	4	3	2	0	0
***. c4h9cohco	G	0	114.15050	300	5000	6	10	2	0	0
***. c4h9coco	G	0	113.14253	300	5000	6	9	2	0	0
***. Ceche1	G	0	109.19961	300	5000	8	13	0	0	0
***. echoyA	G	0	125.19901	300	5000	8	13	1	0	0
***. echoAoD	G	0	140.19044	300	5000	8	12	2	0	0
***. echoyAoD	G	0	139.18247	300	5000	8	11	2	0	0
***. Aeche1	G	0	109.19961	300	5000	8	13	0	0	0
***. eche2oA	G	0	124.19104	300	5000	8	12	1	0	0
***. vinacrol	G	0	82.10722	300	5000	5	6	1	0	0
***. Mec8oor	G	0	155.22635	300	5000	9	15	2	0	0
***. AechoD	G	0	125.19901	300	5000	8	13	1	0	0

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REACTIONS CONSIDERED		(k = A T**b exp(-E/RT))		
		A	b	E
1.	c2h3+o2=ch2hco+o	1.18E+17	-1.4	5580.0
2.	c2h3+o2=ch2o+hco	9.27E+25	-4.0	7043.0
3.	c2h3+o2=chocho+h	7.78E+20	-2.9	5541.0
4.	c2h3+o2=c2h2+ho2	3.25E+19	-2.3	7932.0
5.	ch3+oh=ch2oh+h	1.99E+19	-1.7	11157.0
6.	ch3+oh=ch3o+h	9.95E+14	-0.8	16872.0
7.	ch3+oh=sch2+h2o	6.37E+18	-1.7	11141.0
8.	ch3+oh=ch2o+h2	7.39E+14	-1.1	14551.0
9.	c3h3+c3h3=c6h5+h	3.67E+26	-3.9	28960.0
10.	c3h3+c3h3=c6h6	3.89E+50	-11.0	20320.0
11.	c3h3+c3h3=fulvene	1.07E+61	-14.0	28084.0
	Declared duplicate reaction...			
12.	c3h3+c3h3=fulvene	3.20E+28	-5.0	4517.0
	Declared duplicate reaction...			
13.	c3h3+c3h3=fulvene	5.62E+60	-13.9	27093.0
	Declared duplicate reaction...			
14.	c3h3+c3h3=fulvene	7.98E+29	-5.5	4665.0
	Declared duplicate reaction...			
15.	fulvene=c6h6	2.95E+31	-5.0	88465.0
16.	fulvene=c6h5+h	8.51E+24	-2.5	113330.0
17.	nc4h5+c2h2=c6h6+h	1.69E+16	-1.0	8968.0
18.	nc4h5+c2h2=fulvene+h	1.74E+19	-1.9	12384.0
19.	ic4h5+c2h2=c6h6+h	8.25E+24	-3.8	26565.0
20.	ic4h5+c2h2=fulvene+h	9.74E+26	-3.8	21329.0
21.	h+h+m=h2+m	1.00E+18	-1.0	0.0
	h2o	Enhanced by	1.625E+01	
	co	Enhanced by	1.875E+00	
	co2	Enhanced by	3.750E+00	
	ch4	Enhanced by	1.625E+01	
	c2h6	Enhanced by	1.625E+01	
	h2	Enhanced by	2.500E+00	

	ar	Enhanced by	7.500E-01			
22.	h+o2=oh+o			1.90E+14	0.0	16812.0
23.	h+o2+m=ho2+m			8.00E+17	-0.8	0.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	4.000E-01			
24.	h+oh+m=h2o+m			3.00E+22	-2.0	0.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
25.	h2+o2=oh+oh			1.70E+13	0.0	47780.0
26.	o+h2=oh+h			1.30E+04	2.8	5922.0
27.	h2+oh=h2o+h			2.16E+08	1.5	3430.0
28.	o+o+m=o2+m			1.14E+17	-1.0	0.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
29.	o+h+m=oh+m			6.20E+16	-0.6	0.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
30.	h2o+o=oh+oh			1.50E+10	1.1	17260.0
31.	oh+oh(+m)=h2o2(+m)			7.22E+13	-0.4	0.0
	Low pressure limit:	0.22110E+20	-0.76000E+00	0.00000E+00		
	TROE centering:	0.50000E+00	0.10000E+09	0.10000E-05		
32.	ho2+oh=h2o+o2			1.45E+13	0.0	-497.0
33.	ho2+o=oh+o2			2.44E+13	0.0	-446.0
34.	h+ho2=h2+o2			2.14E+13	0.0	1411.0
35.	h+ho2=oh+oh			8.40E+13	0.0	875.0
36.	h+ho2=h2o+o			3.01E+13	0.0	1721.0
37.	ho2+ho2=h2o2+o2			4.20E+14	0.0	11982.0
	Declared duplicate reaction...					
38.	ho2+ho2=h2o2+o2			1.30E+11	0.0	-1630.0
	Declared duplicate reaction...					
39.	h2o2+oh=ho2+h2o			5.80E+14	0.0	9557.0
40.	h2o2+h=ho2+h2			1.70E+12	0.0	3750.0
41.	h2o2+h=h2o+oh			1.00E+13	0.0	3590.0
42.	h2o2+o=ho2+oh			2.80E+13	0.0	6400.0
43.	co+ho2=co2+oh			1.15E+05	2.3	17550.0
44.	co+oh=co2+h			4.40E+06	1.5	-740.0
45.	co+o+m=co2+m			2.83E+13	0.0	-4540.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			

	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
46.	co+o2=co2+o			2.53E+12	0.0	47700.0
47.	hco+m=h+co+m			2.30E+17	-1.0	17090.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
48.	hco+oh=co+h2o			1.00E+14	0.0	0.0
49.	hco+o=co+oh			3.00E+13	0.0	0.0
50.	hco+o=co2+h			3.00E+13	0.0	0.0
51.	hco+h=co+h2			7.22E+13	0.0	0.0
52.	hco+o2=co+ho2			7.58E+12	0.0	410.0
53.	hco+ch3=co+ch4			1.20E+14	0.0	0.0
54.	hco+ho2=co2+oh+h			3.00E+13	0.0	0.0
55.	hco+hco=ch2o+co			1.20E+13	0.0	0.0
56.	hco+hco=h2+co+co			3.00E+12	0.0	0.0
57.	hco+c2h6=ch2o+c2h5			4.70E+04	2.7	18235.0
58.	o2cho=hco+o2			7.77E+26	-4.0	44230.0
	Reverse Arrhenius coefficients:			1.20E+11	0.0	-1100.0
59.	ho2cho=ocho+oh			5.01E+14	0.0	40150.0
	Reverse Arrhenius coefficients:			2.32E+06	2.1	655.0
60.	ocho+m=h+co2+m			2.44E+15	-0.5	26500.0
	Reverse Arrhenius coefficients:			7.50E+13	0.0	29000.0
61.	hoch2o=hocho+h			1.00E+14	0.0	14900.0
	Reverse Arrhenius coefficients:			5.92E+11	0.6	12300.0
62.	hocho+m=co+h2o+m			2.30E+13	0.0	50000.0
	Reverse Arrhenius coefficients:			1.42E+10	0.5	46840.0
63.	hocho+m=co2+h2+m			1.50E+16	0.0	57000.0
	Reverse Arrhenius coefficients:			2.40E+14	0.5	61020.0
64.	hocho=hco+oh			4.59E+18	-0.5	108300.0
	Reverse Arrhenius coefficients:			1.00E+14	0.0	0.0
65.	ch2o+ocho=hco+hocho			5.60E+12	0.0	13600.0
	Reverse Arrhenius coefficients:			8.58E+11	0.0	26750.0
66.	ocho+ho2=hocho+o2			3.50E+10	0.0	-3275.0
	Reverse Arrhenius coefficients:			3.70E+12	-0.3	52690.0
67.	ocho+h2o2=hocho+ho2			2.40E+12	0.0	10000.0
	Reverse Arrhenius coefficients:			1.79E+11	0.4	24790.0
68.	hocho+oh=h2o+co2+h			2.62E+06	2.1	916.0
	Reverse Arrhenius coefficients:			0.00E+00	0.0	0.0
69.	hocho+oh=h2o+co+oh			1.85E+07	1.5	-962.0
	Reverse Arrhenius coefficients:			0.00E+00	0.0	0.0
70.	hocho+h=h2+co2+h			4.24E+06	2.1	4868.0
	Reverse Arrhenius coefficients:			0.00E+00	0.0	0.0
71.	hocho+h=h2+co+oh			6.03E+13	-0.3	2988.0
	Reverse Arrhenius coefficients:			0.00E+00	0.0	0.0
72.	hocho+ch3=ch4+co+oh			3.90E-07	5.8	2200.0
	Reverse Arrhenius coefficients:			0.00E+00	0.0	0.0
73.	hocho+ho2=h2o2+co+oh			1.00E+12	0.0	11920.0
	Reverse Arrhenius coefficients:			0.00E+00	0.0	0.0
74.	hocho+o=co+oh+oh			1.77E+18	-1.9	2975.0
	Reverse Arrhenius coefficients:			0.00E+00	0.0	0.0
75.	ch3+ho2=ch4+o2			1.00E+12	0.0	0.0
76.	ch4(+m)=ch3+h(+m)			2.40E+16	0.0	104913.0
	Low pressure limit:	0.45000E+18	0.00000E+00	0.90800E+05		
	TROE centering:	0.64000E+00	0.10000E-14	0.31950E+04	0.12126E+05	
77.	ch4+oh=ch3+h2o			1.60E+06	2.1	2462.0

78.	ch4+o=ch3+oh		1.62E+06	2.3	7094.0
79.	ch4+h=ch3+h2		2.25E+04	3.0	8756.6
80.	ch4+ch2=ch3+ch3		4.30E+12	0.0	10038.0
81.	ch3+m=ch2+h+m		1.90E+16	0.0	91600.0
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
	h2	Enhanced by	2.500E+00		
	ar	Enhanced by	7.500E-01		
82.	ch3+m=ch+h2+m		6.90E+14	0.0	82460.0
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
	h2	Enhanced by	2.500E+00		
	ar	Enhanced by	7.500E-01		
83.	ch3+ho2=ch3o+oh		5.00E+11	0.3	-687.6
84.	ch3+h2o2=ch4+ho2		6.10E+09	0.0	-596.0
85.	ch3+o=h+ch2o		8.43E+13	0.0	0.0
86.	ch3+o=>h+h2+co		3.37E+13	0.0	0.0
87.	ch3+o2=ch2o+oh		6.62E+11	0.0	14188.0
88.	ch3+o2=ch3o+o		6.60E+13	0.0	31398.0
89.	ch3+ch3=c2h5+h		3.01E+13	0.0	13513.0
90.	ch3+ch3(+m)=c2h6(+m)		9.21E+16	-1.2	635.8
	Low pressure limit:	0.11350E+37	-0.52460E+01	0.17050E+04	
	TROE centering:	0.40500E+00	0.11200E+04	0.69600E+02	0.10000E+16
91.	ch3+ch3o=ch4+ch2o		2.41E+13	0.0	0.0
92.	ch3+ch2oh=ch4+ch2o		2.41E+12	0.0	0.0
93.	ch3+o2(+m)=ch3o2(+m)		7.80E+08	1.2	0.0
	Low pressure limit:	0.58000E+26	-0.33000E+01	0.00000E+00	
	TROE centering:	0.66400E+00	0.10000E+06	0.10000E+02	
94.	ch3+h=ch2+h2		7.00E+13	0.0	15100.0
95.	ch3+oh=ch2+h2o		3.00E+06	2.0	2500.0
96.	ch2+oh=ch+h2o		1.13E+07	2.0	3000.0
97.	ch2+oh=ch2o+h		2.50E+13	0.0	0.0
98.	ch2+o=co+h+h		5.00E+13	0.0	0.0
99.	ch2+o=co+h2		6.00E+13	0.0	0.0
100.	ch2+h=ch+h2		3.50E+14	0.0	0.0
101.	ch2+o2=hco+oh		4.30E+10	0.0	-500.0
102.	ch2+o2=co2+h2		3.45E+11	0.0	1000.0
103.	ch2+o2=co2+h+h		1.60E+12	0.0	1000.0
104.	ch2+o2=co+h2o		1.87E+10	0.0	-1000.0
105.	ch2+o2=co+oh+h		8.64E+10	0.0	-500.0
106.	ch2+o2=ch2o+o		5.00E+13	0.0	9000.0
107.	ch2+co2=ch2o+co		1.10E+11	0.0	1000.0
108.	ch2+ch2=c2h2+h2		3.20E+13	0.0	0.0
109.	ch2+ch2=c2h2+h+h		4.00E+13	0.0	0.0
110.	ch2+ch3=c2h4+h		4.00E+13	0.0	0.0
111.	ch2+ch=c2h2+h		4.00E+13	0.0	0.0
112.	ch2+c2h2=h+c3h3		1.20E+13	0.0	6620.0
113.	ch2+c2h4=c3h6		4.30E+12	0.0	10038.0
114.	ch2+c2h6=ch3+c2h5		6.50E+12	0.0	7911.0
115.	sch2+m=ch2+m		1.00E+13	0.0	0.0
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		



	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
116.	sch2+o2=co+oh+h			3.00E+13	0.0	0.0
117.	sch2+h2=ch3+h			7.00E+13	0.0	0.0
118.	sch2+h=ch2+h			2.00E+14	0.0	0.0
119.	sch2+h=ch+h2			3.00E+13	0.0	0.0
120.	sch2+o=co+h+h			1.50E+13	0.0	0.0
121.	sch2+o=co+h2			1.50E+13	0.0	0.0
122.	sch2+oh=ch2o+h			3.00E+13	0.0	0.0
123.	sch2+ho2=ch2o+oh			3.00E+13	0.0	0.0
124.	sch2+h2o2=ch3o+oh			3.00E+13	0.0	0.0
125.	sch2+h2o(+m)=ch3oh(+m)			4.82E+17	-1.2	1145.0
	Low pressure limit:	0.18800E+39	-0.63600E+01	0.50400E+04		
	TROE centering:	0.60270E+00	0.20800E+03	0.39220E+04	0.10180E+05	
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
126.	sch2+ch2o=ch3+hco			1.20E+12	0.0	0.0
127.	sch2+hco=ch3+co			1.80E+13	0.0	0.0
128.	sch2+ch3=c2h4+h			1.80E+13	0.0	0.0
129.	sch2+ch4=ch3+ch3			4.00E+13	0.0	0.0
130.	sch2+c2h6=ch3+c2h5			1.20E+14	0.0	0.0
131.	sch2+c2h4=ac3h5+h			1.30E+14	0.0	0.0
132.	sch2+c2h2=c3h3+h			1.80E+14	0.0	0.0
133.	sch2+h2o=ch2+h2o			3.00E+13	0.0	0.0
134.	sch2+co2=ch2o+co			3.00E+12	0.0	0.0
135.	sch2+ch2co=c2h4+co			1.60E+14	0.0	0.0
136.	ch+oh=hco+h			3.00E+13	0.0	0.0
137.	ch+o=co+h			1.80E+14	0.0	0.0
138.	ch+o=C+oh			1.80E+14	0.0	0.0
139.	ch+o2=hco+o			1.00E+13	0.0	0.0
140.	ch+o2=co+oh			1.00E+13	0.0	0.0
141.	ch+co2=hco+co			3.40E+12	0.0	690.0
142.	ch+h2o=ch2o+h			1.71E+13	0.0	-755.0
143.	ch+ch4=c2h4+h			6.00E+13	0.0	0.0
144.	ch+ch3=c2h3+h			3.00E+13	0.0	0.0
145.	ch3+oh(+m)=ch3oh(+m)			5.65E+13	0.1	0.0
	Low pressure limit:	0.57500E+42	-0.74000E+01	0.62600E+03		
	TROE centering:	0.25000E-01	0.10000E-14	0.80000E+04	0.30000E+04	
	h2o	Enhanced by	1.600E+01			
	co	Enhanced by	2.000E+00			
	co2	Enhanced by	3.000E+00			
	h2	Enhanced by	2.000E+00			
	ar	Enhanced by	7.500E-01			
146.	ch3oh(+m)=ch2oh+h(+m)			2.69E+16	-0.1	98940.0
	Low pressure limit:	0.23400E+41	-0.63300E+01	0.10310E+06		
	TROE centering:	0.77300E+00	0.69300E+03	0.53330E+04	0.10000E-09	
147.	ch3oh+o2=ch2oh+ho2			2.05E+13	0.0	44910.0
148.	ch3oh+o2=ch3o+ho2			2.50E+12	0.0	55000.0
149.	ch3oh+ho2=ch2oh+h2o2			4.82E+10	0.0	12580.0
150.	ch3oh+oh=ch2oh+h2o			1.30E+13	0.0	5960.0
151.	ch3oh+oh=ch3o+h2o			1.30E+13	0.0	5960.0
152.	ch3oh+o=ch2oh+oh			1.63E+13	0.0	5030.0
153.	ch3oh+h=ch2oh+h2			3.20E+13	0.0	6095.0
154.	ch3oh+h=h2+ch3o			8.00E+12	0.0	6095.0
155.	ch3oh+h=ch3+h2o			1.70E+13	0.0	5311.0
156.	ch3oh+ch2o=ch3o+ch3o			1.55E+12	0.0	79570.0

157.	ch3oh+ch3=ch2oh+ch4		3.57E+11	0.0	8663.0
158.	ch3oh+ch3=ch3o+ch4		4.68E+05	2.3	12764.0
159.	ch2oh+m=ch2o+h+m		1.00E+14	0.0	25100.0
	h2o	Enhanced by	1.000E+00		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
	h2	Enhanced by	2.500E+00		
	ar	Enhanced by	7.500E-01		
160.	ch2oh+h=ch2o+h2		3.00E+13	0.0	0.0
161.	ch2oh+o2=ch2o+ho2		2.17E+14	0.0	4690.0
162.	ch2oh+o=ch2o+oh		4.20E+13	0.0	0.0
163.	ch2oh+ho2=ch2o+h2o2		1.20E+13	0.0	0.0
164.	ch2oh+hco=ch3oh+co		1.00E+13	0.0	0.0
165.	ch3o+m=ch2o+h+m		4.88E+15	0.0	22773.0
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
	h2	Enhanced by	2.500E+00		
	ar	Enhanced by	7.500E-01		
166.	ch3o+ho2=ch2o+h2o2		3.00E+11	0.0	0.0
167.	ch3o+oh=ch2o+h2o		1.00E+13	0.0	0.0
168.	ch3o+o=ch2o+oh		1.30E+13	0.0	0.0
169.	ch3o+h=ch2o+h2		2.00E+13	0.0	0.0
170.	ch3o+o2=ch2o+ho2		2.35E+10	0.0	1788.0
171.	ch3o+ch2o=ch3oh+hco		1.15E+11	0.0	1280.0
172.	ch3o+co=ch3+co2		1.57E+13	0.0	11804.0
173.	ch3o+hco=ch3oh+co		9.00E+13	0.0	0.0
174.	ch3o+c2h5=ch2o+c2h6		2.41E+13	0.0	0.0
175.	ch3o+c2h3=ch2o+c2h4		2.41E+13	0.0	0.0
176.	ch3o+c2h4=ch2o+c2h5		1.20E+11	0.0	7000.0
177.	ch3o2+ho2=ch3o2h+o2		2.29E+11	0.0	-1790.0
178.	ch3o2h+oh=ch3o2+h2o		1.15E+12	0.0	-380.0
179.	ch3o2h+o=oh+ch3o2		2.00E+13	0.0	4750.0
180.	ch3o2h+h=ch3o2+h2		8.80E+10	0.0	1860.0
181.	ch3o2h+h=ch3o+h2o		8.20E+10	0.0	1860.0
182.	ch2o+ch3o2=hco+ch3o2h		2.00E+12	0.0	11700.0
183.	ch3o2+ch4=ch3+ch3o2h		1.80E+11	0.0	18500.0
184.	ch3o2+ch3oh=ch2oh+ch3o2h		1.80E+12	0.0	13712.0
185.	ch3o2+ho2=ch2o+h2o+o2		1.80E+10	0.0	-1431.0
186.	ch3o2+ch3o2=ch2o+ch3oh+o2		1.05E+09	0.0	-3589.0
187.	ch3o2+ch3o2=ch3o+ch3o+o2		7.74E+10	0.0	-61.0
188.	ch3o2+c2h6=ch3o2h+c2h5		2.95E+11	0.0	15000.0
189.	ch3o2+ch3=ch3o+ch3o		1.00E+12	0.0	-1411.0
190.	ch3o2+oh=ch3oh+o2		6.00E+13	0.0	0.0
191.	ch3o2+h=ch3o+oh		9.60E+13	0.0	0.0
192.	ch3o2+h2o2=ch3o2h+ho2		2.41E+12	0.0	9936.0
193.	ch3o2+o=ch3o+o2		3.60E+13	0.0	0.0
194.	ch3o2+ch3o=ch3o2h+ch2o		3.00E+11	0.0	0.0
195.	ch3o2+ch2oh=ch2o+ch3o2h		1.20E+13	0.0	0.0
196.	ch3o2+c2h5o2=o2+ch3o+c2h5o		7.74E+10	0.0	-61.0
197.	ch3o2h(+m)=ch3o+oh(+m)		4.05E+19	-1.2	44255.0
	Low pressure limit:	0.40180E+43	-0.75020E+01	0.46761E+05	
	TROE centering:	0.83750E+00	0.36562E+05	0.49880E+03	0.99900E+04
198.	ch2o+oh=hco+h2o		1.72E+09	1.2	-447.0
199.	ch2o+ch3=hco+ch4		7.80E-08	6.1	1970.0
200.	ch2o+m=hco+h+m		5.85E+14	0.0	64200.0
	h2o	Enhanced by	1.625E+01		

	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
	h2	Enhanced by	2.500E+00			
	ar	Enhanced by	7.500E-01			
201.	ch2o+ho2=hco+h2o2			2.20E+06	2.0	12000.0
202.	ch2o+o=hco+oh			1.81E+13	0.0	3088.0
203.	ch2o+h=hco+h2			1.10E+08	1.8	3000.0
204.	ch2o+o2=hco+ho2			1.23E+06	3.0	52000.0
205.	ch2o+o2cho=hco+ho2cho			1.99E+12	0.0	11660.0
	Reverse Arrhenius coefficients:			2.33E+02	2.3	4687.0
206.	c2h6+ho2=c2h5+h2o2			8.00E+11	0.0	17600.0
207.	c2h6+oh=c2h5+h2o			5.11E+06	2.1	854.0
208.	c2h6+o=c2h5+oh			9.99E+08	1.5	5803.0
209.	c2h6+h=c2h5+h2			5.25E+14	0.0	12800.0
210.	c2h6+o2=c2h5+ho2			1.00E+13	0.0	51000.0
211.	c2h6+ch3o=c2h5+ch3oh			3.02E+11	0.0	7000.0
212.	c2h6+ch3=c2h5+ch4			7.54E+00	3.7	9883.0
213.	c2h5o2=c2h5+o2			4.93E+50	-11.5	42250.0
	Reverse Arrhenius coefficients:			1.09E+48	-11.5	10220.0
214.	c2h5+ho2=c2h5o+oh			1.90E+12	0.0	-1200.0
215.	ch3o2+c2h5=ch3o+c2h5o			7.00E+12	0.0	-1000.0
	Reverse Arrhenius coefficients:			6.57E+16	-0.9	31260.0
216.	c2h5o2=c2h4o2h			5.64E+47	-11.4	37320.0
	Reverse Arrhenius coefficients:			6.99E+48	-12.2	25850.0
217.	c2h5+ho2=c2h4+h2o2			1.79E+12	0.0	0.0
218.	c2h5+oh=c2h4+h2o			2.41E+13	0.0	0.0
219.	c2h5+oh=>ch3+ch2o+h			2.41E+13	0.0	0.0
220.	c2h5+o=ch2o+ch3			4.24E+13	0.0	0.0
221.	c2h5+o=ch3hco+h			5.30E+13	0.0	0.0
222.	c2h5+o=c2h4+oh			3.05E+13	0.0	0.0
223.	c2h5+h=c2h4+h2			1.25E+14	0.0	8000.0
224.	c2h5+ch3=c2h4+ch4			1.14E+12	0.0	0.0
225.	c2h5+c2h5=c2h4+c2h6			1.40E+12	0.0	0.0
226.	c2h4+h(+M)=c2h5(+M)			3.97E+09	1.3	1292.0
	Low pressure limit:	0.27910E+19	0.00000E+00	0.75500E+03		
	TROE centering:	0.76000E+00	0.40000E+02	0.10250E+04		
227.	c2h4+h2=ch3+ch3			3.77E+12	0.8	84710.0
	Reverse Arrhenius coefficients:			1.00E+14	0.0	32000.0
228.	c2h4+ho2=c2h4o+oh			2.23E+12	0.0	17190.0
	Reverse Arrhenius coefficients:			3.52E+17	-1.2	39670.0
229.	c2h4+M=c2h2+h2+M			3.00E+17	0.0	79350.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
230.	c2h4+M=c2h3+h+M			2.97E+17	0.0	96560.0
	h2o	Enhanced by	1.625E+01			
	co	Enhanced by	1.875E+00			
	co2	Enhanced by	3.750E+00			
	ch4	Enhanced by	1.625E+01			
	c2h6	Enhanced by	1.625E+01			
231.	c2h4+ho2=c2h4o2h			4.13E+04	2.2	13490.0
	Reverse Arrhenius coefficients:			3.89E+10	0.5	18870.0
232.	c2h4+oh=c2h3+h2o			2.02E+13	0.0	5936.0
233.	c2h4+o=ch3+hco			1.20E+08	1.4	530.0
234.	c2h4+o=ch2hco+h			2.00E+08	1.4	530.0
235.	c2h4+h=c2h3+h2			1.00E+14	0.0	15009.0
236.	c2h4+o2=c2h3+ho2			4.22E+13	0.0	57629.0

237.	c2h4+c2h4=c2h5+c2h3	5.00E+14	0.0	64700.0	
238.	c2h4+ch3=c2h3+ch4	6.63E+00	3.7	9499.0	
239.	c2h4+ho2=c2h3+h2o2	4.80E+04	2.5	27622.0	
240.	c2h3+ho2=>ch3+co+oh	3.00E+13	0.0	0.0	
241.	c2h3+oh=c2h2+h2o	3.00E+13	0.0	0.0	
242.	c2h3+h=c2h2+h2	3.00E+13	0.0	0.0	
243.	c2h3+o=ch3+co	1.50E+13	0.0	0.0	
244.	c2h3+o=ch2co+h	1.50E+13	0.0	0.0	
245.	c2h3+ch=ch2+c2h2	5.00E+13	0.0	0.0	
246.	c2h3+ch2=ac3h4+h	3.00E+13	0.0	0.0	
247.	c2h3+ch3=c2h2+ch4	3.91E+11	0.0	0.0	
248.	c2h3+c2h6=c2h4+c2h5	1.50E+13	0.0	10000.0	
249.	c2h3+c2h=c2h2+c2h2	9.64E+11	0.0	0.0	
250.	c2h3+c2h2=c4h4+h	2.00E+12	0.0	5000.0	
251.	c2h3+hco=c2h4+co	9.03E+13	0.0	0.0	
252.	c2h3+ch2o=c2h4+hco	5.42E+03	2.8	5862.0	
253.	c2h3+c2h3=c2h2+c2h4	1.08E+13	0.0	0.0	
254.	c2h3+c2h3=c4h6	5.00E+13	0.0	0.0	
255.	c2h3+c2h4=c4h6+h	1.27E+12	0.0	7305.0	
256.	c2h3+ch3=ac3h5+h	4.73E+02	3.7	5677.0	
257.	c2h2+oh(+m)=c2h2oh(+m)	2.29E+13	0.0	1808.0	
	Low pressure limit:	0.74400E+27	-0.31000E+01	0.18080E+04	
	TROE centering:	0.17000E+00	0.18000E+03	0.50000E+05	0.12772E+05
258.	c2h2+o2=hcco+oh	2.00E+08	1.5	30100.0	
259.	c2h2+o2=c2h+ho2	1.21E+13	0.0	74520.0	
260.	c2h2+ho2=ch2co+oh	6.09E+09	0.0	7948.0	
261.	c2h2+oh=c2h+h2o	3.40E+07	2.0	14000.0	
262.	c2h2+oh=ch3+co	4.84E-04	4.0	-2000.0	
263.	c2h2+oh=ch2co+h	2.19E-04	4.5	-1000.0	
264.	c2h2+oh=hcco+h	5.06E+05	2.3	13500.0	
265.	c2h2+o=ch2+co	1.98E+04	2.6	656.0	
266.	c2h2+o=hcco+h	4.62E+04	2.6	656.0	
267.	c2h2+ch3=c2h+ch4	1.80E+11	0.0	17290.0	
268.	c2h2+h(+m)=c2h3(+m)	2.34E+15	-0.9	3064.0	
	Low pressure limit:	0.22540E+41	-0.72690E+01	0.65770E+04	
	TROE centering:	0.50000E+00	0.67500E+03	0.67500E+03	
	h2o	Enhanced by	5.000E+00		
	co	Enhanced by	2.000E+00		
	co2	Enhanced by	3.000E+00		
	h2	Enhanced by	2.000E+00		
	ar	Enhanced by	7.500E-01		
269.	c2h+h2=c2h2+h	1.51E+13	0.0	3100.0	
270.	c2h+oh=hcco+h	2.00E+13	0.0	0.0	
271.	c2h+o=co+ch	1.00E+13	0.0	0.0	
272.	c2h+o2=co+hco	2.41E+12	0.0	0.0	
273.	c2h4o=ch4+co	1.21E+13	0.0	57200.0	
274.	c2h4o=ch3hco	6.00E+13	0.0	57200.0	
275.	c2h4o=ch3+hco	4.90E+13	0.0	57200.0	
276.	c2h4o+o2=c2h3o+ho2	4.00E+13	0.0	61500.0	
277.	c2h4o+h=c2h3o+h2	2.00E+13	0.0	8300.0	
278.	c2h4o+h=c2h3+h2o	5.00E+09	0.0	5000.0	
279.	c2h4o+h=c2h4+oh	9.51E+10	0.0	5000.0	
280.	c2h4o+o=c2h3o+oh	1.91E+12	0.0	5250.0	
281.	c2h4o+oh=c2h3o+h2o	4.79E+13	0.0	5955.0	
282.	c2h4o+ho2=c2h3o+h2o2	4.00E+12	0.0	17000.0	
283.	c2h4o+ch3=ch4+c2h3o	1.07E+12	0.0	11830.0	
284.	c2h4o2h=c2h4o+oh	3.16E+11	0.0	19500.0	
285.	c2h5oh(+M)=ch3+ch2oh(+M)	5.94E+23	-1.7	91163.0	
	Low pressure limit:	0.28800E+86	-0.18900E+02	0.10991E+06	
	TROE centering:	0.50000E+00	0.20000E+03	0.89000E+03	0.46000E+04
	h2o	Enhanced by	5.000E+00		

	h2	Enhanced by	2.000E+00			
	co2	Enhanced by	3.000E+00			
	co	Enhanced by	2.000E+00			
286.	c2h5oh(+M)=c2h5+oh(+M)			1.25E+23	-1.5	96005.0
	Low pressure limit:	0.32520E+86	-0.18810E+02	0.11493E+06		
	TROE centering:	0.50000E+00	0.30000E+03	0.90000E+03	0.50000E+04	
	h2o	Enhanced by	5.000E+00			
	h2	Enhanced by	2.000E+00			
	co2	Enhanced by	3.000E+00			
	co	Enhanced by	2.000E+00			
287.	c2h5oh(+M)=c2h4+h2o(+M)			2.79E+13	0.1	66136.0
	Low pressure limit:	0.25700E+84	-0.18850E+02	0.86452E+05		
	TROE centering:	0.70000E+00	0.35000E+03	0.80000E+03	0.38000E+04	
	h2o	Enhanced by	5.000E+00			
288.	c2h5oh(+M)=ch3hco+h2(+M)			7.24E+11	0.1	91007.0
	Low pressure limit:	0.44600E+88	-0.19420E+02	0.11559E+06		
	TROE centering:	0.90000E+00	0.90000E+03	0.11000E+04	0.35000E+04	
	h2o	Enhanced by	5.000E+00			
289.	c2h5oh+o2=pc2h4oh+ho2			2.00E+13	0.0	52800.0
	Reverse Arrhenius coefficients:			3.47E+08	0.3	-1105.0
290.	c2h5oh+o2=ch3choh+ho2			1.50E+13	0.0	50150.0
	Reverse Arrhenius coefficients:			1.08E+09	0.6	-504.0
291.	c2h5oh+oh=pc2h4oh+h2o			6.20E+03	2.7	-576.0
292.	c2h5oh+oh=ch3choh+h2o			1.31E+05	2.4	-1457.0
293.	c2h5oh+oh=c2h5o+h2o			2.81E+02	3.0	-580.0
294.	c2h5oh+h=pc2h4oh+h2			1.88E+03	3.2	7150.0
295.	c2h5oh+h=ch3choh+h2			1.79E+05	2.5	3420.0
296.	c2h5oh+h=c2h5o+h2			5.55E-23	10.6	-4459.0
297.	c2h5oh+o=pc2h4oh+oh			9.69E+02	3.2	4658.0
298.	c2h5oh+o=ch3choh+oh			1.45E+05	2.4	876.0
299.	c2h5oh+o=c2h5o+oh			1.46E-03	4.7	1727.0
300.	c2h5oh+ch3=pc2h4oh+ch4			3.30E+02	3.3	12291.0
301.	c2h5oh+ch3=ch3choh+ch4			1.99E+01	3.4	7635.0
302.	c2h5oh+ch3=c2h5o+ch4			2.04E+00	3.6	7722.0
303.	c2h5oh+ho2=ch3choh+h2o2			8.20E+03	2.5	10750.0
304.	c2h5oh+ho2=pc2h4oh+h2o2			1.23E+04	2.5	15750.0
305.	c2h5oh+ho2=c2h5o+h2o2			2.50E+12	0.0	24000.0
306.	c2h5o+M=ch3hco+h+M			1.16E+35	-5.9	25274.0
307.	c2h5o+M=ch3+ch2o+M			1.35E+38	-7.0	23800.0
308.	c2h5o+o2=ch3hco+ho2			4.00E+10	0.0	1100.0
309.	c2h5o+co=c2h5+co2			4.68E+02	3.2	5380.0
310.	c2h5o+h=ch3+ch2oh			3.00E+13	0.0	0.0
311.	c2h5o+h=c2h4+h2o			3.00E+13	0.0	0.0
312.	c2h5o+oh=ch3hco+h2o			1.00E+13	0.0	0.0
313.	ch3choh+o2=ch3hco+ho2			1.00E+13	0.0	5564.0
314.	ch3choh+ch3=c3h6+h2o			1.00E+13	0.0	0.0
315.	ch3choh+o=ch3hco+oh			1.00E+14	0.0	0.0
316.	ch3choh+h=c2h4+h2o			3.00E+13	0.0	0.0
317.	ch3choh+h=ch3+ch2oh			3.00E+13	0.0	0.0
318.	ch3choh+ho2=ch3hco+oh+oh			4.00E+13	0.0	0.0
319.	ch3choh+oh=ch3hco+h2o			5.00E+12	0.0	0.0
320.	ch3choh+M=ch3hco+h+M			1.00E+14	0.0	25000.0
321.	c2h4+oh=pc2h4oh			1.29E+12	0.0	-817.0
322.	pc2h4oh+o2=o2c2h4oh			1.00E+12	0.0	-1100.0
323.	o2c2h4oh=ch2o+ch2o+oh			6.00E+10	0.0	24500.0
324.	c2h5o2+ch3=c2h5o+ch3o			8.17E+12	0.0	-906.0
325.	c2h5o2=c2h4+ho2			3.57E+04	2.3	27955.0
326.	c2h5o2+ho2=c2h5o2h+o2			3.40E+11	0.0	-1300.0
327.	c2h5o2+ch2o=c2h5o2h+hco			1.99E+12	0.0	11660.0
328.	c2h4+c2h5o2=c2h3+c2h5o2h			2.23E+12	0.0	17190.0
329.	ch4+c2h5o2=ch3+c2h5o2h			1.81E+11	0.0	18480.0

330.	ch3oh+c2h5o2=ch2oh+c2h5o2h	1.81E+12	0.0	13710.0
331.	c2h6+c2h5o2=c2h5+c2h5o2h	1.32E+13	0.0	20470.0
332.	c2h4o+c2h5o2=c2h3o+c2h5o2h	1.13E+13	0.0	30430.0
333.	c3h6+c2h5o2=ac3h5+c2h5o2h	3.24E+11	0.0	14900.0
334.	c2h5o2+c3h8=c2h5o2h+nc3h7	1.70E+13	0.0	20460.0
335.	c2h5o2+c3h8=c2h5o2h+ic3h7	2.00E+12	0.0	17000.0
336.	c4h8+c2h5o2=Cc4h7-1+c2h5o2h	1.40E+12	0.0	14900.0
337.	c2h5o2+c2h5o2=c2h5o+c2h5o+o2	1.40E+16	-1.6	1860.0
338.	c2h5o2h=c2h5o+oh	4.00E+15	0.0	42900.0
339.	c2h5o2h+o=oh+c2h5o2	2.00E+13	0.0	4750.0
340.	c2h5o2h+oh=c2h5o2+h2o	2.00E+12	0.0	-370.0
341.	c2h5o2h+h=ch3hco+oh+h2	3.20E+13	0.0	7700.0
342.	c2h5o2h+ch3=ch3hco+oh+ch4	5.70E+11	0.0	8700.0
343.	c2h5o2h+c2h5=ch3hco+oh+c2h6	3.40E+11	0.0	11400.0
344.	c2h5o2h+oh=ch3hco+oh+h2o	5.90E+12	0.0	900.0
345.	c2h5o2h+hco=ch3hco+oh+ch2o	1.80E+12	0.0	16700.0
346.	c2h5o2h+ch3o=ch3hco+oh+ch3oh	6.30E+11	0.0	5500.0
347.	c2h5o2h+ho2=ch3hco+oh+h2o2	8.00E+11	0.0	16200.0
348.	ch2hco+o2=ch2co+ho2	1.58E+10	0.0	0.0
349.	ch2hco+o2=ch2o+co+oh	2.51E+10	0.0	0.0
350.	ch2hco+o2=oh+chocho	2.51E+11	0.0	14640.0
351.	ch2hco+o=ch2o+hco	3.98E+13	0.0	0.0
352.	ch2hco+ho2=ch2o+hco+oh	1.00E+13	0.0	0.0
353.	ch2hco+oh=ch2co+h2o	2.00E+13	0.0	0.0
354.	h+ch2co(+m)=ch2hco(+m)	4.86E+11	0.4	-1755.0
	Low pressure limit:	0.10120E+43	-0.76300E+01	0.38540E+04
	TROE centering:	0.46500E+00	0.20100E+03	0.17730E+04 0.53330E+04
	h2o	Enhanced by	6.000E+00	
	co	Enhanced by	1.500E+00	
	co2	Enhanced by	2.000E+00	
	ch4	Enhanced by	2.000E+00	
	c2h5	Enhanced by	3.000E+00	
	h2	Enhanced by	2.000E+00	
	ar	Enhanced by	7.500E-01	
355.	ch2hco+h=ch2co+h2	4.00E+13	0.0	0.0
356.	ch2hco+ch3=>c2h5+co+h	4.90E+14	-0.5	0.0
357.	ch2co+m=ch2+co+m	3.60E+15	0.0	59270.0
	h2o	Enhanced by	1.625E+01	
	co	Enhanced by	1.875E+00	
	co2	Enhanced by	3.750E+00	
	ch4	Enhanced by	1.625E+01	
	c2h6	Enhanced by	1.625E+01	
	h2	Enhanced by	2.500E+00	
	ar	Enhanced by	7.500E-01	
358.	ch2co+o2=ch2o+co2	2.00E+13	0.0	61500.0
359.	ch2co+ho2=>ch2o+co+oh	6.00E+11	0.0	12738.0
360.	ch2co+o=ch2+co2	1.76E+12	0.0	1349.0
361.	ch2co+o=hcco+oh	1.00E+13	0.0	8000.0
362.	ch2co+oh=ch2oh+co	6.93E+12	0.0	0.0
363.	ch2co+oh=hco+ch2o	2.04E+11	0.0	0.0
364.	ch2co+oh=hcco+h2o	1.02E+11	0.0	0.0
365.	ch2co+oh=ch3+co2	3.10E+12	0.0	0.0
366.	ch2co+h=ch3+co	1.50E+04	2.8	673.0
367.	ch2co+h=hcco+h2	1.80E+14	0.0	8600.0
368.	ch2co+ch3=c2h5+co	6.00E+10	0.0	0.0
369.	ch2co+ch3=hcco+ch4	7.50E+12	0.0	13000.0
370.	ch2co+ch2=hcco+ch3	1.00E+12	0.0	0.0
371.	ch2co+ch2=c2h4+co	3.60E+13	0.0	11000.0
372.	ch+ch2o=ch2co+h	9.46E+13	0.0	-515.0
373.	chocho(+m)=ch2o+co(+m)	4.27E+12	0.0	50600.0
	Low pressure limit:	0.89100E+17	0.00000E+00	0.49200E+05

374.	chocho(+m)=co+co+h2(+m)		1.07E+14	0.0	55100.0
	Low pressure limit:	0.25700E+17	0.00000E+00	0.38400E+05	
375.	chocho+oh=choco+h2o		1.00E+13	0.0	0.0
376.	chocho+o=choco+oh		7.24E+12	0.0	1970.0
377.	chocho+h=ch2o+hco		1.00E+12	0.0	0.0
378.	chocho+ho2=choco+h2o2		1.70E+12	0.0	10700.0
379.	chocho+ch3=choco+ch4		1.74E+12	0.0	8440.0
380.	chocho+o2=hco+co+ho2		6.30E+13	0.0	30000.0
381.	choco=hco+co		2.00E+07	0.0	0.0
382.	choco+o2=co+co+ho2		6.30E+13	0.0	30000.0
383.	c2h3o=ch2co+h		1.60E+13	0.0	35000.0
384.	c2h3o=ch3co		8.51E+14	0.0	14000.0
385.	c2h2oh=ch2co+h		5.00E+15	0.0	28000.0
386.	c2h2oh+h=ch2co+h2		2.00E+13	0.0	4000.0
387.	c2h2oh+o=ch2co+oh		2.00E+13	0.0	4000.0
388.	c2h2oh+oh=ch2co+h2o		1.00E+13	0.0	2000.0
389.	c2h2oh+o2=>hco+co2+h2		4.00E+12	0.0	-250.0
390.	hccoh+h=ch2co+h		1.00E+13	0.0	0.0
391.	hcco+m=ch+co+m		6.00E+15	0.0	58821.0
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
	h2	Enhanced by	2.500E+00		
	ar	Enhanced by	7.500E-01		
392.	hcco+oh=hco+co+h		1.00E+13	0.0	0.0
393.	hcco+o=co+co+h		1.93E+14	0.0	590.0
394.	hcco+h=sch2+co		1.50E+14	0.0	0.0
395.	hcco+o2=co2+co+h		1.40E+09	1.0	0.0
396.	hcco+ch2=c2h+ch2o		1.00E+13	0.0	2000.0
397.	hcco+ch2=c2h3+co		3.00E+13	0.0	0.0
398.	hcco+c2h2=c3h3+co		1.00E+11	0.0	3000.0
399.	hcco+ch=c2h2+co		5.00E+13	0.0	0.0
400.	hcco+hcco=c2h2+co+co		1.00E+13	0.0	0.0
401.	hcco+o=ch+co2		2.95E+13	0.0	1113.0
402.	ch3hco=ch3+hco		2.45E+16	0.0	84128.0
403.	ch3hco+ho2=ch3co+h2o2		1.70E+12	0.0	10700.0
404.	ch3hco+oh=ch3co+h2o		2.35E+10	0.7	-1113.0
405.	ch3hco+o=ch3co+oh		5.85E+12	0.0	1808.0
406.	ch3hco+h=ch3co+h2		4.10E+09	1.2	2405.0
407.	ch3hco+o2=ch3co+ho2		3.01E+13	0.0	39150.0
408.	ch3hco+ch3=ch3co+ch4		1.70E+12	0.0	8440.0
409.	ch3hco+hco=ch3co+ch2o		7.80E+13	0.0	8440.0
410.	ch3o2+ch3hco=ch3o2h+ch3co		3.01E+12	0.0	11930.0
	Reverse Arrhenius coefficients:		2.52E+13	-0.5	8991.0
411.	ch3hco+ch3co3=ch3co+ch3co3h		3.01E+12	0.0	11930.0
	Reverse Arrhenius coefficients:		1.95E+12	0.0	26810.0
412.	ch3hco+oh=ch3+hocho		3.00E+15	-1.1	0.0
	Reverse Arrhenius coefficients:		5.35E+19	-1.7	119800.0
413.	ch3co+m=ch3+co+m		8.64E+15	0.0	14400.0
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
	h2	Enhanced by	2.500E+00		
	ar	Enhanced by	7.500E-01		
414.	ch3co+o2=ch3co3		1.20E+11	0.0	-1100.0
415.	ch3co3+ho2=ch3co3h+o2		1.75E+10	0.0	-3275.0
416.	ch3co3h=ch3co2+oh		5.01E+14	0.0	40150.0

417.	ch3co2+m=ch3+co2+m		4.40E+15	0.0	10500.0
418.	c2o+o2=co+co+o		2.00E+13	0.0	0.0
419.	c2o+oh=co+co+h		2.00E+13	0.0	0.0
420.	c2o+o=co+co		5.00E+13	0.0	0.0
421.	c2o+h=ch+co		5.00E+13	0.0	0.0
422.	c2+o2=co+co		5.00E+13	0.0	0.0
423.	c2+oh=c2o+h		5.00E+13	0.0	0.0
424.	c2+h2=c2h+h		4.00E+05	2.4	1000.0
425.	c2h2+ch3=pc3h4+h		4.78E+03	2.4	12893.0
426.	c2h2+ch3=ac3h5		1.40E+04	2.2	16502.0
427.	c2h2+ch3=sc3h5		3.85E+56	-13.7	27892.0
428.	h+c2h5(+m)=c2h6(+m)		5.21E+17	-1.0	1580.0
	Low pressure limit:	0.19900E+42	-0.70800E+01	0.66850E+04	
	TROE centering:	0.84220E+00	0.12500E+03	0.22190E+04	0.68820E+04
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
429.	h+c2h(+m)=c2h2(+m)		1.00E+17	-1.0	0.0
	Low pressure limit:	0.37500E+34	-0.48000E+01	0.19000E+04	
	TROE centering:	0.64640E+00	0.13200E+03	0.13150E+04	0.55660E+04
	h2o	Enhanced by	1.625E+01		
	co	Enhanced by	1.875E+00		
	co2	Enhanced by	3.750E+00		
	ch4	Enhanced by	1.625E+01		
	c2h6	Enhanced by	1.625E+01		
430.	sc4h9(+m)=c3h6+ch3(+m)		2.27E+48	-10.5	45869.0
	Low pressure limit:	0.99330E+52	-0.10500E+02	0.34989E+05	
	TROE centering:	0.37100E+00	0.10000E-14	0.57400E+03	0.25390E+04
431.	c2h3+c2h2(+m)=ic4h5(+m)		1.00E+04	2.4	17900.0
	Low pressure limit:	0.26000E+39	-0.74100E+01	0.75000E+04	
432.	ic4h5(+m)=c4h4+h(+m)		1.00E+14	0.0	50000.0
	Low pressure limit:	0.20000E+16	0.00000E+00	0.42000E+05	
433.	nc4h5(+m)=c4h4+h(+m)		1.00E+14	0.0	37000.0
	Low pressure limit:	0.10000E+15	0.00000E+00	0.30000E+05	
434.	ic4h3(+m)=c4h2+h(+m)		1.00E+14	0.0	55000.0
	Low pressure limit:	0.25000E+16	0.00000E+00	0.48000E+05	
435.	nc4h3(+m)=c4h2+h(+m)		1.00E+14	0.0	36000.0
	Low pressure limit:	0.10000E+15	0.00000E+00	0.30000E+05	
436.	ch2+c3h8=ch3+ic3h7		2.19E+12	0.0	6405.0
437.	ch2+c3h8=ch3+nc3h7		1.79E+12	0.0	6405.0
438.	ch3+c2h5(+m)=c3h8(+m)		4.90E+14	-0.5	0.0
	Low pressure limit:	0.68000E+62	-0.13420E+02	0.60000E+04	
	TROE centering:	0.10000E+01	0.10000E+04	0.14340E+04	0.53290E+04
439.	c3h8+o2=nc3h7+ho2		4.00E+13	0.0	50872.0
440.	c3h8+o2=ic3h7+ho2		4.00E+13	0.0	47500.0
441.	c3h8+ho2=nc3h7+h2o2		4.76E+04	2.5	16494.0
442.	c3h8+ho2=ic3h7+h2o2		9.64E+03	2.6	13910.0
443.	c3h8+oh=nc3h7+h2o		3.16E+07	1.8	934.0
444.	c3h8+oh=ic3h7+h2o		7.08E+06	1.9	-159.0
445.	c3h8+o=nc3h7+oh		3.71E+06	2.4	5505.0
446.	c3h8+o=ic3h7+oh		5.49E+05	2.5	3140.0
447.	c3h8+h=nc3h7+h2		1.34E+06	2.5	6756.0
448.	c3h8+h=ic3h7+h2		1.01E+04	2.9	2931.0
449.	c3h8+ch3=nc3h7+ch4		3.00E+12	0.0	11710.0
450.	c3h8+ch3=ic3h7+ch4		8.07E+11	0.0	10110.0
451.	c3h8+c2h5=nc3h7+c2h6		3.16E+11	0.0	12300.0
452.	c3h8+c2h5=ic3h7+c2h6		5.01E+10	0.0	10400.0
453.	c3h8+c2h3=nc3h7+c2h4		6.00E+02	3.3	10502.0
454.	c3h8+c2h3=ic3h7+c2h4		1.00E+03	3.1	8829.0



455.	c3h8+ic3h7=nc3h7+c3h8	1.00E+11	0.0	12900.0
456.	c3h8+ac3h5=nc3h7+c3h6	7.94E+11	0.0	20500.0
457.	c3h8+ac3h5=ic3h7+c3h6	7.94E+11	0.0	16200.0
458.	c3h8+ch3o=nc3h7+ch3oh	3.18E+11	0.0	7050.0
459.	c3h8+ch3o=ic3h7+ch3oh	7.20E+10	0.0	4470.0
460.	c3h8+o2cho=nc3h7+ho2cho	5.52E+04	2.5	16480.0
461.	c3h8+o2cho=ic3h7+ho2cho	1.47E+04	2.6	13910.0
462.	ic3h7=c2h4+ch3	1.14E+11	0.0	31110.0
463.	nc3h7(+m)=c2h4+ch3(+m)	1.23E+13	-0.1	30202.0
	Low pressure limit:	0.55450E+50	-0.10000E+02	0.35766E+05
	TROE centering:	0.21700E+01	0.10000E-14	0.25100E+03 0.11850E+04
	h2o	Enhanced by	5.000E+00	
	co	Enhanced by	2.000E+00	
	co2	Enhanced by	3.000E+00	
	h2	Enhanced by	2.000E+00	
	ar	Enhanced by	7.500E-01	
464.	c3h6+h(+m)=nc3h7(+m)	1.33E+13	0.0	3260.7
	Low pressure limit:	0.62600E+39	-0.66600E+01	0.70000E+03
	TROE centering:	0.10000E+01	0.10000E+04	0.13100E+04 0.48097E+05
	h2o	Enhanced by	1.625E+01	
	co	Enhanced by	1.875E+00	
	co2	Enhanced by	3.750E+00	
	ch4	Enhanced by	1.625E+01	
	c2h6	Enhanced by	1.625E+01	
465.	c3h6+h(+m)=ic3h7(+m)	5.70E+09	1.2	874.0
	Low pressure limit:	0.16400E+55	-0.11100E+02	0.93640E+04
	TROE centering:	0.10000E+01	0.10000E-14	0.26000E+03 0.30000E+04
	h2o	Enhanced by	1.625E+01	
	co	Enhanced by	1.875E+00	
	co2	Enhanced by	3.750E+00	
	ch4	Enhanced by	1.625E+01	
	c2h6	Enhanced by	1.625E+01	
466.	nc3h7+o2=c3h6+ho2	1.00E+12	0.0	5020.0
467.	ic3h7+o2=c3h6+ho2	2.75E+10	0.0	-2151.0
468.	oh+ic3h7=nc3h7oh	5.90E+12	0.0	0.0
469.	nc3h7+h=c2h5+ch3	1.00E+14	0.0	0.0
470.	ic3h7+h=c2h5+ch3	5.00E+13	0.0	0.0
471.	ic3h7+h=c3h6+h2	3.61E+12	0.0	0.0
472.	ic3h7+o=aceton+h	4.82E+13	0.0	0.0
473.	ic3h7+o=ch3hco+ch3	4.82E+13	0.0	0.0
474.	nc3h7o=ethco+h	2.51E+14	0.0	23400.0
475.	nc3h7o=c2h5+ch2o	1.00E+15	0.0	21600.0
476.	ic3h7o=aceton+h	2.00E+14	0.0	21500.0
477.	ic3h7o=ch3+ch3hco	3.98E+14	0.0	17200.0
478.	ic3h7o+o2=aceton+ho2	9.09E+09	0.0	390.0
479.	ac3h5+h(+m)=c3h6(+m)	3.70E+14	0.0	0.0
	Low pressure limit:	0.13300E+61	-0.12000E+02	0.59678E+04
	TROE centering:	0.20000E-01	0.10966E+04	0.10966E+04 0.68595E+04
	h2o	Enhanced by	1.625E+01	
	co	Enhanced by	1.875E+00	
	co2	Enhanced by	3.750E+00	
	ch4	Enhanced by	1.625E+01	
	c2h6	Enhanced by	1.625E+01	
480.	c3h6=sc3h5+h	7.59E+14	0.0	101300.0
481.	c3h6=tc3h5+h	1.45E+15	0.0	98060.0
482.	c3h6=c2h3+ch3	1.10E+21	-1.2	97720.0
483.	c3h6=ch4+c2h2	3.50E+12	0.0	70000.0
484.	c3h6+o2=ac3h5+ho2	1.95E+12	0.0	39000.0
485.	c3h6+o2=sc3h5+ho2	1.40E+13	0.0	60200.0
486.	c3h6+o2=tc3h5+ho2	7.00E+12	0.0	60200.0
487.	c3h6+ho2=c3h6o+oh	1.02E+12	0.0	14964.0

488.	c3h6+ho2=ac3h5+h2o2	1.50E+11	0.0	14190.0
489.	c3h6+ho2=sc3h5+h2o2	7.50E+09	0.0	12570.0
490.	c3h6+ho2=tc3h5+h2o2	3.00E+09	0.0	9930.0
491.	c3h6+oh=ac3h5+h2o	7.70E+05	2.2	622.0
492.	c3h6+oh=sc3h5+h2o	1.01E+13	0.0	5960.0
493.	c3h6+oh=tc3h5+h2o	1.11E+06	2.0	1450.0
494.	c3h6+o=c2h5+hco	4.69E+07	1.6	-628.0
495.	c3h6+o=ch3+ch2hco	3.90E+07	1.6	-628.0
496.	c3h6+o=c2h4+ch2o	7.02E+07	1.6	-628.0
497.	c3h6+o=ac3h5+oh	1.75E+11	0.7	5884.0
498.	c3h6+o=sc3h5+oh	1.20E+11	0.7	8960.0
499.	c3h6+o=tc3h5+oh	6.00E+10	0.7	7633.0
500.	c3h6+h=c2h4+ch3	7.23E+12	0.0	1302.0
501.	c3h6+h=ac3h5+h2	6.46E+12	0.0	4445.0
502.	c3h6+h=sc3h5+h2	3.46E+14	0.0	17422.0
503.	c3h6+h=tc3h5+h2	1.67E+14	0.0	14818.0
504.	c3h6+ch3=ac3h5+ch4	1.60E+11	0.0	8800.0
505.	c3h6+ch3=sc3h5+ch4	3.30E+11	0.0	10110.0
506.	c3h6+ch3=tc3h5+ch4	5.00E+10	0.0	8030.0
507.	c3h6+c2h5=ac3h5+c2h6	1.00E+11	0.0	9800.0
508.	c3h6+c2h3=c4h6+ch3	7.20E+11	0.0	5008.0
509.	c3h6+c2h3=ac3h5+c2h4	2.21E+00	3.5	4682.0
510.	c3h6+c2h3=tc3h5+c2h4	2.21E+00	3.5	4682.0
511.	c3h6+c2h3=sc3h5+c2h4	2.21E+00	3.5	4682.0
512.	c3h6+hco=ac3h5+ch2o	1.08E+07	1.9	17010.0
513.	c3h6+o=>ch2co+ch3+h	2.50E+07	1.8	76.0
514.	c3h6+o=>ch3chco+h+h	2.50E+07	1.8	76.0
515.	c3h6+ch3o2=ac3h5+ch3o2h	3.24E+11	0.0	14900.0
	Reverse Arrhenius coefficients:	2.00E+10	0.0	15000.0
516.	c3h6+oh=c3h6oh	9.93E+11	0.0	-960.0
517.	c3h6oh+o2=o2c3h6oh	1.20E+11	0.0	-1100.0
518.	o2c3h6oh=ch3hco+ch2o+oh	1.25E+10	0.0	18900.0
519.	ac3h5+ho2=c3h5o+oh	7.00E+12	0.0	-1000.0
520.	ac3h5+ch3o2=c3h5o+ch3o	7.00E+12	0.0	-1000.0
	Reverse Arrhenius coefficients:	1.99E+15	-0.7	17020.0
521.	ac3h5+h=ac3h4+h2	6.03E+12	0.0	0.0
522.	ac3h5+ch3=ac3h4+ch4	1.00E+11	0.0	0.0
523.	ac3h5+ch2=c4h6+h	3.00E+13	0.0	0.0
524.	ac3h5+c2h5=ac3h4+c2h6	4.00E+11	0.0	0.0
525.	ac3h5+c2h3=ac3h4+c2h4	1.00E+12	0.0	0.0
526.	ac3h5+o=acrol+h	6.03E+13	0.0	0.0
527.	ac3h5+hco=c3h6+co	6.03E+13	0.0	0.0
528.	ac3h5+o2=c2h2+ch2o+oh	9.71E+20	-2.7	24980.0
529.	ac3h5+o2=acrol+oh	2.47E+13	-0.5	23017.0
530.	ac3h5+o2=ac3h4+ho2	2.18E+21	-2.9	30755.0
531.	ac3h5+o2=ch2hco+ch2o	7.14E+15	-1.2	21046.0
532.	sc3h5=pc3h4+h	5.62E+12	0.0	43500.0
533.	sc3h5+o2=ch3hco+hco	4.33E+12	0.0	0.0
534.	sc3h5+ho2=>ch2co+ch3+oh	4.50E+12	0.0	0.0
535.	sc3h5+h=ac3h4+h2	3.33E+12	0.0	0.0
536.	sc3h5+h=pc3h4+h2	4.00E+13	0.0	0.0
537.	sc3h5+o=>ch2co+ch3	1.81E+14	0.0	0.0
538.	sc3h5+ch3=ac3h4+ch4	1.00E+11	0.0	0.0
539.	sc3h5+c2h5=ac3h4+c2h6	1.00E+11	0.0	0.0
540.	sc3h5+c2h3=ac3h4+c2h4	1.00E+11	0.0	0.0
541.	tc3h5=ac3h5	2.50E+12	0.0	47000.0
542.	tc3h5+o2=ch3co+ch2o	5.01E+12	0.0	19000.0
543.	tc3h5+o=>ch2co+ch3	1.81E+14	0.0	0.0
544.	tc3h5+h=pc3h4+h2	1.00E+13	0.0	0.0
545.	tc3h5+ch3=ac3h4+ch4	1.00E+11	0.0	0.0
546.	tc3h5+c2h5=ac3h4+c2h6	1.00E+11	0.0	0.0

547.	$\text{tc3h5} + \text{c2h3} = \text{ac3h4} + \text{c2h4}$	1.00E+11	0.0	0.0
548.	$\text{ac3h4} + \text{m} = \text{c3h3} + \text{h} + \text{m}$	2.00E+18	0.0	80000.0
	h2o                      Enhanced by      1.625E+01			
549.	$\text{ac3h4} = \text{pc3h4}$	3.10E+65	-15.1	93814.0
	Declared duplicate reaction...			
550.	$\text{ac3h4} = \text{pc3h4}$	1.20E+15	0.0	92400.0
	Declared duplicate reaction...			
551.	$\text{ac3h4} + \text{o2} = \text{c3h3} + \text{ho2}$	4.00E+13	0.0	61500.0
552.	$\text{ac3h4} + \text{ho2} = \text{c3h4o2h}$	3.00E+11	0.0	8000.0
553.	$\text{ac3h4} + \text{ho2} = \text{c3h3} + \text{h2o2}$	1.80E+13	0.0	19000.0
554.	$\text{ac3h4} + \text{ho2} = \text{ch2co} + \text{ch2} + \text{oh}$	5.00E+11	0.0	19000.0
555.	$\text{ac3h4} + \text{ho2} = \text{acrol} + \text{oh}$	5.00E+11	0.0	19000.0
556.	$\text{ac3h4} + \text{ho2} = \text{c2h2} + \text{ch2o} + \text{oh}$	5.00E+11	0.0	19000.0
557.	$\text{ac3h4} + \text{oh} = \text{c3h3} + \text{h2o}$	3.62E+12	0.0	4170.0
558.	$\text{ac3h4} + \text{oh} = \text{ch2co} + \text{ch3}$	1.00E+12	0.0	-393.0
559.	$\text{ac3h4} + \text{oh} = \text{hco} + \text{c2h4}$	1.25E+11	0.0	-393.0
560.	$\text{ac3h4} + \text{oh} = \text{c2h5} + \text{co}$	1.88E+11	0.0	-393.0
561.	$\text{ac3h4} + \text{oh} = \text{acrol} + \text{h}$	3.75E+11	0.0	-393.0
562.	$\text{ac3h4} + \text{o} = \text{c2h4} + \text{co}$	1.12E-02	4.6	-4243.0
563.	$\text{ac3h4} + \text{o} = \text{c2h3} + \text{hco}$	5.00E-04	4.6	-4243.0
564.	$\text{ac3h4} + \text{o} = \text{ch2co} + \text{ch2}$	1.00E-03	4.6	-4243.0
565.	$\text{ac3h4} + \text{o} = \text{c2h2} + \text{ch2o}$	2.50E-03	4.6	-4243.0
566.	$\text{ac3h4} + \text{h} = \text{ac3h5}$	1.20E+12	0.0	2700.0
567.	$\text{ac3h4} + \text{h} = \text{sc3h5}$	8.00E+11	0.0	2000.0
568.	$\text{ac3h4} + \text{h} = \text{tc3h5}$	8.50E+12	0.0	2000.0
569.	$\text{ac3h4} + \text{h} = \text{c3h3} + \text{h2}$	1.00E+14	0.0	15009.0
570.	$\text{ac3h4} + \text{ch3} = \text{c3h3} + \text{ch4}$	1.33E+12	0.0	7700.0
571.	$\text{ac3h4} + \text{ac3h5} = \text{c3h3} + \text{c3h6}$	9.00E+11	0.0	7700.0
572.	$\text{c3h4o2h} = \text{ac3h4} + \text{ho2}$	3.16E+11	0.0	19500.0
573.	$\text{c3h4o2h} = \text{c3h4o} + \text{oh}$	3.16E+11	0.0	19500.0
574.	$\text{c3h4o} = \text{acrol}$	2.45E+14	0.0	58485.0
575.	$\text{c3h4o} + \text{o2} = \text{c3h3o} + \text{ho2}$	4.00E+13	0.0	61500.0
576.	$\text{c3h4o} + \text{ho2} = \text{ch2co} + \text{ch2o} + \text{oh}$	1.00E+12	0.0	14340.0
577.	$\text{c3h4o} + \text{ho2} = \text{c3h3o} + \text{h2o2}$	4.00E+12	0.0	17000.0
578.	$\text{c3h4o} + \text{oh} = \text{c3h3o} + \text{h2o}$	4.79E+13	0.0	5955.0
579.	$\text{c3h4o} + \text{h} = \text{c3h3o} + \text{h2}$	2.00E+13	0.0	8300.0
580.	$\text{c3h3o} = \text{c2h3co}$	8.51E+14	0.0	14000.0
581.	$\text{c3h3o} + \text{o2} = \text{hcco} + \text{hco} + \text{oh}$	5.01E+12	0.0	19192.0
582.	$\text{pc3h4} + \text{m} = \text{c3h3} + \text{h} + \text{m}$	3.39E+22	-2.0	92370.0
	h2o                      Enhanced by      1.625E+01			
583.	$\text{pc3h4} = \text{c2h} + \text{ch3}$	4.20E+16	0.0	100000.0
584.	$\text{pc3h4} + \text{o2} = \text{c3h3} + \text{ho2}$	2.50E+12	0.0	51000.0
585.	$\text{pc3h4} + \text{o2} = \text{hcco} + \text{oh} + \text{ch2}$	1.00E+07	1.5	30100.0
586.	$\text{pc3h4} + \text{ho2} = \text{c2h4} + \text{co} + \text{oh}$	6.09E+09	0.0	7948.0
587.	$\text{pc3h4} + \text{ho2} = \text{ch3co} + \text{ch2o}$	3.00E+12	0.0	16000.0
588.	$\text{pc3h4} + \text{ho2} = \text{ch3hco} + \text{hco}$	4.50E+12	0.0	16000.0
589.	$\text{pc3h4} + \text{ho2} = \text{c3h3} + \text{h2o2}$	5.00E+11	0.0	19000.0
590.	$\text{pc3h4} + \text{oh} = \text{c3h3} + \text{h2o}$	6.50E+02	3.0	200.0
591.	$\text{pc3h4} + \text{oh} = \text{ch2co} + \text{ch3}$	2.00E-04	4.5	-1000.0
592.	$\text{pc3h4} + \text{oh} = \text{hco} + \text{c2h4}$	1.00E-04	4.5	-1000.0
593.	$\text{pc3h4} + \text{oh} = \text{ch2o} + \text{c2h3}$	1.00E-04	4.5	-1000.0
594.	$\text{pc3h4} + \text{oh} = \text{acrol} + \text{h}$	1.00E-04	4.5	-1000.0
595.	$\text{pc3h4} + \text{o} = \text{ch2co} + \text{ch2}$	6.40E+12	0.0	2100.0
596.	$\text{pc3h4} + \text{o} = \text{c2h3} + \text{hco}$	3.20E+12	0.0	2100.0
597.	$\text{pc3h4} + \text{o} = \text{hcco} + \text{ch3}$	9.18E+12	0.0	2100.0
598.	$\text{pc3h4} + \text{o} = \text{ch2o} + \text{c2h2}$	3.20E+11	0.0	2100.0
599.	$\text{pc3h4} + \text{o} = \text{hcco} + \text{ch2} + \text{h}$	3.20E+11	0.0	2010.0
600.	$\text{pc3h4} + \text{h} = \text{tc3h5}$	1.30E+13	0.0	1999.0
601.	$\text{pc3h4} + \text{h} = \text{c3h3} + \text{h2}$	2.00E+14	0.0	15000.0
602.	$\text{pc3h4} + \text{ch3} = \text{c3h3} + \text{ch4}$	4.00E+11	0.0	7700.0
603.	$\text{pc3h4} + \text{c2h3} = \text{c3h3} + \text{c2h4}$	1.00E+11	0.0	7700.0

604.	pc3h4+c2h=c3h3+c2h2	4.20E+16	0.0	100000.0
605.	pc3h4+oh(+m)=>c3h4oh(+m)	2.29E+13	0.0	1808.0
	Low pressure limit:	0.74440E+27	-0.31000E+01	0.18080E+04
	TROE centering:	0.17000E+00	0.18000E+03	0.50000E+05
606.	c3h4oh=>ch2co+ch3	3.00E+15	0.0	28000.0
607.	c3h4oh=>hco+c2h4	5.00E+14	0.0	28000.0
608.	c3h4oh=>ch2o+c2h3	1.00E+15	0.0	28000.0
609.	c3h4oh=>acrol+h	5.00E+14	0.0	28000.0
610.	c3h3+o2=ch2co+hco	3.01E+10	0.0	2870.0
611.	c3h3+ho2=c3h2+h2o2	2.00E+12	0.0	0.0
612.	c3h3+oh=c3h2+h2o	5.00E+12	0.0	0.0
613.	c3h3+oh=hcco+ch3	5.00E+12	0.0	0.0
614.	c3h3+o=>c2h2+hco	1.38E+14	0.0	0.0
615.	c3h3+o=c2h3+co	4.61E+13	0.0	0.0
616.	c3h3+o=c2h+ch2o	4.61E+13	0.0	0.0
617.	c3h3+o=>c2h2+co+h	4.61E+13	0.0	0.0
618.	c3h3+h=c3h2+h2	5.00E+13	0.0	3000.0
619.	c3h3+ch=ic4h3+h	7.00E+13	0.0	0.0
620.	c3h3+ch=nc4h3+h	7.00E+13	0.0	0.0
621.	c3h3+ch2=c4h4+h	4.00E+13	0.0	0.0
622.	c3h3+ch3=c4h6	3.33E+12	0.0	0.0
623.	c3h3+c2h3=c5h5+h	9.63E+40	-7.8	28820.0
624.	ch+c2h2=c3h2+h	1.00E+14	0.0	0.0
625.	c3h2+o2=hcco+hco	3.00E+10	0.0	2870.0
626.	c3h2+oh=c2h2+hco	5.00E+13	0.0	0.0
627.	c3h2+ch2=ic4h3+h	3.00E+13	0.0	0.0
628.	c3h5o=acrol+h	1.00E+14	0.0	29100.0
	Reverse Arrhenius coefficients:	7.71E+11	0.5	17750.0
629.	c3h5o=c2h3+ch2o	2.03E+12	0.1	23560.0
	Reverse Arrhenius coefficients:	1.50E+11	0.0	10600.0
630.	c3h5o+o2=acrol+ho2	1.00E+12	0.0	6000.0
	Reverse Arrhenius coefficients:	1.29E+11	0.0	32000.0
631.	ethco+h=h2+c2h5co	4.00E+13	0.0	4200.0
632.	ethco+oh=h2o+c2h5co	4.20E+12	0.0	500.0
633.	ethco+ho2=h2o2+c2h5co	1.00E+12	0.0	10000.0
634.	ethco+ch3=ch4+c2h5co	2.00E-06	5.6	2500.0
635.	ethco+c2h5=c2h6+c2h5co	1.30E+12	0.0	8500.0
636.	ethco+o2=c2h5co+ho2	1.00E+13	0.0	40700.0
637.	c2h5co+M=co+c2h5+M	8.64E+15	0.0	14400.0
638.	acrol+h=h2+c2h3co	4.00E+13	0.0	4200.0
639.	acrol+oh=h2o+c2h3co	4.20E+12	0.0	500.0
640.	acrol+ho2=h2o2+c2h3co	1.00E+12	0.0	10000.0
641.	acrol+ch3=ch4+c2h3co	2.00E-06	5.6	2500.0
642.	acrol+c2h5=c2h6+c2h3co	1.30E+12	0.0	8500.0
643.	acrol=c2h3+hco	2.45E+16	0.0	84128.0
644.	acrol+o=c2h3co+oh	5.01E+12	0.0	1790.0
645.	acrol+c2h3=c2h4+c2h3co	1.74E+12	0.0	8440.0
646.	acrol+ac3h5=c3h6+c2h3co	1.00E+12	0.0	8000.0
647.	c2h3co+m=>c2h3+co+m	8.60E+15	0.0	23000.0
	h2o	Enhanced by	1.625E+01	
	co	Enhanced by	1.875E+00	
	co2	Enhanced by	3.750E+00	
	ch4	Enhanced by	1.625E+01	
	c2h6	Enhanced by	1.625E+01	
648.	aceton+h=h2+ch2coch3	2.70E+07	2.0	5000.0
649.	aceton+oh=h2o+ch2coch3	7.80E+06	2.0	-765.0
650.	aceton+ho2=h2o2+ch2coch3	1.20E+12	0.0	15500.0
651.	aceton+ch3=ch4+ch2coch3	6.00E+11	0.0	9600.0
652.	aceton+ch3o2=ch3o2h+ch2coch3	6.00E+11	0.0	9600.0
653.	aceton+c2h5=c2h6+ch2coch3	6.00E+11	0.0	11000.0
654.	ch2coch3=ch2co+ch3	1.00E+15	0.0	31000.0

655.	ch3coch2o2=ch2coch3+o2	9.30E+13	-1.1	27450.0
	Reverse Arrhenius coefficients:	1.20E+11	0.0	-1100.0
656.	aceton+ch3coch2o2=ch2coch3+ch3coch2o2h	1.00E+11	0.0	5000.0
	Reverse Arrhenius coefficients:	1.99E+10	0.0	10000.0
657.	ch2o+ch3coch2o2=hco+ch3coch2o2h	1.29E+11	0.0	9000.0
	Reverse Arrhenius coefficients:	2.51E+10	0.0	10100.0
658.	ho2+ch3coch2o2=ch3coch2o2h+o2	1.00E+12	0.0	0.0
659.	ch3coch2o2h=ch3coch2o+oh	1.00E+16	0.0	43000.0
	Reverse Arrhenius coefficients:	2.04E+09	1.6	-4375.0
660.	ch3coch2o=ch3co+ch2o	8.71E+16	-1.2	13760.0
	Reverse Arrhenius coefficients:	1.00E+11	0.0	11900.0
661.	ch3cocho+oh=ch3coco+h2o	2.30E+10	0.7	-1100.0
662.	ch3cocho+h=ch3coco+h2	4.10E+09	1.2	2405.0
663.	ch3cocho+ho2=ch3coco+h2o2	3.00E+12	0.0	12000.0
664.	ch3coco=ch3co+co	1.40E+14	0.0	6692.0
665.	ch3coco+o2=co2+co2+ch3	3.00E+10	0.0	2870.0
666.	ch3coco+ho2=oh+co2+ch3co	2.00E+13	0.0	0.0
667.	ch2co+hco=ch2cohco	2.00E+11	0.0	7800.0
668.	hcoch2hco+oh=hcoch2co+h2o	4.60E+10	0.7	-1100.0
669.	hcoch2hco+h=hcoch2co+h2	8.20E+09	1.2	2405.0
670.	hcoch2hco+ho2=hcoch2co+h2o2	6.00E+12	0.0	12000.0
671.	hcoch2hco+ch3=hcoch2co+ch4	1.52E+01	3.4	3740.0
672.	hcoch2hco+o2=hcoch2co+ho2	6.00E+13	0.0	39200.0
673.	hcoch2co=ch2hco+co	1.83E+15	-0.7	12910.0
674.	c4h10=c2h5+c2h5	2.00E+16	0.0	81300.0
675.	c4h10=ch3+nc3h7	1.00E+17	0.0	85400.0
676.	c4h10=pc4h9+h	1.58E+16	0.0	98000.0
677.	c4h10=sc4h9+h	1.00E+16	0.0	95000.0
678.	c4h10+o2=pc4h9+ho2	2.51E+13	0.0	49000.0
679.	c4h10+h=pc4h9+h2	5.63E+07	2.0	7700.0
680.	c4h10+o=pc4h9+oh	4.89E+06	2.4	5505.0
681.	c4h10+oh=pc4h9+h2o	4.14E+07	1.7	753.0
682.	c4h10+ho2=pc4h9+h2o2	1.70E+13	0.0	20460.0
683.	c4h10+ch3=pc4h9+ch4	2.19E+11	0.0	11400.0
684.	c4h10+c2h3=pc4h9+c2h4	1.00E+12	0.0	18000.0
685.	c4h10+c2h5=pc4h9+c2h6	1.00E+11	0.0	13400.0
686.	c4h10+ac3h5=pc4h9+c3h6	7.94E+11	0.0	20500.0
687.	c4h10+ch3o=pc4h9+ch3oh	3.00E+11	0.0	7000.0
688.	c4h10+o2=sc4h9+ho2	3.98E+13	0.0	47600.0
689.	c4h10+h=sc4h9+h2	4.78E+06	2.5	7369.0
690.	c4h10+o=sc4h9+oh	4.28E+05	2.6	2583.0
691.	c4h10+oh=sc4h9+h2o	7.23E+07	1.6	-246.0
692.	c4h10+ho2=sc4h9+h2o2	4.00E+12	0.0	18150.0
693.	c4h10+ch3=sc4h9+ch4	2.19E+11	0.0	9600.0
694.	c4h10+c2h3=sc4h9+c2h4	7.94E+11	0.0	16800.0
695.	c4h10+c2h5=sc4h9+c2h6	1.00E+11	0.0	10400.0
696.	c4h10+ac3h5=sc4h9+c3h6	3.16E+11	0.0	16400.0
697.	c4h10+ch3o=sc4h9+ch3oh	6.00E+11	0.0	7000.0
698.	c4h10+o2cho=pc4h9+ho2cho	1.68E+13	0.0	20440.0
699.	c4h10+o2cho=sc4h9+ho2cho	1.12E+13	0.0	17690.0
700.	pc4h9=c2h5+c2h4	2.50E+13	0.0	28824.0
701.	sc4h9=ch3+c3h6	2.00E+13	0.0	31000.0
702.	pc4h9=c3h6+ch3	1.26E+12	0.0	27026.0
703.	pc4h9=c4h8+h	1.26E+13	0.0	38600.0
704.	sc4h9=t2c4h8+h	4.57E+12	0.0	34000.0
705.	sc4h9=c2c4h8+h	4.17E+12	0.0	34780.0
706.	pc4h9+o2=c4h8+ho2	1.90E+12	0.0	5000.0
707.	sc4h9+o2=c4h8+ho2	7.59E+09	0.0	-2000.0
708.	sc4h9+o2=t2c4h8+ho2	9.00E+09	0.0	-2000.0
709.	sc4h9+o2=c2c4h8+ho2	9.00E+09	0.0	-2000.0
710.	pc4h9=sc4h9	1.39E+09	1.0	33760.0

711.	pc4h9+ho2=c4h8+h2o2	2.41E+13	0.0	0.0
712.	pc4h9+oh=c4h8+h2o	2.40E+13	0.0	0.0
713.	pc4h9+h=c4h8+h2	1.25E+13	0.0	0.0
714.	pc4h9+ch3=c4h8+ch4	2.00E+12	0.0	0.0
715.	pc4h9+c2h5=c4h8+c2h6	1.60E+12	0.0	0.0
716.	pc4h9+ac3h5=c4h8+c3h6	1.00E+12	0.0	0.0
717.	sc4h9+ho2=c4h8+h2o2	2.40E+13	0.0	0.0
718.	sc4h9+ho2=t2c4h8+h2o2	2.40E+13	0.0	0.0
719.	sc4h9+ho2=c2c4h8+h2o2	2.40E+13	0.0	0.0
720.	sc4h9+oh=c4h8+h2o	2.40E+13	0.0	0.0
721.	sc4h9+oh=t2c4h8+h2o	2.40E+13	0.0	0.0
722.	sc4h9+oh=c2c4h8+h2o	2.40E+13	0.0	0.0
723.	sc4h9+h=c4h8+h2	3.33E+13	0.0	0.0
724.	sc4h9+h=t2c4h8+h2	5.00E+13	0.0	0.0
725.	sc4h9+h=c2c4h8+h2	5.00E+13	0.0	0.0
726.	sc4h9+ch3=c4h8+ch4	8.00E+11	0.0	0.0
727.	sc4h9+ch3=t2c4h8+ch4	1.00E+12	0.0	0.0
728.	sc4h9+ch3=c2c4h8+ch4	1.00E+12	0.0	0.0
729.	c2c4h8=c4h6+h2	1.00E+13	0.0	65500.0
730.	sc4h9=c4h8+h	2.00E+13	0.0	40400.0
731.	c4h8+oh=ch2o+nc3h7	1.00E+12	0.0	0.0
732.	c4h8+oh=ch3hco+c2h5	1.00E+12	0.0	0.0
733.	c4h8+oh=ethco+ch3	1.00E+12	0.0	0.0
734.	c4h8+oh=ch3co+c2h6	5.00E+11	0.0	0.0
735.	c4h8+oh=c2h5co+ch4	5.00E+11	0.0	0.0
736.	t2c4h8+oh=ch3hco+c2h5	2.60E+13	0.0	0.0
737.	c2c4h8+oh=ch3hco+c2h5	2.60E+13	0.0	0.0
738.	c4h8+o=c3h6+ch2o	7.23E+05	2.3	-1050.0
739.	c4h8+o=ch3hco+c2h4	1.30E+13	0.0	850.0
740.	c4h8+o=c2h5+ch3co	1.62E+13	0.0	850.0
741.	c2c4h8+o=ic3h7+hco	6.03E+12	0.0	0.0
742.	c2c4h8+o=ch3hco+c2h4	1.00E+12	0.0	0.0
743.	t2c4h8+o=ic3h7+hco	6.03E+12	0.0	0.0
744.	t2c4h8+o=ch3hco+c2h4	1.00E+12	0.0	0.0
745.	c4h8+ho2=>ch2o+c3h6+oh	2.50E+12	0.0	14340.0
746.	c4h8+o2=Cc4h7-1+ho2	4.00E+12	0.0	40000.0
747.	c4h8+ho2=Cc4h7-1+h2o2	6.80E+03	2.5	10115.0
748.	c4h8+oh=Cc4h7-1+h2o	4.19E+06	2.0	-543.0
749.	c4h8+o=Cc4h7-1+oh	2.60E+12	0.0	4500.0
750.	c4h8+h=Cc4h7-1+h2	1.95E+13	0.0	4445.0
751.	c4h8+ch3=Cc4h7-1+ch4	1.00E+11	0.0	7300.0
752.	c4h8+c2h5=Cc4h7-1+c2h6	1.00E+11	0.0	8300.0
753.	c4h8+ac3h5=Cc4h7-1+c3h6	8.00E+10	0.0	12400.0
754.	c4h8+sc3h5=Cc4h7-1+c3h6	8.00E+10	0.0	12400.0
755.	c4h8+tc3h5=Cc4h7-1+c3h6	8.00E+10	0.0	12400.0
756.	c4h8+o2=Dc4h7-1+ho2	1.26E+13	0.0	49000.0
757.	c4h8+h=Dc4h7-1+h2	2.81E+07	2.0	7700.0
758.	c4h8+o=Dc4h7-1+oh	2.44E+06	2.4	5505.0
759.	c4h8+oh=Dc4h7-1+h2o	2.07E+07	1.7	753.0
760.	c4h8+ho2=Dc4h7-1+h2o2	8.50E+12	0.0	20460.0
761.	c4h8+ch3=Dc4h7-1+ch4	1.00E+11	0.0	7300.0
762.	c4h8+c2h5=Dc4h7-1+c2h6	5.00E+10	0.0	13400.0
763.	c4h8+ch3o=Dc4h7-1+ch3oh	1.50E+11	0.0	7000.0
764.	c2c4h8+oh=Cc4h7-1+h2o	9.00E+06	2.0	-60.0
765.	c2c4h8+h=Cc4h7-1+h2	1.00E+13	0.0	3500.0
766.	c2c4h8+ch3=Cc4h7-1+ch4	1.00E+11	0.0	8200.0
767.	t2c4h8+oh=Cc4h7-1+h2o	9.00E+06	2.0	-60.0
768.	t2c4h8+h=Cc4h7-1+h2	5.00E+12	0.0	3500.0
769.	t2c4h8+ch3=Cc4h7-1+ch4	1.00E+11	0.0	8200.0
770.	c4h8=c2c4h8	4.00E+11	0.0	60000.0
771.	c4h8=t2c4h8	4.00E+11	0.0	60000.0

772.	c2c4h8=t2c4h8	3.62E+13	0.0	61330.0
773.	c4h8=ac3h5+ch3	1.50E+19	-1.0	73400.0
774.	c4h8=c2h3+c2h5	1.00E+19	-1.0	96770.0
775.	c2c4h8=sc3h5+ch3	2.00E+16	0.0	71300.0
776.	t2c4h8=sc3h5+ch3	2.00E+16	0.0	71300.0
777.	c4h8=Cc4h7-1+h	4.08E+18	-1.0	97350.0
778.	c2c4h8=Cc4h7-1+h	4.07E+18	-1.0	97350.0
779.	t2c4h8=Cc4h7-1+h	4.07E+18	-1.0	97350.0
780.	Dc4h7-1=c2h4+c2h3	5.00E+13	0.0	38000.0
781.	Dc4h7-1=c4h6+h	1.00E+14	0.0	44000.0
782.	Dc4h7-1+o2=c4h6+ho2	1.02E+12	0.0	22654.0
783.	Dc4h7-1+ho2=c4h6+h2o2	1.00E+12	0.0	0.0
784.	Dc4h7-1+oh=c4h6+h2o	4.00E+13	0.0	0.0
785.	Dc4h7-1+o=c4h6+oh	4.00E+13	0.0	0.0
786.	Dc4h7-1+h=c4h6+h2	3.16E+13	0.0	0.0
787.	Dc4h7-1+ch3=c4h6+ch4	7.94E+12	0.0	0.0
788.	Dc4h7-1+c2h3=c4h6+c2h4	4.00E+12	0.0	0.0
789.	Dc4h7-1+c2h5=c4h6+c2h6	4.00E+12	0.0	0.0
790.	Dc4h7-1+c2h5=c4h8+c2h4	5.00E+11	0.0	0.0
791.	Dc4h7-1+c2h5=t2c4h8+c2h4	5.00E+11	0.0	0.0
792.	Dc4h7-1+c2h5=c2c4h8+c2h4	5.00E+11	0.0	0.0
793.	Dc4h7-1+c3h3=c4h6+pc3h4	4.00E+12	0.0	0.0
794.	Dc4h7-1+c3h3=c4h6+ac3h4	4.00E+12	0.0	0.0
795.	Dc4h7-1+ac3h5=c4h6+c3h6	6.30E+12	0.0	0.0
796.	Dc4h7-1+Dc4h7-1=c4h6+c4h8	3.16E+12	0.0	0.0
797.	Dc4h7-1+c2h4=c4h8+c2h3	1.00E+11	0.0	15000.0
798.	Dc4h7-1+c3h6=c4h8+ac3h5	1.00E+11	0.0	9800.0
799.	Dc4h7-1+c4h8=c4h8+Cc4h7-1	1.00E+11	0.0	8300.0
800.	Dc4h7-1+t2c4h8=c4h8+Cc4h7-1	2.00E+11	0.0	9800.0
801.	Dc4h7-1+c2c4h8=c4h8+Cc4h7-1	2.00E+11	0.0	9800.0
802.	c4h6+Dc4h7-1=nc4h5+c4h8	6.32E+02	3.1	20010.0
803.	c4h6+Dc4h7-1=ic4h5+c4h8	6.32E+02	3.1	18010.0
804.	Dc4h7-1+ho2=ac3h5+ch2o+oh	1.00E+12	0.0	0.0
805.	Dc4h7-1+ch3o2=ac3h5+ch3o+ch2o	1.00E+12	0.0	0.0
806.	Dc4h7-1+c2h5o2=ac3h5+c2h5o+ch2o	1.00E+12	0.0	0.0
807.	Cc4h7-1+o2=c4h6+ho2	1.02E+12	0.0	22654.0
808.	Cc4h7-1=c4h6+h	1.20E+14	0.0	49300.0
809.	Cc4h7-1=c2h4+c2h3	1.00E+14	0.0	49000.0
810.	Cc4h7-1+ho2=c4h6+h2o2	1.00E+12	0.0	0.0
811.	Cc4h7-1+oh=c4h6+h2o	4.00E+13	0.0	0.0
812.	Cc4h7-1+o=c4h6+oh	4.00E+13	0.0	0.0
813.	Cc4h7-1+h=c4h6+h2	3.16E+12	0.0	0.0
814.	Cc4h7-1+ch3=c4h6+ch4	1.00E+13	0.0	0.0
815.	Cc4h7-1+c2h3=c4h6+c2h4	4.00E+12	0.0	0.0
816.	Cc4h7-1+c2h5=c4h6+c2h6	4.00E+12	0.0	0.0
817.	Cc4h7-1+c2h5=c4h8+c2h4	5.00E+11	0.0	0.0
818.	Cc4h7-1+c2h5=t2c4h8+c2h4	5.00E+11	0.0	0.0
819.	Cc4h7-1+c2h5=c2c4h8+c2h4	5.00E+11	0.0	0.0
820.	Cc4h7-1+c3h3=c4h6+pc3h4	4.00E+12	0.0	0.0
821.	Cc4h7-1+c3h3=c4h6+ac3h4	4.00E+12	0.0	0.0
822.	Cc4h7-1+ac3h5=c4h6+c3h6	6.30E+12	0.0	0.0
823.	Cc4h7-1+ac3h5=c4h8+ac3h4	1.00E+12	0.0	0.0
824.	Cc4h7-1+ac3h5=>mhd	3.20E+11	0.0	0.0
825.	Cc4h7-1+Cc4h7-1=c4h6+c4h8	3.00E+12	0.0	0.0
826.	Cc4h7-1+ho2=>acrol+ch3+oh	7.00E+12	0.0	-1000.0
827.	Cc4h7-1+ho2=>ch3hco+c2h3+oh	7.00E+12	0.0	-1000.0
828.	Cc4h7-1+ch3o2=>acrol+ch3+ch3o	7.00E+12	0.0	-1000.0
829.	Cc4h7-1+c2h5o2=>acrol+ch3+c2h5o	7.00E+12	0.0	-1000.0
830.	c3h3+ch3=butyne	5.00E+12	0.0	0.0
831.	butyne+ho2=nc4h5+h2o2	5.00E+11	0.0	17000.0
832.	butyne+ho2=ic4h5+h2o2	5.00E+11	0.0	17000.0

833.	butyne+oh=nc4h5+h2o	2.60E+02	3.0	200.0
834.	butyne+oh=ic4h5+h2o	2.60E+02	3.0	200.0
835.	butyne+oh=ch2co+c2h5	4.00E-04	4.5	-1000.0
836.	butyne+o=c3h6+co	2.00E+13	0.0	1660.0
837.	butyne+h=ac3h4+ch3	1.30E+05	2.5	1000.0
838.	butyne+h=c2h5+c2h2	6.50E+04	2.5	1000.0
839.	butyne+h=ic4h5+h2	6.50E+13	0.0	9400.0
840.	butyne+h=nc4h5+h2	6.50E+13	0.0	9400.0
841.	butyne+ch3=ic4h5+ch4	1.00E+14	0.0	19500.0
842.	butyne+ch3=nc4h5+ch4	1.00E+14	0.0	19500.0
843.	butyn2=c4h6	3.00E+13	0.0	65000.0
844.	butyn2=meall	3.00E+13	0.0	67000.0
845.	butyn2+h=pc3h4+ch3	2.60E+05	2.5	1000.0
846.	butyne=meall	2.50E+13	0.0	65000.0
847.	meall=c4h6	2.50E+13	0.0	63000.0
848.	meall=c3h3+ch3	2.00E+15	0.0	75000.0
849.	meall+h=ac3h4+ch3	6.00E+12	0.0	2100.0
850.	meall+h=pc3h4+ch3	6.00E+12	0.0	2100.0
851.	meall+oh=ic4h5+h2o	2.00E+07	2.0	1000.0
852.	meall+h=ic4h5+h2	5.00E+07	2.0	5000.0
853.	ic3h7+c2h2=c4h6+ch3	2.77E+10	0.0	6504.0
854.	c4h6=c2h4+c2h2	1.00E+14	0.0	75000.0
855.	c4h6=nc4h5+h	1.58E+16	0.0	110000.0
856.	c4h6+o2=nc4h5+ho2	2.80E+13	0.0	62500.0
857.	c4h6+o2=ic4h5+ho2	1.40E+12	0.0	50600.0
858.	c4h6+ho2=nc4h5+h2o2	2.00E+11	0.0	12600.0
859.	c4h6+ho2=ic4h5+h2o2	1.00E+11	0.0	9920.0
860.	c4h6+oh=nc4h5+h2o	1.00E+07	2.0	7253.0
861.	c4h6+oh=ic4h5+h2o	8.00E+06	2.0	3744.0
862.	c4h6+o=ic4h5+oh	4.53E+15	-0.5	7028.0
863.	c4h6+o=nc4h5+oh	2.27E+15	-0.5	7028.0
864.	c4h6+h=pc3h4+ch3	1.30E+03	2.5	1000.0
865.	c4h6+h=ac3h4+ch3	1.00E+13	0.0	15000.0
866.	c4h6+h=nc4h5+h2	5.00E+15	0.0	22800.0
867.	c4h6+h=ic4h5+h2	2.50E+15	0.0	22800.0
868.	c4h6+ch3=nc4h5+ch4	2.00E+14	0.0	24800.0
869.	c4h6+ch3=ic4h5+ch4	4.00E+14	0.0	22800.0
870.	c4h6+c2h3=nc4h5+c2h4	6.32E+02	3.1	20010.0
871.	c4h6+c2h3=ic4h5+c2h4	6.32E+02	3.1	18010.0
872.	c4h6+Cc4h7-1=nc4h5+c4h8	6.32E+02	3.1	20010.0
873.	c4h6+Cc4h7-1=ic4h5+c4h8	6.32E+02	3.1	18010.0
874.	c4h6+oh=ch3hco+c2h3	5.60E+12	0.0	-900.0
875.	c4h6+o=>ac3h5hco	3.00E+13	0.0	80.0
876.	c4h6+ho2=>c4h6o2h	2.00E+11	0.0	8000.0
877.	hoc4h6=>ac3h5hco+h	5.00E+14	0.0	28000.0
878.	ac3h5hco=>c3h6+co	2.00E+13	0.0	57000.0
879.	ac3h5hco=>c2h4+ch2co	5.00E+14	1.0	78000.0
880.	ac3h5hco+o=>c2h3o+c2h3o	1.20E+08	1.4	530.0
881.	ac3h5hco+oh=>ch2co+c2h3+h2o	2.02E+13	0.0	5955.0
882.	ac3h5hco+ho2=>c2h3o+c2h3o+oh	5.00E+12	0.0	14964.0
883.	ac3h5hco+h=>ac3h5co+h2	4.10E+09	1.2	2405.0
884.	ac3h5hco+oh=>ac3h5co+h2o	2.35E+10	0.7	-1113.0
885.	ac3h5hco+ho2=>ac3h5co+h2o2	1.70E+12	0.0	10700.0
886.	ac3h5hco+o=>ac3h5co+oh	5.85E+12	0.0	1808.0
887.	ac3h5hco+ch3=>ac3h5co+ch4	1.70E+12	0.0	8440.0
888.	ac3h5hco+c2h3=>ac3h5co+c2h4	1.70E+12	0.0	8440.0
889.	ac3h5hco+ac3h5=>ac3h5co+c3h6	1.70E+12	0.0	8440.0
890.	ac3h5hco+oh=c2h3chcho+h2o	3.12E+06	2.0	-298.0
891.	ac3h5hco+ho2=c2h3chcho+h2o2	9.63E+03	2.6	13910.0
892.	ac3h5hco+ch3o2=c2h3chcho+ch3o2h	1.99E+12	0.0	17050.0
893.	c4h6o2h=>acrol+oh+ch2	1.00E+10	0.0	19500.0



894.	c4h6o2h=>ac3h5hco+oh	2.00E+11	0.0	19500.0
895.	ac3h5co+h=>ac3h5hco	5.00E+12	0.0	0.0
896.	ac3h5co+o2=>acrol+co+oh	1.00E+12	0.0	25000.0
897.	ac3h5co=>ch2co+c2h3	1.00E+15	0.0	65000.0
898.	ac3h5co=>co+c2h2+ch3	5.00E+14	0.0	65000.0
899.	ac3h5co=>ac3h5+co	6.20E+15	-1.1	-330.0
900.	c2h3chcho+o=acrol+hco	2.00E+14	0.0	0.0
901.	c2h3chcho+ho2=oh+acrol+hco	2.00E+14	0.0	0.0
902.	c2h3+c2h3=ic4h5+h	7.00E+13	0.0	0.0
903.	ic4h5+h=ch3+c3h3	1.00E+14	0.0	0.0
904.	ic4h5+o2=c2h3co+ch2o	2.00E+11	0.0	14000.0
905.	ic4h5+o=>ch2co+c2h3	1.00E+13	0.0	2000.0
906.	ic4h5+ho2=ch2co+c2h3+oh	1.00E+12	0.0	2000.0
907.	ic4h5+ho2=>ac3h5co+oh	1.00E+13	0.0	2000.0
908.	c3h6+ic4h5=ac3h5+c4h6	1.00E+11	0.0	9800.0
909.	ic4h5+c2h2=c4h6+c2h	1.80E+11	0.0	17300.0
910.	ic4h5+ch2o=c4h6+hco	4.00E+12	0.0	8840.0
911.	nc4h5=c2h3+c2h2	5.00E+13	0.0	44000.0
912.	nc4h5+o2=acrol+hco	2.00E+11	0.0	14000.0
913.	nc4h5+o=>ac3h5+co	1.00E+13	0.0	2000.0
914.	nc4h5+oh=c4h4+h2o	2.00E+07	2.0	1000.0
915.	nc4h5+ho2=>ac3h5+co+oh	1.00E+13	0.0	0.0
916.	nc4h5+h=c4h4+h2	1.00E+14	0.0	0.0
917.	nc4h5+h=ic4h5+h	1.00E+14	0.0	0.0
918.	nc4h5+c2h2=c4h6+c2h	1.80E+11	0.0	17300.0
919.	nc4h5+ch2o=c4h6+hco	4.00E+12	0.0	8840.0
920.	c3h6+nc4h5=ac3h5+c4h6	1.00E+11	0.0	9800.0
921.	c4h4=c2h2+c2h2	3.20E+13	0.0	77100.0
922.	c4h4+m=nc4h3+h+m	1.00E+20	0.0	99300.0
923.	c4h4=ic4h3+h	6.30E+13	0.0	87100.0
924.	c4h4=c4h2+h2	1.26E+15	0.0	94700.0
925.	c4h4+o2=nc4h3+ho2	1.00E+13	0.0	63200.0
926.	c4h4+o2=ic4h3+ho2	1.00E+13	0.0	44640.0
927.	c4h4+ho2=nc4h3+h2o2	2.00E+11	0.0	12600.0
928.	c4h4+ho2=ic4h3+h2o2	1.00E+11	0.0	9920.0
929.	c4h4+ho2=c3h3+hco+oh	4.00E+11	0.0	8000.0
930.	c4h4+oh=ic4h3+h2o	2.00E+07	2.0	2000.0
931.	c4h4+oh=nc4h3+h2o	7.50E+06	2.0	5000.0
932.	c4h4+o=ac3h4+co	3.00E+13	0.0	1810.0
933.	c4h4+h=ic4h3+h2	3.33E+05	2.5	9240.0
934.	c4h4+h=nc4h3+h2	2.00E+07	2.0	15000.0
935.	c4h4+c2h=ic4h3+c2h2	3.98E+13	0.0	0.0
936.	c4h4+ch3=ic4h3+ch4	1.66E+01	3.7	9499.0
937.	c4h4+nc4h5=ic4h3+c4h6	4.00E+11	0.0	5000.0
938.	c4h4+ic4h5=ic4h3+c4h6	4.00E+11	0.0	5000.0
939.	c2h2+c2h2=ic4h3+h	6.31E+13	0.0	41600.0
940.	ic4h3+o2=ch2co+hcco	1.00E+12	0.0	0.0
941.	ic4h3+oh=c4h2+h2o	3.00E+13	0.0	0.0
942.	ic4h3+o=ch2co+c2h	2.00E+13	0.0	0.0
943.	ic4h3+o=h2c4o+h	2.00E+13	0.0	0.0
944.	ic4h3+h=c4h2+h2	5.00E+13	0.0	0.0
945.	ic4h3+ch2=ac3h4+c2h	2.00E+13	0.0	0.0
946.	nc4h3+oh=c4h2+h2o	3.00E+13	0.0	0.0
947.	nc4h3+h=c4h2+h2	5.00E+13	0.0	0.0
948.	nc4h3+h=ic4h3+h	1.00E+14	0.0	0.0
949.	h2c4o+oh=ch2co+hcco	1.00E+07	2.0	2000.0
950.	h2c4o+h=c2h2+hcco	5.00E+13	0.0	3000.0
951.	c2h2+c2h=c4h2+h	1.82E+14	0.0	467.0
952.	c4h2+m=c4h+h+m	3.50E+17	0.0	80065.0
953.	c4h2+oh=h2c4o+h	6.66E+12	0.0	-410.0
954.	c4h2+o=c3h2+co	1.20E+12	0.0	0.0

955.	c4h+o2=c2h+co+co	1.00E+14	0.0	0.0
956.	nc3h7hco+o2=c3h7co+ho2	2.00E+13	0.5	42200.0
957.	nc3h7hco+oh=c3h7co+h2o	1.00E+13	0.0	0.0
958.	nc3h7hco+h=c3h7co+h2	4.00E+13	0.0	4200.0
959.	nc3h7hco+o=c3h7co+oh	5.00E+12	0.0	1790.0
960.	nc3h7hco+ho2=c3h7co+h2o2	2.80E+12	0.0	13600.0
961.	nc3h7hco+ch3=c3h7co+ch4	1.70E+12	0.0	8440.0
962.	nc3h7hco+ch3o=c3h7co+ch3oh	1.15E+11	0.0	1280.0
963.	nc3h7hco+ch3o2=c3h7co+ch3o2h	1.00E+12	0.0	9500.0
964.	nc3h7hco+oh=c3h6cho-1+h2o	5.27E+09	1.0	1586.0
965.	nc3h7hco+ho2=c3h6cho-1+h2o2	9.03E-01	3.6	7153.0
966.	nc3h7hco+ch3o2=c3h6cho-1+ch3o2h	6.03E+12	0.0	19380.0
967.	nc3h7hco+oh=ch3chch2hco+h2o	4.67E+07	1.6	-35.0
968.	nc3h7hco+ho2=ch3chch2hco+h2o2	1.47E+04	2.6	13910.0
969.	nc3h7hco+ch3o2=ch3chch2hco+ch3o2h	9.63E+03	2.6	13910.0
970.	c3h7co=nc3h7+co	5.32E+15	-0.9	13400.0
971.	c2h4+ch2hco=c3h6cho-1	2.11E+11	0.0	7350.0
972.	c3h6cho-1+o2=ac3h5hco+ho2	3.80E+10	0.0	-2000.0
973.	ch3chch2hco+o2=ac3h5hco+ho2	7.59E+09	0.0	-2000.0
974.	ch3chch2hco=c3h6+hco	8.25E+12	-0.2	21900.0
	Reverse Arrhenius coefficients:	1.00E+11	0.0	6000.0
975.	mvk+oh=>ch2o+ch2coch3	1.40E+12	0.0	-900.0
976.	mvk+oh=>ch3+ch3cocho	1.40E+12	0.0	-900.0
977.	c2h3+ch2co=ch2coc2h3	2.11E+11	0.0	7350.0
978.	c2h5+nc3h7=nc5h12	5.20E+12	0.0	0.0
979.	nc5h12+h=h2+ch3+2c2h4	2.70E+07	2.0	5000.0
980.	nc5h12+oh=h2o+ch3+2c2h4	7.80E+06	2.0	-765.0
981.	nc5h12+ho2=h2o2+ch3+2c2h4	1.20E+12	0.0	15500.0
982.	nc5h12+ch3=ch4+ch3+2c2h4	6.00E+11	0.0	9600.0
983.	nc5h12+ch3o2=ch3o2h+ch3+2c2h4	4.50E+12	0.0	17500.0
984.	nc5h12+c2h5=c2h6+ch3+2c2h4	6.00E+11	0.0	11000.0
985.	nc5h12+o=oh+ch3+2c2h4	3.40E+07	1.8	550.0
986.	nc5h12+o2cho=Ac5h11+ho2cho	1.68E+13	0.0	20440.0
987.	nc5h12+o2cho=Bc5h11+ho2cho	1.12E+13	0.0	17690.0
988.	nc5h12+o2cho=Cc5h11+ho2cho	5.60E+12	0.0	17690.0
989.	Ac5h11=nc3h7+c2h4	4.50E+13	0.0	28700.0
990.	Bc5h11=c2h5+c3h6	4.50E+13	0.0	29700.0
991.	Cc5h11=ch3+c4h8	4.20E+13	0.0	31000.0
992.	Ac5h11=h+c5h10	3.41E+15	-0.7	36589.0
993.	Bc5h11=h+c5h10	6.76E+12	0.1	37652.0
994.	Bc5h11=h+c2c5h10	2.22E+15	-0.7	37356.0
995.	Bc5h11=h+t2c5h10	1.14E+15	-0.7	36161.0
996.	Cc5h11=h+c2c5h10	4.44E+15	-0.7	37310.0
997.	Cc5h11=h+t2c5h10	2.28E+15	-0.7	36114.0
998.	Ac5h11+o2=c5h10+ho2	1.50E-19	0.0	5000.0
999.	Bc5h11+o2=c2c5h10+ho2	1.00E+11	0.0	5020.0
1000.	Bc5h11+o2=t2c5h10+ho2	2.00E+11	0.0	5020.0
1001.	Bc5h11+o2=c5h10+ho2	2.00E+11	0.0	5020.0
1002.	Cc5h11+o2=c2c5h10+ho2	3.58E+09	0.0	-3532.0
1003.	Cc5h11+o2=t2c5h10+ho2	3.58E+09	0.0	-3532.0
1004.	Ac5h11=Bc5h11	1.00E+12	0.0	22515.0
	Reverse Arrhenius coefficients:	3.00E+11	0.0	23906.0
1005.	Ac5h11=Cc5h11	3.00E+11	0.0	24045.0
	Reverse Arrhenius coefficients:	1.00E+11	0.0	25436.0
1006.	Ac5h11+ho2=>ch2o+pc4h9+oh	1.00E+13	0.0	0.0
1007.	Ac5h11+o=ch2o+pc4h9	1.61E+13	0.0	0.0
1008.	Ac5h11+o2=ch2o+oh+c4h8	2.10E+11	0.0	6158.0
1009.	Bc5h11+ho2=>ch3hco+oh+nc3h7	1.00E+13	0.0	0.0
1010.	Bc5h11+o=ch3hco+nc3h7	1.61E+13	0.0	0.0
1011.	Bc5h11+o2=>oh+ch3hco+c3h6	2.10E+11	0.0	6158.0
1012.	Cc5h11+ho2=>oh+ethco+c2h5	1.00E+13	0.0	0.0

1013.	Cc5h11+o=ethco+c2h5	1.61E+13	0.0	0.0
1014.	Cc5h11+o2=>oh+ethco+c2h4	2.10E+11	0.0	6158.0
1015.	c5h10=c2h5+ac3h5	9.17E+20	-1.6	73990.0
1016.	c5h10+ch3=nc3h7+c3h6	9.60E+10	0.0	8000.0
1017.	c2c5h10+ch3=>c2h5+c4h8	1.70E+11	0.0	7400.0
1018.	t2c5h10+ch3=>c2h5+c4h8	1.70E+11	0.0	7400.0
1019.	c5h10+oh=pc4h9+ch2o	1.00E+11	0.0	0.0
1020.	c5h10+oh=nc3h7+ch3hco	1.00E+11	0.0	0.0
1021.	c2c5h10+oh=>ch3+nc3h7hco	1.00E+12	0.0	0.0
1022.	t2c5h10+oh=>ch3+nc3h7hco	1.00E+12	0.0	0.0
1023.	c2c5h10+oh=>ch2o+pc4h9	1.00E+12	0.0	0.0
1024.	t2c5h10+oh=>ch2o+pc4h9	1.00E+12	0.0	0.0
1025.	c5h10+o=pc4h9+hco	1.00E+11	0.0	0.0
1026.	c5h10+o=nc3h7+ch3co	1.00E+11	0.0	0.0
1027.	c2c5h10+o=>ch2co+ch3+h+c2h4	3.40E+07	1.8	550.0
1028.	t2c5h10+o=>ch2co+ch3+h+c2h4	3.40E+07	1.8	550.0
1029.	c5h10+h=h2+Cc5h9-1	5.40E+04	2.5	-1900.0
1030.	c5h10+oh=h2o+Cc5h9-1	2.25E+13	0.0	2217.0
1031.	c5h10+ho2=Cc5h9-1+h2o2	6.80E+03	2.5	10115.0
1032.	c5h10+ch3=ch4+Cc5h9-1	1.00E+11	0.0	7300.0
1033.	c5h10+ch3o2=ch3o2h+Cc5h9-1	1.00E+12	0.0	14550.0
1034.	c5h10+c2h5=c2h6+Cc5h9-1	4.40E+00	3.5	4140.0
1035.	c5h10+o=oh+Cc5h9-1	8.80E+10	0.7	3250.0
1036.	c5h10+h=Dc5h9-1+h2	9.00E+06	2.0	5000.0
1037.	c5h10+oh=Dc5h9-1+h2o	1.00E+06	2.0	-597.0
1038.	c5h10+ho2=Dc5h9-1+h2o2	2.00E+04	2.5	14208.0
1039.	c5h10+h=Ec5h9-1+h2	2.85E+07	2.0	7700.0
1040.	c5h10+oh=Ec5h9-1+h2o	7.05E+06	1.8	974.0
1041.	c5h10+ho2=Ec5h9-1+h2o2	1.80E+04	2.5	16683.0
1042.	sc3h5+c2h5=c2c5h10	1.00E+13	0.0	0.0
1043.	sc3h5+c2h5=t2c5h10	1.00E+13	0.0	0.0
1044.	Cc5h9-1=c4h6+ch3	6.50E+12	0.0	38200.0
1045.	Dc5h9-1=c5h8-13+h	3.20E+13	0.0	34800.0
1046.	Ec5h9-1=ac3h5+c2h4	3.30E+13	0.0	22500.0
1047.	Cc5h9-1+h=c5h10	1.00E+13	0.0	0.0
1048.	Cc5h9-1+h=c2c5h10	1.00E+13	0.0	0.0
1049.	Cc5h9-1+h=t2c5h10	1.00E+13	0.0	0.0
1050.	Cc5h9-1=c5h8-13+h	1.50E+13	0.0	50500.0
1051.	Cc5h9-1+o2=c5h8-13+ho2	5.90E+05	0.0	0.0
1052.	Cc5h9-1+ho2=>acrol+c2h5+oh	7.00E+12	0.0	-1000.0
1053.	Cc5h9-1+ho2=>ethco+c2h3+oh	7.00E+12	0.0	-1000.0
1054.	Cc5h9-1+h=c5h8-13+h2	3.16E+13	0.0	0.0
1055.	Cc5h9-1+ch3=c5h8-13+ch4	1.00E+13	0.0	0.0
1056.	Cc5h9-1+c2h3=c5h8-13+c2h4	4.00E+12	0.0	0.0
1057.	Cc5h9-1+c2h5=c5h8-13+c2h6	4.00E+12	0.0	0.0
1058.	Cc5h9-1+ac3h5=c5h8-13+c3h6	1.33E+12	0.0	0.0
1059.	nc4h5+ch3=c5h8-13	2.00E+13	0.0	0.0
1060.	sc3h5+c2h3=c5h8-13	1.00E+13	0.0	0.0
1061.	ac3h5+c2h3=c5h8-13	1.00E+13	0.0	0.0
1062.	ic4h5+ch3=c5h8-13	4.80E+37	-7.6	11359.0
1063.	c5h8-13+o2=acrol+ch3hco	2.00E+08	1.5	30200.0
1064.	c5h8-13+ho2=>acrol+c2h4+oh	5.00E+11	0.0	19000.0
1065.	c5h8-13+ho2=>c4h6+ch2o+oh	5.00E+11	0.0	19000.0
1066.	c5h8-13+oh=ch3hco+ac3h5	6.00E+12	0.0	-393.0
1067.	c5h8-13+oh=ch2o+Cc4h7-1	6.00E+12	0.0	-393.0
1068.	c5h8-13+o=acrol+c2h4	4.50E+08	1.4	-858.0
1069.	c5h8-13+o=ch2o+c4h6	4.50E+08	1.4	-858.0
1070.	c5h8-13+h=c5h7+h2	7.00E+06	2.0	0.0
1071.	c5h8-13+h=ac3h5+c2h4	3.35E+08	1.5	2000.0
1072.	c5h8-13+oh=c5h7+h2o	7.00E+06	2.0	0.0
1073.	c5h8-13+ho2=c5h7+h2o2	2.00E+11	0.0	12600.0

1074.	c5h8-13+ch3=c5h7+ch4	2.00E+14	0.0	22800.0
1075.	c5h8-14+oh=c5h7+h2o	3.00E+06	2.0	-1520.0
1076.	c5h8-14+h=c5h7+h2	5.50E+04	2.5	-1900.0
1077.	c5h8-14+o=c5h7+oh	9.00E+10	0.7	3250.0
1078.	c5h8-14+ho2=c5h7+h2o2	7.50E+03	2.6	12400.0
1079.	c5h8-14+ch3=c5h7+ch4	1.00E+11	0.0	7300.0
1080.	c5h7+o=acrol+c2h3	2.00E+14	0.0	0.0
1081.	c5h7+h=c5h8-13	1.00E+14	0.0	0.0
1082.	c5h7=CPD+h	2.00E+11	0.0	18000.0
1083.	c5h7+cyc6h12=c5h8-13+cyc6h11	1.00E+12	0.0	10000.0
1084.	nc4h9hco+o2=nc4h9co+ho2	2.00E+13	0.5	42200.0
1085.	nc4h9hco+oh=nc4h9co+h2o	1.00E+13	0.0	0.0
1086.	nc4h9hco+h=nc4h9co+h2	4.00E+13	0.0	4200.0
1087.	nc4h9hco+o=nc4h9co+oh	5.00E+12	0.0	1790.0
1088.	nc4h9hco+ho2=nc4h9co+h2o2	2.80E+12	0.0	13600.0
1089.	nc4h9hco+ch3=nc4h9co+ch4	1.70E+12	0.0	8440.0
1090.	nc4h9hco+ch3o=nc4h9co+ch3oh	1.15E+11	0.0	1280.0
1091.	nc4h9hco+ch3o2=nc4h9co+ch3o2h	1.00E+12	0.0	9500.0
1092.	nc4h9co+M=co+pc4h9+M	8.64E+15	0.0	14400.0
1093.	nc4h9co+ho2=>co2+oh+pc4h9	2.00E+13	0.0	0.0
1094.	Dc5h9-2+h=c2c5h10	1.00E+13	0.0	0.0
1095.	Dc5h9-2+h=t2c5h10	1.00E+13	0.0	0.0
1096.	Dc5h9-2=c5h8-13+h	1.20E+14	0.0	49300.0
1097.	Dc5h9-2+o2=c5h8-13+ho2	1.00E+11	0.0	0.0
1098.	Dc5h9-2+ho2=>ch3hco+sc3h5+oh	1.00E+13	0.0	0.0
1099.	Dc5h9-2+h=c5h8-13+h2	3.16E+12	0.0	0.0
1100.	Dc5h9-2+ch3=c5h8-13+ch4	1.00E+13	0.0	0.0
1101.	Dc5h9-2+c2h3=c5h8-13+c2h4	4.00E+12	0.0	0.0
1102.	Dc5h9-2+c2h5=c5h8-13+c2h6	4.00E+12	0.0	0.0
1103.	Dc5h9-2+ac3h5=c5h8-13+c3h6	4.00E+12	0.0	0.0
1104.	Dc5h9-2+Cc4h7-1=c5h8-13+c4h8	3.16E+12	0.0	0.0
1105.	Ac5h9-1=cyc5h8+h	2.28E+11	0.0	18277.0
1106.	Ac5h9-1+ho2=>nc3h7+ch2co+oh	5.00E+12	0.0	8000.0
1107.	Ec5h9-1=cyc5h8+h	6.90E-03	0.0	-4213.0
1108.	isoph=isope+h	1.00E+14	0.0	44000.0
1109.	isoph=c2h4+tc3h5	5.00E+13	0.0	38000.0
1110.	isope+ho2=isopy+h2o2	2.00E+05	2.6	13910.0
1111.	isope+oh=isopy+h2o	2.00E+07	2.0	5000.0
1112.	c4h4+ch3=isopy	2.50E+13	0.0	0.0
1113.	isopy=c2h3+ac3h4	2.00E+13	0.0	48700.0
1114.	isopy+o2=ch2o+ch2coc2h3	3.08E+09	0.4	16910.0
1115.	c6h14=nc3h7+nc3h7	7.36E+28	-3.0	93270.0
1116.	c6h14=c2h5+pc4h9	2.75E+29	-3.3	92039.0
1117.	c6h14=ch3+Ac5h11	3.83E+24	-1.9	93137.0
1118.	c6h14=h+Ac6h13	7.93E+18	-0.4	104311.0
1119.	c6h14=h+Bc6h13	1.14E+19	-0.4	102069.0
1120.	c6h14=h+Cc6h13	1.37E+19	-0.4	102119.0
1121.	c6h14+o2=ho2+Ac6h13	4.00E+13	0.0	50870.0
1122.	c6h14+o2=ho2+Bc6h13	8.00E+13	0.0	47690.0
1123.	c6h14+o2=ho2+Cc6h13	8.00E+13	0.0	47690.0
1124.	c6h14+oh=h2o+Ac6h13	1.05E+10	1.0	1590.0
1125.	c6h14+oh=h2o+Bc6h13	9.36E+07	1.6	-35.0
1126.	c6h14+oh=h2o+Cc6h13	9.36E+07	1.6	-35.0
1127.	c6h14+ho2=h2o2+Ac6h13	3.60E+04	2.5	16683.0
1128.	c6h14+ho2=h2o2+Bc6h13	4.00E+04	2.5	14208.0
1129.	c6h14+ho2=h2o2+Cc6h13	4.00E+04	2.5	14208.0
1130.	c6h14+h=h2+Ac6h13	5.70E+07	2.0	7700.0
1131.	c6h14+h=h2+Bc6h13	1.80E+07	2.0	5000.0
1132.	c6h14+h=h2+Cc6h13	1.80E+07	2.0	5000.0
1133.	o+c6h14=oh+Ac6h13	1.00E+14	0.0	7850.0
1134.	o+c6h14=oh+Bc6h13	5.20E+13	0.0	5200.0

1135.	$\text{o}+\text{c6h14}=\text{oh}+\text{Cc6h13}$	5.20E+13	0.0	5200.0
1136.	$\text{c6h14}+\text{ch3}=\text{ch4}+\text{Ac6h13}$	6.00E-01	4.0	8200.0
1137.	$\text{c6h14}+\text{ch3}=\text{ch4}+\text{Bc6h13}$	4.00E+11	0.0	9600.0
1138.	$\text{c6h14}+\text{ch3}=\text{ch4}+\text{Cc6h13}$	4.00E+11	0.0	9600.0
1139.	$\text{c6h14}+\text{c2h5}=\text{c2h6}+\text{Ac6h13}$	6.00E+11	0.0	13500.0
1140.	$\text{c6h14}+\text{c2h5}=\text{c2h6}+\text{Bc6h13}$	4.00E+11	0.0	11000.0
1141.	$\text{c6h14}+\text{c2h5}=\text{c2h6}+\text{Cc6h13}$	4.00E+11	0.0	11000.0
1142.	$\text{c6h14}+\text{hco}=\text{ch2o}+\text{Ac6h13}$	2.00E+05	2.5	18500.0
1143.	$\text{c6h14}+\text{hco}=\text{ch2o}+\text{Bc6h13}$	2.20E+07	1.9	17000.0
1144.	$\text{c6h14}+\text{hco}=\text{ch2o}+\text{Cc6h13}$	2.20E+07	1.9	17000.0
1145.	$\text{c6h14}+\text{ch3o}=\text{ch3oh}+\text{Ac6h13}$	3.20E+11	0.0	7300.0
1146.	$\text{c6h14}+\text{ch3o}=\text{ch3oh}+\text{Bc6h13}$	2.90E+11	0.0	4500.0
1147.	$\text{c6h14}+\text{ch3o}=\text{ch3oh}+\text{Cc6h13}$	2.90E+11	0.0	4500.0
1148.	$\text{c6h14}+\text{ch2oh}=\text{ch3oh}+\text{Ac6h13}$	2.00E+02	3.0	14000.0
1149.	$\text{c6h14}+\text{ch2oh}=\text{ch3oh}+\text{Bc6h13}$	1.20E+02	3.0	12000.0
1150.	$\text{c6h14}+\text{ch2oh}=\text{ch3oh}+\text{Cc6h13}$	1.20E+02	3.0	12000.0
1151.	$\text{c6h14}+\text{ch3o2}=\text{ch3o2h}+\text{Ac6h13}$	1.20E+13	0.0	20000.0
1152.	$\text{c6h14}+\text{ch3o2}=\text{ch3o2h}+\text{Bc6h13}$	6.00E+12	0.0	17500.0
1153.	$\text{c6h14}+\text{ch3o2}=\text{ch3o2h}+\text{Cc6h13}$	6.00E+12	0.0	17500.0
1154.	$\text{c6h14}+\text{ch2hco}=\text{ch3hco}+\text{Ac6h13}$	6.00E+11	0.0	13700.0
1155.	$\text{c6h14}+\text{ch2hco}=\text{ch3hco}+\text{Bc6h13}$	4.00E+11	0.0	11400.0
1156.	$\text{c6h14}+\text{ch2hco}=\text{ch3hco}+\text{Cc6h13}$	4.00E+11	0.0	11400.0
1157.	$\text{c6h14}+\text{ch3co}=\text{ch3hco}+\text{Ac6h13}$	3.00E+11	0.0	15000.0
1158.	$\text{c6h14}+\text{ch3co}=\text{ch3hco}+\text{Bc6h13}$	2.00E+11	0.0	12700.0
1159.	$\text{c6h14}+\text{ch3co}=\text{ch3hco}+\text{Cc6h13}$	2.00E+11	0.0	12700.0
1160.	$\text{c6h14}+\text{nc3h7}=\text{c3h8}+\text{Ac6h13}$	6.00E+11	0.0	13700.0
1161.	$\text{c6h14}+\text{nc3h7}=\text{c3h8}+\text{Bc6h13}$	4.00E+11	0.0	11400.0
1162.	$\text{c6h14}+\text{nc3h7}=\text{c3h8}+\text{Cc6h13}$	4.00E+11	0.0	11400.0
1163.	$\text{c6h14}+\text{pc4h9}=\text{c4h10}+\text{Ac6h13}$	6.00E+11	0.0	13700.0
1164.	$\text{c6h14}+\text{pc4h9}=\text{c4h10}+\text{Bc6h13}$	4.00E+11	0.0	11400.0
1165.	$\text{c6h14}+\text{pc4h9}=\text{c4h10}+\text{Cc6h13}$	4.00E+11	0.0	11400.0
1166.	$\text{c6h14}+\text{Ac5h11}=\text{nc5h12}+\text{Ac6h13}$	6.00E+11	0.0	13700.0
1167.	$\text{c6h14}+\text{Ac5h11}=\text{nc5h12}+\text{Bc6h13}$	4.00E+11	0.0	11400.0
1168.	$\text{c6h14}+\text{Ac5h11}=\text{nc5h12}+\text{Cc6h13}$	4.00E+11	0.0	11400.0
1169.	$\text{c6h14}+\text{Ac6h13}=\text{c6h14}+\text{Bc6h13}$	4.00E+11	0.0	11400.0
1170.	$\text{c6h14}+\text{Ac6h13}=\text{c6h14}+\text{Cc6h13}$	4.00E+11	0.0	11400.0
1171.	$\text{c6h14}+\text{Bc6h13}=\text{c6h14}+\text{Cc6h13}$	4.00E+11	0.0	12400.0
1172.	$\text{c6h14}+\text{o2cho}=\text{Ac6h13}+\text{ho2cho}$	1.68E+13	0.0	20440.0
1173.	$\text{c6h14}+\text{o2cho}=\text{Bc6h13}+\text{ho2cho}$	1.12E+13	0.0	17690.0
1174.	$\text{c6h14}+\text{o2cho}=\text{Cc6h13}+\text{ho2cho}$	1.12E+13	0.0	17690.0
1175.	$\text{Ac6h13}=\text{pc4h9}+\text{c2h4}$	1.02E+12	0.3	27276.0
1176.	$\text{Bc6h13}=\text{nc3h7}+\text{c3h6}$	4.47E+11	0.6	28047.0
1177.	$\text{Cc6h13}=\text{c2h5}+\text{c4h8}$	3.55E+12	0.3	28246.0
1178.	$\text{Cc6h13}=\text{ch3}+\text{c5h10}$	8.13E+10	0.8	29651.0
1179.	$\text{Ac6h13}=\text{h}+\text{c6h12}-1$	1.39E+16	-0.9	36837.0
1180.	$\text{Bc6h13}=\text{h}+\text{c6h12}-1$	1.63E+16	-0.8	37690.0
1181.	$\text{Bc6h13}=\text{h}+\text{c6h12}-2$	8.76E+15	-1.2	37213.0
1182.	$\text{Cc6h13}=\text{h}+\text{c6h12}-2$	7.33E+15	-1.2	37163.0
1183.	$\text{Cc6h13}=\text{h}+\text{c6h12}-3$	7.33E+15	-1.2	37163.0
1184.	$\text{Ac6h13}+\text{o2}=\text{c6h12}-1+\text{ho2}$	1.90E+12	0.0	5000.0
1185.	$\text{Bc6h13}+\text{o2}=\text{c6h12}-1+\text{ho2}$	1.80E+10	0.0	-2000.0
1186.	$\text{Bc6h13}+\text{o2}=\text{c6h12}-2+\text{ho2}$	1.80E+10	0.0	-2000.0
1187.	$\text{Cc6h13}+\text{o2}=\text{c6h12}-2+\text{ho2}$	1.80E+10	0.0	-2000.0
1188.	$\text{Cc6h13}+\text{o2}=\text{c6h12}-3+\text{ho2}$	1.80E+10	0.0	-2000.0
1189.	$\text{Ac6h13}=\text{Bc6h13}$	1.82E+02	2.5	10961.0
	Reverse Arrhenius coefficients:	1.70E+01	2.9	13380.0
1190.	$\text{Ac6h13}=\text{Cc6h13}$	6.92E+00	3.2	16559.0
	Reverse Arrhenius coefficients:	7.08E+00	3.2	18938.0
1191.	$\text{c6h12}-1=\text{nc3h7}+\text{ac3h5}$	2.50E+16	0.0	70000.0
1192.	$\text{c2h3}+\text{pc4h9}=\text{c6h12}-1$	1.00E+13	0.0	0.0
1193.	$\text{c6h12}-1=\text{c3h6}+\text{c3h6}$	4.00E+12	0.0	57430.0

1194.	Cc6h11-1+h=c6h12-1	1.00E+13	0.0	0.0
1195.	c6h12-1=Dc4h7-1+c2h5	1.31E+23	-1.9	87446.0
1196.	c6h12-1=Ec5h9-1+ch3	9.65E+21	-1.5	89648.0
1197.	c6h12-1+oh=Ac5h11+ch2o	1.00E+11	0.0	-4000.0
1198.	c6h12-1+o=Ac5h11+hco	1.00E+11	0.0	-1050.0
1199.	c6h12-1+o2=Cc6h11-1+ho2	4.00E+12	0.0	40000.0
1200.	c6h12-1+ho2=h2o2+Cc6h11-1	6.80E+03	2.5	10115.0
1201.	c6h12-1+o=oh+Cc6h11-1	4.00E+13	0.0	4000.0
1202.	c6h12-1+h=h2+Cc6h11-1	6.55E+12	0.0	4445.0
1203.	c6h12-1+oh=h2o+Cc6h11-1	6.00E+13	0.0	1230.0
1204.	c6h12-1+ch3=ch4+Cc6h11-1	2.00E+11	0.0	6800.0
1205.	c6h12-1+c2h3=c2h4+Cc6h11-1	2.00E+11	0.0	6800.0
1206.	c6h12-1+nc3h7=c3h8+Cc6h11-1	1.00E+11	0.0	8300.0
1207.	c6h12-1+oh=h2o+ch3+c5h8-14	1.12E+06	2.0	-1391.0
1208.	c6h12-1+oh=h2o+ac3h5+c3h6	1.00E+06	2.0	-597.0
1209.	c6h12-1+o2=ho2+Fc6h11-1	2.10E+13	0.0	51300.0
1210.	c6h12-1+oh=h2o+Fc6h11-1	7.05E+06	1.8	974.0
1211.	c6h12-2+o2=Cc6h11-1+ho2	1.95E+12	0.0	39000.0
1212.	c6h12-2+ho2=Cc6h11-1+h2o2	1.50E+11	0.0	14190.0
1213.	c6h12-2+oh=Cc6h11-1+h2o	7.70E+05	2.2	622.0
1214.	c6h12-2+o=Cc6h11-1+oh	1.75E+11	0.7	5884.0
1215.	c6h12-2+h=Cc6h11-1+h2	6.46E+12	0.0	4445.0
1216.	c6h12-2+ch3=Cc6h11-1+ch4	1.60E+11	0.0	8800.0
1217.	c6h12-2+c2h5=Cc6h11-1+c2h6	1.00E+11	0.0	9800.0
1218.	c6h12-2+c2h3=Cc6h11-1+c2h4	2.21E+00	3.5	4682.0
1219.	c6h12-2+ho2=h2o2+Bc6h11-3	1.00E+11	0.0	17060.0
1220.	c6h12-2+o=oh+Bc6h11-3	4.00E+13	0.0	4000.0
1221.	c6h12-2+h=h2+Bc6h11-3	6.55E+12	0.0	4445.0
1222.	c6h12-2+oh=h2o+Bc6h11-3	4.19E+06	2.0	-543.0
1223.	c6h12-2+ch3=ch4+Bc6h11-3	2.00E+11	0.0	6800.0
1224.	c6h12-2+c2h3=c2h4+Bc6h11-3	2.00E+11	0.0	6800.0
1225.	c6h12-2+nc3h7=c3h8+Bc6h11-3	2.00E+11	0.0	8300.0
1226.	c6h12-3+ho2=h2o2+Bc6h11-3	2.00E+11	0.0	17060.0
1227.	c6h12-3+o=oh+Bc6h11-3	8.00E+13	0.0	4000.0
1228.	c6h12-3+h=h2+Bc6h11-3	1.31E+13	0.0	4445.0
1229.	c6h12-3+oh=h2o+Bc6h11-3	8.37E+06	2.0	-543.0
1230.	c6h12-3+ch3=ch4+Bc6h11-3	4.00E+11	0.0	6800.0
1231.	c6h12-3+c2h3=c2h4+Bc6h11-3	4.00E+11	0.0	6800.0
1232.	c6h12-3+nc3h7=c3h8+Bc6h11-3	4.00E+11	0.0	8300.0
1233.	Fc6h11-1=Cc6h11-1	1.00E+12	0.0	29880.0
1234.	Cc6h11-1=c2h5+c4h6	4.00E+10	0.0	38250.0
1235.	Cc6h11-1=c5h8-13+ch3	1.00E+12	0.0	50000.0
1236.	Cc6h11-1+ho2=>nc3h7+acrol+oh	1.00E+12	0.0	8000.0
1237.	Fc6h11-1=c2h4+Dc4h7-1	1.00E+12	0.0	35000.0
1238.	Fc6h11-1=cyc6h11	1.00E+08	0.9	5900.0
1239.	c2h4+Ac4h7-1=Ac6h11-3	2.00E+11	0.0	2010.0
1240.	Bc6h11-3=c5h8-13+ch3	2.00E+13	0.0	42320.0
1241.	ac3h5+ac3h5=c6h10-15	1.02E+13	0.0	-263.0
1242.	Cc4h7-1+c2h3=c6h10-15	1.00E+12	0.0	0.0
1243.	c6h10-15+o2=c6h9+ho2	1.00E+11	0.0	25050.0
1244.	c6h10-15+ho2=c6h9+h2o2	1.64E+11	0.0	12583.0
1245.	c6h10-15+oh=c6h9+h2o	5.60E+12	0.0	861.0
1246.	c6h10-15+h=c6h9+h2	1.00E+14	0.0	3900.0
1247.	c6h10-15+ch3=c6h9+ch4	2.50E+11	0.0	8300.0
1248.	c6h10-15+c2h5=c6h9+c2h6	1.00E+11	0.0	8300.0
1249.	c6h10-15+c2h3=c6h9+c2h4	6.30E+12	0.0	13000.0
1250.	c6h10-15+ac3h5=c6h9+c3h6	1.00E+12	0.0	10500.0
1251.	c6h10-13=c2h2+c4h8	1.00E+14	0.0	75000.0
1252.	c5h11hco+o2=c5h11co+ho2	2.00E+13	0.5	42200.0
1253.	c5h11hco+oh=c5h11co+h2o	1.00E+13	0.0	0.0
1254.	c5h11hco+h=c5h11co+h2	4.00E+13	0.0	4200.0

1255.	c5h11hco+o=c5h11co+oh	5.00E+12	0.0	1790.0
1256.	c5h11hco+ho2=c5h11co+h2o2	2.80E+12	0.0	13600.0
1257.	c5h11hco+ch3=c5h11co+ch4	1.70E+12	0.0	8440.0
1258.	c5h11hco+ch3o=c5h11co+ch3oh	1.15E+11	0.0	1280.0
1259.	c5h11hco+ch3o2=c5h11co+ch3o2h	1.00E+12	0.0	9500.0
1260.	c5h11co+M=co+Ac5h11+M	8.64E+15	0.0	14400.0
1261.	c5h11co+ho2=>co2+oh+Ac5h11	2.00E+13	0.0	0.0
1262.	c6h7C=Lc6h7	2.50E+14	0.7	41800.0
1263.	Lc6h7=c2h2+nc4h5	3.16E+13	0.0	43100.0
1264.	Lc6h7=Lc6h6+h	3.98E+12	0.0	36500.0
1265.	Lc6h7+oh=Lc6h6+h2o	2.00E+07	2.0	1000.0
1266.	Lc6h7+h=Lc6h6+h2	2.00E+07	2.0	1000.0
1267.	Lc6h7+o2=chocho+nc4h5	1.00E+12	0.0	0.0
1268.	Lc6h7+o2=Lc6h6+ho2	1.00E+07	2.0	10000.0
1269.	Lc6h6+o2=>acrol+hco+c2h	2.00E+08	1.5	30200.0
1270.	c6h5=U-c6h5	3.00E+13	0.0	72896.7
1271.	U-c6h5=c2h2+nc4h3	3.16E+13	0.0	43100.0
1272.	U-c6h5=Lc6h4+h	3.98E+12	0.0	36500.0
1273.	Lc6h4+o2=>2hco+2c2h	2.00E+08	1.5	30200.0
1274.	nc7h16=nc3h7+pc4h9	1.22E+27	-3.0	89757.5
1275.	nc7h16=c2h5+Ac5h11	4.49E+25	-2.6	88135.0
1276.	nc7h16=ch3+Ac6h13	5.27E+22	-1.8	89834.0
1277.	nc7h16=h+Ac7h15	1.07E+17	-0.3	101045.0
1278.	nc7h16=h+Bc7h15	1.60E+17	-0.3	98008.0
1279.	nc7h16=h+Cc7h15	2.02E+17	-0.3	98866.0
1280.	nc7h16=h+Dc7h15	1.03E+17	-0.3	98868.0
1281.	nc7h16+o2=Ac7h15+ho2	4.00E+13	0.0	50870.0
1282.	nc7h16+o2=Bc7h15+ho2	8.00E+13	0.0	47690.0
1283.	nc7h16+o2=Cc7h15+ho2	8.00E+13	0.0	47690.0
1284.	nc7h16+o2=Dc7h15+ho2	4.00E+13	0.0	47690.0
1285.	nc7h16+oh=h2o+Ac7h15	1.05E+10	1.0	1590.0
1286.	nc7h16+oh=h2o+Bc7h15	9.36E+07	1.6	-35.0
1287.	nc7h16+oh=h2o+Cc7h15	9.36E+07	1.6	-35.0
1288.	nc7h16+oh=h2o+Dc7h15	4.68E+07	1.6	-35.0
1289.	nc7h16+ho2=h2o2+Ac7h15	3.60E+04	2.5	16683.0
1290.	nc7h16+ho2=h2o2+Bc7h15	4.00E+04	2.5	14208.0
1291.	nc7h16+ho2=h2o2+Cc7h15	4.00E+04	2.5	14208.0
1292.	nc7h16+ho2=h2o2+Dc7h15	2.00E+04	2.5	14208.0
1293.	nc7h16+h=h2+Ac7h15	5.70E+07	2.0	7700.0
1294.	nc7h16+h=h2+Bc7h15	1.80E+07	2.0	5000.0
1295.	nc7h16+h=h2+Cc7h15	1.80E+07	2.0	5000.0
1296.	nc7h16+h=h2+Dc7h15	9.00E+06	2.0	5000.0
1297.	o+nc7h16=oh+Ac7h15	1.00E+14	0.0	7850.0
1298.	o+nc7h16=oh+Bc7h15	5.20E+13	0.0	5200.0
1299.	o+nc7h16=oh+Cc7h15	5.20E+13	0.0	5200.0
1300.	o+nc7h16=oh+Dc7h15	2.60E+13	0.0	5200.0
1301.	nc7h16+ch3=ch4+Ac7h15	6.00E-01	4.0	8200.0
1302.	nc7h16+ch3=ch4+Bc7h15	4.00E+11	0.0	9600.0
1303.	nc7h16+ch3=ch4+Cc7h15	4.00E+11	0.0	9600.0
1304.	nc7h16+ch3=ch4+Dc7h15	2.00E+11	0.0	9600.0
1305.	nc7h16+c2h5=c2h6+Ac7h15	6.00E+11	0.0	13500.0
1306.	nc7h16+c2h5=c2h6+Bc7h15	4.00E+11	0.0	11000.0
1307.	nc7h16+c2h5=c2h6+Cc7h15	4.00E+11	0.0	11000.0
1308.	nc7h16+c2h5=c2h6+Dc7h15	2.00E+11	0.0	11000.0
1309.	nc7h16+hco=ch2o+Ac7h15	2.00E+05	2.5	18500.0
1310.	nc7h16+hco=ch2o+Bc7h15	2.20E+07	1.9	17000.0
1311.	nc7h16+hco=ch2o+Cc7h15	2.20E+07	1.9	17000.0
1312.	nc7h16+hco=ch2o+Dc7h15	1.10E+07	1.9	17000.0
1313.	nc7h16+ch3o=ch3oh+Ac7h15	3.20E+11	0.0	7300.0
1314.	nc7h16+ch3o=ch3oh+Bc7h15	2.90E+11	0.0	4500.0
1315.	nc7h16+ch3o=ch3oh+Cc7h15	2.90E+11	0.0	4500.0

1316.	nc7h16+ch3o=ch3oh+Dc7h15	1.45E+11	0.0	4500.0
1317.	nc7h16+ch2oh=ch3oh+Ac7h15	2.00E+02	3.0	14000.0
1318.	nc7h16+ch2oh=ch3oh+Bc7h15	1.20E+02	3.0	12000.0
1319.	nc7h16+ch2oh=ch3oh+Cc7h15	1.20E+02	3.0	12000.0
1320.	nc7h16+ch2oh=ch3oh+Dc7h15	6.00E+01	3.0	12000.0
1321.	nc7h16+ch3o2=ch3o2h+Ac7h15	1.20E+13	0.0	20000.0
1322.	nc7h16+ch3o2=ch3o2h+Bc7h15	6.00E+12	0.0	17500.0
1323.	nc7h16+ch3o2=ch3o2h+Cc7h15	6.00E+12	0.0	17500.0
1324.	nc7h16+ch3o2=ch3o2h+Dc7h15	3.00E+12	0.0	17500.0
1325.	nc7h16+ch2hco=ch3hco+Ac7h15	6.00E+11	0.0	13700.0
1326.	nc7h16+ch2hco=ch3hco+Bc7h15	4.00E+11	0.0	11400.0
1327.	nc7h16+ch2hco=ch3hco+Cc7h15	4.00E+11	0.0	11400.0
1328.	nc7h16+ch2hco=ch3hco+Dc7h15	2.00E+11	0.0	11400.0
1329.	nc7h16+ch3co=ch3hco+Ac7h15	3.00E+11	0.0	15000.0
1330.	nc7h16+ch3co=ch3hco+Bc7h15	2.00E+11	0.0	12700.0
1331.	nc7h16+ch3co=ch3hco+Cc7h15	2.00E+11	0.0	12700.0
1332.	nc7h16+ch3co=ch3hco+Dc7h15	2.00E+11	0.0	12700.0
1333.	nc7h16+nc3h7=c3h8+Ac7h15	6.00E+11	0.0	13700.0
1334.	nc7h16+nc3h7=c3h8+Bc7h15	4.00E+11	0.0	11400.0
1335.	nc7h16+nc3h7=c3h8+Cc7h15	4.00E+11	0.0	11400.0
1336.	nc7h16+nc3h7=c3h8+Dc7h15	2.00E+11	0.0	11400.0
1337.	nc7h16+pc4h9=c4h10+Ac7h15	6.00E+11	0.0	13700.0
1338.	nc7h16+pc4h9=c4h10+Bc7h15	4.00E+11	0.0	11400.0
1339.	nc7h16+pc4h9=c4h10+Cc7h15	4.00E+11	0.0	11400.0
1340.	nc7h16+pc4h9=c4h10+Dc7h15	2.00E+11	0.0	11400.0
1341.	nc7h16+Ac5h11=nc5h12+Ac7h15	6.00E+11	0.0	13700.0
1342.	nc7h16+Ac5h11=nc5h12+Bc7h15	4.00E+11	0.0	11400.0
1343.	nc7h16+Ac5h11=nc5h12+Cc7h15	4.00E+11	0.0	11400.0
1344.	nc7h16+Ac5h11=nc5h12+Dc7h15	2.00E+11	0.0	11400.0
1345.	nc7h16+Ac6h13=c6h14+Ac7h15	6.00E+11	0.0	13700.0
1346.	nc7h16+Ac6h13=c6h14+Bc7h15	4.00E+11	0.0	11400.0
1347.	nc7h16+Ac6h13=c6h14+Cc7h15	4.00E+11	0.0	11400.0
1348.	nc7h16+Ac6h13=c6h14+Dc7h15	2.00E+11	0.0	11400.0
1349.	nc7h16+Ac7h15=nc7h16+Bc7h15	4.00E+11	0.0	12400.0
1350.	nc7h16+Ac7h15=nc7h16+Cc7h15	4.00E+11	0.0	12400.0
1351.	nc7h16+Ac7h15=nc7h16+Dc7h15	2.00E+11	0.0	12400.0
1352.	nc7h16+Bc7h15=nc7h16+Cc7h15	4.00E+11	0.0	12400.0
1353.	nc7h16+Bc7h15=nc7h16+Dc7h15	2.00E+11	0.0	12400.0
1354.	nc7h16+Cc7h15=nc7h16+Dc7h15	2.00E+11	0.0	12400.0
	Reverse Arrhenius coefficients:	2.00E+11	0.0	12400.0
1355.	nc7h16+o2cho=Ac7h15+ho2cho	1.68E+13	0.0	20440.0
1356.	nc7h16+o2cho=Bc7h15+ho2cho	1.12E+13	0.0	17690.0
1357.	nc7h16+o2cho=Cc7h15+ho2cho	1.12E+13	0.0	17690.0
1358.	nc7h16+o2cho=Dc7h15+ho2cho	5.60E+12	0.0	17690.0
1359.	Ac7h15=Ac5h11+c2h4	9.12E+11	0.3	27240.5
1360.	Bc7h15=pc4h9+c3h6	6.02E+10	0.8	27823.0
1361.	Cc7h15=nc3h7+c4h8	5.49E+11	0.6	28087.0
1362.	Cc7h15=ch3+c6h12-1	9.55E+09	1.1	29391.0
1363.	Dc7h15=c2h5+c5h10	1.70E+10	1.1	27026.0
1364.	Ac7h15=h+c7h14-1	3.00E+13	0.0	38000.0
1365.	Bc7h15=h+c7h14-1	3.00E+13	0.0	38000.0
1366.	Bc7h15=h+c7h14-2	3.00E+13	0.0	38000.0
1367.	Cc7h15=h+c7h14-2	3.00E+13	0.0	38000.0
1368.	Cc7h15=h+c7h14-3	3.00E+13	0.0	38000.0
1369.	Dc7h15=h+c7h14-3	6.00E+13	0.0	38000.0
1370.	Ac7h15+o2=c7h14-1+ho2	1.90E+12	0.0	5000.0
1371.	Bc7h15+o2=c7h14-1+ho2	1.80E+10	0.0	-2000.0
1372.	Bc7h15+o2=c7h14-2+ho2	1.80E+10	0.0	-2000.0
1373.	Cc7h15+o2=c7h14-2+ho2	1.80E+10	0.0	-2000.0
1374.	Cc7h15+o2=c7h14-3+ho2	1.80E+10	0.0	-2000.0
1375.	Dc7h15+o2=c7h14-3+ho2	1.80E+10	0.0	-2000.0



1376.	Ac7h15=Bc7h15	2.95E+00	3.1	11017.0
	Reverse Arrhenius coefficients:	3.31E+00	3.1	13073.0
1377.	Ac7h15=Cc7h15	2.29E+01	2.8	10757.0
	Reverse Arrhenius coefficients:	1.86E+00	3.2	12849.0
1378.	Ac7h15=Dc7h15	5.13E+00	3.2	16849.0
	Reverse Arrhenius coefficients:	8.34E-01	3.6	18942.0
1379.	Bc7h15=Cc7h15	1.41E+00	3.3	16146.0
	Reverse Arrhenius coefficients:	1.41E+00	3.3	16146.0
1380.	c2h3+Ac5h11=c7h14-1	1.00E+13	0.0	0.0
1381.	c7h14-1=c3h6+c4h8	4.00E+12	0.0	57430.0
1382.	c7h14-1=ac3h5+pc4h9	2.50E+16	0.0	70000.0
1383.	c7h14-1=Dc4h7-1+nc3h7	1.00E+16	0.0	71000.0
1384.	c7h14-1=Ec5h9-1+c2h5	1.00E+16	0.0	71000.0
1385.	c7h14-1=Fc6h11-1+ch3	1.00E+16	0.0	71000.0
1386.	Cc7h13-1+h=c7h14-1	1.00E+13	0.0	0.0
1387.	Dc7h13-2+h=c7h14-2	1.00E+13	0.0	0.0
1388.	Ec7h13-3+h=c7h14-3	1.00E+13	0.0	0.0
1389.	c7h14-1+ho2=>oh+ch2o+c6h12-1	2.50E+12	1.0	25000.0
1390.	c7h14-2+ho2=>oh+ch3hco+c5h10	2.50E+12	1.0	25000.0
1391.	c7h14-2+ho2=>oh+c2h4+nc4h9hco	2.50E+12	1.0	25000.0
1392.	c7h14-3+ho2=>oh+ethco+c4h8	2.50E+12	1.0	25000.0
1393.	c7h14-3+ho2=>oh+c3h6+nc3h7hco	2.50E+12	1.0	25000.0
1394.	c7h14-1+oh=ch2o+Ac6h13	1.00E+11	0.0	-4000.0
1395.	c7h14-1+oh=ch3+c5h11hco	1.00E+11	0.0	-4000.0
1396.	c7h14-2+oh=ch3hco+Ac5h11	1.40E+12	0.0	-900.0
1397.	c7h14-2+oh=c2h5+nc4h9hco	1.40E+12	0.0	-900.0
1398.	c7h14-3+oh=ethco+pc4h9	1.40E+12	0.0	-900.0
1399.	c7h14-3+oh=nc3h7+nc3h7hco	1.40E+12	0.0	-900.0
1400.	c7h14-1+o=ch2o+c6h12-1	3.40E+07	1.8	550.0
1401.	c7h14-2+o=ch3hco+c5h10	3.40E+07	1.8	550.0
1402.	c7h14-2+o=c2h4+nc4h9hco	3.40E+07	1.8	550.0
1403.	c7h14-3+o=ethco+c4h8	3.40E+07	1.8	550.0
1404.	c7h14-3+o=c3h6+nc3h7hco	3.40E+07	1.8	550.0
1405.	c7h14-1+h=h2+Cc7h13-1	6.55E+12	0.0	4445.0
1406.	c7h14-1+oh=h2o+Cc7h13-1	6.00E+13	0.0	1230.0
1407.	c7h14-1+ho2=h2o2+Cc7h13-1	6.80E+03	2.5	10115.0
1408.	c7h14-1+ch3=ch4+Cc7h13-1	2.00E+11	0.0	6800.0
1409.	c7h14-1+c2h3=c2h4+Cc7h13-1	2.00E+11	0.0	6800.0
1410.	c7h14-1+c2h5=c2h6+Cc7h13-1	1.00E+11	0.0	8300.0
1411.	c7h14-1+o=oh+Cc7h13-1	4.00E+13	0.0	4000.0
1412.	c7h14-2+h=h2+Cc7h13-1	6.55E+12	0.0	4445.0
1413.	c7h14-2+oh=h2o+Cc7h13-1	6.00E+13	0.0	1230.0
1414.	c7h14-2+ho2=h2o2+Cc7h13-1	1.02E+04	2.5	12340.5
1415.	c7h14-2+ch3=ch4+Cc7h13-1	2.00E+11	0.0	6800.0
1416.	c7h14-2+c2h3=c2h4+Cc7h13-1	2.00E+11	0.0	6800.0
1417.	c7h14-2+c2h5=c2h6+Cc7h13-1	1.00E+11	0.0	8300.0
1418.	c7h14-2+o=oh+Cc7h13-1	4.00E+13	0.0	4000.0
1419.	c7h14-2+h=h2+Dc7h13-2	6.55E+12	0.0	4445.0
1420.	c7h14-2+oh=h2o+Dc7h13-2	6.00E+13	0.0	1230.0
1421.	c7h14-2+ho2=h2o2+Dc7h13-2	6.80E+03	2.5	10115.0
1422.	c7h14-2+ch3=ch4+Dc7h13-2	2.00E+11	0.0	6800.0
1423.	c7h14-2+c2h3=c2h4+Dc7h13-2	2.00E+11	0.0	6800.0
1424.	c7h14-2+c2h5=c2h6+Dc7h13-2	1.00E+11	0.0	8300.0
1425.	c7h14-2+o=oh+Dc7h13-2	4.00E+13	0.0	4000.0
1426.	c7h14-3+h=h2+Dc7h13-2	6.55E+12	0.0	4445.0
1427.	c7h14-3+oh=h2o+Dc7h13-2	6.00E+13	0.0	1230.0
1428.	c7h14-3+ho2=h2o2+Dc7h13-2	6.80E+03	2.5	10115.0
1429.	c7h14-3+ch3=ch4+Dc7h13-2	2.00E+11	0.0	6800.0
1430.	c7h14-3+c2h3=c2h4+Dc7h13-2	2.00E+11	0.0	6800.0
1431.	c7h14-3+c2h5=c2h6+Dc7h13-2	1.00E+11	0.0	8300.0
1432.	c7h14-3+o=oh+Dc7h13-2	4.00E+13	0.0	4000.0

1433.	c7h14-3+h=h2+Ec7h13-3	6.55E+12	0.0	4445.0
1434.	c7h14-3+oh=h2o+Ec7h13-3	6.00E+13	0.0	1230.0
1435.	c7h14-3+ho2=h2o2+Ec7h13-3	6.80E+03	2.5	10115.0
1436.	c7h14-3+ch3=ch4+Ec7h13-3	2.00E+11	0.0	6800.0
1437.	c7h14-3+c2h3=c2h4+Ec7h13-3	2.00E+11	0.0	6800.0
1438.	c7h14-3+c2h5=c2h6+Ec7h13-3	1.00E+11	0.0	8300.0
1439.	c7h14-3+o=oh+Ec7h13-3	4.00E+13	0.0	4000.0
1440.	c7h14-1+oh=c7h14rohAB	2.76E+12	0.0	-1042.0
1441.	c7h14rohAB+o2=c7h14qjohAB	1.00E+12	0.0	-1100.0
1442.	c7h14qjohAB=>oh+ch2o+c5h11hco	1.00E+12	0.0	28680.0
1443.	c7h14-2+oh=c7h14rohBC	2.76E+12	0.0	-1042.0
1444.	c7h14rohBC+o2=c7h14qjohBC	1.00E+12	0.0	-1100.0
1445.	c7h14qjohBC=>oh+ch3hco+nc4h9hco	1.00E+12	0.0	28680.0
1446.	c7h14-3+oh=c7h14rohCD	2.76E+12	0.0	-1042.0
1447.	c7h14rohCD+o2=c7h14qjohCD	1.00E+12	0.0	-1100.0
1448.	c7h14qjohCD=>oh+ethco+nc3h7hco	1.00E+12	0.0	28680.0
1449.	Cc7h13-1=c4h6+nc3h7	1.34E+15	-0.5	38320.0
1450.	Dc7h13-2=c5h8-13+c2h5	2.50E+13	0.0	35000.0
1451.	Ec7h13-3=c6h10-13+ch3	2.50E+13	0.0	35000.0
1452.	Cc7h13-1+ho2=>pc4h9+acrol+oh	1.00E+12	0.0	8000.0
1453.	c6h13hco+h=h2+c6h13co	4.00E+13	0.0	4200.0
1454.	c6h13hco+oh=h2o+c6h13co	4.20E+12	0.0	500.0
1455.	c6h13hco+ho2=h2o2+c6h13co	1.00E+12	0.0	10000.0
1456.	c6h13hco+ch3=ch4+c6h13co	2.00E-06	5.6	2500.0
1457.	c6h13hco+c2h5=c2h6+c6h13co	1.30E+12	0.0	8500.0
1458.	c6h13co+M=co+Ac6h13+M	8.64E+15	0.0	14400.0
1459.	c6h13co+ho2=>co2+oh+Ac6h13	2.00E+13	0.0	0.0
1460.	mhd=>Cc4h7-1+ac3h5	5.00E+15	0.0	72800.0
1461.	mhd=>ch3+c6h9	5.00E+16	0.0	73000.0
1462.	p2c4h614=p2c4h513+h	4.26E+13	0.0	38600.0
1463.	p2c4h513=>isopy+c2h5	1.00E+16	0.0	71000.0
1464.	p2c4h513+h=P2c4h4134+h2	6.55E+12	0.0	4445.0
1465.	p2c4h513+oh=P2c4h4134+h2o	3.00E+12	0.0	1230.0
1466.	p2c4h513+ho2=P2c4h4134+h2o2	1.00E+11	0.0	17060.0
1467.	p2c4h513+o2=P2c4h4134+ho2	4.00E+12	0.0	40000.0
1468.	p2c4h513+ch3=P2c4h4134+ch4	2.00E+11	0.0	6800.0
1469.	P2c4h4134=>c2h3+c5h8-12	1.00E+11	0.0	37000.0
1470.	c5h8-12=>c3h3+c2h5	2.00E+15	0.0	75000.0
1471.	c5h8-12=c5h8-13	2.50E+13	0.0	63000.0
1472.	Ac7h13-3=c2h4+Ac5h9-1	1.00E+11	0.0	37000.0
1473.	Ac7h13-3=c7h12-13+h	4.26E+13	0.0	38600.0
1474.	Dc7h13-1=c2h3+c5h10	1.00E+11	0.0	37000.0
1475.	Dc7h13-1=c7h12-13+h	4.26E+13	0.0	38600.0
1476.	c7h12-16=ac3h5+Dc4h7-1	1.00E+16	0.0	71000.0
1477.	c7h12-13=c5h7+c2h5	1.00E+16	0.0	71000.0
1478.	nc8h18=pc4h9+pc4h9	2.00E+17	0.0	83180.0
1479.	nc8h18=nc3h7+Ac5h11	2.00E+17	0.0	83400.0
1480.	nc8h18=c2h5+Ac6h13	2.00E+17	0.0	83680.0
1481.	nc8h18=ch3+Ac7h15	2.00E+17	0.0	85570.0
1482.	nc8h18=h+Ac8h17	1.00E+15	0.0	100000.0
1483.	nc8h18=h+Bc8h17	1.00E+15	0.0	100000.0
1484.	nc8h18=h+Cc8h17	1.00E+15	0.0	100000.0
1485.	nc8h18=h+Dc8h17	1.00E+15	0.0	100000.0
1486.	nc8h18+o2=ho2+Ac8h17	4.00E+13	0.0	50870.0
1487.	nc8h18+o2=ho2+Bc8h17	8.00E+13	0.0	47690.0
1488.	nc8h18+o2=ho2+Cc8h17	8.00E+13	0.0	47690.0
1489.	nc8h18+o2=ho2+Dc8h17	8.00E+13	0.0	47690.0
1490.	nc8h18+oh=h2o+Ac8h17	1.05E+10	1.0	1590.0
1491.	nc8h18+oh=h2o+Bc8h17	9.36E+07	1.6	-35.0
1492.	nc8h18+oh=h2o+Cc8h17	9.36E+07	1.6	-35.0
1493.	nc8h18+oh=h2o+Dc8h17	9.36E+07	1.6	-35.0

1494.	nc8h18+ho2=h2o2+Ac8h17	3.60E+04	2.5	16683.0
1495.	nc8h18+ho2=h2o2+Bc8h17	4.00E+04	2.5	14208.0
1496.	nc8h18+ho2=h2o2+Cc8h17	4.00E+04	2.5	14208.0
1497.	nc8h18+ho2=h2o2+Dc8h17	4.00E+04	2.5	14208.0
1498.	nc8h18+h=h2+Ac8h17	5.70E+07	2.0	7700.0
1499.	nc8h18+h=h2+Bc8h17	1.80E+07	2.0	5000.0
1500.	nc8h18+h=h2+Cc8h17	1.80E+07	2.0	5000.0
1501.	nc8h18+h=h2+Dc8h17	1.80E+07	2.0	5000.0
1502.	o+nc8h18=oh+Ac8h17	1.00E+14	0.0	7850.0
1503.	o+nc8h18=oh+Bc8h17	5.20E+13	0.0	5200.0
1504.	o+nc8h18=oh+Cc8h17	5.20E+13	0.0	5200.0
1505.	o+nc8h18=oh+Dc8h17	5.20E+13	0.0	5200.0
1506.	nc8h18+ch3=ch4+Ac8h17	6.00E-01	4.0	8200.0
1507.	nc8h18+ch3=ch4+Bc8h17	4.00E+11	0.0	9600.0
1508.	nc8h18+ch3=ch4+Cc8h17	4.00E+11	0.0	9600.0
1509.	nc8h18+ch3=ch4+Dc8h17	4.00E+11	0.0	9600.0
1510.	nc8h18+c2h5=c2h6+Ac8h17	6.00E+11	0.0	13500.0
1511.	nc8h18+c2h5=c2h6+Bc8h17	4.00E+11	0.0	11000.0
1512.	nc8h18+c2h5=c2h6+Cc8h17	4.00E+11	0.0	11000.0
1513.	nc8h18+c2h5=c2h6+Dc8h17	4.00E+11	0.0	11000.0
1514.	nc8h18+hco=ch2o+Ac8h17	2.00E+05	2.5	18500.0
1515.	nc8h18+hco=ch2o+Bc8h17	2.20E+07	1.9	17000.0
1516.	nc8h18+hco=ch2o+Cc8h17	2.20E+07	1.9	17000.0
1517.	nc8h18+hco=ch2o+Dc8h17	2.20E+07	1.9	17000.0
1518.	nc8h18+ch3o=ch3oh+Ac8h17	3.20E+11	0.0	7300.0
1519.	nc8h18+ch3o=ch3oh+Bc8h17	2.90E+11	0.0	4500.0
1520.	nc8h18+ch3o=ch3oh+Cc8h17	2.90E+11	0.0	4500.0
1521.	nc8h18+ch3o=ch3oh+Dc8h17	2.90E+11	0.0	4500.0
1522.	nc8h18+ch2oh=ch3oh+Ac8h17	2.00E+02	3.0	14000.0
1523.	nc8h18+ch2oh=ch3oh+Bc8h17	1.20E+02	3.0	12000.0
1524.	nc8h18+ch2oh=ch3oh+Cc8h17	1.20E+02	3.0	12000.0
1525.	nc8h18+ch2oh=ch3oh+Dc8h17	1.20E+02	3.0	12000.0
1526.	nc8h18+ch3o2=ch3o2h+Ac8h17	1.20E+13	0.0	20000.0
1527.	nc8h18+ch3o2=ch3o2h+Bc8h17	6.00E+12	0.0	17500.0
1528.	nc8h18+ch3o2=ch3o2h+Cc8h17	6.00E+12	0.0	17500.0
1529.	nc8h18+ch3o2=ch3o2h+Dc8h17	6.00E+12	0.0	17500.0
1530.	nc8h18+ch2hco=ch3hco+Ac8h17	6.00E+11	0.0	13700.0
1531.	nc8h18+ch2hco=ch3hco+Bc8h17	4.00E+11	0.0	11400.0
1532.	nc8h18+ch2hco=ch3hco+Cc8h17	4.00E+11	0.0	11400.0
1533.	nc8h18+ch2hco=ch3hco+Dc8h17	4.00E+11	0.0	11400.0
1534.	nc8h18+ch3co=ch3hco+Ac8h17	3.00E+11	0.0	15000.0
1535.	nc8h18+ch3co=ch3hco+Bc8h17	2.00E+11	0.0	12700.0
1536.	nc8h18+ch3co=ch3hco+Cc8h17	2.00E+11	0.0	12700.0
1537.	nc8h18+ch3co=ch3hco+Dc8h17	2.00E+11	0.0	12700.0
1538.	nc8h18+nc3h7=c3h8+Ac8h17	6.00E+11	0.0	13700.0
1539.	nc8h18+nc3h7=c3h8+Bc8h17	4.00E+11	0.0	11400.0
1540.	nc8h18+nc3h7=c3h8+Cc8h17	4.00E+11	0.0	11400.0
1541.	nc8h18+nc3h7=c3h8+Dc8h17	4.00E+11	0.0	11400.0
1542.	nc8h18+pc4h9=c4h10+Ac8h17	6.00E+11	0.0	13700.0
1543.	nc8h18+pc4h9=c4h10+Bc8h17	4.00E+11	0.0	11400.0
1544.	nc8h18+pc4h9=c4h10+Cc8h17	4.00E+11	0.0	11400.0
1545.	nc8h18+pc4h9=c4h10+Dc8h17	4.00E+11	0.0	11400.0
1546.	nc8h18+ac3h5=c3h6+Ac8h17	1.20E+02	3.3	19840.0
1547.	nc8h18+ac3h5=c3h6+Bc8h17	8.00E+01	3.3	18170.0
1548.	nc8h18+ac3h5=c3h6+Cc8h17	8.00E+01	3.3	18170.0
1549.	nc8h18+ac3h5=c3h6+Dc8h17	8.00E+01	3.3	18170.0
1550.	Ac8h17=Ac6h13+c2h4	9.12E+11	0.3	27240.5
1551.	Bc8h17=Ac5h11+c3h6	6.02E+10	0.8	27822.8
1552.	Cc8h17=pc4h9+c4h8	2.04E+13	0.0	28496.5
1553.	Cc8h17=ch3+c7h14-1	9.55E+09	1.1	29390.7
1554.	Dc8h17=nc3h7+c5h10	5.49E+11	0.6	28087.1

1555.	Dc8h17=c2h5+c6h12-1	8.51E+09	1.1	27025.9
1556.	Ac8h17=h+c8h16-1	1.24E+18	-1.5	37436.0
1557.	Dc8h17=h+c8h16-3	9.80E+14	-0.7	35922.0
1558.	Dc8h17=h+c8h16-4	5.14E+14	-0.7	35928.0
1559.	Cc8h17=h+c8h16-3	9.80E+14	-0.7	35922.0
1560.	Cc8h17=h+c8h16-2	1.46E+15	-0.7	36050.0
1561.	Bc8h17=h+c8h16-2	2.16E+15	-0.7	36144.0
1562.	Bc8h17=h+c8h16-1	1.79E+18	-1.4	38332.0
1563.	Ac8h17+o2=c8h16-1+ho2	1.90E+12	0.0	5000.0
1564.	Bc8h17+o2=c8h16-2+ho2	1.90E+12	0.0	5000.0
1565.	Bc8h17+o2=c8h16-1+ho2	8.00E+09	0.0	-2000.0
1566.	Cc8h17+o2=c8h16-2+ho2	1.80E+10	0.0	-2000.0
1567.	Cc8h17+o2=c8h16-3+ho2	1.80E+10	0.0	-2000.0
1568.	Dc8h17+o2=c8h16-3+ho2	1.80E+10	0.0	-2000.0
1569.	Dc8h17+o2=c8h16-4+ho2	1.80E+10	0.0	-2000.0
1570.	Ac8h17=Cc8h17	2.95E+00	3.1	11017.0
	Reverse Arrhenius coefficients:	3.31E+00	3.1	13074.0
1571.	Ac8h17=Dc8h17	6.52E-03	4.0	9665.0
	Reverse Arrhenius coefficients:	5.30E-04	4.3	11757.0
1572.	Bc8h17=Cc8h17	1.86E+00	3.3	13199.0
	Reverse Arrhenius coefficients:	2.14E+01	3.0	13165.0
1573.	Bc8h17=Dc8h17	1.41E+00	3.3	16146.0
	Reverse Arrhenius coefficients:	1.18E+00	3.3	16152.0
1574.	c8h16-1=ac3h5+Ac5h11	2.50E+16	0.0	70000.0
1575.	c8h16-1=Dc4h7-1+pc4h9	1.00E+16	0.0	71000.0
1576.	c8h16-1=Ec5h9-1+nc3h7	1.00E+16	0.0	71000.0
1577.	c8h16-1=Fc6h11-1+c2h5	1.00E+16	0.0	71000.0
1578.	Cc8h15-1+h=c8h16-1	1.00E+13	0.0	0.0
1579.	Dc8h15-2+h=c8h16-2	1.00E+13	0.0	0.0
1580.	Ec8h15-3+h=c8h16-3	1.00E+13	0.0	0.0
1581.	Ec8h15-3+h=c8h16-4	1.00E+13	0.0	0.0
1582.	c8h16-1+ho2=>oh+ch2o+c7h14-1	2.50E+12	1.0	25000.0
1583.	c8h16-2+ho2=>oh+ch3hco+c6h12-1	2.50E+12	1.0	25000.0
1584.	c8h16-2+ho2=>oh+c2h4+c5h11hco	2.50E+12	1.0	25000.0
1585.	c8h16-3+ho2=>oh+ethco+c5h10	2.50E+12	1.0	25000.0
1586.	c8h16-3+ho2=>oh+c3h6+nc4h9hco	2.50E+12	1.0	25000.0
1587.	c8h16-4+ho2=>oh+nc3h7hco+c4h8	5.00E+12	1.0	25000.0
1588.	c8h16-1+ch3=Ac6h13+c3h6	9.60E+10	0.0	8000.0
1589.	c8h16-1+oh=ch2o+Ac7h15	1.40E+12	0.0	-900.0
1590.	c8h16-1+oh=ch3+c6h13hco	1.40E+12	0.0	-900.0
1591.	c8h16-2+oh=ch3hco+Ac6h13	1.40E+12	0.0	-900.0
1592.	c8h16-2+oh=c2h5+c5h11hco	1.40E+12	0.0	-900.0
1593.	c8h16-3+oh=ethco+Ac5h11	1.40E+12	0.0	-900.0
1594.	c8h16-3+oh=nc3h7+nc4h9hco	1.40E+12	0.0	-900.0
1595.	c8h16-4+oh=nc3h7hco+pc4h9	2.80E+12	0.0	-900.0
1596.	c8h16-1+o=ch2o+c7h14-1	1.00E+11	0.0	-1050.0
1597.	c8h16-2+o=ch3hco+c6h12-1	1.00E+11	0.0	-1050.0
1598.	c8h16-2+o=c2h4+c5h11hco	1.00E+11	0.0	-1050.0
1599.	c8h16-3+o=ethco+c5h10	1.00E+11	0.0	-1050.0
1600.	c8h16-3+o=c3h6+nc4h9hco	1.00E+11	0.0	-1050.0
1601.	c8h16-4+o=nc3h7hco+c4h8	2.00E+11	0.0	-1050.0
1602.	c8h16-1+h=h2+Cc8h15-1	6.55E+12	0.0	4445.0
1603.	c8h16-1+oh=h2o+Cc8h15-1	6.00E+13	0.0	1230.0
1604.	c8h16-1+ho2=h2o2+Cc8h15-1	6.80E+03	2.5	10115.0
1605.	c8h16-1+ch3=ch4+Cc8h15-1	2.00E+11	0.0	6800.0
1606.	c8h16-1+ch3o2=ch3o2h+Cc8h15-1	2.20E+00	3.5	5675.0
1607.	c8h16-1+c2h5=c2h6+Cc8h15-1	1.00E+11	0.0	8300.0
1608.	c8h16-1+o=oh+Cc8h15-1	4.00E+13	0.0	4000.0
1609.	c8h16-1+nc3h7=c3h8+Cc8h15-1	1.00E+11	0.0	8300.0
1610.	c8h16-1+c2h3=c2h4+Cc8h15-1	2.00E+11	0.0	6800.0
1611.	c8h16-2+h=h2+Cc8h15-1	1.70E+05	2.5	2490.0

1612.	c8h16-2+oh=h2o+Cc8h15-1	3.10E+06	2.0	-300.0
1613.	c8h16-2+ho2=h2o2+Cc8h15-1	1.02E+04	2.5	12340.5
1614.	c8h16-2+ch3=ch4+Cc8h15-1	2.20E+00	3.5	5675.0
1615.	c8h16-2+ch3o2=ch3o2h+Cc8h15-1	2.20E+00	3.5	5675.0
1616.	c8h16-2+c2h5=c2h6+Cc8h15-1	2.20E+00	3.5	6835.0
1617.	c8h16-2+o=oh+Cc8h15-1	6.00E+10	0.7	7682.0
1618.	c8h16-2+h=h2+Dc8h15-2	1.70E+05	2.5	2490.0
1619.	c8h16-2+oh=h2o+Dc8h15-2	3.10E+06	2.0	-300.0
1620.	c8h16-2+ho2=h2o2+Dc8h15-2	6.80E+03	2.5	10115.0
1621.	c8h16-2+ch3=ch4+Dc8h15-2	2.20E+00	3.5	5675.0
1622.	c8h16-2+ch3o2=ch3o2h+Dc8h15-2	2.20E+00	3.5	5675.0
1623.	c8h16-2+c2h5=c2h6+Dc8h15-2	2.20E+00	3.5	6835.0
1624.	c8h16-2+o=oh+Dc8h15-2	6.00E+10	0.7	7682.0
1625.	c8h16-3+h=h2+Dc8h15-2	1.70E+05	2.5	2490.0
1626.	c8h16-3+oh=h2o+Dc8h15-2	3.10E+06	2.0	-300.0
1627.	c8h16-3+ho2=h2o2+Dc8h15-2	6.80E+03	2.5	10115.0
1628.	c8h16-3+ch3=ch4+Dc8h15-2	2.20E+00	3.5	5675.0
1629.	c8h16-3+ch3o2=ch3o2h+Dc8h15-2	2.20E+00	3.5	5675.0
1630.	c8h16-3+c2h5=c2h6+Dc8h15-2	2.20E+00	3.5	6835.0
1631.	c8h16-3+o=oh+Dc8h15-2	6.00E+10	0.7	7682.0
1632.	c8h16-3+h=h2+Ec8h15-3	1.70E+05	2.5	2490.0
1633.	c8h16-3+oh=h2o+Ec8h15-3	3.10E+06	2.0	-300.0
1634.	c8h16-3+ho2=h2o2+Ec8h15-3	6.80E+03	2.5	10115.0
1635.	c8h16-3+ch3=ch4+Ec8h15-3	2.20E+00	3.5	5675.0
1636.	c8h16-3+ch3o2=ch3o2h+Ec8h15-3	2.20E+00	3.5	5675.0
1637.	c8h16-3+c2h5=c2h6+Ec8h15-3	2.20E+00	3.5	6835.0
1638.	c8h16-3+o=oh+Ec8h15-3	6.00E+10	0.7	7682.0
1639.	c8h16-4+h=h2+Ec8h15-3	3.40E+05	2.5	2490.0
1640.	c8h16-4+oh=h2o+Ec8h15-3	6.20E+06	2.0	-300.0
1641.	c8h16-4+ho2=h2o2+Ec8h15-3	1.34E+04	2.5	10115.0
1642.	c8h16-4+ch3=ch4+Ec8h15-3	4.40E+00	3.5	5675.0
1643.	c8h16-4+ch3o2=ch3o2h+Ec8h15-3	4.40E+00	3.5	5675.0
1644.	c8h16-4+c2h5=c2h6+Ec8h15-3	4.40E+00	3.5	6835.0
1645.	c8h16-4+o=oh+Ec8h15-3	1.20E+11	0.7	7682.0
1646.	Cc8h15-1=c4h6+pc4h9	1.34E+15	-0.5	38320.0
1647.	Cc8h15-1+ho2=>oh+acrol+Ac5h11	1.00E+12	0.0	8000.0
1648.	Dc8h15-2=c5h8-13+nc3h7	2.50E+13	0.0	35000.0
1649.	Ec8h15-3=c6h10-13+c2h5	2.50E+13	0.0	35000.0
1650.	c8h16-1+oh=c8h16rohAB	2.76E+12	0.0	-1042.0
1651.	c8h16rohAB+o2=c8h16qjohAB	1.00E+12	0.0	-1100.0
1652.	c8h16qjohAB=>oh+ch2o+c6h13hco	1.00E+12	0.0	28680.0
1653.	c8h16-2+oh=c8h16rohBC	2.76E+12	0.0	-1042.0
1654.	c8h16rohBC+o2=c8h16qjohBC	1.00E+12	0.0	-1100.0
1655.	c8h16qjohBC=>oh+ch3hco+c5h11hco	1.00E+12	0.0	28680.0
1656.	c8h16-3+oh=c8h16rohCD	2.76E+12	0.0	-1042.0
1657.	c8h16rohCD+o2=c8h16qjohCD	1.00E+12	0.0	-1100.0
1658.	c8h16qjohCD=>oh+ethco+nc4h9hco	1.00E+12	0.0	28680.0
1659.	c8h16-4+oh=c8h16rohDE	2.76E+12	0.0	-1042.0
1660.	c8h16rohDE+o2=c8h16qjohDE	1.00E+12	0.0	-1100.0
1661.	c8h16qjohDE=>oh+nc3h7hco+nc3h7hco	1.00E+12	0.0	28680.0
1662.	ac3h5+Ec5h9-1=c8h14	1.00E+13	0.0	0.0
1663.	Dc4h7-1+Dc4h7-1=c8h14	1.00E+13	0.0	0.0
1664.	c7h15hco+h=h2+c7h15co	4.00E+13	0.0	4200.0
1665.	c7h15hco+oh=h2o+c7h15co	4.20E+12	0.0	500.0
1666.	c7h15hco+ho2=h2o2+c7h15co	1.00E+12	0.0	10000.0
1667.	c7h15hco+ch3=ch4+c7h15co	2.00E-06	5.6	2500.0
1668.	c7h15hco+c2h5=c2h6+c7h15co	1.30E+12	0.0	8500.0
1669.	c7h15co+M=co+Ac7h15+M	8.64E+15	0.0	14400.0
1670.	c7h15co+ho2=>co2+oh+Ac7h15	2.00E+13	0.0	0.0
1671.	Hc8h15-1=Fc6h11-1+c2h4	2.00E+13	0.0	29400.0
1672.	nc9h20=pc4h9+Ac5h11	2.00E+17	0.0	83180.0

1673.	nc9h20=nc3h7+Ac6h13	2.00E+17	0.0	83400.0
1674.	nc9h20=c2h5+Ac7h15	2.00E+17	0.0	83680.0
1675.	nc9h20=ch3+Ac8h17	2.00E+17	0.0	85570.0
1676.	nc9h20=h+Ac9h19	9.61E+14	0.5	97289.0
1677.	nc9h20=h+Bc9h19	1.07E+12	1.3	96900.0
1678.	nc9h20=h+Cc9h19	1.55E+12	1.2	96992.0
1679.	nc9h20=h+Dc9h19	1.55E+12	1.2	96992.0
1680.	nc9h20=h+Ec9h19	1.55E+12	1.2	96992.0
1681.	nc9h20+o2=ho2+Ac9h19	4.00E+13	0.0	50870.0
1682.	nc9h20+o2=ho2+Bc9h19	8.00E+13	0.0	47690.0
1683.	nc9h20+o2=ho2+Cc9h19	8.00E+13	0.0	47690.0
1684.	nc9h20+o2=ho2+Dc9h19	8.00E+13	0.0	47690.0
1685.	nc9h20+o2=ho2+Ec9h19	4.00E+13	0.0	47690.0
1686.	nc9h20+oh=h2o+Ac9h19	1.05E+10	1.0	1590.0
1687.	nc9h20+oh=h2o+Bc9h19	9.36E+07	1.6	-35.0
1688.	nc9h20+oh=h2o+Cc9h19	9.36E+07	1.6	-35.0
1689.	nc9h20+oh=h2o+Dc9h19	9.36E+07	1.6	-35.0
1690.	nc9h20+oh=h2o+Ec9h19	4.68E+07	1.6	-35.0
1691.	nc9h20+ho2=h2o2+Ac9h19	3.60E+04	2.5	16683.0
1692.	nc9h20+ho2=h2o2+Bc9h19	4.00E+04	2.5	14208.0
1693.	nc9h20+ho2=h2o2+Cc9h19	4.00E+04	2.5	14208.0
1694.	nc9h20+ho2=h2o2+Dc9h19	4.00E+04	2.5	14208.0
1695.	nc9h20+ho2=h2o2+Ec9h19	2.00E+04	2.5	14208.0
1696.	nc9h20+h=h2+Ac9h19	5.70E+07	2.0	7700.0
1697.	nc9h20+h=h2+Bc9h19	1.80E+07	2.0	5000.0
1698.	nc9h20+h=h2+Cc9h19	1.80E+07	2.0	5000.0
1699.	nc9h20+h=h2+Dc9h19	1.80E+07	2.0	5000.0
1700.	nc9h20+h=h2+Ec9h19	9.00E+06	2.0	5000.0
1701.	o+nc9h20=oh+Ac9h19	1.00E+14	0.0	7850.0
1702.	o+nc9h20=oh+Bc9h19	5.20E+13	0.0	5200.0
1703.	o+nc9h20=oh+Cc9h19	5.20E+13	0.0	5200.0
1704.	o+nc9h20=oh+Dc9h19	5.20E+13	0.0	5200.0
1705.	o+nc9h20=oh+Ec9h19	2.60E+13	0.0	5200.0
1706.	nc9h20+ch3=ch4+Ac9h19	6.00E-01	4.0	8200.0
1707.	nc9h20+ch3=ch4+Bc9h19	4.00E+11	0.0	9600.0
1708.	nc9h20+ch3=ch4+Cc9h19	4.00E+11	0.0	9600.0
1709.	nc9h20+ch3=ch4+Dc9h19	4.00E+11	0.0	9600.0
1710.	nc9h20+ch3=ch4+Ec9h19	2.00E+11	0.0	9600.0
1711.	nc9h20+c2h5=c2h6+Ac9h19	6.00E+11	0.0	13500.0
1712.	nc9h20+c2h5=c2h6+Bc9h19	4.00E+11	0.0	11000.0
1713.	nc9h20+c2h5=c2h6+Cc9h19	4.00E+11	0.0	11000.0
1714.	nc9h20+c2h5=c2h6+Dc9h19	4.00E+11	0.0	11000.0
1715.	nc9h20+c2h5=c2h6+Ec9h19	2.00E+11	0.0	11000.0
1716.	nc9h20+hco=ch2o+Ac9h19	2.00E+05	2.5	18500.0
1717.	nc9h20+hco=ch2o+Bc9h19	2.20E+07	1.9	17000.0
1718.	nc9h20+hco=ch2o+Cc9h19	2.20E+07	1.9	17000.0
1719.	nc9h20+hco=ch2o+Dc9h19	2.20E+07	1.9	17000.0
1720.	nc9h20+hco=ch2o+Ec9h19	1.10E+07	1.9	17000.0
1721.	nc9h20+ch3o=ch3oh+Ac9h19	3.20E+11	0.0	7300.0
1722.	nc9h20+ch3o=ch3oh+Bc9h19	2.90E+11	0.0	4500.0
1723.	nc9h20+ch3o=ch3oh+Cc9h19	2.90E+11	0.0	4500.0
1724.	nc9h20+ch3o=ch3oh+Dc9h19	2.90E+11	0.0	4500.0
1725.	nc9h20+ch3o=ch3oh+Ec9h19	1.45E+11	0.0	4500.0
1726.	nc9h20+ch2oh=ch3oh+Ac9h19	2.00E+02	3.0	14000.0
1727.	nc9h20+ch2oh=ch3oh+Bc9h19	1.20E+02	3.0	12000.0
1728.	nc9h20+ch2oh=ch3oh+Cc9h19	1.20E+02	3.0	12000.0
1729.	nc9h20+ch2oh=ch3oh+Dc9h19	1.20E+02	3.0	12000.0
1730.	nc9h20+ch2oh=ch3oh+Ec9h19	6.00E+01	3.0	12000.0
1731.	nc9h20+ch3o2=ch3o2h+Ac9h19	1.20E+13	0.0	20000.0
1732.	nc9h20+ch3o2=ch3o2h+Bc9h19	6.00E+12	0.0	17500.0
1733.	nc9h20+ch3o2=ch3o2h+Cc9h19	6.00E+12	0.0	17500.0

1734.	nc9h20+ch3o2=ch3o2h+Dc9h19	6.00E+12	0.0	17500.0
1735.	nc9h20+ch3o2=ch3o2h+Ec9h19	3.00E+12	0.0	17500.0
1736.	nc9h20+ch2hco=ch3hco+Ac9h19	6.00E+11	0.0	13700.0
1737.	nc9h20+ch2hco=ch3hco+Bc9h19	4.00E+11	0.0	11400.0
1738.	nc9h20+ch2hco=ch3hco+Cc9h19	4.00E+11	0.0	11400.0
1739.	nc9h20+ch2hco=ch3hco+Dc9h19	4.00E+11	0.0	11400.0
1740.	nc9h20+ch2hco=ch3hco+Ec9h19	2.00E+11	0.0	11400.0
1741.	nc9h20+ch3co=ch3hco+Ac9h19	3.00E+11	0.0	15000.0
1742.	nc9h20+ch3co=ch3hco+Bc9h19	2.00E+11	0.0	12700.0
1743.	nc9h20+ch3co=ch3hco+Cc9h19	2.00E+11	0.0	12700.0
1744.	nc9h20+ch3co=ch3hco+Dc9h19	2.00E+11	0.0	12700.0
1745.	nc9h20+ch3co=ch3hco+Ec9h19	1.00E+11	0.0	12700.0
1746.	nc9h20+nc3h7=c3h8+Ac9h19	6.00E+11	0.0	13700.0
1747.	nc9h20+nc3h7=c3h8+Bc9h19	4.00E+11	0.0	11400.0
1748.	nc9h20+nc3h7=c3h8+Cc9h19	4.00E+11	0.0	11400.0
1749.	nc9h20+nc3h7=c3h8+Dc9h19	4.00E+11	0.0	11400.0
1750.	nc9h20+nc3h7=c3h8+Ec9h19	2.00E+11	0.0	11400.0
1751.	nc9h20+pc4h9=c4h10+Ac9h19	6.00E+11	0.0	13700.0
1752.	nc9h20+pc4h9=c4h10+Bc9h19	4.00E+11	0.0	11400.0
1753.	nc9h20+pc4h9=c4h10+Cc9h19	4.00E+11	0.0	11400.0
1754.	nc9h20+pc4h9=c4h10+Dc9h19	4.00E+11	0.0	11400.0
1755.	nc9h20+pc4h9=c4h10+Ec9h19	2.00E+11	0.0	11400.0
1756.	nc9h20+Ac5h11=nc5h12+Ac9h19	6.00E+11	0.0	13700.0
1757.	nc9h20+Ac5h11=nc5h12+Bc9h19	4.00E+11	0.0	11400.0
1758.	nc9h20+Ac5h11=nc5h12+Cc9h19	4.00E+11	0.0	11400.0
1759.	nc9h20+Ac5h11=nc5h12+Dc9h19	4.00E+11	0.0	11400.0
1760.	nc9h20+Ac5h11=nc5h12+Ec9h19	2.00E+11	0.0	11400.0
1761.	nc9h20+Ac6h13=c6h14+Ac9h19	6.00E+11	0.0	13700.0
1762.	nc9h20+Ac6h13=c6h14+Bc9h19	4.00E+11	0.0	11400.0
1763.	nc9h20+Ac6h13=c6h14+Cc9h19	4.00E+11	0.0	11400.0
1764.	nc9h20+Ac6h13=c6h14+Dc9h19	4.00E+11	0.0	11400.0
1765.	nc9h20+Ac6h13=c6h14+Ec9h19	2.00E+11	0.0	11400.0
1766.	nc9h20+Ac7h15=nc7h16+Ac9h19	6.00E+11	0.0	13700.0
1767.	nc9h20+Ac7h15=nc7h16+Bc9h19	4.00E+11	0.0	11400.0
1768.	nc9h20+Ac7h15=nc7h16+Cc9h19	4.00E+11	0.0	11400.0
1769.	nc9h20+Ac7h15=nc7h16+Dc9h19	4.00E+11	0.0	11400.0
1770.	nc9h20+Ac7h15=nc7h16+Ec9h19	2.00E+11	0.0	11400.0
1771.	nc9h20+Ac8h17=nc8h18+Ac9h19	6.00E+11	0.0	13700.0
1772.	nc9h20+Ac8h17=nc8h18+Bc9h19	4.00E+11	0.0	11400.0
1773.	nc9h20+Ac8h17=nc8h18+Cc9h19	4.00E+11	0.0	11400.0
1774.	nc9h20+Ac8h17=nc8h18+Dc9h19	4.00E+11	0.0	11400.0
1775.	nc9h20+Ac8h17=nc8h18+Ec9h19	2.00E+11	0.0	11400.0
1776.	nc9h20+Ac9h19=nc9h20+Bc9h19	4.00E+11	0.0	11400.0
1777.	nc9h20+Ac9h19=nc9h20+Cc9h19	4.00E+11	0.0	11400.0
1778.	nc9h20+Ac9h19=nc9h20+Dc9h19	4.00E+11	0.0	11400.0
1779.	nc9h20+Ac9h19=nc9h20+Ec9h19	2.00E+11	0.0	11400.0
1780.	nc9h20+Bc9h19=nc9h20+Cc9h19	4.00E+11	0.0	12400.0
1781.	nc9h20+Bc9h19=nc9h20+Dc9h19	4.00E+11	0.0	12400.0
1782.	nc9h20+Bc9h19=nc9h20+Ec9h19	2.00E+11	0.0	12400.0
1783.	nc9h20+Cc9h19=nc9h20+Dc9h19	4.00E+11	0.0	12400.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	12400.0
1784.	nc9h20+Cc9h19=nc9h20+Ec9h19	2.00E+11	0.0	12400.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	12400.0
1785.	nc9h20+Dc9h19=nc9h20+Ec9h19	2.00E+11	0.0	12400.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	12400.0
1786.	nc9h20+o2cho=Ac9h19+ho2cho	1.68E+13	0.0	20440.0
1787.	nc9h20+o2cho=Bc9h19+ho2cho	1.12E+13	0.0	17690.0
1788.	nc9h20+o2cho=Cc9h19+ho2cho	1.12E+13	0.0	17690.0
1789.	nc9h20+o2cho=Dc9h19+ho2cho	1.12E+13	0.0	17690.0
1790.	nc9h20+o2cho=Ec9h19+ho2cho	5.60E+12	0.0	17690.0
1791.	Ac9h19=Ac7h15+c2h4	9.12E+11	0.3	27240.5

1792.	Bc9h19=Ac6h13+c3h6	6.02E+10	0.8	27822.8
1793.	Cc9h19=Ac5h11+c4h8	2.04E+13	0.0	28496.5
1794.	Cc9h19=ch3+c8h16-1	9.55E+09	1.1	29390.7
1795.	Dc9h19=pc4h9+c5h10	2.04E+13	0.0	28496.5
1796.	Dc9h19=c2h5+c7h14-1	8.51E+09	1.1	27025.9
1797.	Ec9h19=nc3h7+c6h12-1	5.49E+11	0.6	28087.1
1798.	Ac9h19=h+c9h18-1	1.28E+12	0.2	38372.0
1799.	Bc9h19=h+c9h18-1	1.95E+15	-0.6	37371.0
1800.	Bc9h19=h+c9h18-2	2.74E+15	-0.7	36120.0
1801.	Cc9h19=h+c9h18-2	1.89E+15	-0.7	36028.0
1802.	Cc9h19=h+c9h18-3	1.08E+15	-0.7	35875.0
1803.	Dc9h19=h+c9h18-3	1.08E+15	-0.7	35875.0
1804.	Dc9h19=h+c9h18-4	1.08E+15	-0.7	35875.0
1805.	Ec9h19=h+c9h18-4	2.11E+15	-0.6	35872.0
1806.	Ac9h19+o2=c9h18-1+ho2	1.90E+12	0.0	5000.0
1807.	Bc9h19+o2=c9h18-2+ho2	1.90E+12	0.0	5000.0
1808.	Bc9h19+o2=c9h18-1+ho2	1.80E+10	0.0	-2000.0
1809.	Cc9h19+o2=c9h18-2+ho2	1.80E+10	0.0	-2000.0
1810.	Cc9h19+o2=c9h18-3+ho2	1.80E+10	0.0	-2000.0
1811.	Dc9h19+o2=c9h18-3+ho2	1.80E+10	0.0	-2000.0
1812.	Dc9h19+o2=c9h18-4+ho2	1.80E+10	0.0	-2000.0
1813.	Ec9h19+o2=c9h18-4+ho2	1.80E+10	0.0	-2000.0
1814.	Ac9h19=Dc9h19	6.38E-04	4.3	9944.0
	Reverse Arrhenius coefficients:	2.08E-03	4.1	12085.0
1815.	Ac9h19=Ec9h19	2.29E+01	2.8	10757.0
	Reverse Arrhenius coefficients:	2.72E+00	3.2	12849.0
1816.	Bc9h19=Cc9h19	2.95E+00	3.1	11017.0
	Reverse Arrhenius coefficients:	2.95E+00	3.1	11017.0
1817.	Bc9h19=Dc9h19	1.86E+00	3.3	13199.0
	Reverse Arrhenius coefficients:	1.86E+00	3.3	13199.0
1818.	Bc9h19=Ec9h19	1.41E+00	3.3	16146.0
	Reverse Arrhenius coefficients:	2.82E+00	3.3	16146.0
1819.	Cc9h19=Dc9h19	1.41E+00	3.3	16146.0
	Reverse Arrhenius coefficients:	1.41E+00	3.3	16146.0
1820.	c9h18-1+ch3=Ac7h15+c3h6	9.60E+10	0.0	8000.0
1821.	c9h18-1+oh=ch3+c7h15hco	1.00E+12	0.0	0.0
1822.	c9h18-1+oh=ch2o+Ac8h17	1.00E+12	0.0	0.0
1823.	c9h18-2+oh=c2h5+c6h13hco	1.00E+12	0.0	0.0
1824.	c9h18-2+oh=ch3hco+Ac7h15	1.00E+12	0.0	0.0
1825.	c9h18-3+oh=nc3h7+c5h11hco	1.00E+12	0.0	0.0
1826.	c9h18-3+oh=ethco+Ac6h13	1.00E+12	0.0	0.0
1827.	c9h18-4+oh=pc4h9+nc4h9hco	1.00E+12	0.0	0.0
1828.	c9h18-4+oh=nc3h7hco+Ac5h11	1.00E+12	0.0	0.0
1829.	c9h18-1+o=ch2o+c8h16-1	3.40E+07	1.8	550.0
1830.	c9h18-2+o=ch3hco+c7h14-1	3.40E+07	1.8	550.0
1831.	c9h18-2+o=c2h4+c6h13hco	3.40E+07	1.8	550.0
1832.	c9h18-3+o=ethco+c6h12-1	3.40E+07	1.8	550.0
1833.	c9h18-3+o=c3h6+c5h11hco	3.40E+07	1.8	550.0
1834.	c9h18-4+o=nc3h7hco+c5h10	3.40E+07	1.8	550.0
1835.	c9h18-4+o=c4h8+nc4h9hco	3.40E+07	1.8	550.0
1836.	c9h18-1+h=h2+Cc9h17-1	1.70E+05	2.5	2490.0
1837.	c9h18-1+oh=h2o+Cc9h17-1	3.10E+06	2.0	-300.0
1838.	c9h18-1+ho2=h2o2+Cc9h17-1	6.80E+03	2.5	10115.0
1839.	c9h18-1+ch3=ch4+Cc9h17-1	2.20E+00	3.5	5675.0
1840.	c9h18-1+ch3o2=ch3o2h+Cc9h17-1	2.20E+00	3.5	5675.0
1841.	c9h18-1+c2h5=c2h6+Cc9h17-1	2.20E+00	3.5	6835.0
1842.	c9h18-1+o=oh+Cc9h17-1	6.00E+10	0.7	7682.0
1843.	c9h18-2+h=h2+Cc9h17-1	1.70E+05	2.5	2490.0
1844.	c9h18-2+oh=h2o+Cc9h17-1	3.10E+06	2.0	-300.0
1845.	c9h18-2+ho2=h2o2+Cc9h17-1	1.02E+04	2.5	12340.5
1846.	c9h18-2+ch3=ch4+Cc9h17-1	2.20E+00	3.5	5675.0



1847.	c9h18-2+ch3o2=ch3o2h+Cc9h17-1	2.20E+00	3.5	5675.0
1848.	c9h18-2+c2h5=c2h6+Cc9h17-1	2.20E+00	3.5	6835.0
1849.	c9h18-2+o=oh+Cc9h17-1	6.00E+10	0.7	7682.0
1850.	c9h18-2+h=h2+Dc9h17-2	1.70E+05	2.5	2490.0
1851.	c9h18-2+oh=h2o+Dc9h17-2	3.10E+06	2.0	-300.0
1852.	c9h18-2+ho2=h2o2+Dc9h17-2	6.80E+03	2.5	10115.0
1853.	c9h18-2+ch3=ch4+Dc9h17-2	2.20E+00	3.5	5675.0
1854.	c9h18-2+ch3o2=ch3o2h+Dc9h17-2	2.20E+00	3.5	5675.0
1855.	c9h18-2+c2h5=c2h6+Dc9h17-2	2.20E+00	3.5	6835.0
1856.	c9h18-2+o=oh+Dc9h17-2	6.00E+10	0.7	7682.0
1857.	c9h18-3+h=h2+Dc9h17-2	1.70E+05	2.5	2490.0
1858.	c9h18-3+oh=h2o+Dc9h17-2	3.10E+06	2.0	-300.0
1859.	c9h18-3+ho2=h2o2+Dc9h17-2	6.80E+03	2.5	10115.0
1860.	c9h18-3+ch3=ch4+Dc9h17-2	2.20E+00	3.5	5675.0
1861.	c9h18-3+ch3o2=ch3o2h+Dc9h17-2	2.20E+00	3.5	5675.0
1862.	c9h18-3+c2h5=c2h6+Dc9h17-2	2.20E+00	3.5	6835.0
1863.	c9h18-3+o=oh+Dc9h17-2	6.00E+10	0.7	7682.0
1864.	c9h18-3+h=h2+Ec9h17-3	1.70E+05	2.5	2490.0
1865.	c9h18-3+oh=h2o+Ec9h17-3	3.10E+06	2.0	-300.0
1866.	c9h18-3+ho2=h2o2+Ec9h17-3	6.80E+03	2.5	10115.0
1867.	c9h18-3+ch3=ch4+Ec9h17-3	2.20E+00	3.5	5675.0
1868.	c9h18-3+ch3o2=ch3o2h+Ec9h17-3	2.20E+00	3.5	5675.0
1869.	c9h18-3+c2h5=c2h6+Ec9h17-3	2.20E+00	3.5	6835.0
1870.	c9h18-3+o=oh+Ec9h17-3	6.00E+10	0.7	7682.0
1871.	c9h18-4+h=h2+Ec9h17-3	1.70E+05	2.5	2490.0
1872.	c9h18-4+oh=h2o+Ec9h17-3	3.10E+06	2.0	-300.0
1873.	c9h18-4+ho2=h2o2+Ec9h17-3	6.80E+03	2.5	10115.0
1874.	c9h18-4+ch3=ch4+Ec9h17-3	2.20E+00	3.5	5675.0
1875.	c9h18-4+ch3o2=ch3o2h+Ec9h17-3	2.20E+00	3.5	5675.0
1876.	c9h18-4+c2h5=c2h6+Ec9h17-3	2.20E+00	3.5	6835.0
1877.	c9h18-4+o=oh+Ec9h17-3	6.00E+10	0.7	7682.0
1878.	c9h18-4+h=h2+Fc9h17-4	1.70E+05	2.5	2490.0
1879.	c9h18-4+oh=h2o+Fc9h17-4	3.10E+06	2.0	-300.0
1880.	c9h18-4+ho2=h2o2+Fc9h17-4	6.80E+03	2.5	10115.0
1881.	c9h18-4+ch3=ch4+Fc9h17-4	2.20E+00	3.5	5675.0
1882.	c9h18-4+ch3o2=ch3o2h+Fc9h17-4	2.20E+00	3.5	5675.0
1883.	c9h18-4+c2h5=c2h6+Fc9h17-4	2.20E+00	3.5	6835.0
1884.	c9h18-4+o=oh+Fc9h17-4	6.00E+10	0.7	7682.0
1885.	Cc9h17-1=c4h6+Ac5h11	2.50E+13	0.0	35000.0
1886.	Cc9h17-1+h=c9h18-1	1.00E+13	0.0	0.0
1887.	Cc9h17-1+ho2=oh+acrol+Ac6h13	1.00E+12	0.0	8000.0
1888.	Dc9h17-2=c5h8-13+pc4h9	2.50E+13	0.0	35000.0
1889.	Ec9h17-3=c6h10-13+nc3h7	2.50E+13	0.0	35000.0
1890.	Fc9h17-4=c7h12-13+c2h5	2.50E+13	0.0	35000.0
1891.	Dc4h7-1+Ec5h9-1=c9h16	1.00E+13	0.0	0.0
1892.	c8h17hco+h=h2+c8h17co	4.00E+13	0.0	4200.0
1893.	c8h17hco+oh=h2o+c8h17co	4.20E+12	0.0	500.0
1894.	c8h17hco+ho2=h2o2+c8h17co	1.00E+12	0.0	10000.0
1895.	c8h17hco+ch3=ch4+c8h17co	2.00E-06	5.6	2500.0
1896.	c8h17hco+c2h5=c2h6+c8h17co	1.30E+12	0.0	8500.0
1897.	c8h17co=>co+Ac8h17	2.00E+13	0.0	28700.0
1898.	c8h17co+ho2=>co2+oh+Ac8h17	2.00E+13	0.0	0.0
1899.	nc10h22=Ac5h11+Ac5h11	2.00E+17	0.0	83180.0
1900.	nc10h22=pc4h9+Ac6h13	2.00E+17	0.0	83180.0
1901.	nc10h22=nc3h7+Ac7h15	2.00E+17	0.0	83400.0
1902.	nc10h22=c2h5+Ac8h17	2.00E+17	0.0	83680.0
1903.	nc10h22=ch3+Ac9h19	2.00E+17	0.0	85570.0
1904.	nc10h22=h+Ac10h21	1.10E+14	0.8	96940.0
1905.	nc10h22=h+Bc10h21	3.41E+15	0.3	97203.0
1906.	nc10h22=h+Cc10h21	3.75E+15	0.3	97191.0
1907.	nc10h22=h+Dc10h21	3.75E+15	0.3	97191.0

1908.	nc10h22=h+Ec10h21	3.75E+15	0.3	97191.0
1909.	nc10h22+o2=ho2+Ac10h21	4.00E+13	0.0	50870.0
1910.	nc10h22+o2=ho2+Bc10h21	8.00E+13	0.0	47690.0
1911.	nc10h22+o2=ho2+Cc10h21	8.00E+13	0.0	47690.0
1912.	nc10h22+o2=ho2+Dc10h21	8.00E+13	0.0	47690.0
1913.	nc10h22+o2=ho2+Ec10h21	8.00E+13	0.0	47690.0
1914.	nc10h22+oh=h2o+Ac10h21	1.05E+10	1.0	1590.0
1915.	nc10h22+oh=h2o+Bc10h21	9.36E+07	1.6	-35.0
1916.	nc10h22+oh=h2o+Cc10h21	9.36E+07	1.6	-35.0
1917.	nc10h22+oh=h2o+Dc10h21	9.36E+07	1.6	-35.0
1918.	nc10h22+oh=h2o+Ec10h21	9.36E+07	1.6	-35.0
1919.	nc10h22+ho2=h2o2+Ac10h21	3.60E+04	2.5	16683.0
1920.	nc10h22+ho2=h2o2+Bc10h21	4.00E+04	2.5	14208.0
1921.	nc10h22+ho2=h2o2+Cc10h21	4.00E+04	2.5	14208.0
1922.	nc10h22+ho2=h2o2+Dc10h21	4.00E+04	2.5	14208.0
1923.	nc10h22+ho2=h2o2+Ec10h21	4.00E+04	2.5	14208.0
1924.	nc10h22+h=h2+Ac10h21	5.70E+07	2.0	7700.0
1925.	nc10h22+h=h2+Bc10h21	1.80E+07	2.0	5000.0
1926.	nc10h22+h=h2+Cc10h21	1.80E+07	2.0	5000.0
1927.	nc10h22+h=h2+Dc10h21	1.80E+07	2.0	5000.0
1928.	nc10h22+h=h2+Ec10h21	1.80E+07	2.0	5000.0
1929.	o+nc10h22=oh+Ac10h21	1.00E+14	0.0	7850.0
1930.	o+nc10h22=oh+Bc10h21	5.20E+13	0.0	5200.0
1931.	o+nc10h22=oh+Cc10h21	5.20E+13	0.0	5200.0
1932.	o+nc10h22=oh+Dc10h21	5.20E+13	0.0	5200.0
1933.	o+nc10h22=oh+Ec10h21	5.20E+13	0.0	5200.0
1934.	nc10h22+ch3=ch4+Ac10h21	6.00E-01	4.0	8200.0
1935.	nc10h22+ch3=ch4+Bc10h21	4.00E+11	0.0	9600.0
1936.	nc10h22+ch3=ch4+Cc10h21	4.00E+11	0.0	9600.0
1937.	nc10h22+ch3=ch4+Dc10h21	4.00E+11	0.0	9600.0
1938.	nc10h22+ch3=ch4+Ec10h21	4.00E+11	0.0	9600.0
1939.	nc10h22+c2h5=c2h6+Ac10h21	6.00E+11	0.0	13500.0
1940.	nc10h22+c2h5=c2h6+Bc10h21	4.00E+11	0.0	11000.0
1941.	nc10h22+c2h5=c2h6+Cc10h21	4.00E+11	0.0	11000.0
1942.	nc10h22+c2h5=c2h6+Dc10h21	4.00E+11	0.0	11000.0
1943.	nc10h22+c2h5=c2h6+Ec10h21	4.00E+11	0.0	11000.0
1944.	nc10h22+hco=ch2o+Ac10h21	2.00E+05	2.5	18500.0
1945.	nc10h22+hco=ch2o+Bc10h21	2.20E+07	1.9	17000.0
1946.	nc10h22+hco=ch2o+Cc10h21	2.20E+07	1.9	17000.0
1947.	nc10h22+hco=ch2o+Dc10h21	2.20E+07	1.9	17000.0
1948.	nc10h22+hco=ch2o+Ec10h21	2.20E+07	1.9	17000.0
1949.	nc10h22+ch3o=ch3oh+Ac10h21	3.20E+11	0.0	7300.0
1950.	nc10h22+ch3o=ch3oh+Bc10h21	2.90E+11	0.0	4500.0
1951.	nc10h22+ch3o=ch3oh+Cc10h21	2.90E+11	0.0	4500.0
1952.	nc10h22+ch3o=ch3oh+Dc10h21	2.90E+11	0.0	4500.0
1953.	nc10h22+ch3o=ch3oh+Ec10h21	2.90E+11	0.0	4500.0
1954.	nc10h22+ch2oh=ch3oh+Ac10h21	2.00E+02	3.0	14000.0
1955.	nc10h22+ch2oh=ch3oh+Bc10h21	1.20E+02	3.0	12000.0
1956.	nc10h22+ch2oh=ch3oh+Cc10h21	1.20E+02	3.0	12000.0
1957.	nc10h22+ch2oh=ch3oh+Dc10h21	1.20E+02	3.0	12000.0
1958.	nc10h22+ch2oh=ch3oh+Ec10h21	1.20E+02	3.0	12000.0
1959.	nc10h22+ch3o2=ch3o2h+Ac10h21	1.20E+13	0.0	20000.0
1960.	nc10h22+ch3o2=ch3o2h+Bc10h21	6.00E+12	0.0	17500.0
1961.	nc10h22+ch3o2=ch3o2h+Cc10h21	6.00E+12	0.0	17500.0
1962.	nc10h22+ch3o2=ch3o2h+Dc10h21	6.00E+12	0.0	17500.0
1963.	nc10h22+ch3o2=ch3o2h+Ec10h21	6.00E+12	0.0	17500.0
1964.	nc10h22+ch2hco=ch3hco+Ac10h21	6.00E+11	0.0	13700.0
1965.	nc10h22+ch2hco=ch3hco+Bc10h21	4.00E+11	0.0	11400.0
1966.	nc10h22+ch2hco=ch3hco+Cc10h21	4.00E+11	0.0	11400.0
1967.	nc10h22+ch2hco=ch3hco+Dc10h21	4.00E+11	0.0	11400.0
1968.	nc10h22+ch2hco=ch3hco+Ec10h21	4.00E+11	0.0	11400.0

1969.	nc10h22+ch3co=ch3hco+Ac10h21	3.00E+11	0.0	15000.0
1970.	nc10h22+ch3co=ch3hco+Bc10h21	2.00E+11	0.0	12700.0
1971.	nc10h22+ch3co=ch3hco+Cc10h21	2.00E+11	0.0	12700.0
1972.	nc10h22+ch3co=ch3hco+Dc10h21	2.00E+11	0.0	12700.0
1973.	nc10h22+ch3co=ch3hco+Ec10h21	2.00E+11	0.0	12700.0
1974.	nc10h22+nc3h7=c3h8+Ac10h21	6.00E+11	0.0	13700.0
1975.	nc10h22+nc3h7=c3h8+Bc10h21	4.00E+11	0.0	11400.0
1976.	nc10h22+nc3h7=c3h8+Cc10h21	4.00E+11	0.0	11400.0
1977.	nc10h22+nc3h7=c3h8+Dc10h21	4.00E+11	0.0	11400.0
1978.	nc10h22+nc3h7=c3h8+Ec10h21	4.00E+11	0.0	11400.0
1979.	nc10h22+pc4h9=c4h10+Ac10h21	6.00E+11	0.0	13700.0
1980.	nc10h22+pc4h9=c4h10+Bc10h21	4.00E+11	0.0	11400.0
1981.	nc10h22+pc4h9=c4h10+Cc10h21	4.00E+11	0.0	11400.0
1982.	nc10h22+pc4h9=c4h10+Dc10h21	4.00E+11	0.0	11400.0
1983.	nc10h22+pc4h9=c4h10+Ec10h21	4.00E+11	0.0	11400.0
1984.	nc10h22+Ac5h11=nc5h12+Ac10h21	6.00E+11	0.0	13700.0
1985.	nc10h22+Ac5h11=nc5h12+Bc10h21	4.00E+11	0.0	11400.0
1986.	nc10h22+Ac5h11=nc5h12+Cc10h21	4.00E+11	0.0	11400.0
1987.	nc10h22+Ac5h11=nc5h12+Dc10h21	4.00E+11	0.0	11400.0
1988.	nc10h22+Ac5h11=nc5h12+Ec10h21	4.00E+11	0.0	11400.0
1989.	nc10h22+Ac6h13=c6h14+Ac10h21	6.00E+11	0.0	13700.0
1990.	nc10h22+Ac6h13=c6h14+Bc10h21	4.00E+11	0.0	11400.0
1991.	nc10h22+Ac6h13=c6h14+Cc10h21	4.00E+11	0.0	11400.0
1992.	nc10h22+Ac6h13=c6h14+Dc10h21	4.00E+11	0.0	11400.0
1993.	nc10h22+Ac6h13=c6h14+Ec10h21	4.00E+11	0.0	11400.0
1994.	nc10h22+Ac7h15=nc7h16+Ac10h21	6.00E+11	0.0	13700.0
1995.	nc10h22+Ac7h15=nc7h16+Bc10h21	4.00E+11	0.0	11400.0
1996.	nc10h22+Ac7h15=nc7h16+Cc10h21	4.00E+11	0.0	11400.0
1997.	nc10h22+Ac7h15=nc7h16+Dc10h21	4.00E+11	0.0	11400.0
1998.	nc10h22+Ac7h15=nc7h16+Ec10h21	4.00E+11	0.0	11400.0
1999.	nc10h22+Ac8h17=nc8h18+Ac10h21	6.00E+11	0.0	13700.0
2000.	nc10h22+Ac8h17=nc8h18+Bc10h21	4.00E+11	0.0	11400.0
2001.	nc10h22+Ac8h17=nc8h18+Cc10h21	4.00E+11	0.0	11400.0
2002.	nc10h22+Ac8h17=nc8h18+Dc10h21	4.00E+11	0.0	11400.0
2003.	nc10h22+Ac8h17=nc8h18+Ec10h21	4.00E+11	0.0	11400.0
2004.	nc10h22+Ac9h19=nc9h20+Ac10h21	6.00E+11	0.0	13700.0
2005.	nc10h22+Ac9h19=nc9h20+Bc10h21	4.00E+11	0.0	11400.0
2006.	nc10h22+Ac9h19=nc9h20+Cc10h21	4.00E+11	0.0	11400.0
2007.	nc10h22+Ac9h19=nc9h20+Dc10h21	4.00E+11	0.0	11400.0
2008.	nc10h22+Ac9h19=nc9h20+Ec10h21	4.00E+11	0.0	11400.0
2009.	nc10h22+Bc9h19=nc9h20+Ac10h21	6.00E+11	0.0	14700.0
2010.	nc10h22+Bc9h19=nc9h20+Bc10h21	4.00E+11	0.0	12400.0
2011.	nc10h22+Bc9h19=nc9h20+Cc10h21	4.00E+11	0.0	12400.0
2012.	nc10h22+Bc9h19=nc9h20+Dc10h21	4.00E+11	0.0	12400.0
2013.	nc10h22+Bc9h19=nc9h20+Ec10h21	4.00E+11	0.0	12400.0
2014.	nc10h22+Cc9h19=nc9h20+Ac10h21	6.00E+11	0.0	14700.0
2015.	nc10h22+Cc9h19=nc9h20+Bc10h21	4.00E+11	0.0	12400.0
2016.	nc10h22+Cc9h19=nc9h20+Cc10h21	4.00E+11	0.0	12400.0
2017.	nc10h22+Cc9h19=nc9h20+Dc10h21	4.00E+11	0.0	12400.0
2018.	nc10h22+Cc9h19=nc9h20+Ec10h21	4.00E+11	0.0	12400.0
2019.	nc10h22+Dc9h19=nc9h20+Ac10h21	6.00E+11	0.0	14700.0
2020.	nc10h22+Dc9h19=nc9h20+Bc10h21	4.00E+11	0.0	12400.0
2021.	nc10h22+Dc9h19=nc9h20+Cc10h21	4.00E+11	0.0	12400.0
2022.	nc10h22+Dc9h19=nc9h20+Dc10h21	4.00E+11	0.0	12400.0
2023.	nc10h22+Dc9h19=nc9h20+Ec10h21	4.00E+11	0.0	12400.0
2024.	nc10h22+Ec9h19=nc9h20+Ac10h21	6.00E+11	0.0	14700.0
2025.	nc10h22+Ec9h19=nc9h20+Bc10h21	4.00E+11	0.0	12400.0
2026.	nc10h22+Ec9h19=nc9h20+Cc10h21	4.00E+11	0.0	12400.0
2027.	nc10h22+Ec9h19=nc9h20+Dc10h21	4.00E+11	0.0	12400.0
2028.	nc10h22+Ec9h19=nc9h20+Ec10h21	4.00E+11	0.0	12400.0
2029.	nc10h22+Ac10h21=nc10h22+Bc10h21	4.00E+11	0.0	11400.0

2030.	nc10h22+Ac10h21=nc10h22+Cc10h21	4.00E+11	0.0	11400.0
2031.	nc10h22+Ac10h21=nc10h22+Dc10h21	4.00E+11	0.0	11400.0
2032.	nc10h22+Ac10h21=nc10h22+Ec10h21	4.00E+11	0.0	11400.0
2033.	nc10h22+Bc10h21=nc10h22+Cc10h21	4.00E+11	0.0	12400.0
2034.	nc10h22+Bc10h21=nc10h22+Dc10h21	4.00E+11	0.0	12400.0
2035.	nc10h22+Bc10h21=nc10h22+Ec10h21	4.00E+11	0.0	12400.0
2036.	nc10h22+Cc10h21=nc10h22+Dc10h21	4.00E+11	0.0	12400.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	12400.0
2037.	nc10h22+Cc10h21=nc10h22+Ec10h21	4.00E+11	0.0	12400.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	12400.0
2038.	nc10h22+Dc10h21=nc10h22+Ec10h21	4.00E+11	0.0	12400.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	12400.0
2039.	nc10h22+o2cho=Ac10h21+ho2cho	1.68E+13	0.0	20440.0
2040.	nc10h22+o2cho=Bc10h21+ho2cho	1.12E+13	0.0	17690.0
2041.	nc10h22+o2cho=Cc10h21+ho2cho	1.12E+13	0.0	17690.0
2042.	nc10h22+o2cho=Dc10h21+ho2cho	1.12E+13	0.0	17690.0
2043.	nc10h22+o2cho=Ec10h21+ho2cho	1.12E+13	0.0	17690.0
2044.	Ac10h21=Ac8h17+c2h4	9.12E+11	0.3	27240.5
2045.	Bc10h21=Ac7h15+c3h6	6.02E+10	0.8	27822.8
2046.	Cc10h21=Ac6h13+c4h8	2.04E+13	0.0	28496.5
2047.	Cc10h21=ch3+c9h18-1	9.55E+09	1.1	29390.7
2048.	Dc10h21=Ac5h11+c5h10	2.04E+13	0.0	28496.5
2049.	Dc10h21=c2h5+c8h16-1	8.51E+09	1.1	27025.9
2050.	Ec10h21=pc4h9+c6h12-1	2.04E+13	0.0	28496.5
2051.	Ec10h21=nc3h7+c7h14-1	5.49E+11	0.6	28087.1
2052.	Ac10h21=h+c10h20-1	1.99E+13	0.0	35861.0
2053.	Bc10h21=h+c10h20-1	7.73E+12	0.2	36548.0
2054.	Bc10h21=h+c10h20-2	1.08E+13	0.0	35288.0
2055.	Cc10h21=h+c10h20-2	7.47E+12	0.0	35206.0
2056.	Cc10h21=h+c10h20-3	4.03E+12	0.1	35036.0
2057.	Dc10h21=h+c10h20-3	4.03E+12	0.1	35039.0
2058.	Dc10h21=h+c10h20-4	4.02E+12	0.1	35037.0
2059.	Ec10h21=h+c10h20-4	4.02E+12	0.1	35037.0
2060.	Ec10h21=h+c10h20-5	2.19E+12	0.1	35055.0
2061.	Ac10h21+o2=c10h20-1+ho2	1.90E+12	0.0	5000.0
2062.	Bc10h21+o2=c10h20-1+ho2	1.90E+12	0.0	5000.0
2063.	Bc10h21+o2=c10h20-2+ho2	1.90E+12	0.0	5000.0
2064.	Cc10h21+o2=c10h20-2+ho2	1.90E+12	0.0	5000.0
2065.	Cc10h21+o2=c10h20-3+ho2	1.90E+12	0.0	5000.0
2066.	Dc10h21+o2=c10h20-3+ho2	1.90E+12	0.0	5000.0
2067.	Dc10h21+o2=c10h20-4+ho2	1.90E+12	0.0	5000.0
2068.	Ec10h21+o2=c10h20-4+ho2	1.90E+12	0.0	5000.0
2069.	Ec10h21+o2=c10h20-5+ho2	1.90E+12	0.0	5000.0
2070.	Ac10h21+o=ch2o+Ac9h19	2.00E+13	0.0	4000.0
2071.	Bc10h21+o=ch3hco+Ac8h17	2.00E+13	0.0	4000.0
2072.	Bc10h21+o=ch3+c8h17hco	2.00E+13	0.0	4000.0
2073.	Cc10h21+o=ethco+Ac7h15	2.00E+13	0.0	4000.0
2074.	Cc10h21+o=c2h5+c7h15hco	2.00E+13	0.0	4000.0
2075.	Dc10h21+o=nc3h7+c6h13hco	2.00E+13	0.0	4000.0
2076.	Dc10h21+o=nc3h7hco+Ac6h13	2.00E+13	0.0	4000.0
2077.	Ec10h21+o=pc4h9+c5h11hco	2.00E+13	0.0	4000.0
2078.	Ec10h21+o=nc4h9hco+Ac5h11	2.00E+13	0.0	4000.0
2079.	Ac10h21+oh=ch2o+nc9h20	2.00E+13	0.0	4000.0
2080.	Bc10h21+oh=ch3hco+nc8h18	2.00E+13	0.0	4000.0
2081.	Bc10h21+oh=ch4+c8h17hco	2.00E+13	0.0	4000.0
2082.	Cc10h21+oh=ethco+nc7h16	2.00E+13	0.0	4000.0
2083.	Cc10h21+oh=c2h6+c7h15hco	2.00E+13	0.0	4000.0
2084.	Dc10h21+oh=c3h8+c6h13hco	2.00E+13	0.0	4000.0
2085.	Dc10h21+oh=nc3h7hco+c6h14	2.00E+13	0.0	4000.0
2086.	Ec10h21+oh=c4h10+c5h11hco	2.00E+13	0.0	4000.0
2087.	Ec10h21+oh=nc4h9hco+nc5h12	2.00E+13	0.0	4000.0

2088.	Ac10h21+ho2=ch2o+Ac9h19+oh	5.00E+12	0.0	0.0
2089.	Bc10h21+ho2=ch3hco+Ac8h17+oh	5.00E+12	0.0	0.0
2090.	Bc10h21+ho2=ch3+c8h17hco+oh	5.00E+12	0.0	0.0
2091.	Cc10h21+ho2=ethco+Ac7h15+oh	5.00E+12	0.0	0.0
2092.	Cc10h21+ho2=c2h5+c7h15hco+oh	5.00E+12	0.0	0.0
2093.	Dc10h21+ho2=nc3h7+c6h13hco+oh	5.00E+12	0.0	0.0
2094.	Dc10h21+ho2=nc3h7hco+Ac6h13+oh	5.00E+12	0.0	0.0
2095.	Ec10h21+ho2=pc4h9+c5h11hco+oh	5.00E+12	0.0	0.0
2096.	Ec10h21+ho2=nc4h9hco+Ac5h11+oh	5.00E+12	0.0	0.0
2097.	Ac10h21=Dc10h21	5.13E+00	3.2	16849.0
	Reverse Arrhenius coefficients:	4.17E-01	3.6	18942.0
2098.	Ac10h21=Ec10h21	1.49E+01	3.0	10792.0
	Reverse Arrhenius coefficients:	4.79E+00	3.1	12956.0
2099.	Bc10h21=Dc10h21	2.95E+00	3.1	11017.0
	Reverse Arrhenius coefficients:	2.95E+00	3.1	11017.0
2100.	Bc10h21=Ec10h21	1.40E-01	3.7	12982.0
	Reverse Arrhenius coefficients:	1.40E-01	3.7	12982.0
2101.	Cc10h21=Dc10h21	1.86E+00	3.3	13199.0
	Reverse Arrhenius coefficients:	1.86E+00	3.3	13199.0
2102.	Cc10h21=Ec10h21	1.41E+00	3.3	16146.0
	Reverse Arrhenius coefficients:	1.41E+00	3.3	16146.0
2103.	c10h20-1=ac3h5+Ac7h15	2.50E+16	0.0	70000.0
2104.	c10h20-1=Dc4h7-1+Ac6h13	1.00E+16	0.0	71000.0
2105.	c10h20-1=Ec5h9-1+Ac5h11	1.00E+16	0.0	71000.0
2106.	c10h20-1=Fc6h11-1+pc4h9	1.00E+16	0.0	71000.0
2107.	Cc10h19-1+h=c10h20-1	1.00E+13	0.0	0.0
2108.	Dc10h19-2+h=c10h20-2	1.00E+13	0.0	0.0
2109.	Ec10h19-3+h=c10h20-3	1.00E+13	0.0	0.0
2110.	Fc10h19-4+h=c10h20-4	1.00E+13	0.0	0.0
2111.	c10h20-1+ho2=>oh+ch2o+c9h18-1	2.50E+12	1.0	25000.0
2112.	c10h20-2+ho2=>oh+ch3hco+c8h16-1	2.50E+12	1.0	25000.0
2113.	c10h20-2+ho2=>oh+c2h4+c7h15hco	2.50E+12	1.0	25000.0
2114.	c10h20-3+ho2=>oh+ethco+c7h14-1	2.50E+12	1.0	25000.0
2115.	c10h20-3+ho2=>oh+c3h6+c6h13hco	2.50E+12	1.0	25000.0
2116.	c10h20-4+ho2=>oh+nc3h7hco+c6h12-1	2.50E+12	1.0	25000.0
2117.	c10h20-4+ho2=>oh+c4h8+c5h11hco	2.50E+12	1.0	25000.0
2118.	c10h20-5+ho2=>oh+c5h10+nc4h9hco	5.00E+12	1.0	25000.0
2119.	c10h20-1+oh=ch2o+Ac9h19	1.40E+12	0.0	-900.0
2120.	c10h20-1+oh=ch3+c8h17hco	1.40E+12	0.0	-900.0
2121.	c10h20-2+oh=ch3hco+Ac8h17	1.40E+12	0.0	-900.0
2122.	c10h20-2+oh=c2h5+c7h15hco	1.40E+12	0.0	-900.0
2123.	c10h20-3+oh=ethco+Ac7h15	1.40E+12	0.0	-900.0
2124.	c10h20-3+oh=nc3h7+c6h13hco	1.40E+12	0.0	-900.0
2125.	c10h20-4+oh=nc3h7hco+Ac6h13	1.40E+12	0.0	-900.0
2126.	c10h20-4+oh=pc4h9+c5h11hco	1.40E+12	0.0	-900.0
2127.	c10h20-5+oh=Ac5h11+nc4h9hco	2.80E+12	0.0	-900.0
2128.	c10h20-1+o=ch2o+c9h18-1	3.40E+07	1.8	550.0
2129.	c10h20-2+o=ch3hco+c8h16-1	3.40E+07	1.8	550.0
2130.	c10h20-2+o=c2h4+c7h15hco	3.40E+07	1.8	550.0
2131.	c10h20-3+o=ethco+c7h14-1	3.40E+07	1.8	550.0
2132.	c10h20-3+o=c3h6+c6h13hco	3.40E+07	1.8	550.0
2133.	c10h20-4+o=nc3h7hco+c6h12-1	3.40E+07	1.8	550.0
2134.	c10h20-4+o=c4h8+c5h11hco	3.40E+07	1.8	550.0
2135.	c10h20-5+o=c5h10+nc4h9hco	6.80E+07	1.8	550.0
2136.	c10h20-1+h=h2+Cc10h19-1	1.70E+05	2.5	2490.0
2137.	c10h20-1+oh=h2o+Cc10h19-1	3.10E+06	2.0	-300.0
2138.	c10h20-1+ho2=h2o2+Cc10h19-1	6.80E+03	2.5	10115.0
2139.	c10h20-1+ch3=ch4+Cc10h19-1	2.20E+00	3.5	5675.0
2140.	c10h20-1+ch3o2=ch3o2h+Cc10h19-1	2.20E+00	3.5	5675.0
2141.	c10h20-1+c2h5=c2h6+Cc10h19-1	2.20E+00	3.5	6835.0
2142.	c10h20-1+o=oh+Cc10h19-1	6.00E+10	0.7	7682.0

2143.	c10h20-2+h=h2+Cc10h19-1	1.70E+05	2.5	2490.0
2144.	c10h20-2+oh=h2o+Cc10h19-1	3.10E+06	2.0	-300.0
2145.	c10h20-2+ho2=h2o2+Cc10h19-1	1.02E+04	2.5	12340.5
2146.	c10h20-2+ch3=ch4+Cc10h19-1	2.20E+00	3.5	5675.0
2147.	c10h20-2+ch3o2=ch3o2h+Cc10h19-1	2.20E+00	3.5	5675.0
2148.	c10h20-2+c2h5=c2h6+Cc10h19-1	2.20E+00	3.5	6835.0
2149.	c10h20-2+o=oh+Cc10h19-1	6.00E+10	0.7	7682.0
2150.	c10h20-2+h=h2+Dc10h19-2	1.70E+05	2.5	2490.0
2151.	c10h20-2+oh=h2o+Dc10h19-2	3.10E+06	2.0	-300.0
2152.	c10h20-2+ho2=h2o2+Dc10h19-2	6.80E+03	2.5	10115.0
2153.	c10h20-2+ch3=ch4+Dc10h19-2	2.20E+00	3.5	5675.0
2154.	c10h20-2+ch3o2=ch3o2h+Dc10h19-2	2.20E+00	3.5	5675.0
2155.	c10h20-2+c2h5=c2h6+Dc10h19-2	2.20E+00	3.5	6835.0
2156.	c10h20-2+o=oh+Dc10h19-2	6.00E+10	0.7	7682.0
2157.	c10h20-3+h=h2+Dc10h19-2	1.70E+05	2.5	2490.0
2158.	c10h20-3+oh=h2o+Dc10h19-2	3.10E+06	2.0	-300.0
2159.	c10h20-3+ho2=h2o2+Dc10h19-2	6.80E+03	2.5	10115.0
2160.	c10h20-3+ch3=ch4+Dc10h19-2	2.20E+00	3.5	5675.0
2161.	c10h20-3+ch3o2=ch3o2h+Dc10h19-2	2.20E+00	3.5	5675.0
2162.	c10h20-3+c2h5=c2h6+Dc10h19-2	2.20E+00	3.5	6835.0
2163.	c10h20-3+o=oh+Dc10h19-2	6.00E+10	0.7	7682.0
2164.	c10h20-3+h=h2+Ec10h19-3	1.70E+05	2.5	2490.0
2165.	c10h20-3+oh=h2o+Ec10h19-3	3.10E+06	2.0	-300.0
2166.	c10h20-3+ho2=h2o2+Ec10h19-3	6.80E+03	2.5	10115.0
2167.	c10h20-3+ch3=ch4+Ec10h19-3	2.20E+00	3.5	5675.0
2168.	c10h20-3+ch3o2=ch3o2h+Ec10h19-3	2.20E+00	3.5	5675.0
2169.	c10h20-3+c2h5=c2h6+Ec10h19-3	2.20E+00	3.5	6835.0
2170.	c10h20-3+o=oh+Ec10h19-3	6.00E+10	0.7	7682.0
2171.	c10h20-4+h=h2+Ec10h19-3	1.70E+05	2.5	2490.0
2172.	c10h20-4+oh=h2o+Ec10h19-3	3.10E+06	2.0	-300.0
2173.	c10h20-4+ho2=h2o2+Ec10h19-3	6.80E+03	2.5	10115.0
2174.	c10h20-4+ch3=ch4+Ec10h19-3	2.20E+00	3.5	5675.0
2175.	c10h20-4+ch3o2=ch3o2h+Ec10h19-3	2.20E+00	3.5	5675.0
2176.	c10h20-4+c2h5=c2h6+Ec10h19-3	2.20E+00	3.5	6835.0
2177.	c10h20-4+o=oh+Ec10h19-3	6.00E+10	0.7	7682.0
2178.	c10h20-4+h=h2+Fc10h19-4	1.70E+05	2.5	2490.0
2179.	c10h20-4+oh=h2o+Fc10h19-4	3.10E+06	2.0	-300.0
2180.	c10h20-4+ho2=h2o2+Fc10h19-4	6.80E+03	2.5	10115.0
2181.	c10h20-4+ch3=ch4+Fc10h19-4	2.20E+00	3.5	5675.0
2182.	c10h20-4+ch3o2=ch3o2h+Fc10h19-4	2.20E+00	3.5	5675.0
2183.	c10h20-4+c2h5=c2h6+Fc10h19-4	2.20E+00	3.5	6835.0
2184.	c10h20-4+o=oh+Fc10h19-4	6.00E+10	0.7	7682.0
2185.	c10h20-5+h=h2+Fc10h19-4	3.40E+05	2.5	2490.0
2186.	c10h20-5+oh=h2o+Fc10h19-4	6.20E+06	2.0	-300.0
2187.	c10h20-5+ho2=h2o2+Fc10h19-4	6.80E+03	2.5	10115.0
2188.	c10h20-5+ch3=ch4+Fc10h19-4	4.40E+00	3.5	5675.0
2189.	c10h20-5+ch3o2=ch3o2h+Fc10h19-4	4.40E+00	3.5	5675.0
2190.	c10h20-5+c2h5=c2h6+Fc10h19-4	4.40E+00	3.5	6835.0
2191.	c10h20-5+o=oh+Fc10h19-4	1.20E+11	0.7	7682.0
2192.	c10h20-1+oh=c10h20rohAB	2.76E+12	0.0	-1042.0
2193.	c10h20rohAB+o2=c10h20qjohAB	1.00E+12	0.0	-1100.0
2194.	c10h20qjohAB=>oh+ch2o+c8h17hco	1.00E+12	0.0	28680.0
2195.	c10h20-2+oh=c10h20rohBC	2.76E+12	0.0	-1042.0
2196.	c10h20rohBC+o2=c10h20qjohBC	1.00E+12	0.0	-1100.0
2197.	c10h20qjohBC=>oh+ch3hco+c7h15hco	1.00E+12	0.0	28680.0
2198.	c10h20-3+oh=c10h20rohCD	2.76E+12	0.0	-1042.0
2199.	c10h20rohCD+o2=c10h20qjohCD	1.00E+12	0.0	-1100.0
2200.	c10h20qjohCD=>oh+ethco+c6h13hco	1.00E+12	0.0	28680.0
2201.	c10h20-4+oh=c10h20rohDE	2.76E+12	0.0	-1042.0
2202.	c10h20rohDE+o2=c10h20qjohDE	1.00E+12	0.0	-1100.0
2203.	c10h20qjohDE=>oh+nc3h7hco+c5h11hco	1.00E+12	0.0	28680.0

2204.	c10h20-5+oh=c10h20rohEF	2.76E+12	0.0	-1042.0
2205.	c10h20rohEF+o2=c10h20qjohEF	1.00E+12	0.0	-1100.0
2206.	c10h20qjohEF=>oh+nc4h9hco+nc4h9hco	1.00E+12	0.0	28680.0
2207.	Cc10h19-1=c4h6+Ac6h13	1.34E+15	-0.5	38320.0
2208.	Dc10h19-2=c5h8-13+Ac5h11	2.50E+13	0.0	35000.0
2209.	Ec10h19-3=c6h10-13+pc4h9	2.50E+13	0.0	35000.0
2210.	Fc10h19-4=c7h12-13+nc3h7	2.50E+13	0.0	35000.0
2211.	c4h6+c2h3=chd13+h	7.00E+11	0.0	1650.0
2212.	Fc6h9-13=cyc6h9	1.00E+08	0.9	5900.0
2213.	c6h9=chxelrD	1.00E+08	0.9	5900.0
2214.	cyc6h9+ho2=chd13+h2o2	1.00E+12	0.0	0.0
2215.	cyc6h9+oh=chd13+h2o	1.80E+13	0.0	0.0
2216.	cyc6h9+o2=ho2+chd13	9.60E+12	0.0	15160.0
2217.	cyc6h9=h+chd13	3.00E+13	0.0	50500.0
2218.	cyc6h9+o=chd13+oh	1.80E+13	0.0	0.0
2219.	cyc6h9+h=chd13+h2	3.16E+13	0.0	0.0
2220.	cyc6h9+ch3=chd13+ch4	8.00E+12	0.0	0.0
2221.	cyc6h9+c2h3=chd13+c2h4	4.00E+12	0.0	0.0
2222.	cyc6h9+c2h5=chd13+c2h6	4.00E+12	0.0	0.0
2223.	cyc6h9+ac3h5=chd13+c3h6	4.00E+12	0.0	0.0
2224.	cyc6h9+sc3h5=chd13+c3h6	4.00E+12	0.0	0.0
2225.	cyc6h9+tc3h5=chd13+c3h6	4.00E+12	0.0	0.0
2226.	cyc6h9+hco=chd13+ch2o	4.00E+12	0.0	0.0
2227.	cyc6h9+ch3o=chd13+ch3oh	4.00E+12	0.0	0.0
2228.	cyc6h9+ho2=cyc6h9o+oh	7.00E+12	0.0	-1000.0
2229.	cyc6h9+ho2=>cyc5h8+hco+oh	4.50E+12	0.0	0.0
2230.	cyc6h9+o=cyc5h8+hco	8.26E+13	0.0	0.0
2231.	cyc6h9+o2=acrol+c2h4+hco	3.01E+10	0.0	2870.0
2232.	cyc6h9+o2=ac3h5co+c2h4o	1.31E+10	0.0	0.0
2233.	cyc6h9+o2=chxelqjC	2.43E+39	-9.0	8620.0
2234.	chxelqjC=EchxelqC	2.14E+09	1.0	28226.6
2235.	EchxelqC+o2=chxelqCqjE	1.84E+45	-11.1	6538.0
2236.	chxelqCqjE=chxeloCqE+oh	1.07E+09	1.0	26226.6
2237.	oh+chxeloCojE=chxeloCqE	1.81E+13	0.0	0.0
2238.	Dc6e5oAoC=chxeloCojE	1.00E+08	0.9	5900.0
2239.	Fc6e3oAoE=chxeloCojE	1.00E+08	0.9	5900.0
2240.	Dc6e5oAoC+o=acrol+hcoch2co	2.00E+14	0.0	0.0
2241.	Dc6e5oAoC+ho2=oh+acrol+hcoch2co	1.00E+13	0.0	0.0
2242.	ch2co+ac3h4hcol=Fc6e3oAoE	2.00E+11	0.0	2010.0
2243.	chxelrD=cyc6h9	1.30E+13	0.0	44500.0
2244.	chxelrD=Ac6h9-15	2.00E+13	0.0	35500.0
2245.	chxelrD+o2=ho2+chd13	9.60E+12	0.0	2500.0
2246.	chxelrD=h+chd13	3.20E+13	0.0	34500.0
2247.	chxelrD+o2=ho2+chd14	9.60E+12	0.0	5000.0
2248.	chxelrD=h+chd14	3.00E+13	0.0	33800.0
2249.	Fc6e5oA=cyc6h9o	1.00E+08	0.9	5900.0
2250.	c2h2+c3h6cho-1=Fc6e5oA	7.77E+06	1.4	7755.0
2251.	Fc6e2oA=cyc6h9o	1.00E+08	0.9	5900.0
2252.	c2h4+sc3h5co=Fc6e2oA	1.32E+04	2.5	6130.0
2253.	sc3h5co=sc3h5+co	8.60E+15	0.0	23000.0
2254.	Fc6h9-13+o2=hex135+ho2	2.70E+11	0.0	2500.0
2255.	Fc6h9-13=hex135+h	3.20E+13	0.0	34800.0
2256.	Fc6h9-13=nc4h5+c2h4	2.00E+13	0.0	35500.0
2257.	Fc6h9-13+h=c6h10-13	1.00E+14	0.0	0.0
2258.	c6h9=h+hex135	3.20E+13	0.0	40700.0
2259.	c6h9+o2=ho2+hex135	1.60E+12	0.0	15160.0
2260.	Ac6h9-15=c6h9	6.00E+08	1.0	12400.0
2261.	Ac6h9-15=c2h2+Dc4h7-1	2.00E+13	0.0	33000.0
2262.	Ac6h9-15+o2=Dc4h7-1+co+ch2o	4.50E+16	-1.4	1000.0
2263.	Ac6h9-15+h=c6h10-15	1.00E+14	0.0	0.0
2264.	hex135=chd13	4.50E+12	0.0	43300.0

2265.	chd13=c6h6+h2	5.00E+14	0.0	65140.0
2266.	chd13=c6h7C+h	5.01E+15	0.0	72598.0
2267.	chd13+o2=c6h7C+ho2	8.31E+11	0.0	24858.0
2268.	chd13+ho2=c6h7C+h2o2	4.00E+12	0.0	17057.0
2269.	chd13+oh=c6h7C+h2o	5.60E+12	0.0	861.0
2270.	chd13+o=c6h7C+oh	1.40E+13	0.0	-795.0
2271.	chd13+h=c6h7C+h2	1.30E+13	0.0	4445.0
2272.	chd13+ch3=c6h7C+ch4	1.23E+11	0.0	5201.0
2273.	chd13+c2h5=c6h7C+c2h6	1.23E+11	0.0	5201.0
2274.	chd13+c2h2=c6h6+c2h4	3.09E+10	0.0	27151.0
2275.	chd13+c2h3=c6h7C+c2h4	1.23E+11	0.0	5201.0
2276.	chd13+ac3h5=c6h7C+c3h6	1.23E+11	0.0	5201.0
2277.	chd13+hco=c6h7C+ch2o	1.23E+11	0.0	5201.0
2278.	chd13+ch3o=c6h7C+ch3oh	1.23E+11	0.0	5201.0
2279.	chd13+nc4h5=c6h7C+c4h6	1.00E+11	0.0	13500.0
2280.	chd13+ic4h5=c6h7C+c4h6	1.00E+11	0.0	13500.0
2281.	chd14=c6h6+h2	2.30E+12	0.0	43800.0
2282.	chd14=c6h7C+h	3.10E+14	0.0	77400.0
2283.	chd14+o2=c6h7C+ho2	7.20E+12	0.0	27920.0
2284.	chd14+ho2=c6h7C+h2o2	1.28E+04	2.6	12400.0
2285.	chd14+h=c6h7C+h2	1.10E+05	2.5	-1900.0
2286.	chd14+oh=c6h7C+h2o	6.00E+06	2.0	-1520.0
2287.	chd14+ch3=c6h7C+ch4	2.00E+11	0.0	7300.0
2288.	c2h2+nc4h5 (+m)=c6h7C (+m)	4.80E+07	0.3	4700.0
	Low pressure limit: 0.52000E+26 -0.42100E+01 0.40000E+04			
2289.	c6h7C=>c6h6+h	1.00E+10	0.0	0.0
2290.	c6h7C+o2=c6h6+ho2	1.00E+12	0.0	0.0
2291.	c6h7C+ho2=c6h6+h2o2	1.00E+12	0.0	0.0
2292.	c6h7C+oh=c6h6+h2o	6.02E+12	0.0	0.0
2293.	c6h7C+o=c6h6+oh	1.80E+13	0.0	0.0
2294.	c6h7C+h=c6h6+h2	3.16E+12	0.0	0.0
2295.	c6h7C+ch3=c6h6+ch4	1.00E+13	0.0	0.0
2296.	c6h7C+c2h3=c6h6+c2h4	4.00E+12	0.0	0.0
2297.	c6h7C+c2h5=c6h6+c2h6	4.00E+12	0.0	0.0
2298.	c6h7C+ac3h5=c6h6+c3h6	4.00E+12	0.0	0.0
2299.	c6h7C+sc3h5=c6h6+c3h6	4.00E+12	0.0	0.0
2300.	c6h7C+tc3h5=c6h6+c3h6	4.00E+12	0.0	0.0
2301.	c6h7C+hco=c6h6+ch2o	4.00E+12	0.0	0.0
2302.	c6h7C+c6h7C=c6h6+chd13	8.40E+10	0.0	-300.0
2303.	c6h7C+h=c6h615+h2	2.00E+13	0.0	0.0
2304.	c6h7C+ho2=>CPD+hco+oh	4.50E+12	0.0	0.0
2305.	c6h7C+o=CPD+hco	8.26E+13	0.0	0.0
2306.	cyc5h8=c3h6+c2h2	2.50E+13	0.0	62970.0
2307.	cyc5h8=CPD+h2	1.58E+13	0.0	59780.0
2308.	cyc5h8+o2=cyc5h7+ho2	1.28E+10	0.0	25000.0
2309.	cyc5h8+ho2=cyc5h7+h2o2	1.60E+11	0.0	17060.0
2310.	cyc5h8+oh=cyc5h7+h2o	4.80E+13	0.0	300.0
2311.	cyc5h8+o=cyc5h7+oh	2.78E+11	0.0	2508.0
2312.	cyc5h7=ac3h4+c2h3	3.16E+14	0.0	37000.0
2313.	cyc5h7=CPD+h	3.16E+15	0.0	36000.0
2314.	cyc5h7=c5h7	2.00E+13	0.0	30000.0
2315.	cyc5h7+o2=acrol+ch2hco	4.00E+10	0.0	5000.0
2316.	cyc5h7+o2=CPD+ho2	1.01E+12	0.0	13353.0
2317.	cyc5h7+ho2=CPD+h2o2	2.65E+12	0.0	0.0
2318.	cyc5h7+oh=CPD+h2o	6.02E+12	0.0	0.0
2319.	cyc5h7+o=CPD+oh	1.80E+13	0.0	0.0
2320.	cyc5h7+h=CPD+h2	3.16E+13	0.0	0.0
2321.	cyc6h12=3c2h4	8.22E+17	0.0	87225.0
2322.	cyc6h12=cyc6h11+h	3.00E+16	0.0	95000.0
2323.	cyc6h12+o2=cyc6h11+ho2	7.50E+13	0.0	49000.0
2324.	cyc6h12+ho2=cyc6h11+h2o2	1.20E+13	0.0	17057.0



2325.	cyc6h12+oh=cyc6h11+h2o	1.60E+07	2.0	-681.0
2326.	cyc6h12+o=cyc6h11+oh	1.54E+14	0.0	4497.0
2327.	cyc6h12+h=cyc6h11+h2	6.00E+14	0.0	8373.0
2328.	cyc6h12+ch3=cyc6h11+ch4	1.35E+12	0.0	9540.0
2329.	cyc6h12+c2h5=cyc6h11+c2h6	1.35E+12	0.0	9540.0
2330.	cyc6h12+c2h3=cyc6h11+c2h4	1.35E+12	0.0	9540.0
2331.	cyc6h12+ac3h5=>cyc6h11+c3h6	1.35E+12	0.0	9540.0
2332.	cyc6h12+sc3h5=cyc6h11+c3h6	1.35E+12	0.0	9540.0
2333.	cyc6h12+tc3h5=cyc6h11+c3h6	1.35E+12	0.0	9540.0
2334.	cyc6h12+Cc4h7-1=>cyc6h11+c4h8	7.00E+11	0.0	9540.0
2335.	cyc6h12+hco=cyc6h11+ch2o	1.35E+12	0.0	9540.0
2336.	cyc6h12+ch3o=cyc6h11+ch3oh	4.32E+11	0.0	4473.0
2337.	cyc6h11+o2=cyc6h10+ho2	1.00E+09	0.0	3000.0
2338.	cyc6h11+o=cyc6h10+oh	9.64E+13	0.0	0.0
2339.	cyc6h11+ho2=cyc6h10+h2o2	2.00E+12	0.0	2000.0
2340.	cyc6h11+oh=cyc6h10+h2o	4.80E+13	0.0	0.0
2341.	cyc6h11+h=cyc6h10+h2	2.00E+11	0.0	0.0
2342.	cyc6h11+ch3=cyc6h10+ch4	4.00E+12	0.0	0.0
2343.	cyc6h11+c2h3=cyc6h10+c2h4	4.00E+12	0.0	0.0
2344.	cyc6h11+c2h5=cyc6h10+c2h6	4.00E+12	0.0	0.0
2345.	cyc6h11+ac3h5=cyc6h10+c3h6	4.00E+11	0.0	0.0
2346.	cyc6h11+sc3h5=cyc6h10+c3h6	4.00E+11	0.0	0.0
2347.	cyc6h11+tc3h5=cyc6h10+c3h6	4.00E+12	0.0	0.0
2348.	cyc6h11+hco=cyc6h10+ch2o	4.00E+12	0.0	0.0
2349.	cyc6h11=cyc6h10+h	5.00E+12	0.0	40000.0
2350.	cyc6h11+o2=chxqjA	1.50E+09	0.0	0.0
2351.	chxqjA=cyc6h10+ho2	2.85E+12	0.0	29000.0
2352.	chxqjA=chxqArC	4.28E+09	1.0	28226.6
2353.	chxqArC=chxo-AC+oh	1.40E+12	0.0	20000.0
2354.	chxqArC+o2=chxqAqjC	1.84E+45	-11.1	6538.0
2355.	chxqAqjC=oh+chxoAqC	1.07E+09	1.0	24365.9
2356.	chxqAqjC=chxqAqCrE	2.14E+09	1.0	28226.6
2357.	chxoAqC=chxoAojC+oh	1.50E+16	0.0	42000.0
2358.	Fc6oAoC=chxoAojC	1.00E+08	0.9	5900.0
2359.	c2h4+ch2coch2hco=Fc6oAoC	1.32E+04	2.5	6130.0
2360.	ch2co+ch2hco=ch2coch2hco	1.76E+04	2.5	6130.0
2361.	Fc6oAoE=chxoAojC	1.00E+08	0.9	5900.0
2362.	ch2co+c3h6cho-1=Fc6oAoE	1.32E+04	2.5	6130.0
2363.	c6e5oAqC+oh=chxqAqCrE	4.76E+07	1.5	34700.0
2364.	c6e5oAojC+oh=c6e5oAqC	1.81E+13	0.0	0.0
2365.	ac3h5hco+ch2hco=c6e5oAojC	1.00E+11	0.0	3496.0
2366.	chxo-AC+oh=Cchxone+h2o	3.40E+06	1.9	-1451.0
2367.	chxo-AC+h=Cchxone+h2	1.20E+06	2.4	2583.0
2368.	chxo-AC+ch3=Cchxone+ch4	1.79E+04	2.3	6147.0
2369.	chxo-AC+ho2=Cchxone+h2o2	3.00E+04	2.5	12260.0
2370.	cyc6h10=c4h6+c2h4	1.50E+15	0.0	66900.0
2371.	cyc6h10+o2=cyc6h9+ho2	7.20E+13	0.0	34800.0
2372.	cyc6h10+o2=chxelrD+ho2	4.00E+13	0.0	50700.0
2373.	cyc6h10=cyc6h9+h	1.20E+15	0.0	83200.0
2374.	cyc6h10=chxelrD+h	1.20E+15	0.0	98900.0
2375.	cyc6h10=chd13+h2	5.00E+13	0.0	61700.0
2376.	cyc6h10+o=cyc6h9+oh	1.80E+11	0.7	3250.0
2377.	cyc6h10+h=cyc6h9+h2	1.10E+05	2.5	-1900.0
2378.	cyc6h10+oh=cyc6h9+h2o	6.00E+06	2.0	-1520.0
2379.	cyc6h10+ho2=cyc6h9+h2o2	1.30E+04	2.6	12400.0
2380.	cyc6h10+ch3=cyc6h9+ch4	2.00E+11	0.0	7300.0
2381.	cyc6h10+c2h3=cyc6h9+c2h4	2.00E+11	0.0	7300.0
2382.	cyc6h10+c2h5=cyc6h9+c2h6	2.00E+11	0.0	7300.0
2383.	cyc6h10+ac3h5=cyc6h9+c3h6	2.00E+11	0.0	7300.0
2384.	cyc6h10+sc3h5=cyc6h9+c3h6	2.00E+11	0.0	7300.0
2385.	cyc6h10+tc3h5=cyc6h9+c3h6	2.00E+11	0.0	7300.0

2386.	cyc6h10+hco=cyc6h9+ch2o	2.00E+11	0.0	7300.0
2387.	cyc6h10+ch3o=cyc6h9+ch3oh	2.00E+11	0.0	7300.0
2388.	cyc6h10+o=chxelrD+oh	5.20E+13	0.0	5200.0
2389.	cyc6h10+h=chxelrD+h2	1.80E+07	2.0	5000.0
2390.	cyc6h10+oh=chxelrD+h2o	5.20E+06	2.0	-770.0
2391.	cyc6h10+ho2=chxelrD+h2o2	8.00E+11	0.0	15500.0
2392.	cyc6h10+ch3=chxelrD+ch4	4.00E+11	0.0	9600.0
2393.	chxone+oh=Bchxone+h2o	1.69E+12	0.0	-228.0
2394.	chxone+h=Bchxone+h2	8.92E+06	2.0	3200.0
2395.	chxone+o2=Bchxone+ho2	3.10E+13	0.0	41970.0
2396.	chxone+ho2=Bchxone+h2o2	4.00E+11	0.0	8698.0
2397.	chxone+ch3=Bchxone+ch4	3.48E+00	3.5	3680.0
2398.	chxone+o=Bchxone+oh	6.14E+13	0.0	3400.0
2399.	chxone+oh=Cchxone+h2o	1.10E+13	0.0	790.0
2400.	chxone+h=Cchxone+h2	2.60E+06	2.4	2583.0
2401.	chxone+o2=Cchxone+ho2	1.40E+13	0.0	49910.0
2402.	chxone+ho2=Cchxone+h2o2	1.93E+04	2.6	13910.0
2403.	chxone+ch3=Cchxone+ch4	3.02E+00	3.5	5481.0
2404.	chxone+o=Cchxone+oh	1.10E+06	2.5	2830.0
2405.	chxone+oh=Dchxone+h2o	5.50E+12	0.0	790.0
2406.	chxone+h=Dchxone+h2	1.30E+06	2.4	2583.0
2407.	chxone+o2=Dchxone+ho2	7.00E+12	0.0	49910.0
2408.	chxone+ho2=Dchxone+h2o2	9.51E+03	2.6	13910.0
2409.	chxone+ch3=Dchxone+ch4	1.51E+00	3.5	5481.0
2410.	chxone+o=Dchxone+oh	5.50E+05	2.5	2830.0
2411.	Bchxone=h+chxe2oA	1.20E+13	0.0	38200.0
2412.	Bchxone+o2=chxe2oA+ho2	1.00E+09	0.0	0.0
2413.	Fc6eloC=Bchxone	1.00E+08	0.9	5900.0
2414.	Cchxone=h+chxe2oA	1.20E+13	0.0	33820.0
2415.	Cchxone=h+chxe3oA	1.20E+13	0.0	38115.0
2416.	Cchxone+o2=chxe2oA+ho2	1.00E+09	0.0	0.0
2417.	Cchxone+o2=chxe3oA+ho2	1.00E+09	0.0	0.0
2418.	c6e5oyA=Cchxone	1.00E+08	0.9	5900.0
2419.	Ac6e5oC=Cchxone	1.00E+08	0.9	5900.0
2420.	c2h4+ac3h5co=Ac6e5oC	1.00E+11	0.0	7800.0
2421.	Dchxone=h+chxe3oA	1.20E+13	0.0	37315.0
2422.	Dchxone+o2=chxe3oA+ho2	1.00E+09	0.0	0.0
2423.	Ac6e5oB=Dchxone	1.00E+08	0.9	5900.0
2424.	ch2co+Dc4h7-1=Ac6e5oB	3.33E+10	0.0	6397.0
2425.	Bchxone+o2=chxoqjB	2.43E+39	-9.0	8620.0
2426.	chxoqjB=DchxoqB	3.72E+11	0.0	24076.6
2427.	DchxoqB+o2=chxoqBqjD	7.54E+12	0.0	0.0
2428.	DchxoqB=c6e5oAoB+oh	5.50E+13	0.0	25500.0
2429.	chxoqBqjD=chxoAoBqD+oh	1.00E+16	0.0	43000.0
2430.	chxoAoBqD=chxoAoBojD+oh	1.00E+16	0.0	43000.0
2431.	Fc6oAoDoE=chxoAoBojD	1.00E+08	0.9	5900.0
2432.	Fc6oAoCoD=chxoAoBojD	1.00E+08	0.9	5900.0
2433.	Fc6oAoDoE=ch2co+choch2ch2co	2.00E+13	0.0	21350.0
2434.	Fc6oAoCoD=c2h4+2co+ch2hco	2.00E+13	0.0	28700.0
2435.	c6e5oAoB+oh=c6e5oyAoB+h2o	2.30E+10	0.7	-1100.0
2436.	c6e5oAoB+h=c6e5oyAoB+h2	4.10E+09	1.2	2405.0
2437.	c6e5oAoB+ho2=c6e5oyAoB+h2o2	3.00E+12	0.0	12000.0
2438.	c6e5oAoB+ch3=c6e5oyAoB+ch4	7.60E+00	3.4	3740.0
2439.	c6e5oAoB+o2=c6e5oyAoB+ho2	3.00E+13	0.0	39200.0
2440.	c6e5oyAoB=c4h7co-1+co	2.00E+13	0.0	28700.0
2441.	c6e5oyAoB+ho2=>c4h7co-1+co2+oh	2.00E+13	0.0	0.0
2442.	c6e5oA+oh=c6e5oyA+h2o	4.20E+12	0.0	500.0
2443.	c6e5oA+h=c6e5oyA+h2	4.00E+13	0.0	4200.0
2444.	c6e5oA+ho2=c6e5oyA+h2o2	1.00E+12	0.0	10000.0
2445.	c6e5oyA=Ec5h9-1+co	2.00E+13	0.0	28700.0
2446.	c6e5oyA+ho2=>Ec5h9-1+co2+oh	2.00E+13	0.0	0.0

2447.	c6e5oA+oh=h2o+c4h6+ch2hco	1.41E+07	1.8	974.0
2448.	c6e5oA+ho2=h2o2+c4h6+ch2hco	1.20E+13	0.0	19400.0
2449.	c6e5oA+ch3=ch4+c4h6+ch2hco	1.30E+12	0.0	11600.0
2450.	c6e5oA+h=h2+c4h6+ch2hco	5.70E+07	2.0	7700.0
2451.	c6e5oA+o=oh+c4h6+ch2hco	4.36E+06	2.4	5500.0
2452.	chxe2oA+o2=>Dchxe2oA+ho2	4.00E+12	0.0	40000.0
2453.	chxe2oA+ho2=>Dchxe2oA+h2o2	1.00E+11	0.0	17060.0
2454.	chxe2oA+oh=>Dchxe2oA+h2o	4.19E+06	2.0	-543.0
2455.	chxe2oA+o=>Dchxe2oA+oh	2.60E+12	0.0	4500.0
2456.	chxe2oA+h=>Dchxe2oA+h2	1.95E+13	0.0	4445.0
2457.	chxe2oA+ch3=>Dchxe2oA+ch4	1.00E+11	0.0	7300.0
2458.	chxe3oA+o2=>Dchxe2oA+ho2	4.00E+12	0.0	40000.0
2459.	chxe3oA+ho2=>Dchxe2oA+h2o2	1.00E+11	0.0	17060.0
2460.	chxe3oA+oh=>Dchxe2oA+h2o	4.19E+06	2.0	-543.0
2461.	chxe3oA+o=>Dchxe2oA+oh	2.60E+12	0.0	4500.0
2462.	chxe3oA+h=>Dchxe2oA+h2	1.95E+13	0.0	4445.0
2463.	chxe3oA+ch3=>Dchxe2oA+ch4	1.00E+11	0.0	7300.0
2464.	Dchxe2oA+o2=ho2+che24one	5.90E+05	0.0	0.0
2465.	Ac6e3e5oB=Dchxe2oA	1.00E+08	0.9	5900.0
2466.	ch2co+nc4h5=Ac6e3e5oB	2.00E+11	0.0	2010.0
2467.	chxoAoD+oh=BchxoAoD+h2o	3.38E+12	0.0	-228.0
2468.	chxoAoD+h=BchxoAoD+h2	1.79E+07	2.0	3200.0
2469.	chxoAoD+ho2=BchxoAoD+h2o2	8.00E+11	0.0	8698.0
2470.	chxe2oAoD+h=BchxoAoD	6.25E+11	0.5	2620.0
2471.	c6e1oCoyF=BchxoAoD	1.00E+08	0.9	5900.0
2472.	c6e1oCoyF=co+pc2h4coc2h3	2.00E+13	0.0	28700.0
2473.	chxe2oAoD+oh=Echxe2oAoD+h2o	1.69E+12	0.0	-228.0
2474.	chxe2oAoD+h=Echxe2oAoD+h2	8.96E+06	2.0	3200.0
2475.	chxe2oAoD+ho2=Echxe2oAoD+h2o2	4.00E+11	0.0	8698.0
2476.	c6h4o2+h=Echxe2oAoD	6.25E+11	0.5	2620.0
2477.	c6e2e5oyAoD=Echxe2oAoD	1.00E+08	0.9	5900.0
2478.	c6e2e5oyAoD=co+c2h3co+c2h2	2.00E+13	0.0	28700.0
2479.	Gc7h13-1=mchA	1.00E+08	0.9	5900.0
2480.	Gc7h13-1=Cc7h13-1	1.00E+12	0.0	22880.0
2481.	Gc7h13-1=Dc7h13-1	1.00E+11	0.0	18100.0
2482.	c2h4+Ec5h9-1=Gc7h13-1	2.64E+04	2.5	6130.0
2483.	mchA+o2=mchel+ho2	8.00E+12	0.0	10000.0
2484.	mchA+h=mchel+h2	2.00E+11	0.0	0.0
2485.	mchA+oh=mchel+h2o	5.00E+13	0.0	0.0
2486.	mchA+o=mchel+oh	1.00E+14	0.0	0.0
2487.	mchA+ch3=mchel+ch4	4.00E+12	0.0	0.0
2488.	mchB=c2h4+isoph	2.00E+13	0.0	45000.0
2489.	mchB+h=mchel+h2	2.00E+11	0.0	0.0
2490.	mchB+oh=mchel+h2o	5.00E+13	0.0	0.0
2491.	mchB+o=mchel+oh	1.00E+14	0.0	0.0
2492.	mchB+ch3=mchel+ch4	4.00E+12	0.0	0.0
2493.	mchel=>c4h6+c3h6	1.00E+16	0.0	71000.0
2494.	mchel+oh=cyc6h11+ch2o	1.00E+12	0.0	0.0
2495.	mchel+oh=ch3+chxone	1.00E+12	0.0	0.0
2496.	mchel+h=mchB	2.64E+13	0.0	2160.0
2497.	mchel+h=mchA	1.32E+13	0.0	4660.0
2498.	mchel+h=Cmchel+h2	1.10E+05	2.5	-1900.0
2499.	mchel+o=Cmchel+oh	1.80E+11	0.7	3250.0
2500.	mchel+oh=Cmchel+h2o	6.00E+06	2.0	-1520.0
2501.	mchel+ho2=Cmchel+h2o2	1.30E+04	2.6	12400.0
2502.	mchel+ch3=Cmchel+ch4	2.00E+11	0.0	7300.0
2503.	mchel+o2=Dmchel+ho2	4.00E+13	0.0	50700.0
2504.	mchel+o=Dmchel+oh	5.20E+13	0.0	5200.0
2505.	mchel+h=Dmchel+h2	1.80E+07	2.0	5000.0
2506.	mchel+oh=Dmchel+h2o	5.20E+06	2.0	-770.0
2507.	mchel+ho2=Dmchel+h2o2	8.00E+11	0.0	15500.0

2508.	mche1+ch3=Dmche1+ch4	4.00E+11	0.0	9600.0
2509.	mche1+oh=BmchohA	4.75E+12	0.0	-782.0
2510.	BmchohA+o2=mchohAqjB	1.84E+45	-11.1	6538.0
2511.	mchohAqjB=>oh+ch2o+chxone	1.00E+16	0.0	25000.0
2512.	Cmche1=>c2h4+isopy	2.00E+13	0.0	38000.0
2513.	Cmche1=h+mche13	1.20E+13	0.0	43500.0
2514.	Cmche1+o2=ch2co+Ec5oA	3.01E+10	0.0	2870.0
2515.	Dmche1+o2=ho2+mche13	9.60E+12	0.0	2500.0
2516.	Dmche1=h+mche13	3.20E+13	0.0	34500.0
2517.	Dmche1+o2=ho2+mche14	9.60E+12	0.0	5000.0
2518.	Dmche1=h+mche14	3.00E+13	0.0	33800.0
2519.	mche13+h=Emche13+h2	6.55E+12	0.0	4445.0
2520.	mche13+o=Emche13+oh	1.30E+12	0.0	4500.0
2521.	mche13+oh=Emche13+h2o	3.00E+12	0.0	1230.0
2522.	mche13+ho2=Emche13+h2o2	1.00E+11	0.0	17060.0
2523.	mche13+ch3=Emche13+ch4	2.00E+11	0.0	6800.0
2524.	mche13+h=Gmche13+h2	6.55E+12	0.0	4445.0
2525.	mche13+o=Gmche13+oh	1.30E+12	0.0	4500.0
2526.	mche13+oh=Gmche13+h2o	3.00E+12	0.0	1230.0
2527.	mche13+ho2=Gmche13+h2o2	1.00E+11	0.0	17060.0
2528.	mche13+ch3=Gmche13+ch4	2.00E+11	0.0	6800.0
2529.	mche14+h=Emche13+h2	5.50E+04	2.5	-1900.0
2530.	mche14+o=Emche13+oh	9.00E+10	0.7	3250.0
2531.	mche14+oh=Emche13+h2o	3.00E+06	2.0	-1520.0
2532.	mche14+ho2=Emche13+h2o2	6.50E+03	2.6	12400.0
2533.	mche14+ch3=Emche13+ch4	1.00E+11	0.0	7300.0
2534.	mche14+h=Gmche14+h2	5.50E+04	2.5	-1900.0
2535.	mche14+o=Gmche14+oh	9.00E+10	0.7	3250.0
2536.	mche14+oh=Gmche14+h2o	3.00E+06	2.0	-1520.0
2537.	mche14+ho2=Gmche14+h2o2	6.50E+03	2.6	12400.0
2538.	mche14+ch3=Gmche14+ch4	1.00E+11	0.0	7300.0
2539.	mche14+h=Fmche14+h2	5.50E+04	2.5	-1900.0
2540.	mche14+o=Fmche14+oh	9.00E+10	0.7	3250.0
2541.	mche14+oh=Fmche14+h2o	3.00E+06	2.0	-1520.0
2542.	mche14+ho2=Fmche14+h2o2	6.50E+03	2.6	12400.0
2543.	mche14+ch3=Fmche14+ch4	1.00E+11	0.0	7300.0
2544.	Gmche13+o2=mche136+ho2	2.00E+09	0.0	-1506.0
2545.	Emche13+o2=mche135+ho2	2.00E+09	0.0	-1506.0
2546.	Gmche14+o2=mche135+ho2	9.60E+12	0.0	2500.0
2547.	Fmche14+o2=mche135+ho2	9.60E+12	0.0	2500.0
2548.	mche135+h=phch2+h2	5.50E+04	2.5	-1900.0
2549.	mche135+o=phch2+oh	9.00E+10	0.7	3250.0
2550.	mche135+oh=phch2+h2o	3.00E+06	2.0	-1520.0
2551.	mche135+ho2=phch2+h2o2	6.50E+03	2.6	12400.0
2552.	mche135+ch3=phch2+ch4	1.00E+11	0.0	7300.0
2553.	mche136+h=phch2+h2	5.50E+04	2.5	-1900.0
2554.	mche136+o=phch2+oh	9.00E+10	0.7	3250.0
2555.	mche136+oh=phch2+h2o	3.00E+06	2.0	-1520.0
2556.	mche136+ho2=phch2+h2o2	6.50E+03	2.6	12400.0
2557.	mche136+ch3=phch2+ch4	1.00E+11	0.0	7300.0
2558.	mchoA+oh=chxco+h2o	4.20E+12	0.0	500.0
2559.	mchoA+h=chxco+h2	4.00E+13	0.0	4200.0
2560.	mchoA+ho2=chxco+h2o2	1.00E+12	0.0	10000.0
2561.	chxco=cyc6h11+co	2.00E+13	0.0	28700.0
2562.	chxco+ho2=>cyc6h11+co2+oh	2.00E+13	0.0	0.0
2563.	c7e6oyA=AmchoC	1.00E+08	0.9	5900.0
2564.	Gc7e1oC=AmchoC	1.00E+08	0.9	5900.0
2565.	c2h4+Ec5e1oC=Gc7e1oC	1.32E+04	2.5	6130.0
2566.	c2h4+c2h3co=Ec5e1oC	1.00E+11	0.0	7800.0
2567.	Ac7e6oB=AmchoD	1.00E+08	0.9	5900.0
2568.	Gc7e1oD=AmchoD	1.00E+08	0.9	5900.0

2569.	Cc5h9-1+ch2co=Ac7e6oB	1.00E+11	0.0	11900.0	
2570.	c2h4+Ac5e4oB=Gc7e1oD	1.32E+04	2.5	6130.0	
2571.	ch2co+ac3h5=Ac5e4oB	1.00E+11	0.0	11900.0	
2572.	Gc7e1oF=AmchoD	1.00E+08	0.9	5900.0	
2573.	ch2co+Ec5h9-1=Gc7e1oF	1.76E+04	2.5	6130.0	
2574.	echA=c2h4+cyc6h11	2.00E+13	0.0	29000.0	
2575.	echA+o2=echel+ho2	8.00E+12	0.0	10000.0	
2576.	echA+h=echel+h2	2.00E+11	0.0	0.0	
2577.	echA+oh=echel+h2o	5.00E+13	0.0	0.0	
2578.	echA+o=echel+oh	1.00E+14	0.0	0.0	
2579.	echA+ch3=echel+ch4	4.00E+12	0.0	0.0	
2580.	echel=>c4h6+c2h4+c2h4	1.00E+16	0.0	71000.0	
2581.	echel+oh=mchA+ch2o	2.60E+13	0.0	0.0	
2582.	echel+h=Cechel+h2	9.75E+12	0.0	4445.0	
2583.	echel+o=Cechel+oh	1.30E+12	0.0	4500.0	
2584.	echel+oh=Cechel+h2o	2.09E+06	2.0	-543.0	
2585.	echel+ho2=Cechel+h2o2	5.00E+10	0.0	17060.0	
2586.	echel+o2=Cechel+ho2	2.00E+12	0.0	40000.0	
2587.	echel+ch3=Cechel+ch4	5.00E+10	0.0	7300.0	
2588.	Cechel=>2c2h4+ic4h5	2.00E+13	0.0	38900.0	
2589.	echoA+oh=>h2o+echoyA	4.20E+12	0.0	500.0	
2590.	echoA+h=>h2+echoyA	4.00E+13	0.0	4200.0	
2591.	echoA+ho2=>h2o2+echoyA	1.00E+12	0.0	10000.0	
2592.	echoyA=>co+mchA	2.00E+13	0.0	28700.0	
2593.	echoyA+ho2=>oh+co2+mchA	2.00E+13	0.0	0.0	
2594.	echoAoD+oh=echoyAoD+h2o	4.20E+12	0.0	500.0	
2595.	echoAoD+h=echoyAoD+h2	4.00E+13	0.0	4200.0	
2596.	echoAoD+ho2=echoyAoD+h2o2	1.00E+12	0.0	10000.0	
2597.	echoyAoD=AmchoC+co	2.00E+13	0.0	28700.0	
2598.	echoyAoD+ho2=>AmchoC+co2+oh	2.00E+13	0.0	0.0	
2599.	mchoAoC+oh=h2o+mchoyAoC	4.20E+12	0.0	500.0	
2600.	mchoAoC+h=h2+mchoyAoC	4.00E+13	0.0	4200.0	
2601.	mchoAoC+ho2=h2o2+mchoyAoC	1.00E+12	0.0	10000.0	
2602.	mchoyAoC=co+Bchxone	2.00E+13	0.0	28700.0	
2603.	mchoyAoC+ho2=>Bchxone+co2+oh	2.00E+13	0.0	0.0	
2604.	c6h615=hex1245	1.80E+11	0.0	35804.0	
2605.	hex1245=mc6h6	5.00E+11	0.0	22081.0	
2606.	mc6h6=fulvene	4.26E+13	0.0	49282.0	
2607.	mc6h6=c6h6	3.79E+13	0.0	22000.0	
2608.	CPD+o2=c5h5+ho2	2.00E+13	0.0	25000.0	
2609.	CPD+ho2=c5h5+h2o2	2.00E+12	0.0	11660.0	
2610.	CPD+oh=c5h5+h2o	3.43E+09	1.2	-447.0	
2611.	CPD+h=c5h5+h2	2.19E+08	1.8	3000.0	
2612.	CPD+h=c3h3+c2h4	2.00E+14	0.0	10000.0	
2613.	CPD+o=c5h5+oh	1.81E+13	0.0	3080.0	
2614.	CPD+ch3=c5h5+ch4	3.11E+11	0.0	5500.0	
2615.	CPD+c2h3=c5h5+c2h4	3.11E+11	0.0	5500.0	
2616.	CPD+c2h5=c5h5+c2h6	3.11E+11	0.0	5500.0	
2617.	CPD+nc4h5=c5h5+c4h6	3.11E+11	0.0	5500.0	
2618.	CPD+ic4h5=c5h5+c4h6	3.11E+11	0.0	5500.0	
2619.	CPD+c6h5=c5h5+c6h6	3.11E+11	0.0	5500.0	
2620.	CPD+o2=>c3h4o+ch2co	3.00E+08	0.0	3000.0	
2621.	c5h5+ho2=c5h5o+oh	3.00E+13	0.0	0.0	
2622.	c5h5+oh=c5h4oh+h	9.00E+13	0.0	0.0	
2623.	c5h5+oh=c4h6+co	4.00E+14	0.0	4500.0	
2624.	c5h5+h(+m)=CPD(+m)	1.00E+14	0.0	0.0	
	Low pressure limit:	0.44000E+81	-0.18280E+02	0.12994E+05	
	TROE centering:	0.68000E-01	0.40000E+03	0.41360E+04	0.55000E+04
2625.	c5h5+o=c5h4o+h	5.81E+13	0.0	20.0	
2626.	c5h5+o=nc4h5+co	2.00E+14	0.0	0.0	
2627.	c5h4oh=c5h4o+h	2.10E+13	0.0	48000.0	

2628.	c5h5o=nc4h5+co	2.51E+11	0.0	43900.0
2629.	c5h4o+h=nc4h5+co	2.10E+61	-13.3	40810.0
2630.	c5h4o=>co+c4h4	1.00E+12	0.0	53000.0
2631.	c3h3+ac3h4=c6h6+h	1.40E+12	0.0	12800.0
2632.	c3h3+pc3h4=c6h6+h	1.40E+12	0.0	12800.0
2633.	c4h4+c2h3=c6h6+h	1.90E+12	0.0	3510.0
2634.	nc4h3+c2h3=c6h6	2.87E+14	0.0	817.0
2635.	c6h6=c4h4+c2h2	9.00E+15	0.0	107430.0
2636.	c6h6+o2=c6h5+ho2	6.30E+13	0.0	60000.0
2637.	c6h6+ho2=c6h5+h2o2	5.40E+04	2.5	27620.0
2638.	c6h6+oh=c6h5+h2o	1.69E+13	0.0	4574.0
2639.	c6h6+h=c6h5+h2	2.50E+14	0.0	16000.0
2640.	c6h6+o=c6h5o+h	3.56E+01	3.8	940.0
2641.	c6h6+ch3=c6h5+ch4	2.00E+12	0.0	15000.0
2642.	c6h6+c2h5=c6h5+c2h6	2.00E+12	0.0	15000.0
2643.	c6h6+c2h3=c6h5+c2h4	2.00E+12	0.0	15000.0
2644.	c6h6+nc4h5=c6h5+c4h6	2.00E+12	0.0	15000.0
2645.	c6h6+ic4h5=c6h5+c4h6	2.00E+12	0.0	15000.0
2646.	c6h6+o=c6h5+oh	2.00E+13	0.0	14700.0
2647.	nc4h3+c2h2=c6h5	2.80E+03	2.9	1400.0
2648.	c6h5+o2=c6h5o+o	6.27E+12	0.0	7470.0
2649.	c6h4o2=c5h4o+co	1.00E+12	0.0	40000.0
2650.	c6h5+h=c6h6	2.20E+14	0.0	0.0
2651.	c6h5+ho2=c6h5o+oh	5.00E+13	0.0	1000.0
2652.	c6h5+oh=c6h5o+h	5.00E+13	0.0	0.0
2653.	c6h5+c2h=phc2h	3.00E+08	0.0	1391.0
2654.	c6h5+c2h4=styren+h	1.43E+08	1.2	3540.0
2655.	c6h5+c2h2=phc2h+h	1.00E+13	0.0	7647.0
2656.	c6h5+c4h2=phc2h+c2h	2.00E+13	0.0	0.0
2657.	c6h5+c4h4=phc2h+c2h3	1.00E+13	0.0	7647.0
2658.	c6h5oh+oh=c6h5o+h2o	6.00E+12	0.0	0.0
2659.	c6h5oh+h=c6h6+oh	2.21E+13	0.0	7910.0
2660.	c6h5oh+h=c6h5o+h2	1.15E+14	0.0	12400.0
2661.	c6h5oh+o=c6h5o+oh	2.81E+13	0.0	7352.0
2662.	c6h5oh+ch3=c6h5o+ch4	3.00E+02	3.0	7650.0
2663.	c6h5oh+c2h5=c6h5o+c2h6	3.00E+02	3.0	7650.0
2664.	c6h5oh+c2h3=c6h5o+c2h4	3.00E+02	3.0	7650.0
2665.	c6h5oh+nc4h5=c6h5o+c4h6	3.00E+02	3.0	7650.0
2666.	c6h5oh+ic4h5=c6h5o+c4h6	3.00E+02	3.0	7650.0
2667.	c6h5o+CPD=c6h5oh+c5h5	3.20E+11	0.0	8000.0
2668.	c6h5oh+c6h5=c6h5o+c6h6	3.00E+02	3.0	7650.0
2669.	c6h5o=c5h5+co	7.40E+11	0.0	43917.0
2670.	c6h5o+h(+m)=c6h5oh(+m)	2.50E+14	0.0	0.0
	Low pressure limit:	0.10000E+95	-0.21840E+02	0.13880E+05
	TROE centering:	0.43000E-01	0.30400E+03	0.60000E+05 0.59000E+04
2671.	c6h5o+h=CPD+co	1.06E+53	-10.7	41360.0
2672.	c6h5o+o=c5h5+co2	1.00E+13	0.0	0.0
2673.	che24one=>c6h5o+h	1.40E+15	0.0	54000.0
2674.	che24one+h=cyc5h7+co	2.51E+13	0.0	4700.0
2675.	che24one+o2=c6h5o+ho2	4.00E+12	0.0	40000.0
2676.	che24one+ho2=c6h5o+h2o2	9.63E+03	2.6	13910.0
2677.	che24one+oh=c6h5o+h2o	3.12E+06	2.0	-298.0
2678.	che24one+o=c6h5o+oh	2.60E+12	0.0	4500.0
2679.	che24one+h=c6h5o+h2	1.95E+13	0.0	4445.0
2680.	che24one+ch3=c6h5o+ch4	1.00E+11	0.0	7300.0
2681.	nc4h5+ac3h4=toluen+h	2.00E+11	0.0	3700.0
2682.	nc4h5+pc3h4=toluen+h	6.32E+11	0.0	3700.0
2683.	toluen=c6h5+ch3	1.40E+16	0.0	99800.0
2684.	toluen=phch2+h	3.00E+15	0.0	88194.0
2685.	toluen+o2=phch2+ho2	3.00E+14	0.0	43062.0
2686.	toluen+ho2=phch2+h2o2	3.00E+14	0.0	22010.0

2687.	toluen+oh=phch2+h2o	1.77E+05	2.4	-602.0
2688.	toluen+oh=c6h5oh+ch3	7.83E+02	2.9	3221.0
2689.	toluen+o=phch2+oh	6.30E+11	0.0	0.0
2690.	toluen+h=phch2+h2	1.26E+14	0.0	8364.0
2691.	toluen+h=c6h6+ch3	2.40E+13	0.0	5123.0
2692.	toluen+ch3=phch2+ch4	8.88E+10	0.0	8754.0
2693.	toluen+c2h5=phch2+c2h6	1.01E+11	0.0	9514.0
2694.	toluen+c6h5=phch2+c6h6	2.10E+12	0.0	4400.0
2695.	toluen+nc4h5=phch2+c4h6	4.00E+12	0.0	7500.0
2696.	toluen+c2h3=phch2+c2h4	4.00E+12	0.0	7500.0
2697.	phch2=c4h4+c3h3	2.00E+14	0.0	83600.0
2698.	phch2=c5h5+c2h2	6.03E+13	0.0	70000.0
2699.	phch2+o2=phhco+oh	6.31E+12	0.0	43000.0
2700.	phch2+ho2=phch2o+oh	2.00E+13	0.0	0.0
2701.	phch2+oh=phch2oh	2.00E+13	0.0	0.0
2702.	phch2+o=phhco+h	1.58E+13	0.0	0.0
2703.	phch2+o=c6h5+ch2o	1.00E+13	0.0	0.0
2704.	phch2+c3h3=toluen+c3h2	1.00E+12	0.0	0.0
2705.	phch2+c6h5oh=toluen+c6h5o	1.05E+11	0.0	9500.0
2706.	phch2oh+o2=>phhco+ho2+h	2.00E+14	0.0	41400.0
2707.	phch2oh+oh=>phhco+h2o+h	8.43E+12	0.0	2583.0
2708.	phch2oh+h=c6h6+ch2oh	1.20E+13	0.0	5148.0
2709.	phch2oh+phch2=>phhco+toluen+h	2.11E+11	0.0	9500.0
2710.	phch2oh+c6h5=>phhco+c6h6+h	1.40E+12	0.0	4400.0
2711.	phch2o=phhco+h	1.30E+14	0.0	1100.0
2712.	phhco=phco+h	3.98E+15	0.0	83701.0
2713.	phhco+o2=phco+ho2	1.02E+13	0.0	39000.0
2714.	phhco+ho2=phco+h2o2	2.00E+12	0.0	11665.0
2715.	phhco+oh=phco+h2o	1.71E+09	1.2	-447.0
2716.	phhco+oh=c6h5oh+hco	1.20E+13	0.0	5123.0
2717.	phhco+o=phco+oh	9.04E+12	0.0	3080.0
2718.	phhco+h=phco+h2	5.00E+13	0.0	4928.0
2719.	phhco+h=c6h6+hco	1.20E+13	0.0	5148.0
2720.	phhco+ch3=phco+ch4	2.77E+03	2.8	5773.0
2721.	phhco+c6h5=phco+c6h6	7.01E+11	0.0	4400.0
2722.	phco=c6h5+co	3.98E+14	0.0	29401.0
2723.	phco+o2=c6h5o+co2	3.00E+10	0.0	2870.0
2724.	phco+ho2=>c6h5+co2+oh	2.00E+13	0.0	0.0
2725.	phc2h5=c6h6+c2h4	1.15E+09	0.0	51699.0
2726.	phc2h5=phch2+ch3	5.00E+16	0.0	78127.0
2727.	phc2h5=c6h5+c2h5	5.00E+16	0.0	100399.0
2728.	phc2h5=Bphc2h4+h	2.51E+15	0.0	81260.0
2729.	phc2h5=Aphc2h4+h	8.00E+15	0.0	100226.0
2730.	phc2h5+o2=Aphc2h4+ho2	4.00E+13	0.0	50620.0
2731.	phc2h5+o2=Bphc2h4+ho2	4.00E+13	0.0	38220.0
2732.	phc2h5+h=c2h5+c6h6	2.40E+13	0.0	5123.0
2733.	phc2h5+h=Aphc2h4+h2	7.20E+08	1.5	7412.0
2734.	phc2h5+h=Bphc2h4+h2	3.30E+07	2.0	5346.0
2735.	phc2h5+oh=Aphc2h4+h2o	1.99E+07	1.8	1133.0
2736.	phc2h5+oh=Bphc2h4+h2o	7.09E+06	1.9	-1159.0
2737.	phc2h5+o=Aphc2h4+oh	5.00E+08	1.5	5802.0
2738.	phc2h5+o=Bphc2h4+oh	5.49E+05	2.5	2140.0
2739.	phc2h5+ho2=Aphc2h4+h2o2	1.80E+04	2.5	16792.0
2740.	phc2h5+ho2=Bphc2h4+h2o2	6.80E+03	2.5	10115.0
2741.	phc2h5+ch3=Aphc2h4+ch4	2.75E-01	4.0	8287.0
2742.	phc2h5+ch3=Bphc2h4+ch4	7.50E-01	3.5	4485.0
2743.	Aphc2h4=styren+h	3.16E+13	0.0	50670.0
2744.	Aphc2h4=c6h5+c2h4	1.00E+14	0.0	35000.0
2745.	Bphc2h4=styren+h	1.80E+13	0.0	47025.0
2746.	Bphc2h4+o2=styren+ho2	1.58E+12	0.0	15200.0
2747.	Bphc2h4+o=c6h5+ch3hco	1.60E+13	0.0	0.0

2748.	Bphc2h4+o=phhco+ch3	1.60E+13	0.0	0.0
2749.	Bphc2h4+oh=phhco+ch4	1.60E+13	0.0	0.0
2750.	Bphc2h4+ho2=>phhco+ch3+oh	5.00E+12	0.0	0.0
2751.	nc4h5+c4h4=styren+h	3.16E+11	0.0	3700.0
2752.	c4h4+c4h4=styren	1.48E+14	0.0	38003.0
2753.	c6h5+c2h3=styren	1.00E+13	0.0	0.0
2754.	styren=c6h6+c2h2	1.60E+11	0.0	58438.0
2755.	styren=ASTYRYL+h	5.00E+15	0.0	109400.0
2756.	styren=BSTYRYL+h	5.00E+15	0.0	109400.0
2757.	styren+o2=ASTYRYL+ho2	4.00E+13	0.0	59800.0
2758.	styren+o2=BSTYRYL+ho2	4.00E+13	0.0	59800.0
2759.	styren+oh=ASTYRYL+h2o	5.00E+12	0.0	6936.0
2760.	styren+oh=BSTYRYL+h2o	5.00E+12	0.0	5936.0
2761.	styren+h=ASTYRYL+h2	5.00E+13	0.0	15009.0
2762.	styren+h=BSTYRYL+h2	5.00E+13	0.0	14009.0
2763.	styren+ho2=ASTYRYL+h2o2	7.50E+10	0.0	14190.0
2764.	styren+ho2=BSTYRYL+h2o2	7.50E+10	0.0	13190.0
2765.	styren+o=phch2+hco	1.20E+08	1.4	530.0
2766.	styren+o=c6h5+ch2hco	6.00E+07	1.4	530.0
2767.	styren+c6h5=ASTYRYL+c6h6	2.00E+11	0.0	20000.0
2768.	styren+c6h5=BSTYRYL+c6h6	2.00E+11	0.0	19000.0
2769.	styren+c6h5o=ASTYRYL+c6h5oh	2.00E+11	0.0	20000.0
2770.	styren+c6h5o=BSTYRYL+c6h5oh	2.00E+11	0.0	19000.0
2771.	styren+c5h5=ASTYRYL+CPD	2.00E+11	0.0	20000.0
2772.	styren+c5h5=BSTYRYL+CPD	2.00E+11	0.0	19000.0
2773.	styren+oh=c6h4c2h3+h2o	1.63E+07	1.4	1454.0
2774.	styren+h=>c6h4c2h3+h2	1.90E+07	2.0	9698.0
2775.	styren+ho2=>phch2+hco+oh	2.50E+12	1.0	25000.0
2776.	styren+ho2=>phhco+ch2+oh	2.50E+12	1.0	25000.0
2777.	styren+h=c6h6+c2h3	2.40E+13	0.0	5123.0
2778.	ASTYRYL+h=BSTYRYL+h	1.00E+14	0.0	0.0
2779.	ASTYRYL=c6h5+c2h2	1.00E+14	0.0	36850.0
2780.	ASTYRYL=phc2h+h	3.00E+12	0.0	37830.0
2781.	ASTYRYL+o2=phhco+hco	2.00E+11	0.0	14000.0
2782.	ASTYRYL+c6h5=phc2h+c6h6	1.00E+13	0.0	0.0
2783.	BSTYRYL+o2=phco+ch2o	2.00E+11	0.0	14000.0
2784.	BSTYRYL+o=c6h5+ch2co	1.60E+13	0.0	0.0
2785.	BSTYRYL=phc2h+h	3.00E+12	0.0	48030.0
2786.	BSTYRYL+c6h5=phc2h+c6h6	1.00E+13	0.0	0.0
2787.	BSTYRYL+oh=phc2h+h2o	2.00E+13	0.0	0.0
2788.	BSTYRYL+h=phc2h+h2	5.00E+13	0.0	0.0
2789.	phch2hco+o2=>phch2co+ho2	2.00E+13	0.5	42200.0
2790.	phch2hco+ho2=>phch2co+h2o2	4.09E+04	2.5	10204.0
2791.	phch2hco+oh=>phch2co+h2o	2.69E+08	1.4	-1574.0
2792.	phch2hco+o=>phch2co+oh	5.85E+12	0.0	1808.0
2793.	phch2hco+h=>phch2co+h2	4.09E+09	1.2	2404.0
2794.	phch2hco+ch3=>phch2co+ch4	3.50E-08	6.2	1639.0
2795.	phch2hco=>phch2+hco	5.00E+16	0.0	71600.0
2796.	phch2hco+h=c6h6+ch2hco	5.78E+13	0.0	8088.0
2797.	phch2co=phch2+co	3.98E+14	0.0	29401.0
2798.	phch2co+o2=phch2o+co2	3.00E+10	0.0	2870.0
2799.	phch2co+ho2=>phch2+co2+oh	2.00E+13	0.0	0.0
2800.	phcoch2=c6h5+ch2co	2.00E+13	0.0	51940.0
2801.	phc2h+oh=>c6h6+hcco	1.00E+13	0.0	0.0
2802.	phc2h+h=c6h4c2h+h2	5.00E+13	-0.5	1500.0
2803.	phc2h+oh=c6h4c2h+h2o	1.05E+13	0.0	4565.0
2804.	phc2h+c2h=c6h4c2h+c2h2	2.00E+13	0.0	0.0
2805.	phc2h+o=c6h5cco+h	4.80E+09	1.0	0.0
2806.	phc2h+ch3=c6h4c2h+ch4	1.67E+12	0.0	15057.0
2807.	c6h4c2h+c2h2=A1c2hAC	1.90E+21	-2.9	8100.0
2808.	c6h4c2h+c2h2=A2-X	5.10E+48	-10.5	28000.0



2809.	c6h4c2h+h=phc2h	4.20E+11	0.5	-71.7
2810.	c6h5cco+o2=phco+co2	1.00E+12	0.0	0.0
2811.	pbz=c6h5+nc3h7	1.00E+17	0.0	86500.0
2812.	pbz=phch2+c2h5	8.00E+15	0.0	73500.0
2813.	pbz=Aphc2h4+ch3	1.00E+17	0.0	77500.0
2814.	pbz=pbzjA+h	9.00E+15	0.0	100210.0
2815.	pbz=pbzjB+h	6.00E+15	0.0	99110.0
2816.	pbz=pbzjC+h	6.00E+15	0.0	86210.0
2817.	pbz+o2=pbzjA+ho2	4.00E+13	0.0	50600.0
2818.	pbz+o2=pbzjB+ho2	4.00E+13	0.0	49500.0
2819.	pbz+o2=pbzjC+ho2	4.00E+13	0.0	35800.0
2820.	pbz+h=nc3h7+c6h6	2.40E+13	0.0	5123.0
2821.	pbz+h=pbzjA+h2	1.33E+06	2.5	6756.0
2822.	pbz+h=pbzjB+h2	1.30E+06	2.4	4470.0
2823.	pbz+h=pbzjC+h2	1.01E+04	2.9	1931.0
2824.	pbz+o=pbzjA+oh	1.93E+05	2.7	3716.0
2825.	pbz+o=pbzjB+oh	4.77E+04	2.7	2106.0
2826.	pbz+o=pbzjC+oh	4.77E+04	2.7	1106.0
2827.	pbz+oh=pbzjA+h2o	3.16E+07	1.8	934.0
2828.	pbz+oh=pbzjB+h2o	7.08E+06	1.9	-159.0
2829.	pbz+oh=pbzjC+h2o	2.65E+12	0.0	0.0
2830.	pbz+ho2=pbzjA+h2o2	4.76E+04	2.5	16494.0
2831.	pbz+ho2=pbzjB+h2o2	9.64E+03	2.6	13910.0
2832.	pbz+ho2=pbzjC+h2o2	9.64E+03	2.6	12910.0
2833.	pbz+ch3=pbzjA+ch4	2.75E-01	3.6	7150.0
2834.	pbz+ch3=pbzjB+ch4	6.00E+11	0.0	10120.0
2835.	pbz+ch3=pbzjC+ch4	6.00E+11	0.0	10120.0
2836.	pbz+c2h3=pbzjA+c2h4	6.00E+02	3.3	10502.0
2837.	pbz+c2h3=pbzjB+c2h4	1.00E+03	3.1	8829.0
2838.	pbz+c2h3=pbzjC+c2h4	1.00E+03	3.1	8829.0
2839.	pbz+c2h5=pbzjA+c2h6	3.16E+11	0.0	12300.0
2840.	pbz+c2h5=pbzjB+c2h6	5.01E+10	0.0	10400.0
2841.	pbz+c2h5=pbzjC+c2h6	5.01E+10	0.0	10400.0
2842.	pbz+ac3h5=pbzjA+c3h6	7.94E+11	0.0	20500.0
2843.	pbz+ac3h5=pbzjB+c3h6	7.94E+11	0.0	16200.0
2844.	pbz+ac3h5=pbzjC+c3h6	7.94E+11	0.0	16200.0
2845.	pbz+tc3h5=pbzjA+c3h6	7.94E+11	0.0	20500.0
2846.	pbz+tc3h5=pbzjB+c3h6	7.94E+11	0.0	16200.0
2847.	pbz+tc3h5=pbzjC+c3h6	7.94E+11	0.0	16200.0
2848.	pbz+sc3h5=pbzjA+c3h6	7.94E+11	0.0	20500.0
2849.	pbz+sc3h5=pbzjB+c3h6	7.94E+11	0.0	16200.0
2850.	pbz+sc3h5=pbzjC+c3h6	7.94E+11	0.0	16200.0
2851.	pbz+c6h5=pbzjA+c6h6	7.94E+11	0.0	20500.0
2852.	pbz+c6h5=pbzjB+c6h6	7.94E+11	0.0	16200.0
2853.	pbz+c6h5=pbzjC+c6h6	7.94E+11	0.0	16200.0
2854.	pbz+phch2=pbzjA+toluen	7.94E+11	0.0	20500.0
2855.	pbz+phch2=pbzjB+toluen	7.94E+11	0.0	16200.0
2856.	pbz+phch2=pbzjC+toluen	7.94E+11	0.0	16200.0
2857.	pbz+Bphc2h4=pbzjA+phc2h5	7.94E+11	0.0	2050.0
2858.	pbz+Bphc2h4=pbzjB+phc2h5	7.94E+11	0.0	1620.0
2859.	pbz+Bphc2h4=pbzjC+phc2h5	7.94E+11	0.0	1620.0
2860.	pbz+ch3o=pbzjA+ch3oh	3.18E+11	0.0	7050.0
2861.	pbz+ch3o=pbzjB+ch3oh	7.20E+10	0.0	4470.0
2862.	pbz+ch3o=pbzjC+ch3oh	7.20E+10	0.0	4470.0
2863.	pbzjB=BPHPROPY	2.00E+11	0.0	20000.0
2864.	pbzjA=phch2+c2h4	2.00E+13	0.0	12836.0
2865.	pbzjB=c6h5+c3h6	2.00E+13	0.0	35390.0
2866.	pbzjC=styren+ch3	1.00E+14	0.0	34860.0
2867.	BPHPROPY=styren+ch3	1.00E+14	0.0	24000.0
2868.	pbzjB+o=phch2+ch3hco	1.60E+13	0.0	0.0
2869.	pbzjB+oh=toluen+ch3hco	1.60E+13	0.0	0.0

2870.	pbzjB+ho2=>phch2+ch3hco+oh	5.00E+12	0.0	0.0
2871.	pbzjC+o=phhco+c2h5	1.60E+13	0.0	0.0
2872.	pbzjC+oh=phhco+c2h6	1.60E+13	0.0	0.0
2873.	pbzjC+ho2=>phhco+c2h5+oh	5.00E+12	0.0	0.0
2874.	phc3h5-1=phch2+c2h3	8.00E+15	0.0	88500.0
2875.	phc3h5-1=phc3h4+h	1.40E+15	0.0	86250.0
2876.	phc3h5-1+h=phc3h4+h2	2.63E+14	0.0	8820.0
2877.	phc3h5-1+o=phc3h4+oh	4.00E+11	0.7	-2100.0
2878.	phc3h5-1+oh=phc3h4+h2o	3.12E+06	2.0	-1300.0
2879.	phc3h5-1+ho2=phc3h4+h2o2	2.66E+11	0.0	11270.0
2880.	phc3h5-1+o2=phc3h4+ho2	1.95E+12	0.0	38000.0
2881.	phc3h5-1+ch3=phc3h4+ch4	1.90E+12	0.0	9010.0
2882.	phc3h5-1+c6h5=phc3h4+c6h6	2.80E+12	0.0	11220.0
2883.	phc3h5-1+phch2=phc3h4+toluen	2.80E+12	0.0	11220.0
2884.	phc3h5-1+Aphc2h4=phc3h4+phc2h5	2.80E+12	0.0	11220.0
2885.	phc3h5-1+h=c6h6+ac3h5	2.40E+13	0.0	5123.0
2886.	phc3h5-1+ho2=>Aphc2h4+hco+oh	2.50E+12	1.0	25000.0
2887.	phc3h5-1+ho2=>phch2co+ch3+oh	2.50E+12	1.0	25000.0
2888.	phc3h5-1+o=styren+ch2o	7.02E+07	1.6	-1628.0
2889.	phc3h5-1+o=phhco+c2h4	4.69E+07	1.6	-1628.0
2890.	phc3h5-1+oh=>Aphc2h4+ch2o	1.00E+12	0.0	0.0
2891.	phc3h5-1+oh=>phch2hco+ch3	1.00E+12	0.0	0.0
2892.	phc3h5-2=ASTYRYL+ch3	3.00E+17	0.0	99000.0
2893.	phc3h5-2=c6h5+sc3h5	8.00E+15	0.0	163800.0
2894.	phc3h5-2=phc3h4+h	2.10E+15	0.0	88230.0
2895.	phc3h5-2+h=phc3h4+h2	5.00E+13	0.0	3900.0
2896.	phc3h5-2+o=phc3h4+oh	1.75E+11	0.7	5884.0
2897.	phc3h5-2+oh=phc3h4+h2o	2.25E+13	0.0	2217.0
2898.	phc3h5-2+ho2=phc3h4+h2o2	3.20E+12	0.0	14900.0
2899.	phc3h5-2+o2=phc3h4+ho2	1.95E+12	0.0	39000.0
2900.	phc3h5-2+ch3=phc3h4+ch4	1.00E+11	0.0	7300.0
2901.	phc3h5-2+c6h5=phc3h4+c6h6	2.80E+12	0.0	11220.0
2902.	phc3h5-2+phch2=phc3h4+toluen	2.80E+12	0.0	11220.0
2903.	phc3h5-2+Aphc2h4=phc3h4+phc2h5	2.80E+12	0.0	11220.0
2904.	phc3h5-2+o=phhco+c2h4	7.00E+07	1.6	-628.0
2905.	phc3h5-2+o=styren+ch2o	4.70E+07	1.6	-628.0
2906.	phc3h5-2+oh=>phhco+c2h5	2.60E+13	0.0	0.0
2907.	phc3h5-2+oh=>phch2+ch3hco	2.60E+13	0.0	0.0
2908.	phc3h5-2+oh=Cphc3h5ohB	4.75E+12	0.0	-782.0
2909.	phc3h5-2+oh=Bphc3h5ohC	4.75E+12	0.0	-782.0
2910.	phc3h4+ho2=Cophc3h4-1+oh	1.90E+12	0.0	-1200.0
2911.	phc3h4+ho2=Aophc3h4-2+oh	1.90E+12	0.0	-1200.0
2912.	phc3h4+ch3o2=Cophc3h4-1+ch3o	1.90E+12	0.0	-1200.0
2913.	phc3h4+ch3o2=Aophc3h4-2+ch3o	1.90E+12	0.0	-1200.0
2914.	phc3h4+c2h5o2=Cophc3h4-1+c2h5o	1.90E+12	0.0	-1200.0
2915.	phc3h4+c2h5o2=Aophc3h4-2+c2h5o	1.90E+12	0.0	-1200.0
2916.	phc3h4+nc3h7o2=Cophc3h4-1+nc3h7o	1.90E+12	0.0	-1200.0
2917.	phc3h4+nc3h7o2=Aophc3h4-2+nc3h7o	1.90E+12	0.0	-1200.0
2918.	phc3h4+ic3h7o2=Cophc3h4-1+ic3h7o	1.90E+12	0.0	-1200.0
2919.	phc3h4+ic3h7o2=Aophc3h4-2+ic3h7o	1.90E+12	0.0	-1200.0
2920.	phc3h4+o2=phhco+ch2hco	1.06E+10	0.3	12838.0
2921.	Cophc3h4-1=phhco+c2h3	7.94E+14	0.0	19000.0
2922.	Aophc3h4-2=ch2o+ASTYRYL	7.94E+14	0.0	19000.0
2923.	Cphc3h5ohB+o2=pbzohBqjC	4.58E+11	0.0	-378.0
2924.	Bphc3h5ohC+o2=pbzohCqjB	2.00E+12	0.0	0.0
2925.	Bphc3h5ohA+o2=pbzohAqjB	2.00E+12	0.0	0.0
2926.	Aphc3h5ohB+o2=pbzohBqjA	2.00E+12	0.0	0.0
2927.	pbzohBqjC=phhco+ch3hco+oh	1.00E+16	0.0	25000.0
2928.	pbzohCqjB=phhco+ch3hco+oh	1.00E+16	0.0	25000.0
2929.	pbzohAqjB=phch2hco+ch2o+oh	1.00E+16	0.0	25000.0
2930.	pbzohBqjA=phch2hco+ch2o+oh	1.00E+16	0.0	25000.0

2931.	phc2h4hco+o2=>phc2h4co+ho2	2.00E+13	0.5	42200.0
2932.	phc2h4hco+ho2=>phc2h4co+h2o2	1.70E+12	0.0	10700.0
2933.	phc2h4hco+oh=>phc2h4co+h2o	2.35E+10	0.7	-1113.0
2934.	phc2h4hco+o=>phc2h4co+oh	5.85E+12	0.0	1808.0
2935.	phc2h4hco+h=>phc2h4co+h2	5.54E+02	3.5	5167.0
2936.	phc2h4hco+ch3=>phc2h4co+ch4	2.25E+00	4.0	8285.0
2937.	phc2h4hco=>Aphc2h4+hco	5.00E+16	0.0	72250.0
2938.	phc2h4co=Aphc2h4+co	8.00E+13	0.0	30000.0
2939.	phc2h4co+ho2=>Aphc2h4+co2+oh	2.00E+13	0.0	0.0
2940.	phch2coch2=phch2+ch2co	4.00E+13	0.0	13500.0
2941.	phcoc2h4=phco+c2h4	4.00E+13	0.0	27870.0
2942.	phcoc2h4+o2=phcoc2h3+ho2	5.00E+12	0.0	5000.0
2943.	phcoc2h3=>phco+c2h3	1.22E+23	-2.0	83950.0
2944.	phcoc2h3=>c6h5+c2h3co	1.22E+23	-2.0	83950.0
2945.	phch2+phch2=c14h14	2.51E+11	0.4	0.0
2946.	c5h5+c5h5=napht+h2	1.00E+13	0.0	7000.0
2947.	c5h5+c5h5=napht+h+h	2.00E+13	0.0	4000.0
2948.	A1c2h3AC=napht+h	1.00E+10	0.0	4780.1
2949.	phch2+c3h3=c10h10	1.00E+10	0.0	0.0
2950.	napht+h=c10h9	5.00E+14	0.0	5000.0
2951.	napht=A2-X+h	4.50E+15	0.0	107433.1
2952.	napht+h=A2-X+h2	2.50E+14	0.0	15999.0
2953.	napht+oh=A2-X+h2o	1.63E+08	1.4	1450.8
2954.	napht+ch3=A2-X+ch4	2.00E+12	0.0	15060.0
2955.	napht+o=A2O+h	2.23E+13	0.0	4530.7
2956.	napht+o=A2-X+oh	2.00E+13	0.0	14704.0
2957.	napht+o2=A2-X+ho2	6.30E+13	0.0	60000.0
2958.	A2-X+ho2=A2O+oh	5.00E+13	0.0	999.0
2959.	A2-X+o2=A2O+o	2.09E+12	0.0	7468.9
2960.	A2-X+oh=A2O+h	5.00E+13	0.0	0.0
2961.	A2O+h=A2oh	5.06E+14	0.0	0.0
2962.	A2O=>indenyl+co	7.40E+11	0.0	43853.0
2963.	A2oh+oh=A2O+h2o	3.00E+13	0.0	0.0
2964.	A2oh+h=A2O+h2	1.15E+14	0.0	12399.6
2965.	A2oh+h=napht+oh	2.23E+13	0.0	7927.8
2966.	A2oh+o=A2O+oh	1.26E+13	0.0	2899.1
2967.	c10h10+oh=c10h9+h2o	5.00E+06	2.0	0.0
2968.	c10h10+o=c10h9+oh	7.00E+11	0.7	6000.0
2969.	c10h10+h=c10h9+h2	2.00E+05	2.5	2500.0
2970.	c10h9+h=c10h10	1.00E+14	0.0	0.0
2971.	c6h4c2h3+c2h2=A1c2h3AC	5.00E+12	0.0	0.0
2972.	pch=c2h5+mchA	6.50E+16	0.0	84000.0
2973.	pch=ch3+echA	6.50E+16	0.0	85000.0
2974.	pch=nc3h7+cyc6h11	6.50E+16	0.0	84000.0
2975.	pch=>c2h4+c2h4+c5h10	1.30E+17	0.0	84000.0
2976.	pch=>c2h4+nc3h7+Dc4h7-1	1.30E+17	0.0	84000.0
2977.	pch=>3c2h4+c3h6	1.30E+17	0.0	84000.0
2978.	pch=pchA+h	9.00E+15	0.0	100220.0
2979.	pch=pchB+h	6.00E+15	0.0	99120.0
2980.	pch=pchC+h	6.00E+15	0.0	99120.0
2981.	pch=pchD+h	3.00E+15	0.0	99520.0
2982.	pch=pchE+h	6.00E+15	0.0	99520.0
2983.	pch=pchF+h	6.00E+15	0.0	99520.0
2984.	pch=pchG+h	6.00E+15	0.0	99520.0
2985.	pch+o2=pchA+ho2	2.10E+13	0.0	50610.0
2986.	pch+o2=pchB+ho2	1.40E+13	0.0	49510.0
2987.	pch+o2=pchC+ho2	1.40E+13	0.0	49510.0
2988.	pch+o2=pchD+ho2	7.00E+11	0.0	49910.0
2989.	pch+o2=pchE+ho2	1.40E+13	0.0	49910.0
2990.	pch+o2=pchF+ho2	1.40E+13	0.0	49910.0
2991.	pch+o2=pchG+ho2	1.40E+13	0.0	49910.0

2992.	pch+oh=pchA+h2o	3.16E+07	1.8	934.0
2993.	pch+oh=pchB+h2o	3.00E+09	1.0	260.0
2994.	pch+oh=pchC+h2o	3.00E+09	1.0	260.0
2995.	pch+oh=pchD+h2o	5.50E+12	0.0	790.0
2996.	pch+oh=pchE+h2o	1.10E+13	0.0	790.0
2997.	pch+oh=pchF+h2o	1.10E+13	0.0	790.0
2998.	pch+oh=pchG+h2o	5.50E+12	0.0	790.0
2999.	pch+ho2=pchA+h2o2	2.38E+04	2.5	16494.0
3000.	pch+ho2=pchB+h2o2	9.64E+03	2.6	13910.0
3001.	pch+ho2=pchC+h2o2	9.64E+03	2.6	13910.0
3002.	pch+ho2=pchD+h2o2	3.61E+03	2.5	10532.0
3003.	pch+ho2=pchE+h2o2	1.93E+04	2.6	13910.0
3004.	pch+ho2=pchF+h2o2	1.93E+04	2.6	13910.0
3005.	pch+ho2=pchG+h2o2	9.64E+03	2.6	13910.0
3006.	pch+h=pchA+h2	6.68E+05	2.5	6756.0
3007.	pch+h=pchB+h2	1.30E+06	2.4	4471.0
3008.	pch+h=pchC+h2	1.30E+06	2.4	4471.0
3009.	pch+h=pchD+h2	6.02E+05	2.4	2583.0
3010.	pch+h=pchE+h2	2.60E+06	2.4	4471.0
3011.	pch+h=pchF+h2	2.60E+06	2.4	4471.0
3012.	pch+h=pchG+h2	1.30E+06	2.4	4471.0
3013.	pch+o=pchA+oh	1.87E+06	2.4	5505.0
3014.	pch+o=pchB+oh	5.49E+05	2.5	3140.0
3015.	pch+o=pchC+oh	5.49E+05	2.5	3140.0
3016.	pch+o=pchD+oh	3.83E+05	2.4	1140.0
3017.	pch+o=pchE+oh	1.10E+06	2.5	2830.0
3018.	pch+o=pchF+oh	1.10E+06	2.5	2830.0
3019.	pch+o=pchG+oh	5.51E+05	2.5	2830.0
3020.	pch+ch3=pchA+ch4	1.50E+12	0.0	11710.0
3021.	pch+ch3=pchB+ch4	8.07E+11	0.0	10110.0
3022.	pch+ch3=pchC+ch4	8.07E+11	0.0	10110.0
3023.	pch+ch3=pchD+ch4	6.01E-10	6.4	893.0
3024.	pch+ch3=pchE+ch4	3.02E+00	3.5	5481.0
3025.	pch+ch3=pchF+ch4	3.02E+00	3.5	5481.0
3026.	pch+ch3=pchG+ch4	1.51E+00	3.5	5481.0
3027.	pch+c2h5=pchA+c2h6	4.52E-01	3.6	9141.0
3028.	pch+c2h5=pchB+c2h6	1.21E+00	3.5	7472.0
3029.	pch+c2h5=pchC+c2h6	1.21E+00	3.5	7472.0
3030.	pch+c2h5=pchD+c2h6	6.01E-10	6.4	893.0
3031.	pch+c2h5=pchE+c2h6	3.02E+00	3.5	5481.0
3032.	pch+c2h5=pchF+c2h6	3.02E+00	3.5	5481.0
3033.	pch+c2h5=pchG+c2h6	1.51E+00	3.5	5481.0
3034.	pch+c2h3=pchA+c2h4	3.00E+02	3.3	10502.0
3035.	pch+c2h3=pchB+c2h4	1.00E+03	3.1	8829.0
3036.	pch+c2h3=pchC+c2h4	1.00E+03	3.1	8829.0
3037.	pch+c2h3=pchD+c2h4	6.01E-10	6.4	893.0
3038.	pch+c2h3=pchE+c2h4	3.02E+00	3.5	5481.0
3039.	pch+c2h3=pchF+c2h4	3.02E+00	3.5	5481.0
3040.	pch+c2h3=pchG+c2h4	1.51E+00	3.5	5481.0
3041.	pch+ac3h5=pchA+c3h6	2.17E+02	3.3	19852.0
3042.	pch+ac3h5=pchB+c3h6	7.87E+01	3.3	18163.0
3043.	pch+ac3h5=pchC+c3h6	7.87E+01	3.3	18163.0
3044.	pch+ac3h5=pchD+c3h6	6.01E-10	6.4	893.0
3045.	pch+ac3h5=pchE+c3h6	3.02E+00	3.5	5481.0
3046.	pch+ac3h5=pchF+c3h6	3.02E+00	3.5	5481.0
3047.	pch+ac3h5=pchG+c3h6	1.51E+00	3.5	5481.0
3048.	pch+sc3h5=pchA+c3h6	2.17E+02	3.3	19852.0
3049.	pch+sc3h5=pchB+c3h6	7.87E+01	3.3	18163.0
3050.	pch+sc3h5=pchC+c3h6	7.87E+01	3.3	18163.0
3051.	pch+sc3h5=pchD+c3h6	6.01E-10	6.4	893.0
3052.	pch+sc3h5=pchE+c3h6	3.02E+00	3.5	5481.0

3053.	pch+sc3h5=pchF+c3h6	3.02E+00	3.5	5481.0
3054.	pch+sc3h5=pchG+c3h6	1.51E+00	3.5	5481.0
3055.	pch+tc3h5=pchA+c3h6	2.17E+02	3.3	19852.0
3056.	pch+tc3h5=pchB+c3h6	7.87E+01	3.3	18163.0
3057.	pch+tc3h5=pchC+c3h6	7.87E+01	3.3	18163.0
3058.	pch+tc3h5=pchD+c3h6	6.01E-10	6.4	893.0
3059.	pch+tc3h5=pchE+c3h6	3.02E+00	3.5	5481.0
3060.	pch+tc3h5=pchF+c3h6	3.02E+00	3.5	5481.0
3061.	pch+tc3h5=pchG+c3h6	1.51E+00	3.5	5481.0
3062.	pch+hco=pchA+ch2o	1.02E+05	2.5	18441.0
3063.	pch+hco=pchB+ch2o	1.08E+07	1.9	17010.0
3064.	pch+hco=pchC+ch2o	1.08E+07	1.9	17010.0
3065.	pch+hco=pchD+ch2o	2.25E+11	0.0	9540.0
3066.	pch+hco=pchE+ch2o	4.50E+11	0.0	9540.0
3067.	pch+hco=pchF+ch2o	4.50E+11	0.0	9540.0
3068.	pch+hco=pchG+ch2o	2.25E+11	0.0	9540.0
3069.	pch+ch3o=pchA+ch3oh	1.59E+11	0.0	7050.0
3070.	pch+ch3o=pchB+ch3oh	7.20E+10	0.0	4470.0
3071.	pch+ch3o=pchC+ch3oh	7.20E+10	0.0	4470.0
3072.	pch+ch3o=pchD+ch3oh	2.29E+10	0.0	2873.0
3073.	pch+ch3o=pchE+ch3oh	2.90E+11	0.0	4571.0
3074.	pch+ch3o=pchF+ch3oh	2.90E+11	0.0	4571.0
3075.	pch+ch3o=pchG+ch3oh	1.45E+11	0.0	4571.0
3076.	pch+Dc4h7-1=pchA+c4h8	4.52E-01	3.6	9141.0
3077.	pch+Dc4h7-1=pchB+c4h8	1.21E+00	3.5	7472.0
3078.	pch+Dc4h7-1=pchC+c4h8	1.21E+00	3.5	7472.0
3079.	pch+Dc4h7-1=pchD+c4h8	6.01E-10	6.4	893.0
3080.	pch+Dc4h7-1=pchE+c4h8	3.02E+00	3.5	5481.0
3081.	pch+Dc4h7-1=pchF+c4h8	3.02E+00	3.5	5481.0
3082.	pch+Dc4h7-1=pchG+c4h8	1.51E+00	3.5	5481.0
3083.	pchA=mchA+c2h4	2.00E+13	0.0	42000.0
3084.	pchB=cyc6h11+c3h6	2.00E+13	0.0	42000.0
3085.	pchC=eche1+ch3	2.00E+13	0.0	45000.0
3086.	pchC=>c2h4+c2h4+Cc5h9-1	2.00E+13	0.0	42000.0
3087.	pchD=c2h5+mche1	2.00E+13	0.0	42000.0
3088.	pchE=cyc6h10+nc3h7	5.00E+12	0.0	39500.0
3089.	pchD=>c2h4+p2c4h614	2.00E+13	0.0	45000.0
3090.	pchE=>c2h4+c4h6+nc3h7	2.00E+13	0.0	44000.0
3091.	pchF=>c5h10+Dc4h7-1	1.00E+13	0.0	50000.0
3092.	pchF=>c2h5+c7h12-16	2.00E+13	0.0	45000.0
3093.	pchF=>c2h4+Dc7h13-1	2.00E+13	0.0	45000.0
3094.	pchG=>c5h10+Dc4h7-1	2.00E+13	0.0	50000.0
3095.	pchG=>nc3h7+c6h10-15	2.00E+13	0.0	45000.0
3096.	pchA=pche1+h	2.40E+13	0.0	36450.0
3097.	pchB=pche1+h	3.60E+13	0.0	36050.0
3098.	pchB=pche2+h	2.40E+13	0.0	33250.0
3099.	pchC=pche2+h	2.40E+13	0.0	33250.0
3100.	pchC=pche3+h	1.20E+13	0.0	30370.0
3101.	pchD=pche3+h	2.40E+13	0.0	29970.0
3102.	pchD=pche4+h	4.80E+13	0.0	31690.0
3103.	pchE=pche4+h	1.20E+13	0.0	31690.0
3104.	pchE=pche5+h	2.40E+13	0.0	32625.0
3105.	pchF=pche5+h	2.40E+13	0.0	32625.0
3106.	pchF=pche6+h	2.40E+13	0.0	32965.0
3107.	pchG=pche6+h	4.80E+13	0.0	32965.0
3108.	pchA+o2=pche1+ho2	1.90E+12	0.0	5000.0
3109.	pchB+o2=pche1+ho2	2.85E+12	0.0	5000.0
3110.	pchB+o2=pche2+ho2	1.90E+12	0.0	5000.0
3111.	pchC+o2=pche2+ho2	1.90E+12	0.0	5000.0
3112.	pchC+o2=pche3+ho2	9.50E+11	0.0	5000.0
3113.	pchD+o2=pche3+ho2	1.90E+12	0.0	5000.0

3114.	pchD+o2=pche4+ho2	3.80E+12	0.0	5000.0
3115.	pchE+o2=pche4+ho2	9.50E+11	0.0	5000.0
3116.	pchE+o2=pche5+ho2	1.90E+12	0.0	5000.0
3117.	pchF+o2=pche5+ho2	1.90E+12	0.0	5000.0
3118.	pchF+o2=pche6+ho2	1.90E+12	0.0	5000.0
3119.	pchG+o2=pche6+ho2	3.80E+12	0.0	5000.0
3120.	pchA+o=ch2o+echA	2.00E+13	0.0	4000.0
3121.	pchB+o=ch3hco+mchA	2.00E+13	0.0	4000.0
3122.	pchB+o=ch3+echoA	2.00E+13	0.0	4000.0
3123.	pchC+o=ethco+cyc6h11	2.00E+13	0.0	4000.0
3124.	pchC+o=c2h5+mchoA	2.00E+13	0.0	4000.0
3125.	pchD+o=nc3h7+chxone	2.00E+13	0.0	4000.0
3126.	pchE+o=>c5h10+c2h4+ch2hco	2.00E+13	0.0	4000.0
3127.	pchE+o=>2c2h4+c2h5+acrol	2.00E+13	0.0	4000.0
3128.	pchF+o=>c5h10+c2h4+ch2hco	2.00E+13	0.0	4000.0
3129.	pchF+o=>ac3h5hco+c2h4+nc3h7	2.00E+13	0.0	4000.0
3130.	pchG+o=>c5h10+c2h4+ch2hco	2.00E+13	0.0	4000.0
3131.	pchA+oh=ch2o+ech	2.00E+13	0.0	4000.0
3132.	pchB+oh=ch3hco+mch	2.00E+13	0.0	4000.0
3133.	pchB+oh=ch4+echoA	2.00E+13	0.0	4000.0
3134.	pchC+oh=ethco+cyc6h12	2.00E+13	0.0	4000.0
3135.	pchC+oh=c2h6+mchoA	2.00E+13	0.0	4000.0
3136.	pchD+oh=c3h8+chxone	2.00E+13	0.0	4000.0
3137.	pchE+oh=>c5h10+c2h4+ch3hco	2.00E+13	0.0	4000.0
3138.	pchE+oh=>2c2h4+c2h6+acrol	2.00E+13	0.0	4000.0
3139.	pchF+oh=>c5h10+c2h4+ch3hco	2.00E+13	0.0	4000.0
3140.	pchF+oh=>ac3h5hco+c2h4+c3h8	2.00E+13	0.0	4000.0
3141.	pchG+oh=>c5h10+c2h4+ch3hco	2.00E+13	0.0	4000.0
3142.	pchA+ho2=>ch2o+echA+oh	5.00E+12	0.0	0.0
3143.	pchB+ho2=>ch3hco+mchA+oh	5.00E+12	0.0	0.0
3144.	pchB+ho2=>ch3+echoA+oh	5.00E+12	0.0	0.0
3145.	pchC+ho2=>ethco+cyc6h11+oh	5.00E+12	0.0	0.0
3146.	pchC+ho2=>c2h5+mchoA+oh	5.00E+12	0.0	0.0
3147.	pchD+ho2=>nc3h7+chxone+oh	5.00E+12	0.0	0.0
3148.	pchE+ho2=>c5h10+c2h4+ch2hco+oh	5.00E+12	0.0	0.0
3149.	pchE+ho2=>2c2h4+c2h5+acrol+oh	5.00E+12	0.0	0.0
3150.	pchF+ho2=>c5h10+c2h4+ch2hco+oh	5.00E+12	0.0	0.0
3151.	pchF+ho2=>ac3h5hco+c2h4+nc3h7+oh	5.00E+12	0.0	0.0
3152.	pchG+ho2=>c5h10+c2h4+ch2hco+oh	5.00E+12	0.0	0.0
3153.	pchE=pchB	4.00E+11	0.0	16100.0
3154.	pchG=pchB	2.00E+11	0.0	18100.0
3155.	pchD=pchA	6.20E+09	0.6	26190.0
3156.	pchE=pchA	4.00E+11	0.0	11100.0
3157.	pchF=pchA	4.00E+11	0.0	18100.0
3158.	pchF=pchC	4.00E+11	0.0	18100.0
3159.	pchG=pchC	4.00E+11	0.0	11100.0
3160.	pchA+o2=pchqjA	4.82E+36	-8.2	5167.0
3161.	pchB+o2=pchqjB	1.84E+45	-11.1	6538.0
3162.	pchC+o2=pchqjC	1.84E+45	-11.1	6538.0
3163.	pchD+o2=pchqjD	1.84E+45	-11.1	6538.0
3164.	pchE+o2=pchqjE	1.84E+45	-11.1	6538.0
3165.	pchF+o2=pchqjF	1.84E+45	-11.1	6538.0
3166.	pchG+o2=pchqjG	1.84E+45	-11.1	6538.0
3167.	pchA+ho2=pchojA+oh	7.00E+12	0.0	-1000.0
3168.	pchB+ho2=pchojB+oh	7.00E+12	0.0	-1000.0
3169.	pchC+ho2=pchojC+oh	7.00E+12	0.0	-1000.0
3170.	pchD+ho2=pchojD+oh	7.00E+12	0.0	-1000.0
3171.	pchE+ho2=pchojE+oh	7.00E+12	0.0	-1000.0
3172.	pchF+ho2=pchojF+oh	7.00E+12	0.0	-1000.0
3173.	pchG+ho2=pchojG+oh	7.00E+12	0.0	-1000.0
3174.	pchA+ch3o2=pchojA+ch3o	7.00E+12	0.0	-1000.0

3175.	pchB+ch3o2=pchojB+ch3o	7.00E+12	0.0	-1000.0
3176.	pchC+ch3o2=pchojC+ch3o	7.00E+12	0.0	-1000.0
3177.	pchD+ch3o2=pchojD+ch3o	7.00E+12	0.0	-1000.0
3178.	pchE+ch3o2=pchojE+ch3o	7.00E+12	0.0	-1000.0
3179.	pchF+ch3o2=pchojF+ch3o	7.00E+12	0.0	-1000.0
3180.	pchG+ch3o2=pchojG+ch3o	7.00E+12	0.0	-1000.0
3181.	pchA+c2h5o2=pchojA+c2h5o	7.00E+12	0.0	-1000.0
3182.	pchB+c2h5o2=pchojB+c2h5o	7.00E+12	0.0	-1000.0
3183.	pchC+c2h5o2=pchojC+c2h5o	7.00E+12	0.0	-1000.0
3184.	pchD+c2h5o2=pchojD+c2h5o	7.00E+12	0.0	-1000.0
3185.	pchE+c2h5o2=pchojE+c2h5o	7.00E+12	0.0	-1000.0
3186.	pchF+c2h5o2=pchojF+c2h5o	7.00E+12	0.0	-1000.0
3187.	pchG+c2h5o2=pchojG+c2h5o	7.00E+12	0.0	-1000.0
3188.	pchA+nc3h7o2=pchojA+nc3h7o	7.00E+12	0.0	-1000.0
3189.	pchB+nc3h7o2=pchojB+nc3h7o	7.00E+12	0.0	-1000.0
3190.	pchC+nc3h7o2=pchojC+nc3h7o	7.00E+12	0.0	-1000.0
3191.	pchD+nc3h7o2=pchojD+nc3h7o	7.00E+12	0.0	-1000.0
3192.	pchE+nc3h7o2=pchojE+nc3h7o	7.00E+12	0.0	-1000.0
3193.	pchF+nc3h7o2=pchojF+nc3h7o	7.00E+12	0.0	-1000.0
3194.	pchG+nc3h7o2=pchojG+nc3h7o	7.00E+12	0.0	-1000.0
3195.	pchA+pchqjA=2pchojA	7.00E+12	0.0	-1000.0
3196.	pchB+pchqjA=pchojB+pchojA	7.00E+12	0.0	-1000.0
3197.	pchC+pchqjA=pchojC+pchojA	7.00E+12	0.0	-1000.0
3198.	pchD+pchqjA=pchojD+pchojA	7.00E+12	0.0	-1000.0
3199.	pchE+pchqjA=pchojE+pchojA	7.00E+12	0.0	-1000.0
3200.	pchF+pchqjA=pchojF+pchojA	7.00E+12	0.0	-1000.0
3201.	pchG+pchqjA=pchojG+pchojA	7.00E+12	0.0	-1000.0
3202.	pchA+pchqjB=pchojA+pchojB	7.00E+12	0.0	-1000.0
3203.	pchB+pchqjB=2pchojB	7.00E+12	0.0	-1000.0
3204.	pchC+pchqjB=pchojC+pchojB	7.00E+12	0.0	-1000.0
3205.	pchD+pchqjB=pchojD+pchojB	7.00E+12	0.0	-1000.0
3206.	pchE+pchqjB=pchojE+pchojB	7.00E+12	0.0	-1000.0
3207.	pchF+pchqjB=pchojF+pchojB	7.00E+12	0.0	-1000.0
3208.	pchG+pchqjB=pchojG+pchojB	7.00E+12	0.0	-1000.0
3209.	pchA+pchqjC=pchojA+pchojC	7.00E+12	0.0	-1000.0
3210.	pchB+pchqjC=pchojB+pchojC	7.00E+12	0.0	-1000.0
3211.	pchC+pchqjC=2pchojC	7.00E+12	0.0	-1000.0
3212.	pchD+pchqjC=pchojD+pchojC	7.00E+12	0.0	-1000.0
3213.	pchE+pchqjC=pchojE+pchojC	7.00E+12	0.0	-1000.0
3214.	pchF+pchqjC=pchojF+pchojC	7.00E+12	0.0	-1000.0
3215.	pchG+pchqjC=pchojG+pchojC	7.00E+12	0.0	-1000.0
3216.	pchA+pchqjD=pchojA+pchojD	7.00E+12	0.0	-1000.0
3217.	pchB+pchqjD=pchojB+pchojD	7.00E+12	0.0	-1000.0
3218.	pchC+pchqjD=pchojC+pchojD	7.00E+12	0.0	-1000.0
3219.	pchD+pchqjD=2pchojD	7.00E+12	0.0	-1000.0
3220.	pchE+pchqjD=pchojE+pchojD	7.00E+12	0.0	-1000.0
3221.	pchF+pchqjD=pchojF+pchojD	7.00E+12	0.0	-1000.0
3222.	pchG+pchqjD=pchojG+pchojD	7.00E+12	0.0	-1000.0
3223.	pchA+pchqjE=pchojA+pchojE	7.00E+12	0.0	-1000.0
3224.	pchB+pchqjE=pchojB+pchojE	7.00E+12	0.0	-1000.0
3225.	pchC+pchqjE=pchojC+pchojE	7.00E+12	0.0	-1000.0
3226.	pchD+pchqjE=pchojD+pchojE	7.00E+12	0.0	-1000.0
3227.	pchE+pchqjE=2pchojE	7.00E+12	0.0	-1000.0
3228.	pchF+pchqjE=pchojF+pchojE	7.00E+12	0.0	-1000.0
3229.	pchG+pchqjE=pchojG+pchojE	7.00E+12	0.0	-1000.0
3230.	pchA+pchqjF=pchojA+pchojF	7.00E+12	0.0	-1000.0
3231.	pchB+pchqjF=pchojB+pchojF	7.00E+12	0.0	-1000.0
3232.	pchC+pchqjF=pchojC+pchojF	7.00E+12	0.0	-1000.0
3233.	pchD+pchqjF=pchojD+pchojF	7.00E+12	0.0	-1000.0
3234.	pchE+pchqjF=pchojE+pchojF	7.00E+12	0.0	-1000.0
3235.	pchF+pchqjF=2pchojF	7.00E+12	0.0	-1000.0

3236.	pchG+pchqjF=pchojG+pchojF	7.00E+12	0.0	-1000.0
3237.	pchA+pchqjG=pchojA+pchojG	7.00E+12	0.0	-1000.0
3238.	pchB+pchqjG=pchojB+pchojG	7.00E+12	0.0	-1000.0
3239.	pchC+pchqjG=pchojC+pchojG	7.00E+12	0.0	-1000.0
3240.	pchD+pchqjG=pchojD+pchojG	7.00E+12	0.0	-1000.0
3241.	pchE+pchqjG=pchojE+pchojG	7.00E+12	0.0	-1000.0
3242.	pchF+pchqjG=pchojF+pchojG	7.00E+12	0.0	-1000.0
3243.	pchG+pchqjG=2pchojG	7.00E+12	0.0	-1000.0
3244.	pchojA=ch2o+echA	1.00E+15	0.0	21600.0
3245.	pchojB=ch3hco+mchA	7.94E+14	0.0	15300.0
3246.	pchojB=ch3+echoA	7.94E+14	0.0	15300.0
3247.	pchojC=ethco+cyc6h11	7.94E+14	0.0	15300.0
3248.	pchojC=c2h5+mchoA	7.94E+14	0.0	15300.0
3249.	pchojD=nc3h7+chxone	7.94E+14	0.0	15300.0
3250.	pchojG=EtDc7oArI	7.94E+14	0.0	15300.0
3251.	pchojF=EtDc7oIrA	7.94E+14	0.0	15300.0
3252.	pchojF=MeEc8oArI	7.94E+14	0.0	15300.0
3253.	pchojE=MeEc8oIrA	7.94E+14	0.0	15300.0
3254.	pchojE=Fc9oA	7.94E+14	0.0	15300.0
3255.	EtDc7oArI=c2h4+ch2hco+c5h10	2.00E+13	0.0	27750.0
3256.	EtDc7oArI=c2h4+c2h5+c4h7hco-1	2.00E+13	0.0	27750.0
3257.	EtDc7oArI+o2=EtDc7oAqjI	4.82E+36	-8.2	5167.0
3258.	EtDc7oAqjI=DEtDc7oAqI	2.87E+08	1.0	22000.0
3259.	DEtDc7oAqI+o2=EtDc7oAqIqjD	1.84E+45	-11.1	6538.0
3260.	EtDc7oAqIqjD=oh+EtDc7oAoIqD	2.87E+08	1.0	26000.0
3261.	EtDc7oAoIqD=oh+c6oAoC+ch2ch2hco	1.00E+16	0.0	43000.0
3262.	EtDc7oAoIqD=oh+c7oAoD+ch2hco	1.00E+16	0.0	43000.0
3263.	EtDc7oIrA=c2h4+ch2hco+c5h10	2.00E+13	0.0	28140.0
3264.	EtDc7oIrA=c2h4+nc3h7+ac3h5hco	2.00E+13	0.0	36400.0
3265.	EtDc7oIrA+o2=EtDc7oIqjA	1.84E+45	-11.1	6538.0
3266.	EtDc7oIqjA=CEtDc7oIqA	5.75E+08	1.0	25000.0
3267.	EtDc7oIqjA=DEtDc7oIqA	4.94E+07	1.0	19000.0
3268.	CEtDc7oIqA+o2=EtDc7oIqAqjC	4.82E+36	-8.2	5167.0
3269.	DEtDc7oIqA+o2=EtDc7oIqAqjD	4.82E+36	-8.2	5167.0
3270.	EtDc7oIqAqjC=oh+EtDc7oAoIqC	5.75E+08	1.0	26000.0
3271.	EtDc7oIqAqjD=oh+EtDc7oAoIqD	9.89E+07	1.0	23000.0
3272.	EtDc7oAoIqC=oh+hcoch2hco+Cc6oA	1.00E+16	0.0	43000.0
3273.	EtDc7oAoIqC=oh+ch2hco+MeCc6oAoG	1.00E+16	0.0	43000.0
3274.	MeEc8oArI=c3h6cho-1+c5h10	2.00E+13	0.0	29200.0
3275.	MeEc8oArI=c6e5oA+nc3h7	2.00E+13	0.0	33750.0
3276.	MeEc8oArI+o2=MeEc8oAqjI	1.84E+45	-11.1	6538.0
3277.	MeEc8oAqjI=DMeEc8oAqI	5.75E+08	1.0	25000.0
3278.	MeEc8oAqjI=FMeEc8oAqI	5.75E+08	1.0	25000.0
3279.	DMeEc8oAqI+o2=MeEc8oAqIqjD	4.82E+36	-8.2	5167.0
3280.	FMeEc8oAqI+o2=MeEc8oAqIqjF	4.82E+36	-8.2	5167.0
3281.	MeEc8oAqIqjD=oh+MeEc8oAoIqD	5.75E+08	1.0	26000.0
3282.	MeEc8oAqIqjF=oh+MeEc8oAoIqF	5.75E+08	1.0	26000.0
3283.	MeEc8oAoIqD=oh+ch2ch2hco+MeBc5oAoF	1.00E+16	0.0	43000.0
3284.	MeEc8oAoIqD=oh+choch2ch2cho+acrol+c2h5	1.00E+16	0.0	43000.0
3285.	MeEc8oAoIqF=oh+ethco+Bc6oAoF	1.00E+16	0.0	43000.0
3286.	acrol+ch2ch2hco=Bc6oAoF	1.50E+11	0.0	7200.0
3287.	MeCc6oAoG+oh=>h2o+MeCc6oyAoG	4.20E+12	0.0	500.0
3288.	MeCc6oAoG+h=>h2+MeCc6oyAoG	4.00E+13	0.0	4200.0
3289.	MeCc6oAoG+ho2=>h2o2+MeCc6oyAoG	1.00E+12	0.0	10000.0
3290.	MeCc6oyAoG=>co+acrol+nc3h7	2.00E+13	0.0	28700.0
3291.	MeCc6oyAoG+ho2=>oh+co2+acrol+nc3h7	2.00E+13	0.0	0.0
3292.	MeCc6oAoG+oh=>h2o+MeCc6oAoyG	4.20E+12	0.0	500.0
3293.	MeCc6oAoG+h=>h2+MeCc6oAoyG	4.00E+13	0.0	4200.0
3294.	MeCc6oAoG+ho2=>h2o2+MeCc6oAoyG	1.00E+12	0.0	10000.0
3295.	MeCc6oAoyG=>co+Cc6oA	2.00E+13	0.0	28700.0
3296.	MeCc6oAoyG+ho2=>oh+co2+Cc6oA	2.00E+13	0.0	0.0



3297.	MeEc8oIrA=>2c2h4+c2h5+acrol	2.00E+13	0.0	29440.0
3298.	MeEc8oIrA+o2=MeEc8oIqjA	1.84E+45	-11.1	6538.0
3299.	MeEc8oIqjA=CMeEc8oIqA	5.75E+08	1.0	25000.0
3300.	MeEc8oIqjA=DMeEc8oIqA	9.89E+07	1.0	22000.0
3301.	CMeEc8oIqA+o2=MeEc8oIqAqjC	4.82E+36	-8.2	5167.0
3302.	DMeEc8oIqA+o2=MeEc8oIqAqjD	4.82E+36	-8.2	5167.0
3303.	MeEc8oIqAqjC=oh+MeEc8oAoIqC	5.75E+08	1.0	26000.0
3304.	MeEc8oIqAqjD=oh+MeEc8oAoIqD	9.89E+07	1.0	23000.0
3305.	MeEc8oAoIqC=oh+ch2hco+MeCc6oAoG	1.00E+16	0.0	43000.0
3306.	MeEc8oAoIqC=oh+hcoch2hco+MeBc5oArF	1.00E+16	0.0	43000.0
3307.	Fc9oA=c5h10+c3h6cho-1	2.00E+13	0.0	29650.0
3308.	Fc9oA=c2h5+c7e6oA	2.00E+13	0.0	28210.0
3309.	Fc9oA+o2=c9oAqjF	1.84E+45	-11.1	6538.0
3310.	c9oAqjF=Cc9oAqF	9.89E+07	1.0	22000.0
3311.	c9oAqjF=Dc9oAqF	5.75E+08	1.0	25000.0
3312.	c9oAqjF=Hc9oAqF	5.75E+08	1.0	25000.0
3313.	Cc9oAqF+o2=c9oAqFqjC	1.84E+45	-11.1	6538.0
3314.	Dc9oAqF+o2=c9oAqFqjD	1.84E+45	-11.1	6538.0
3315.	Hc9oAqF+o2=c9oAqFqjH	1.84E+45	-11.1	6538.0
3316.	c9oAqFqjC=oh+c9oAoFqC	4.94E+07	1.0	21000.0
3317.	c9oAqFqjD=oh+c9oAoFqD	2.87E+08	1.0	23000.0
3318.	c9oAqFqjH=oh+c9oAoFqH	2.87E+08	1.0	23000.0
3319.	c9oAoFqC=oh+ch2hco+c7oAoD	1.00E+16	0.0	43000.0
3320.	c9oAoFqC=oh+hcoch2hco+Ac6oC	1.00E+16	0.0	43000.0
3321.	c9oAoFqD=oh+choch2ch2cho+nc3h7coch2	1.00E+16	0.0	43000.0
3322.	c9oAoFqD=oh+ch2ch2hco+c6oAoC	1.00E+16	0.0	43000.0
3323.	c9oAoFqH=oh+ch3hco+Ac7oBoG	1.00E+16	0.0	43000.0
3324.	pchqjA=BpchqA	3.35E+09	1.0	32500.0
3325.	pchqjA=CpchqA	5.75E+08	1.0	23000.0
3326.	pchqjA=DpchqA	4.94E+07	1.0	19000.0
3327.	pchqjB=ApchqB	5.02E+09	1.0	35500.0
3328.	pchqjB=CpchqB	3.35E+09	1.0	32500.0
3329.	pchqjB=DpchqB	2.87E+08	1.0	22000.0
3330.	pchqjB=EpchqB	1.22E+08	1.0	22645.3
3331.	pchqjC=ApchqC	8.62E+08	1.0	28000.0
3332.	pchqjC=BpchqC	3.35E+09	1.0	32500.0
3333.	pchqjC=DpchqC	1.67E+09	1.0	29500.0
3334.	pchqjC=EpchqC	7.13E+08	1.0	25645.3
3335.	pchqjC=FpchqC	7.13E+08	1.0	25226.6
3336.	pchqjD=ApchqD	1.48E+08	1.0	25000.0
3337.	pchqjD=BpchqD	5.75E+08	1.0	25000.0
3338.	pchqjD=CpchqD	3.35E+09	1.0	32500.0
3339.	pchqjD=EpchqD	4.15E+09	1.0	33145.3
3340.	pchqjD=FpchqD	4.28E+09	1.0	28226.6
3341.	pchqjD=GpchqD	3.43E+08	1.0	27305.9
3342.	pchqjE=ApchqE	1.58E+07	1.0	24645.3
3343.	pchqjE=BpchqE	6.13E+07	1.0	22645.3
3344.	pchqjE=CpchqE	3.56E+08	1.0	25645.3
3345.	pchqjE=DpchqE	1.04E+09	1.0	30145.3
3346.	pchqjE=FpchqE	2.07E+09	1.0	33145.3
3347.	pchqjE=GpchqE	2.14E+09	1.0	28226.6
3348.	pchqjE=HpchqE	3.43E+08	1.0	27305.9
3349.	pchqjE=IpchqE	2.14E+09	1.0	28226.6
3350.	pchqjF=ApchqF	1.63E+07	1.0	26226.6
3351.	pchqjF=BpchqF	6.32E+07	1.0	24226.6
3352.	pchqjF=CpchqF	3.68E+08	1.0	25226.6
3353.	pchqjF=DpchqF	1.07E+09	1.0	25226.6
3354.	pchqjF=EpchqF	2.07E+09	1.0	33145.3
3355.	pchqjF=GpchqF	2.07E+09	1.0	33145.3
3356.	pchqjF=HpchqF	2.14E+09	1.0	28226.6
3357.	pchqjF=IpchqF	3.43E+08	1.0	27305.9

3358.	pchqjG=DpchqG	1.71E+08	1.0	24305.9
3359.	pchqjG=EpchqG	4.28E+09	1.0	28226.6
3360.	pchqjG=FpchqG	4.15E+09	1.0	33145.3
3361.	pchqjA+ho2=pchqA+o2	1.00E+11	0.0	0.0
3362.	pchqjB+ho2=pchqB+o2	1.00E+11	0.0	0.0
3363.	pchqjC+ho2=pchqC+o2	1.00E+11	0.0	0.0
3364.	pchqjD+ho2=pchqD+o2	1.00E+11	0.0	0.0
3365.	pchqjE+ho2=pchqE+o2	1.00E+11	0.0	0.0
3366.	pchqjF+ho2=pchqF+o2	1.00E+11	0.0	0.0
3367.	pchqjG+ho2=pchqG+o2	1.00E+11	0.0	0.0
3368.	pchqjA+h2o2=pchqA+h2o	2.40E+12	0.0	10000.0
3369.	pchqjB+h2o2=pchqB+h2o	2.40E+12	0.0	10000.0
3370.	pchqjC+h2o2=pchqC+h2o	2.40E+12	0.0	10000.0
3371.	pchqjD+h2o2=pchqD+h2o	2.40E+12	0.0	10000.0
3372.	pchqjE+h2o2=pchqE+h2o	2.40E+12	0.0	10000.0
3373.	pchqjF+h2o2=pchqF+h2o	2.40E+12	0.0	10000.0
3374.	pchqjG+h2o2=pchqG+h2o	2.40E+12	0.0	10000.0
3375.	pchqjA+h2=pchqA+h	3.01E+13	0.0	26030.0
3376.	pchqjB+h2=pchqB+h	3.01E+13	0.0	26030.0
3377.	pchqjC+h2=pchqC+h	3.01E+13	0.0	26030.0
3378.	pchqjD+h2=pchqD+h	3.01E+13	0.0	26030.0
3379.	pchqjE+h2=pchqE+h	3.01E+13	0.0	26030.0
3380.	pchqjF+h2=pchqF+h	3.01E+13	0.0	26030.0
3381.	pchqjG+h2=pchqG+h	3.01E+13	0.0	26030.0
3382.	pchqjA+ch2o=pchqA+hco	5.60E+12	0.0	13600.0
3383.	pchqjB+ch2o=pchqB+hco	5.60E+12	0.0	13600.0
3384.	pchqjC+ch2o=pchqC+hco	5.60E+12	0.0	13600.0
3385.	pchqjD+ch2o=pchqD+hco	5.60E+12	0.0	13600.0
3386.	pchqjE+ch2o=pchqE+hco	5.60E+12	0.0	13600.0
3387.	pchqjF+ch2o=pchqF+hco	5.60E+12	0.0	13600.0
3388.	pchqjG+ch2o=pchqG+hco	5.60E+12	0.0	13600.0
3389.	pchqjA+ch3hco=pchqA+ch3co	2.80E+12	0.0	13600.0
3390.	pchqjB+ch3hco=pchqB+ch3co	2.80E+12	0.0	13600.0
3391.	pchqjC+ch3hco=pchqC+ch3co	2.80E+12	0.0	13600.0
3392.	pchqjD+ch3hco=pchqD+ch3co	2.80E+12	0.0	13600.0
3393.	pchqjE+ch3hco=pchqE+ch3co	2.80E+12	0.0	13600.0
3394.	pchqjF+ch3hco=pchqF+ch3co	2.80E+12	0.0	13600.0
3395.	pchqjG+ch3hco=pchqG+ch3co	2.80E+12	0.0	13600.0
3396.	pchqjA+c2h6=pchqA+c2h5	1.70E+13	0.0	20460.0
3397.	pchqjB+c2h6=pchqB+c2h5	1.70E+13	0.0	20460.0
3398.	pchqjC+c2h6=pchqC+c2h5	1.70E+13	0.0	20460.0
3399.	pchqjD+c2h6=pchqD+c2h5	1.70E+13	0.0	20460.0
3400.	pchqjE+c2h6=pchqE+c2h5	1.70E+13	0.0	20460.0
3401.	pchqjF+c2h6=pchqF+c2h5	1.70E+13	0.0	20460.0
3402.	pchqjG+c2h6=pchqG+c2h5	1.70E+13	0.0	20460.0
3403.	pchqjA+c2h4=pchqA+c2h3	1.13E+13	0.0	30430.0
3404.	pchqjB+c2h4=pchqB+c2h3	1.13E+13	0.0	30430.0
3405.	pchqjC+c2h4=pchqC+c2h3	1.13E+13	0.0	30430.0
3406.	pchqjD+c2h4=pchqD+c2h3	1.13E+13	0.0	30430.0
3407.	pchqjE+c2h4=pchqE+c2h3	1.13E+13	0.0	30430.0
3408.	pchqjF+c2h4=pchqF+c2h3	1.13E+13	0.0	30430.0
3409.	pchqjG+c2h4=pchqG+c2h3	1.13E+13	0.0	30430.0
3410.	pchqjA+ethco=pchqA+c2h5co	2.00E+11	0.0	9500.0
3411.	pchqjB+ethco=pchqB+c2h5co	2.00E+11	0.0	9500.0
3412.	pchqjC+ethco=pchqC+c2h5co	2.00E+11	0.0	9500.0
3413.	pchqjD+ethco=pchqD+c2h5co	2.00E+11	0.0	9500.0
3414.	pchqjE+ethco=pchqE+c2h5co	2.00E+11	0.0	9500.0
3415.	pchqjF+ethco=pchqF+c2h5co	2.00E+11	0.0	9500.0
3416.	pchqjG+ethco=pchqG+c2h5co	2.00E+11	0.0	9500.0
3417.	pchqjA+acrol=pchqA+c2h3co	2.80E+12	0.0	13600.0
3418.	pchqjB+acrol=pchqB+c2h3co	2.80E+12	0.0	13600.0

3419.	pchqjC+acrol=pchqC+c2h3co	2.80E+12	0.0	13600.0
3420.	pchqjD+acrol=pchqD+c2h3co	2.80E+12	0.0	13600.0
3421.	pchqjE+acrol=pchqE+c2h3co	2.80E+12	0.0	13600.0
3422.	pchqjF+acrol=pchqF+c2h3co	2.80E+12	0.0	13600.0
3423.	pchqjG+acrol=pchqG+c2h3co	2.80E+12	0.0	13600.0
3424.	pchqjA+ch3oh=pchqA+ch3o	6.30E+12	0.0	19360.0
3425.	pchqjB+ch3oh=pchqB+ch3o	6.30E+12	0.0	19360.0
3426.	pchqjC+ch3oh=pchqC+ch3o	6.30E+12	0.0	19360.0
3427.	pchqjD+ch3oh=pchqD+ch3o	6.30E+12	0.0	19360.0
3428.	pchqjE+ch3oh=pchqE+ch3o	6.30E+12	0.0	19360.0
3429.	pchqjF+ch3oh=pchqF+ch3o	6.30E+12	0.0	19360.0
3430.	pchqjG+ch3oh=pchqG+ch3o	6.30E+12	0.0	19360.0
3431.	pchqjA+c3h6=pchqA+ac3h5	3.24E+11	0.0	14900.0
3432.	pchqjB+c3h6=pchqB+ac3h5	3.24E+11	0.0	14900.0
3433.	pchqjC+c3h6=pchqC+ac3h5	3.24E+11	0.0	14900.0
3434.	pchqjD+c3h6=pchqD+ac3h5	3.24E+11	0.0	14900.0
3435.	pchqjE+c3h6=pchqE+ac3h5	3.24E+11	0.0	14900.0
3436.	pchqjF+c3h6=pchqF+ac3h5	3.24E+11	0.0	14900.0
3437.	pchqjG+c3h6=pchqG+ac3h5	3.24E+11	0.0	14900.0
3438.	pchqjA+ch4=pchqA+ch3	1.12E+13	0.0	24640.0
3439.	pchqjB+ch4=pchqB+ch3	1.12E+13	0.0	24640.0
3440.	pchqjC+ch4=pchqC+ch3	1.12E+13	0.0	24640.0
3441.	pchqjD+ch4=pchqD+ch3	1.12E+13	0.0	24640.0
3442.	pchqjE+ch4=pchqE+ch3	1.12E+13	0.0	24640.0
3443.	pchqjF+ch4=pchqF+ch3	1.12E+13	0.0	24640.0
3444.	pchqjG+ch4=pchqG+ch3	1.12E+13	0.0	24640.0
3445.	pchqjA+pch=pchqA+pchA	6.05E+12	0.0	20430.0
3446.	pchqjA+pch=pchqA+pchB	4.03E+12	0.0	17700.0
3447.	pchqjA+pch=pchqA+pchC	4.03E+12	0.0	17700.0
3448.	pchqjA+pch=pchqA+pchD	2.02E+12	0.0	16000.0
3449.	pchqjA+pch=pchqA+pchE	8.06E+12	0.0	17700.0
3450.	pchqjA+pch=pchqA+pchF	8.06E+12	0.0	17700.0
3451.	pchqjA+pch=pchqA+pchG	4.03E+12	0.0	17700.0
3452.	pchqjB+pch=pchqB+pchA	6.05E+12	0.0	20430.0
3453.	pchqjB+pch=pchqB+pchB	4.03E+12	0.0	17700.0
3454.	pchqjB+pch=pchqB+pchC	4.03E+12	0.0	17700.0
3455.	pchqjB+pch=pchqB+pchD	2.02E+12	0.0	16000.0
3456.	pchqjB+pch=pchqB+pchE	8.06E+12	0.0	17700.0
3457.	pchqjB+pch=pchqB+pchF	8.06E+12	0.0	17700.0
3458.	pchqjB+pch=pchqB+pchG	4.03E+12	0.0	17700.0
3459.	pchqjC+pch=pchqC+pchA	6.05E+12	0.0	20430.0
3460.	pchqjC+pch=pchqC+pchB	4.03E+12	0.0	17700.0
3461.	pchqjC+pch=pchqC+pchC	4.03E+12	0.0	17700.0
3462.	pchqjC+pch=pchqC+pchD	2.02E+12	0.0	16000.0
3463.	pchqjC+pch=pchqC+pchE	8.06E+12	0.0	17700.0
3464.	pchqjC+pch=pchqC+pchF	8.06E+12	0.0	17700.0
3465.	pchqjC+pch=pchqC+pchG	4.03E+12	0.0	17700.0
3466.	pchqjD+pch=pchqD+pchA	6.05E+12	0.0	20430.0
3467.	pchqjD+pch=pchqD+pchB	4.03E+12	0.0	17700.0
3468.	pchqjD+pch=pchqD+pchC	4.03E+12	0.0	17700.0
3469.	pchqjD+pch=pchqD+pchD	2.02E+12	0.0	16000.0
3470.	pchqjD+pch=pchqD+pchE	8.06E+12	0.0	17700.0
3471.	pchqjD+pch=pchqD+pchF	8.06E+12	0.0	17700.0
3472.	pchqjD+pch=pchqD+pchG	4.03E+12	0.0	17700.0
3473.	pchqjE+pch=pchqE+pchA	6.05E+12	0.0	20430.0
3474.	pchqjE+pch=pchqE+pchB	4.03E+12	0.0	17700.0
3475.	pchqjE+pch=pchqE+pchC	4.03E+12	0.0	17700.0
3476.	pchqjE+pch=pchqE+pchD	2.02E+12	0.0	16000.0
3477.	pchqjE+pch=pchqE+pchE	8.06E+12	0.0	17700.0
3478.	pchqjE+pch=pchqE+pchF	8.06E+12	0.0	17700.0
3479.	pchqjE+pch=pchqE+pchG	4.03E+12	0.0	17700.0

3480.	pchqjF+pch=pchqF+pchA	6.05E+12	0.0	20430.0
3481.	pchqjF+pch=pchqF+pchB	4.03E+12	0.0	17700.0
3482.	pchqjF+pch=pchqF+pchC	4.03E+12	0.0	17700.0
3483.	pchqjF+pch=pchqF+pchD	2.02E+12	0.0	16000.0
3484.	pchqjF+pch=pchqF+pchE	8.06E+12	0.0	17700.0
3485.	pchqjF+pch=pchqF+pchF	8.06E+12	0.0	17700.0
3486.	pchqjF+pch=pchqF+pchG	4.03E+12	0.0	17700.0
3487.	pchqjG+pch=pchqG+pchA	6.05E+12	0.0	20430.0
3488.	pchqjG+pch=pchqG+pchB	4.03E+12	0.0	17700.0
3489.	pchqjG+pch=pchqG+pchC	4.03E+12	0.0	17700.0
3490.	pchqjG+pch=pchqG+pchD	2.02E+12	0.0	16000.0
3491.	pchqjG+pch=pchqG+pchE	8.06E+12	0.0	17700.0
3492.	pchqjG+pch=pchqG+pchF	8.06E+12	0.0	17700.0
3493.	pchqjG+pch=pchqG+pchG	4.03E+12	0.0	17700.0
3494.	pchqjB+ch3=pchojB+ch3o	7.00E+12	0.0	-1000.0
3495.	pchqjA+ch3=pchojA+ch3o	7.00E+12	0.0	-1000.0
3496.	pchqjC+ch3=pchojC+ch3o	7.00E+12	0.0	-1000.0
3497.	pchqjD+ch3=pchojD+ch3o	7.00E+12	0.0	-1000.0
3498.	pchqjE+ch3=pchojE+ch3o	7.00E+12	0.0	-1000.0
3499.	pchqjF+ch3=pchojF+ch3o	7.00E+12	0.0	-1000.0
3500.	pchqjG+ch3=pchojG+ch3o	7.00E+12	0.0	-1000.0
3501.	pchqjA+c2h5=pchojA+c2h5o	7.00E+12	0.0	-1000.0
3502.	pchqjB+c2h5=pchojB+c2h5o	7.00E+12	0.0	-1000.0
3503.	pchqjC+c2h5=pchojC+c2h5o	7.00E+12	0.0	-1000.0
3504.	pchqjD+c2h5=pchojD+c2h5o	7.00E+12	0.0	-1000.0
3505.	pchqjE+c2h5=pchojE+c2h5o	7.00E+12	0.0	-1000.0
3506.	pchqjF+c2h5=pchojF+c2h5o	7.00E+12	0.0	-1000.0
3507.	pchqjG+c2h5=pchojG+c2h5o	7.00E+12	0.0	-1000.0
3508.	pchqjA+nc3h7=pchojA+nc3h7o	7.00E+12	0.0	-1000.0
3509.	pchqjB+nc3h7=pchojB+nc3h7o	7.00E+12	0.0	-1000.0
3510.	pchqjC+nc3h7=pchojC+nc3h7o	7.00E+12	0.0	-1000.0
3511.	pchqjD+nc3h7=pchojD+nc3h7o	7.00E+12	0.0	-1000.0
3512.	pchqjE+nc3h7=pchojE+nc3h7o	7.00E+12	0.0	-1000.0
3513.	pchqjF+nc3h7=pchojF+nc3h7o	7.00E+12	0.0	-1000.0
3514.	pchqjG+nc3h7=pchojG+nc3h7o	7.00E+12	0.0	-1000.0
3515.	pchqjA+ic3h7=pchojA+ic3h7o	7.00E+12	0.0	-1000.0
3516.	pchqjB+ic3h7=pchojB+ic3h7o	7.00E+12	0.0	-1000.0
3517.	pchqjC+ic3h7=pchojC+ic3h7o	7.00E+12	0.0	-1000.0
3518.	pchqjD+ic3h7=pchojD+ic3h7o	7.00E+12	0.0	-1000.0
3519.	pchqjE+ic3h7=pchojE+ic3h7o	7.00E+12	0.0	-1000.0
3520.	pchqjF+ic3h7=pchojF+ic3h7o	7.00E+12	0.0	-1000.0
3521.	pchqjG+ic3h7=pchojG+ic3h7o	7.00E+12	0.0	-1000.0
3522.	pchqjA+ac3h5=pchojA+ac3h5o	7.00E+12	0.0	-1000.0
3523.	pchqjB+ac3h5=pchojB+ac3h5o	7.00E+12	0.0	-1000.0
3524.	pchqjC+ac3h5=pchojC+ac3h5o	7.00E+12	0.0	-1000.0
3525.	pchqjD+ac3h5=pchojD+ac3h5o	7.00E+12	0.0	-1000.0
3526.	pchqjE+ac3h5=pchojE+ac3h5o	7.00E+12	0.0	-1000.0
3527.	pchqjF+ac3h5=pchojF+ac3h5o	7.00E+12	0.0	-1000.0
3528.	pchqjG+ac3h5=pchojG+ac3h5o	7.00E+12	0.0	-1000.0
3529.	pchqjA+ho2=>pchojA+oh+o2	1.40E-14	-1.6	1860.0
3530.	pchqjB+ho2=>pchojB+oh+o2	1.40E-14	-1.6	1860.0
3531.	pchqjC+ho2=>pchojC+oh+o2	1.40E-14	-1.6	1860.0
3532.	pchqjD+ho2=>pchojD+oh+o2	1.40E-14	-1.6	1860.0
3533.	pchqjE+ho2=>pchojE+oh+o2	1.40E-14	-1.6	1860.0
3534.	pchqjF+ho2=>pchojF+oh+o2	1.40E-14	-1.6	1860.0
3535.	pchqjG+ho2=>pchojG+oh+o2	1.40E-14	-1.6	1860.0
3536.	pchqjA+ch3o2=>pchojA+ch3o+o2	1.40E+16	-1.6	1860.0
3537.	pchqjB+ch3o2=>pchojB+ch3o+o2	1.40E+16	-1.6	1860.0
3538.	pchqjC+ch3o2=>pchojC+ch3o+o2	1.40E+16	-1.6	1860.0
3539.	pchqjD+ch3o2=>pchojD+ch3o+o2	1.40E+16	-1.6	1860.0
3540.	pchqjE+ch3o2=>pchojE+ch3o+o2	1.40E+16	-1.6	1860.0

3541.	pchqjF+ch3o2=>pchojF+ch3o+o2	1.40E+16	-1.6	1860.0
3542.	pchqjG+ch3o2=>pchojG+ch3o+o2	1.40E+16	-1.6	1860.0
3543.	pchqjA+c2h5o2=>pchojA+c2h5o+o2	1.40E+16	-1.6	1860.0
3544.	pchqjB+c2h5o2=>pchojB+c2h5o+o2	1.40E+16	-1.6	1860.0
3545.	pchqjC+c2h5o2=>pchojC+c2h5o+o2	1.40E+16	-1.6	1860.0
3546.	pchqjD+c2h5o2=>pchojD+c2h5o+o2	1.40E+16	-1.6	1860.0
3547.	pchqjE+c2h5o2=>pchojE+c2h5o+o2	1.40E+16	-1.6	1860.0
3548.	pchqjF+c2h5o2=>pchojF+c2h5o+o2	1.40E+16	-1.6	1860.0
3549.	pchqjG+c2h5o2=>pchojG+c2h5o+o2	1.40E+16	-1.6	1860.0
3550.	pchqjA+nc3h7o2=>pchojA+nc3h7o+o2	1.40E+16	-1.6	1860.0
3551.	pchqjB+nc3h7o2=>pchojB+nc3h7o+o2	1.40E+16	-1.6	1860.0
3552.	pchqjC+nc3h7o2=>pchojC+nc3h7o+o2	1.40E+16	-1.6	1860.0
3553.	pchqjD+nc3h7o2=>pchojD+nc3h7o+o2	1.40E+16	-1.6	1860.0
3554.	pchqjE+nc3h7o2=>pchojE+nc3h7o+o2	1.40E+16	-1.6	1860.0
3555.	pchqjF+nc3h7o2=>pchojF+nc3h7o+o2	1.40E+16	-1.6	1860.0
3556.	pchqjG+nc3h7o2=>pchojG+nc3h7o+o2	1.40E+16	-1.6	1860.0
3557.	pchqjA+pchqjA=>pchojA+pchojA+o2	1.40E+16	-1.6	1860.0
3558.	pchqjB+pchqjA=>pchojB+pchojA+o2	1.40E+16	-1.6	1860.0
3559.	pchqjC+pchqjA=>pchojC+pchojA+o2	1.40E+16	-1.6	1860.0
3560.	pchqjD+pchqjA=>pchojD+pchojA+o2	1.40E+16	-1.6	1860.0
3561.	pchqjE+pchqjA=>pchojE+pchojA+o2	1.40E+16	-1.6	1860.0
3562.	pchqjF+pchqjA=>pchojF+pchojA+o2	1.40E+16	-1.6	1860.0
3563.	pchqjG+pchqjA=>pchojG+pchojA+o2	1.40E+16	-1.6	1860.0
3564.	pchqjB+pchqjB=>pchojB+pchojB+o2	1.40E+16	-1.6	1860.0
3565.	pchqjC+pchqjB=>pchojC+pchojB+o2	1.40E+16	-1.6	1860.0
3566.	pchqjD+pchqjB=>pchojD+pchojB+o2	1.40E+16	-1.6	1860.0
3567.	pchqjE+pchqjB=>pchojE+pchojB+o2	1.40E+16	-1.6	1860.0
3568.	pchqjF+pchqjB=>pchojF+pchojB+o2	1.40E+16	-1.6	1860.0
3569.	pchqjG+pchqjB=>pchojG+pchojB+o2	1.40E+16	-1.6	1860.0
3570.	pchqjC+pchqjC=>pchojC+pchojC+o2	1.40E+16	-1.6	1860.0
3571.	pchqjD+pchqjC=>pchojD+pchojC+o2	1.40E+16	-1.6	1860.0
3572.	pchqjE+pchqjC=>pchojE+pchojC+o2	1.40E+16	-1.6	1860.0
3573.	pchqjF+pchqjC=>pchojF+pchojC+o2	1.40E+16	-1.6	1860.0
3574.	pchqjG+pchqjC=>pchojG+pchojC+o2	1.40E+16	-1.6	1860.0
3575.	pchqjD+pchqjD=>pchojD+pchojD+o2	1.40E+16	-1.6	1860.0
3576.	pchqjE+pchqjD=>pchojE+pchojD+o2	1.40E+16	-1.6	1860.0
3577.	pchqjF+pchqjD=>pchojF+pchojD+o2	1.40E+16	-1.6	1860.0
3578.	pchqjG+pchqjD=>pchojG+pchojD+o2	1.40E+16	-1.6	1860.0
3579.	pchqjE+pchqjE=>pchojE+pchojE+o2	1.40E+16	-1.6	1860.0
3580.	pchqjF+pchqjE=>pchojF+pchojE+o2	1.40E+16	-1.6	1860.0
3581.	pchqjG+pchqjE=>pchojG+pchojE+o2	1.40E+16	-1.6	1860.0
3582.	pchqjF+pchqjF=>pchojF+pchojF+o2	1.40E+16	-1.6	1860.0
3583.	pchqjG+pchqjF=>pchojG+pchojF+o2	1.40E+16	-1.6	1860.0
3584.	pchqjG+pchqjG=>pchojG+pchojG+o2	1.40E+16	-1.6	1860.0
3585.	pchojA+oh=pchqA	1.81E+13	0.0	0.0
3586.	pchojB+oh=pchqB	1.81E+13	0.0	0.0
3587.	pchojC+oh=pchqC	1.81E+13	0.0	0.0
3588.	pchojD+oh=pchqD	1.81E+13	0.0	0.0
3589.	pchojE+oh=pchqE	1.81E+13	0.0	0.0
3590.	pchojF+oh=pchqF	1.81E+13	0.0	0.0
3591.	pchojG+oh=pchqG	1.81E+13	0.0	0.0
3592.	pche4=c2h4+p2c4h513	1.00E+15	0.0	66900.0
3593.	pche5=c2h4+c7h12-13	1.00E+15	0.0	66900.0
3594.	pche6=c5h10+c4h6	1.00E+15	0.0	66900.0
3595.	pche1+ho2=ApchqB	1.00E+11	0.0	12500.0
3596.	pche1+ho2=BpchqA	8.00E+10	0.0	6000.0
3597.	pche2+ho2=BpchqC	8.00E+10	0.0	6000.0
3598.	pche2+ho2=CpchqB	8.00E+10	0.0	6000.0
3599.	pche3+ho2=CpchqD	8.00E+10	0.0	6000.0
3600.	pche3+ho2=DpchqC	8.00E+10	0.0	6000.0
3601.	pche4+ho2=DpchqE	8.00E+10	0.0	6000.0

3602.	pche4+ho2=EpchqD	8.00E+10	0.0	6000.0
3603.	pche5+ho2=EpchqF	8.00E+10	0.0	6000.0
3604.	pche5+ho2=FpchqE	8.00E+10	0.0	6000.0
3605.	pche6+ho2=FpchqG	8.00E+10	0.0	6000.0
3606.	pche6+ho2=GpchqF	8.00E+10	0.0	6000.0
3607.	pche1+ho2=pcho-AB+oh	1.00E+12	0.0	14400.0
3608.	pche2+ho2=pcho-BC+oh	1.00E+12	0.0	14400.0
3609.	pche3+ho2=pcho-CD+oh	1.00E+12	0.0	14400.0
3610.	pche4+ho2=pcho-DE+oh	1.00E+12	0.0	14400.0
3611.	pche5+ho2=pcho-EF+oh	1.00E+12	0.0	14400.0
3612.	pche6+ho2=pcho-FG+oh	1.00E+12	0.0	14400.0
3613.	pche1+ch3o2=pcho-AB+ch3o	3.97E+11	0.0	11725.0
3614.	pche2+ch3o2=pcho-BC+ch3o	3.98E+11	0.0	12620.0
3615.	pche3+ch3o2=pcho-CD+ch3o	1.45E+11	0.0	10135.0
3616.	pche4+ch3o2=pcho-DE+ch3o	1.45E+11	0.0	10135.0
3617.	pche5+ch3o2=pcho-EF+ch3o	3.98E+11	0.0	12620.0
3618.	pche6+ch3o2=pcho-FG+ch3o	3.98E+11	0.0	12620.0
3619.	pche1+c2h5o2=pcho-AB+c2h5o	3.97E+11	0.0	11725.0
3620.	pche2+c2h5o2=pcho-BC+c2h5o	3.98E+11	0.0	12620.0
3621.	pche3+c2h5o2=pcho-CD+c2h5o	1.45E+11	0.0	10135.0
3622.	pche4+c2h5o2=pcho-DE+c2h5o	1.45E+11	0.0	10135.0
3623.	pche5+c2h5o2=pcho-EF+c2h5o	3.98E+11	0.0	12620.0
3624.	pche6+c2h5o2=pcho-FG+c2h5o	3.98E+11	0.0	12620.0
3625.	pche1+nc3h7o2=pcho-AB+nc3h7o	3.97E+11	0.0	11725.0
3626.	pche2+nc3h7o2=pcho-BC+nc3h7o	3.98E+11	0.0	12620.0
3627.	pche3+nc3h7o2=pcho-CD+nc3h7o	1.45E+11	0.0	10135.0
3628.	pche4+nc3h7o2=pcho-DE+nc3h7o	1.45E+11	0.0	10135.0
3629.	pche5+nc3h7o2=pcho-EF+nc3h7o	3.98E+11	0.0	12620.0
3630.	pche6+nc3h7o2=pcho-FG+nc3h7o	3.98E+11	0.0	12620.0
3631.	pche1+pchqjA=pcho-AB+pchojA	3.97E+11	0.0	11725.0
3632.	pche2+pchqjA=pcho-BC+pchojA	3.98E+11	0.0	12620.0
3633.	pche3+pchqjA=pcho-CD+pchojA	1.45E+11	0.0	10135.0
3634.	pche4+pchqjA=pcho-DE+pchojA	1.45E+11	0.0	10135.0
3635.	pche5+pchqjA=pcho-EF+pchojA	3.98E+11	0.0	12620.0
3636.	pche6+pchqjA=pcho-FG+pchojA	3.98E+11	0.0	12620.0
3637.	pche1+pchqjB=pcho-AB+pchojB	3.97E+11	0.0	11725.0
3638.	pche2+pchqjB=pcho-BC+pchojB	3.98E+11	0.0	12620.0
3639.	pche3+pchqjB=pcho-CD+pchojB	1.45E+11	0.0	10135.0
3640.	pche4+pchqjB=pcho-DE+pchojB	1.45E+11	0.0	10135.0
3641.	pche5+pchqjB=pcho-EF+pchojB	3.98E+11	0.0	12620.0
3642.	pche6+pchqjB=pcho-FG+pchojB	3.98E+11	0.0	12620.0
3643.	pche1+pchqjC=pcho-AB+pchojC	3.97E+11	0.0	11725.0
3644.	pche2+pchqjC=pcho-BC+pchojC	3.98E+11	0.0	12620.0
3645.	pche3+pchqjC=pcho-CD+pchojC	1.45E+11	0.0	10135.0
3646.	pche4+pchqjC=pcho-DE+pchojC	1.45E+11	0.0	10135.0
3647.	pche5+pchqjC=pcho-EF+pchojC	3.98E+11	0.0	12620.0
3648.	pche6+pchqjC=pcho-FG+pchojC	3.98E+11	0.0	12620.0
3649.	pche1+pchqjD=pcho-AB+pchojD	3.97E+11	0.0	11725.0
3650.	pche2+pchqjD=pcho-BC+pchojD	3.98E+11	0.0	12620.0
3651.	pche3+pchqjD=pcho-CD+pchojD	1.45E+11	0.0	10135.0
3652.	pche4+pchqjD=pcho-DE+pchojD	1.45E+11	0.0	10135.0
3653.	pche5+pchqjD=pcho-EF+pchojD	3.98E+11	0.0	12620.0
3654.	pche6+pchqjD=pcho-FG+pchojD	3.98E+11	0.0	12620.0
3655.	pche1+pchqjE=pcho-AB+pchojE	3.97E+11	0.0	11725.0
3656.	pche2+pchqjE=pcho-BC+pchojE	3.98E+11	0.0	12620.0
3657.	pche3+pchqjE=pcho-CD+pchojE	1.45E+11	0.0	10135.0
3658.	pche4+pchqjE=pcho-DE+pchojE	1.45E+11	0.0	10135.0
3659.	pche5+pchqjE=pcho-EF+pchojE	3.98E+11	0.0	12620.0
3660.	pche6+pchqjE=pcho-FG+pchojE	3.98E+11	0.0	12620.0
3661.	pche1+pchqjF=pcho-AB+pchojF	3.97E+11	0.0	11725.0
3662.	pche2+pchqjF=pcho-BC+pchojF	3.98E+11	0.0	12620.0

3663.	pche3+pchqjF=pcho-CD+pchojF	1.45E+11	0.0	10135.0
3664.	pche4+pchqjF=pcho-DE+pchojF	1.45E+11	0.0	10135.0
3665.	pche5+pchqjF=pcho-EF+pchojF	3.98E+11	0.0	12620.0
3666.	pche6+pchqjF=pcho-FG+pchojF	3.98E+11	0.0	12620.0
3667.	pche1+pchqjG=pcho-AB+pchojG	3.97E+11	0.0	11725.0
3668.	pche2+pchqjG=pcho-BC+pchojG	3.98E+11	0.0	12620.0
3669.	pche3+pchqjG=pcho-CD+pchojG	1.45E+11	0.0	10135.0
3670.	pche4+pchqjG=pcho-DE+pchojG	1.45E+11	0.0	10135.0
3671.	pche5+pchqjG=pcho-EF+pchojG	3.98E+11	0.0	12620.0
3672.	pche6+pchqjG=pcho-FG+pchojG	3.98E+11	0.0	12620.0
3673.	pche1+oh=ApchohB	4.75E+12	0.0	-782.0
3674.	pche1+oh=BpchohA	4.75E+12	0.0	-782.0
3675.	pche2+oh=BpchohC	4.75E+12	0.0	-782.0
3676.	pche2+oh=CpchohB	4.75E+12	0.0	-782.0
3677.	pche3+oh=CpchohD	4.75E+12	0.0	-782.0
3678.	pche3+oh=DpchohC	4.75E+12	0.0	-782.0
3679.	pche4+oh=DpchohE	4.75E+12	0.0	-782.0
3680.	pche4+oh=EpchohD	4.75E+12	0.0	-782.0
3681.	pche5+oh=EpchohF	4.75E+12	0.0	-782.0
3682.	pche5+oh=FpchohE	4.75E+12	0.0	-782.0
3683.	pche6+oh=FpchohG	4.75E+12	0.0	-782.0
3684.	pche6+oh=GpchohF	4.75E+12	0.0	-782.0
3685.	pche1+oh=>ch2o+echA	1.40E+12	0.0	-900.0
3686.	pche1+oh=>ch3+echoA	1.40E+12	0.0	-900.0
3687.	pche2+oh=>ch3hco+mchA	1.40E+12	0.0	-900.0
3688.	pche2+oh=>c2h5+mchoA	1.40E+12	0.0	-900.0
3689.	pche3+oh=>ethco+cyc6h11	1.40E+12	0.0	-900.0
3690.	pche3+oh=>nc3h7+chxone	1.40E+12	0.0	-900.0
3691.	pche4+oh=>Fc9oA	1.40E+12	0.0	-900.0
3692.	pche4+oh=>c2h4+Ac7oD	1.40E+12	0.0	-900.0
3693.	pche5+oh=>MeEc8oIrA	1.40E+12	0.0	-900.0
3694.	pche5+oh=>MeEc8oArI	1.40E+12	0.0	-900.0
3695.	pche6+oh=>EtDc7oIrA	1.40E+12	0.0	-900.0
3696.	pche6+oh=>EtDc7oArI	1.40E+12	0.0	-900.0
3697.	pche1+oh=Apche2+h2o	2.25E+13	0.0	2217.0
3698.	pche2+oh=Apche2+h2o	3.12E+06	2.0	-298.0
3699.	pche2+oh=Dpche2+h2o	6.00E+12	0.0	880.0
3700.	pche3+oh=Dpche2+h2o	2.25E+13	0.0	2217.0
3701.	pche3+oh=Cpche4+h2o	4.50E+13	0.0	2217.0
3702.	pche4+oh=Cpche4+h2o	2.25E+13	0.0	2217.0
3703.	pche4+oh=Dpche5+h2o	2.25E+13	0.0	2217.0
3704.	pche5+oh=Dpche5+h2o	6.00E+12	0.0	880.0
3705.	pche5+oh=Epche6+h2o	2.25E+13	0.0	2217.0
3706.	pche6+oh=Epche6+h2o	2.25E+13	0.0	2217.0
3707.	pche6+oh=Fpche7+h2o	2.25E+13	0.0	2217.0
3708.	pche1+ho2=Apche2+h2o2	3.20E+12	0.0	14900.0
3709.	pche2+ho2=Apche2+h2o2	9.63E+03	2.6	13910.0
3710.	pche2+ho2=Dpche2+h2o2	2.66E+11	0.0	11269.0
3711.	pche3+ho2=Dpche2+h2o2	3.20E+12	0.0	14900.0
3712.	pche3+ho2=Cpche4+h2o2	6.40E+12	0.0	14900.0
3713.	pche4+ho2=Cpche4+h2o2	3.20E+12	0.0	14900.0
3714.	pche4+ho2=Dpche5+h2o2	3.20E+12	0.0	14900.0
3715.	pche5+ho2=Dpche5+h2o2	2.66E+11	0.0	11269.0
3716.	pche5+ho2=Epche6+h2o2	3.20E+12	0.0	14900.0
3717.	pche6+ho2=Epche6+h2o2	3.20E+12	0.0	14900.0
3718.	pche6+ho2=Fpche7+h2o2	3.20E+12	0.0	14900.0
3719.	pche1+c2h5=Apche2+c2h6	1.00E+11	0.0	7300.0
3720.	pche2+c2h5=Apche2+c2h6	2.23E+00	3.5	6637.0
3721.	pche2+c2h5=Dpche2+c2h6	6.72E+10	0.0	7214.0
3722.	pche3+c2h5=Dpche2+c2h6	1.00E+11	0.0	7300.0
3723.	pche3+c2h5=Cpche4+c2h6	2.00E+11	0.0	7300.0

3724.	pche4+c2h5=Cpche4+c2h6	1.00E+11	0.0	7300.0
3725.	pche4+c2h5=Dpche5+c2h6	1.00E+11	0.0	7300.0
3726.	pche5+c2h5=Dpche5+c2h6	6.72E+10	0.0	7214.0
3727.	pche5+c2h5=Epche6+c2h6	1.00E+11	0.0	7300.0
3728.	pche6+c2h5=Epche6+c2h6	1.00E+11	0.0	7300.0
3729.	pche6+c2h5=Fpche7+c2h6	1.00E+11	0.0	7300.0
3730.	pche1+nc3h7=Apche2+c3h8	1.00E+11	0.0	7300.0
3731.	pche2+nc3h7=Apche2+c3h8	2.23E+00	3.5	6637.0
3732.	pche2+nc3h7=Dpche2+c3h8	6.72E+10	0.0	7214.0
3733.	pche3+nc3h7=Dpche2+c3h8	1.00E+11	0.0	7300.0
3734.	pche3+nc3h7=Cpche4+c3h8	2.00E+11	0.0	7300.0
3735.	pche4+nc3h7=Cpche4+c3h8	1.00E+11	0.0	7300.0
3736.	pche4+nc3h7=Dpche5+c3h8	1.00E+11	0.0	7300.0
3737.	pche5+nc3h7=Dpche5+c3h8	6.72E+10	0.0	7214.0
3738.	pche5+nc3h7=Epche6+c3h8	1.00E+11	0.0	7300.0
3739.	pche6+nc3h7=Epche6+c3h8	1.00E+11	0.0	7300.0
3740.	pche6+nc3h7=Fpche7+c3h8	1.00E+11	0.0	7300.0
3741.	pche1+ic3h7=Apche2+c3h8	1.00E+11	0.0	8300.0
3742.	pche2+ic3h7=Apche2+c3h8	6.62E-02	4.0	8068.0
3743.	pche2+ic3h7=Dpche2+c3h8	6.72E+10	0.0	8214.0
3744.	pche3+ic3h7=Dpche2+c3h8	1.00E+11	0.0	8300.0
3745.	pche3+ic3h7=Cpche4+c3h8	2.00E+11	0.0	8300.0
3746.	pche4+ic3h7=Cpche4+c3h8	1.00E+11	0.0	8300.0
3747.	pche4+ic3h7=Dpche5+c3h8	1.00E+11	0.0	8300.0
3748.	pche5+ic3h7=Dpche5+c3h8	6.72E+10	0.0	8214.0
3749.	pche5+ic3h7=Epche6+c3h8	1.00E+11	0.0	8300.0
3750.	pche6+ic3h7=Epche6+c3h8	1.00E+11	0.0	8300.0
3751.	pche6+ic3h7=Fpche7+c3h8	1.00E+11	0.0	8300.0
3752.	pche1+c2h3=Apche2+c2h4	1.00E+11	0.0	8300.0
3753.	pche2+c2h3=Apche2+c2h4	6.62E-02	4.0	8068.0
3754.	pche2+c2h3=Dpche2+c2h4	6.72E+10	0.0	8214.0
3755.	pche3+c2h3=Dpche2+c2h4	1.00E+11	0.0	8300.0
3756.	pche3+c2h3=Cpche4+c2h4	2.00E+11	0.0	8300.0
3757.	pche4+c2h3=Cpche4+c2h4	1.00E+11	0.0	8300.0
3758.	pche4+c2h3=Dpche5+c2h4	1.00E+11	0.0	8300.0
3759.	pche5+c2h3=Dpche5+c2h4	6.72E+10	0.0	8214.0
3760.	pche5+c2h3=Epche6+c2h4	1.00E+11	0.0	8300.0
3761.	pche6+c2h3=Fpche7+c2h4	1.00E+11	0.0	8300.0
3762.	pche1+c2h5o2=Apche2+c2h5o2h	1.40E+12	0.0	14900.0
3763.	pche2+c2h5o2=Apche2+c2h5o2h	9.63E+03	2.6	13910.0
3764.	pche2+c2h5o2=Dpche2+c2h5o2h	2.66E+11	0.0	11269.0
3765.	pche3+c2h5o2=Dpche2+c2h5o2h	1.40E+12	0.0	14900.0
3766.	pche3+c2h5o2=Cpche4+c2h5o2h	2.80E+12	0.0	14900.0
3767.	pche4+c2h5o2=Cpche4+c2h5o2h	1.40E+12	0.0	14900.0
3768.	pche4+c2h5o2=Dpche5+c2h5o2h	1.40E+12	0.0	14900.0
3769.	pche5+c2h5o2=Dpche5+c2h5o2h	2.66E+11	0.0	11269.0
3770.	pche5+c2h5o2=Epche6+c2h5o2h	1.40E+12	0.0	14900.0
3771.	pche6+c2h5o2=Epche6+c2h5o2h	1.40E+12	0.0	14900.0
3772.	pche6+c2h5o2=Fpche7+c2h5o2h	1.40E+12	0.0	14900.0
3773.	pche1+ac3h5=Apche2+c3h6	7.90E+10	0.0	12400.0
3774.	pche2+ac3h5=Apche2+c3h6	1.18E+11	0.0	12400.0
3775.	pche2+ac3h5=Dpche2+c3h6	2.80E+12	0.0	11219.0
3776.	pche3+ac3h5=Dpche2+c3h6	7.90E+10	0.0	12400.0
3777.	pche3+ac3h5=Cpche4+c3h6	1.58E+11	0.0	12400.0
3778.	pche4+ac3h5=Cpche4+c3h6	7.90E+10	0.0	12400.0
3779.	pche4+ac3h5=Dpche5+c3h6	7.90E+10	0.0	12400.0
3780.	pche5+ac3h5=Dpche5+c3h6	2.80E+12	0.0	11219.0
3781.	pche5+ac3h5=Epche6+c3h6	7.90E+10	0.0	12400.0
3782.	pche6+ac3h5=Epche6+c3h6	7.90E+10	0.0	12400.0
3783.	pche6+ac3h5=Fpche7+c3h6	7.90E+10	0.0	12400.0
3784.	pche1+nc3h7o2=Apche2+nc3h7o2h	1.40E+12	0.0	14900.0



3785.	pche2+nc3h7o2=Apche2+nc3h7o2h	9.63E+03	2.6	13910.0
3786.	pche2+nc3h7o2=Dpche2+nc3h7o2h	2.66E+11	0.0	11269.0
3787.	pche3+nc3h7o2=Dpche2+nc3h7o2h	1.40E+12	0.0	14900.0
3788.	pche3+nc3h7o2=Cpche4+nc3h7o2h	2.80E+12	0.0	14900.0
3789.	pche4+nc3h7o2=Cpche4+nc3h7o2h	1.40E+12	0.0	14900.0
3790.	pche4+nc3h7o2=Dpche5+nc3h7o2h	1.40E+12	0.0	14900.0
3791.	pche5+nc3h7o2=Dpche5+nc3h7o2h	2.66E+11	0.0	11269.0
3792.	pche5+nc3h7o2=Epche6+nc3h7o2h	1.40E+12	0.0	14900.0
3793.	pche6+nc3h7o2=Epche6+nc3h7o2h	1.40E+12	0.0	14900.0
3794.	pche6+nc3h7o2=Fcpe7+nc3h7o2h	1.40E+12	0.0	14900.0
3795.	pche1+ch3=Apche2+ch4	1.00E+11	0.0	7300.0
3796.	pche2+ch3=Apche2+ch4	2.21E+00	3.5	5683.0
3797.	pche2+ch3=Dpche2+ch4	1.90E+12	0.0	9010.0
3798.	pche3+ch3=Dpche2+ch4	1.00E+11	0.0	7300.0
3799.	pche3+ch3=Cpche4+ch4	2.00E+11	0.0	7300.0
3800.	pche4+ch3=Cpche4+ch4	1.00E+11	0.0	7300.0
3801.	pche4+ch3=Dpche5+ch4	1.00E+11	0.0	7300.0
3802.	pche5+ch3=Dpche5+ch4	1.90E+12	0.0	9010.0
3803.	pche5+ch3=Epche6+ch4	1.00E+11	0.0	7300.0
3804.	pche6+ch3=Epche6+ch4	1.00E+11	0.0	7300.0
3805.	pche6+ch3=Fcpe7+ch4	1.00E+11	0.0	7300.0
3806.	pche1+ch3o2=Apche2+ch3o2h	1.40E+12	0.0	14900.0
3807.	pche2+ch3o2=Apche2+ch3o2h	9.63E+03	2.6	13910.0
3808.	pche2+ch3o2=Dpche2+ch3o2h	2.66E+11	0.0	11269.0
3809.	pche3+ch3o2=Dpche2+ch3o2h	1.40E+12	0.0	14900.0
3810.	pche3+ch3o2=Cpche4+ch3o2h	2.80E+12	0.0	14900.0
3811.	pche4+ch3o2=Cpche4+ch3o2h	1.40E+12	0.0	14900.0
3812.	pche4+ch3o2=Dpche5+ch3o2h	1.40E+12	0.0	14900.0
3813.	pche5+ch3o2=Dpche5+ch3o2h	2.66E+11	0.0	11269.0
3814.	pche5+ch3o2=Epche6+ch3o2h	1.40E+12	0.0	14900.0
3815.	pche6+ch3o2=Epche6+ch3o2h	1.40E+12	0.0	14900.0
3816.	pche6+ch3o2=Fcpe7+ch3o2h	1.40E+12	0.0	14900.0
3817.	pche1+h=Apche2+h2	5.00E+13	0.0	3900.0
3818.	pche2+h=Apche2+h2	1.73E+05	2.5	2484.0
3819.	pche2+h=Dpche2+h2	2.63E+14	0.0	8820.0
3820.	pche3+h=Dpche2+h2	5.00E+13	0.0	3900.0
3821.	pche3+h=Cpche4+h2	1.00E+14	0.0	3900.0
3822.	pche4+h=Cpche4+h2	5.00E+13	0.0	3900.0
3823.	pche4+h=Dpche5+h2	5.00E+13	0.0	3900.0
3824.	pche5+h=Dpche5+h2	2.63E+14	0.0	8820.0
3825.	pche5+h=Epche6+h2	5.00E+13	0.0	3900.0
3826.	pche6+h=Epche6+h2	5.00E+13	0.0	3900.0
3827.	pche6+h=Fcpe7+h2	5.00E+13	0.0	3900.0
3828.	pche1+o=Apche2+oh	4.00E+11	0.0	-2100.0
3829.	pche2+o=Apche2+oh	1.75E+11	0.7	5882.0
3830.	pche2+o=Dpche2+oh	4.00E+11	0.0	-2100.0
3831.	pche3+o=Dpche2+oh	4.00E+11	0.0	-2100.0
3832.	pche3+o=Cpche4+oh	8.00E+11	0.0	-2100.0
3833.	pche4+o=Cpche4+oh	4.00E+11	0.0	-2100.0
3834.	pche4+o=Dpche5+oh	4.00E+11	0.0	-2100.0
3835.	pche5+o=Dpche5+oh	4.00E+11	0.0	-2100.0
3836.	pche5+o=Epche6+oh	4.00E+11	0.0	-2100.0
3837.	pche6+o=Epche6+oh	4.00E+11	0.0	-2100.0
3838.	pche6+o=Fcpe7+oh	4.00E+11	0.0	-2100.0
3839.	pche1+pchA=Apche2+pch	1.00E+11	0.0	7300.0
3840.	pche2+pchA=Apche2+pch	2.23E+00	3.5	6637.0
3841.	pche2+pchA=Dpche2+pch	6.72E+10	0.0	7214.0
3842.	pche3+pchA=Dpche2+pch	1.00E+11	0.0	7300.0
3843.	pche3+pchA=Cpche4+pch	2.00E+11	0.0	7300.0
3844.	pche4+pchA=Cpche4+pch	1.00E+11	0.0	7300.0
3845.	pche4+pchA=Dpche5+pch	1.00E+11	0.0	7300.0

3846.	pche5+pchA=Dpche5+pch	6.72E+10	0.0	7214.0
3847.	pche5+pchA=Epche6+pch	1.00E+11	0.0	7300.0
3848.	pche6+pchA=Epche6+pch	1.00E+11	0.0	7300.0
3849.	pche6+pchA=Fpche7+pch	1.00E+11	0.0	7300.0
3850.	pche1+pchB=Apche2+pch	1.00E+11	0.0	8300.0
3851.	pche2+pchB=Apche2+pch	6.62E-02	4.0	8068.0
3852.	pche2+pchB=Dpche2+pch	6.72E+10	0.0	8214.0
3853.	pche3+pchB=Dpche2+pch	1.00E+11	0.0	8300.0
3854.	pche3+pchB=Cpche4+pch	2.00E+11	0.0	8300.0
3855.	pche4+pchB=Cpche4+pch	1.00E+11	0.0	8300.0
3856.	pche4+pchB=Dpche5+pch	1.00E+11	0.0	8300.0
3857.	pche5+pchB=Dpche5+pch	6.72E+10	0.0	7214.0
3858.	pche5+pchB=Epche6+pch	1.00E+11	0.0	8300.0
3859.	pche6+pchB=Epche6+pch	1.00E+11	0.0	8300.0
3860.	pche6+pchB=Fpche7+pch	1.00E+11	0.0	8300.0
3861.	pche1+pchC=Apche2+pch	1.00E+11	0.0	8300.0
3862.	pche2+pchC=Apche2+pch	6.62E-02	4.0	8068.0
3863.	pche2+pchC=Dpche2+pch	6.72E+10	0.0	8214.0
3864.	pche3+pchC=Dpche2+pch	1.00E+11	0.0	8300.0
3865.	pche3+pchC=Cpche4+pch	2.00E+11	0.0	8300.0
3866.	pche4+pchC=Cpche4+pch	1.00E+11	0.0	8300.0
3867.	pche4+pchC=Dpche5+pch	1.00E+11	0.0	8300.0
3868.	pche5+pchC=Dpche5+pch	6.72E+10	0.0	7214.0
3869.	pche5+pchC=Epche6+pch	1.00E+11	0.0	8300.0
3870.	pche6+pchC=Epche6+pch	1.00E+11	0.0	8300.0
3871.	pche6+pchC=Fpche7+pch	1.00E+11	0.0	8300.0
3872.	pche1+pchD=Apche2+pch	1.00E+11	0.0	8300.0
3873.	pche2+pchD=Apche2+pch	6.62E-02	4.0	8068.0
3874.	pche2+pchD=Dpche2+pch	6.72E+10	0.0	8214.0
3875.	pche3+pchD=Dpche2+pch	1.00E+11	0.0	8300.0
3876.	pche3+pchD=Cpche4+pch	2.00E+11	0.0	8300.0
3877.	pche4+pchD=Cpche4+pch	1.00E+11	0.0	8300.0
3878.	pche4+pchD=Dpche5+pch	1.00E+11	0.0	8300.0
3879.	pche5+pchD=Dpche5+pch	6.72E+10	0.0	7214.0
3880.	pche5+pchD=Epche6+pch	1.00E+11	0.0	8300.0
3881.	pche6+pchD=Epche6+pch	1.00E+11	0.0	8300.0
3882.	pche6+pchD=Fpche7+pch	1.00E+11	0.0	8300.0
3883.	pche1+pchE=Apche2+pch	1.00E+11	0.0	8300.0
3884.	pche2+pchE=Apche2+pch	6.62E-02	4.0	8068.0
3885.	pche2+pchE=Dpche2+pch	6.72E+10	0.0	8214.0
3886.	pche3+pchE=Dpche2+pch	1.00E+11	0.0	8300.0
3887.	pche3+pchE=Cpche4+pch	2.00E+11	0.0	8300.0
3888.	pche4+pchE=Cpche4+pch	1.00E+11	0.0	8300.0
3889.	pche4+pchE=Dpche5+pch	1.00E+11	0.0	8300.0
3890.	pche5+pchE=Dpche5+pch	6.72E+10	0.0	7214.0
3891.	pche5+pchE=Epche6+pch	1.00E+11	0.0	8300.0
3892.	pche6+pchE=Epche6+pch	1.00E+11	0.0	8300.0
3893.	pche6+pchE=Fpche7+pch	1.00E+11	0.0	8300.0
3894.	pche1+pchF=Apche2+pch	1.00E+11	0.0	8300.0
3895.	pche2+pchF=Apche2+pch	6.62E-02	4.0	8068.0
3896.	pche2+pchF=Dpche2+pch	6.72E+10	0.0	8214.0
3897.	pche3+pchF=Dpche2+pch	1.00E+11	0.0	8300.0
3898.	pche3+pchF=Cpche4+pch	2.00E+11	0.0	8300.0
3899.	pche4+pchF=Cpche4+pch	1.00E+11	0.0	8300.0
3900.	pche4+pchF=Dpche5+pch	1.00E+11	0.0	8300.0
3901.	pche5+pchF=Dpche5+pch	6.72E+10	0.0	7214.0
3902.	pche5+pchF=Epche6+pch	1.00E+11	0.0	8300.0
3903.	pche6+pchF=Epche6+pch	1.00E+11	0.0	8300.0
3904.	pche6+pchF=Fpche7+pch	1.00E+11	0.0	8300.0
3905.	pche1+pchG=Apche2+pch	1.00E+11	0.0	8300.0
3906.	pche2+pchG=Apche2+pch	6.62E-02	4.0	8068.0

3907.	pche2+pchG=Dpche2+pch	6.72E+10	0.0	8214.0
3908.	pche3+pchG=Dpche2+pch	1.00E+11	0.0	8300.0
3909.	pche3+pchG=Cpche4+pch	2.00E+11	0.0	8300.0
3910.	pche4+pchG=Cpche4+pch	1.00E+11	0.0	8300.0
3911.	pche4+pchG=Dpche5+pch	1.00E+11	0.0	8300.0
3912.	pche5+pchG=Dpche5+pch	6.72E+10	0.0	7214.0
3913.	pche5+pchG=Epche6+pch	1.00E+11	0.0	8300.0
3914.	pche6+pchG=Epche6+pch	1.00E+11	0.0	8300.0
3915.	pche6+pchG=Fpche7+pch	1.00E+11	0.0	8300.0
3916.	pche1+pchqjA=Apche2+pchqA	1.40E+12	0.0	14900.0
3917.	pche2+pchqjA=Apche2+pchqA	9.63E+03	2.6	13910.0
3918.	pche2+pchqjA=Dpche2+pchqA	2.66E+11	0.0	11269.0
3919.	pche3+pchqjA=Dpche2+pchqA	1.40E+12	0.0	14900.0
3920.	pche3+pchqjA=Cpche4+pchqA	2.80E+12	0.0	14900.0
3921.	pche4+pchqjA=Cpche4+pchqA	1.40E+12	0.0	14900.0
3922.	pche4+pchqjA=Dpche5+pchqA	1.40E+12	0.0	14900.0
3923.	pche5+pchqjA=Dpche5+pchqA	2.66E+11	0.0	11269.0
3924.	pche5+pchqjA=Epche6+pchqA	1.40E+12	0.0	14900.0
3925.	pche6+pchqjA=Epche6+pchqA	1.40E+12	0.0	14900.0
3926.	pche6+pchqjA=Fpche7+pchqA	1.40E+12	0.0	14900.0
3927.	pche1+pchqjB=Apche2+pchqB	1.40E+12	0.0	14900.0
3928.	pche2+pchqjB=Apche2+pchqB	9.63E+03	2.6	13910.0
3929.	pche2+pchqjB=Dpche2+pchqB	2.66E+11	0.0	11269.0
3930.	pche3+pchqjB=Dpche2+pchqB	1.40E+12	0.0	14900.0
3931.	pche3+pchqjB=Cpche4+pchqB	2.80E+12	0.0	14900.0
3932.	pche4+pchqjB=Cpche4+pchqB	1.40E+12	0.0	14900.0
3933.	pche4+pchqjB=Dpche5+pchqB	1.40E+12	0.0	14900.0
3934.	pche5+pchqjB=Dpche5+pchqB	2.66E+11	0.0	11269.0
3935.	pche5+pchqjB=Epche6+pchqB	1.40E+12	0.0	14900.0
3936.	pche6+pchqjB=Epche6+pchqB	1.40E+12	0.0	14900.0
3937.	pche6+pchqjB=Fpche7+pchqB	1.40E+12	0.0	14900.0
3938.	pche1+pchqjC=Apche2+pchqC	1.40E+12	0.0	14900.0
3939.	pche2+pchqjC=Apche2+pchqC	9.63E+03	2.6	13910.0
3940.	pche2+pchqjC=Dpche2+pchqC	2.66E+11	0.0	11269.0
3941.	pche3+pchqjC=Dpche2+pchqC	1.40E+12	0.0	14900.0
3942.	pche3+pchqjC=Cpche4+pchqC	2.80E+12	0.0	14900.0
3943.	pche4+pchqjC=Cpche4+pchqC	1.40E+12	0.0	14900.0
3944.	pche4+pchqjC=Dpche5+pchqC	1.40E+12	0.0	14900.0
3945.	pche5+pchqjC=Dpche5+pchqC	2.66E+11	0.0	11269.0
3946.	pche5+pchqjC=Epche6+pchqC	1.40E+12	0.0	14900.0
3947.	pche6+pchqjC=Epche6+pchqC	1.40E+12	0.0	14900.0
3948.	pche6+pchqjC=Fpche7+pchqC	1.40E+12	0.0	14900.0
3949.	pche1+pchqjD=Apche2+pchqD	1.40E+12	0.0	14900.0
3950.	pche2+pchqjD=Apche2+pchqD	9.63E+03	2.6	13910.0
3951.	pche2+pchqjD=Dpche2+pchqD	2.66E+11	0.0	11269.0
3952.	pche3+pchqjD=Dpche2+pchqD	1.40E+12	0.0	14900.0
3953.	pche3+pchqjD=Cpche4+pchqD	2.80E+12	0.0	14900.0
3954.	pche4+pchqjD=Cpche4+pchqD	1.40E+12	0.0	14900.0
3955.	pche4+pchqjD=Dpche5+pchqD	1.40E+12	0.0	14900.0
3956.	pche5+pchqjD=Dpche5+pchqD	2.66E+11	0.0	11269.0
3957.	pche5+pchqjD=Epche6+pchqD	1.40E+12	0.0	14900.0
3958.	pche6+pchqjD=Epche6+pchqD	1.40E+12	0.0	14900.0
3959.	pche6+pchqjD=Fpche7+pchqD	1.40E+12	0.0	14900.0
3960.	pche1+pchqjE=Apche2+pchqE	1.40E+12	0.0	14900.0
3961.	pche2+pchqjE=Apche2+pchqE	9.63E+03	2.6	13910.0
3962.	pche2+pchqjE=Dpche2+pchqE	2.66E+11	0.0	11269.0
3963.	pche3+pchqjE=Dpche2+pchqE	1.40E+12	0.0	14900.0
3964.	pche3+pchqjE=Cpche4+pchqE	2.80E+12	0.0	14900.0
3965.	pche4+pchqjE=Cpche4+pchqE	1.40E+12	0.0	14900.0
3966.	pche4+pchqjE=Dpche5+pchqE	1.40E+12	0.0	14900.0
3967.	pche5+pchqjE=Dpche5+pchqE	2.66E+11	0.0	11269.0

3968.	pche5+pchqjE=Epche6+pchqE	1.40E+12	0.0	14900.0
3969.	pche6+pchqjE=Epche6+pchqE	1.40E+12	0.0	14900.0
3970.	pche6+pchqjE=Fpche7+pchqE	1.40E+12	0.0	14900.0
3971.	pche1+pchqjF=Apche2+pchqF	1.40E+12	0.0	14900.0
3972.	pche2+pchqjF=Apche2+pchqF	9.63E+03	2.6	13910.0
3973.	pche2+pchqjF=Dpche2+pchqF	2.66E+11	0.0	11269.0
3974.	pche3+pchqjF=Dpche2+pchqF	1.40E+12	0.0	14900.0
3975.	pche3+pchqjF=Cpche4+pchqF	2.80E+12	0.0	14900.0
3976.	pche4+pchqjF=Cpche4+pchqF	1.40E+12	0.0	14900.0
3977.	pche4+pchqjF=Dpche5+pchqF	1.40E+12	0.0	14900.0
3978.	pche5+pchqjF=Dpche5+pchqF	2.66E+11	0.0	11269.0
3979.	pche5+pchqjF=Epche6+pchqF	1.40E+12	0.0	14900.0
3980.	pche6+pchqjF=Epche6+pchqF	1.40E+12	0.0	14900.0
3981.	pche6+pchqjF=Fpche7+pchqF	1.40E+12	0.0	14900.0
3982.	pche1+pchqjG=Apche2+pchqG	1.40E+12	0.0	14900.0
3983.	pche2+pchqjG=Apche2+pchqG	9.63E+03	2.6	13910.0
3984.	pche2+pchqjG=Dpche2+pchqG	2.66E+11	0.0	11269.0
3985.	pche3+pchqjG=Dpche2+pchqG	1.40E+12	0.0	14900.0
3986.	pche3+pchqjG=Cpche4+pchqG	2.80E+12	0.0	14900.0
3987.	pche4+pchqjG=Cpche4+pchqG	1.40E+12	0.0	14900.0
3988.	pche4+pchqjG=Dpche5+pchqG	1.40E+12	0.0	14900.0
3989.	pche5+pchqjG=Dpche5+pchqG	2.66E+11	0.0	11269.0
3990.	pche5+pchqjG=Epche6+pchqG	1.40E+12	0.0	14900.0
3991.	pche6+pchqjG=Epche6+pchqG	1.40E+12	0.0	14900.0
3992.	pche6+pchqjG=Fpche7+pchqG	1.40E+12	0.0	14900.0
3993.	pcho-AB+ch3=ApchoB+ch4	2.00E+11	0.0	10000.0
3994.	pcho-AB+ch3=BpchoA+ch4	2.00E+11	0.0	10000.0
3995.	pcho-AB+ch3o2=ApchoB+ch3o2h	1.00E+13	0.0	19000.0
3996.	pcho-AB+ch3o2=BpchoA+ch3o2h	1.00E+13	0.0	19000.0
3997.	pcho-AB+h=ApchoB+h2	2.70E+07	2.0	5000.0
3998.	pcho-AB+h=BpchoA+h2	2.70E+07	2.0	5000.0
3999.	pcho-AB+ho2=ApchoB+h2o2	4.00E+12	0.0	17000.0
4000.	pcho-AB+ho2=BpchoA+h2o2	4.00E+12	0.0	17000.0
4001.	pcho-AB+o=ApchoB+oh	5.00E+12	0.0	0.0
4002.	pcho-AB+o=BpchoA+oh	5.00E+12	0.0	0.0
4003.	pcho-AB+oh=ApchoB+h2o	7.80E+06	2.0	-765.0
4004.	pcho-AB+oh=BpchoA+h2o	7.80E+06	2.0	-765.0
4005.	pcho-AC+ch3=ApchoC+ch4	2.00E+11	0.0	10000.0
4006.	pcho-AC+ch3=CpchoA+ch4	2.00E+11	0.0	10000.0
4007.	pcho-AC+ch3o2=ApchoC+ch3o2h	1.00E+13	0.0	19000.0
4008.	pcho-AC+ch3o2=CpchoA+ch3o2h	1.00E+13	0.0	19000.0
4009.	pcho-AC+h=ApchoC+h2	2.70E+07	2.0	5000.0
4010.	pcho-AC+h=CpchoA+h2	2.70E+07	2.0	5000.0
4011.	pcho-AC+ho2=ApchoC+h2o2	4.00E+12	0.0	17000.0
4012.	pcho-AC+ho2=CpchoA+h2o2	4.00E+12	0.0	17000.0
4013.	pcho-AC+o=ApchoC+oh	5.00E+12	0.0	0.0
4014.	pcho-AC+o=CpchoA+oh	5.00E+12	0.0	0.0
4015.	pcho-AC+oh=ApchoC+h2o	7.80E+06	2.0	-765.0
4016.	pcho-AC+oh=CpchoA+h2o	7.80E+06	2.0	-765.0
4017.	pcho-AD+ch3=DpchoA+ch4	2.00E+11	0.0	10000.0
4018.	pcho-AD+ch3o2=DpchoA+ch3o2h	1.00E+13	0.0	19000.0
4019.	pcho-AD+h=DpchoA+h2	2.70E+07	2.0	5000.0
4020.	pcho-AD+ho2=DpchoA+h2o2	4.00E+12	0.0	17000.0
4021.	pcho-AD+o=DpchoA+oh	5.00E+12	0.0	0.0
4022.	pcho-AD+oh=DpchoA+h2o	7.80E+06	2.0	-765.0
4023.	pcho-AE+ch3=ApchoE+ch4	2.00E+11	0.0	10000.0
4024.	pcho-AE+ch3=EpchoA+ch4	2.00E+11	0.0	10000.0
4025.	pcho-AE+ch3o2=ApchoE+ch3o2h	1.00E+13	0.0	19000.0
4026.	pcho-AE+ch3o2=EpchoA+ch3o2h	1.00E+13	0.0	19000.0
4027.	pcho-AE+h=ApchoE+h2	2.70E+07	2.0	5000.0
4028.	pcho-AE+h=EpchoA+h2	2.70E+07	2.0	5000.0

4029.	pcho-AE+ho2=ApchoE+h2o2	4.00E+12	0.0	17000.0
4030.	pcho-AE+ho2=EpchoA+h2o2	4.00E+12	0.0	17000.0
4031.	pcho-AE+o=ApchoE+oh	5.00E+12	0.0	0.0
4032.	pcho-AE+o=EpchoA+oh	5.00E+12	0.0	0.0
4033.	pcho-AE+oh=ApchoE+h2o	7.80E+06	2.0	-765.0
4034.	pcho-AE+oh=EpchoA+h2o	7.80E+06	2.0	-765.0
4035.	pcho-AF+ch3=ApchoF+ch4	2.00E+11	0.0	10000.0
4036.	pcho-AF+ch3=FpchoA+ch4	2.00E+11	0.0	10000.0
4037.	pcho-AF+ch3o2=ApchoF+ch3o2h	1.00E+13	0.0	19000.0
4038.	pcho-AF+ch3o2=FpchoA+ch3o2h	1.00E+13	0.0	19000.0
4039.	pcho-AF+h=ApchoF+h2	2.70E+07	2.0	5000.0
4040.	pcho-AF+h=FpchoA+h2	2.70E+07	2.0	5000.0
4041.	pcho-AF+ho2=ApchoF+h2o2	4.00E+12	0.0	17000.0
4042.	pcho-AF+ho2=FpchoA+h2o2	4.00E+12	0.0	17000.0
4043.	pcho-AF+o=ApchoF+oh	5.00E+12	0.0	0.0
4044.	pcho-AF+o=FpchoA+oh	5.00E+12	0.0	0.0
4045.	pcho-AF+oh=ApchoF+h2o	7.80E+06	2.0	-765.0
4046.	pcho-AF+oh=FpchoA+h2o	7.80E+06	2.0	-765.0
4047.	pcho-BC+ch3=BpchoC+ch4	2.00E+11	0.0	10000.0
4048.	pcho-BC+ch3=CpchoB+ch4	2.00E+11	0.0	10000.0
4049.	pcho-BC+ch3o2=BpchoC+ch3o2h	1.00E+13	0.0	19000.0
4050.	pcho-BC+ch3o2=CpchoB+ch3o2h	1.00E+13	0.0	19000.0
4051.	pcho-BC+h=BpchoC+h2	2.70E+07	2.0	5000.0
4052.	pcho-BC+h=CpchoB+h2	2.70E+07	2.0	5000.0
4053.	pcho-BC+ho2=BpchoC+h2o2	4.00E+12	0.0	17000.0
4054.	pcho-BC+ho2=CpchoB+h2o2	4.00E+12	0.0	17000.0
4055.	pcho-BC+o=BpchoC+oh	5.00E+12	0.0	0.0
4056.	pcho-BC+o=CpchoB+oh	5.00E+12	0.0	0.0
4057.	pcho-BC+oh=BpchoC+h2o	7.80E+06	2.0	-765.0
4058.	pcho-BC+oh=CpchoB+h2o	7.80E+06	2.0	-765.0
4059.	pcho-BD+ch3=DpchoB+ch4	2.00E+11	0.0	10000.0
4060.	pcho-BD+ch3o2=DpchoB+ch3o2h	1.00E+13	0.0	19000.0
4061.	pcho-BD+h=DpchoB+h2	2.70E+07	2.0	5000.0
4062.	pcho-BD+ho2=DpchoB+h2o2	4.00E+12	0.0	17000.0
4063.	pcho-BD+o=DpchoB+oh	5.00E+12	0.0	0.0
4064.	pcho-BD+oh=DpchoB+h2o	7.80E+06	2.0	-765.0
4065.	pcho-BE+ch3=BpchoE+ch4	2.00E+11	0.0	10000.0
4066.	pcho-BE+ch3=EpchoB+ch4	2.00E+11	0.0	10000.0
4067.	pcho-BE+ch3o2=BpchoE+ch3o2h	1.00E+13	0.0	19000.0
4068.	pcho-BE+ch3o2=EpchoB+ch3o2h	1.00E+13	0.0	19000.0
4069.	pcho-BE+h=BpchoE+h2	2.70E+07	2.0	5000.0
4070.	pcho-BE+h=EpchoB+h2	2.70E+07	2.0	5000.0
4071.	pcho-BE+ho2=BpchoE+h2o2	4.00E+12	0.0	17000.0
4072.	pcho-BE+ho2=EpchoB+h2o2	4.00E+12	0.0	17000.0
4073.	pcho-BE+o=BpchoE+oh	5.00E+12	0.0	0.0
4074.	pcho-BE+o=EpchoB+oh	5.00E+12	0.0	0.0
4075.	pcho-BE+oh=BpchoE+h2o	7.80E+06	2.0	-765.0
4076.	pcho-BE+oh=EpchoB+h2o	7.80E+06	2.0	-765.0
4077.	pcho-BF+ch3=BpchoF+ch4	2.00E+11	0.0	10000.0
4078.	pcho-BF+ch3=FpchoB+ch4	2.00E+11	0.0	10000.0
4079.	pcho-BF+ch3o2=BpchoF+ch3o2h	1.00E+13	0.0	19000.0
4080.	pcho-BF+ch3o2=FpchoB+ch3o2h	1.00E+13	0.0	19000.0
4081.	pcho-BF+h=BpchoF+h2	2.70E+07	2.0	5000.0
4082.	pcho-BF+h=FpchoB+h2	2.70E+07	2.0	5000.0
4083.	pcho-BF+ho2=BpchoF+h2o2	4.00E+12	0.0	17000.0
4084.	pcho-BF+ho2=FpchoB+h2o2	4.00E+12	0.0	17000.0
4085.	pcho-BF+o=BpchoF+oh	5.00E+12	0.0	0.0
4086.	pcho-BF+o=FpchoB+oh	5.00E+12	0.0	0.0
4087.	pcho-BF+oh=BpchoF+h2o	7.80E+06	2.0	-765.0
4088.	pcho-BF+oh=FpchoB+h2o	7.80E+06	2.0	-765.0
4089.	pcho-BG+ch3=BpchoG+ch4	2.00E+11	0.0	10000.0

4090.	pcho-BG+ch3=GpchoB+ch4	2.00E+11	0.0	10000.0
4091.	pcho-BG+ch3o2=BpchoG+ch3o2h	1.00E+13	0.0	19000.0
4092.	pcho-BG+ch3o2=GpchoB+ch3o2h	1.00E+13	0.0	19000.0
4093.	pcho-BG+h=BpchoG+h2	2.70E+07	2.0	5000.0
4094.	pcho-BG+h=GpchoB+h2	2.70E+07	2.0	5000.0
4095.	pcho-BG+ho2=BpchoG+h2o2	4.00E+12	0.0	17000.0
4096.	pcho-BG+ho2=GpchoB+h2o2	4.00E+12	0.0	17000.0
4097.	pcho-BG+o=BpchoG+oh	5.00E+12	0.0	0.0
4098.	pcho-BG+o=GpchoB+oh	5.00E+12	0.0	0.0
4099.	pcho-BG+oh=BpchoG+h2o	7.80E+06	2.0	-765.0
4100.	pcho-BG+oh=GpchoB+h2o	7.80E+06	2.0	-765.0
4101.	pcho-CD+ch3=DpchoC+ch4	2.00E+11	0.0	10000.0
4102.	pcho-CD+ch3o2=DpchoC+ch3o2h	1.00E+13	0.0	19000.0
4103.	pcho-CD+h=DpchoC+h2	2.70E+07	2.0	5000.0
4104.	pcho-CD+ho2=DpchoC+h2o2	4.00E+12	0.0	17000.0
4105.	pcho-CD+o=DpchoC+oh	5.00E+12	0.0	0.0
4106.	pcho-CD+oh=DpchoC+h2o	7.80E+06	2.0	-765.0
4107.	pcho-CE+ch3=CpchoE+ch4	2.00E+11	0.0	10000.0
4108.	pcho-CE+ch3=EpchoC+ch4	2.00E+11	0.0	10000.0
4109.	pcho-CE+ch3o2=CpchoE+ch3o2h	1.00E+13	0.0	19000.0
4110.	pcho-CE+ch3o2=EpchoC+ch3o2h	1.00E+13	0.0	19000.0
4111.	pcho-CE+h=CpchoE+h2	2.70E+07	2.0	5000.0
4112.	pcho-CE+h=EpchoC+h2	2.70E+07	2.0	5000.0
4113.	pcho-CE+ho2=CpchoE+h2o2	4.00E+12	0.0	17000.0
4114.	pcho-CE+ho2=EpchoC+h2o2	4.00E+12	0.0	17000.0
4115.	pcho-CE+o=CpchoE+oh	5.00E+12	0.0	0.0
4116.	pcho-CE+o=EpchoC+oh	5.00E+12	0.0	0.0
4117.	pcho-CE+oh=CpchoE+h2o	7.80E+06	2.0	-765.0
4118.	pcho-CE+oh=EpchoC+h2o	7.80E+06	2.0	-765.0
4119.	pcho-CF+ch3=CpchoF+ch4	2.00E+11	0.0	10000.0
4120.	pcho-CF+ch3=FpchoC+ch4	2.00E+11	0.0	10000.0
4121.	pcho-CF+ch3o2=CpchoF+ch3o2h	1.00E+13	0.0	19000.0
4122.	pcho-CF+ch3o2=FpchoC+ch3o2h	1.00E+13	0.0	19000.0
4123.	pcho-CF+h=CpchoF+h2	2.70E+07	2.0	5000.0
4124.	pcho-CF+h=FpchoC+h2	2.70E+07	2.0	5000.0
4125.	pcho-CF+ho2=CpchoF+h2o2	4.00E+12	0.0	17000.0
4126.	pcho-CF+ho2=FpchoC+h2o2	4.00E+12	0.0	17000.0
4127.	pcho-CF+o=CpchoF+oh	5.00E+12	0.0	0.0
4128.	pcho-CF+o=FpchoC+oh	5.00E+12	0.0	0.0
4129.	pcho-CF+oh=CpchoF+h2o	7.80E+06	2.0	-765.0
4130.	pcho-CF+oh=FpchoC+h2o	7.80E+06	2.0	-765.0
4131.	pcho-CG+ch3=CpchoG+ch4	2.00E+11	0.0	10000.0
4132.	pcho-CG+ch3=GpchoC+ch4	2.00E+11	0.0	10000.0
4133.	pcho-CG+ch3o2=CpchoG+ch3o2h	1.00E+13	0.0	19000.0
4134.	pcho-CG+ch3o2=GpchoC+ch3o2h	1.00E+13	0.0	19000.0
4135.	pcho-CG+h=CpchoG+h2	2.70E+07	2.0	5000.0
4136.	pcho-CG+h=GpchoC+h2	2.70E+07	2.0	5000.0
4137.	pcho-CG+ho2=CpchoG+h2o2	4.00E+12	0.0	17000.0
4138.	pcho-CG+ho2=GpchoC+h2o2	4.00E+12	0.0	17000.0
4139.	pcho-CG+o=CpchoG+oh	5.00E+12	0.0	0.0
4140.	pcho-CG+o=GpchoC+oh	5.00E+12	0.0	0.0
4141.	pcho-CG+oh=CpchoG+h2o	7.80E+06	2.0	-765.0
4142.	pcho-CG+oh=GpchoC+h2o	7.80E+06	2.0	-765.0
4143.	pcho-DE+ch3=DpchoE+ch4	2.00E+11	0.0	10000.0
4144.	pcho-DE+ch3o2=DpchoE+ch3o2h	1.00E+13	0.0	19000.0
4145.	pcho-DE+h=DpchoE+h2	2.70E+07	2.0	5000.0
4146.	pcho-DE+ho2=DpchoE+h2o2	4.00E+12	0.0	17000.0
4147.	pcho-DE+o=DpchoE+oh	5.00E+12	0.0	0.0
4148.	pcho-DE+oh=DpchoE+h2o	7.80E+06	2.0	-765.0
4149.	pcho-DF+ch3=DpchoF+ch4	2.00E+11	0.0	10000.0
4150.	pcho-DF+ch3o2=DpchoF+ch3o2h	1.00E+13	0.0	19000.0

4151.	pcho-DF+h=DpchoF+h2	2.70E+07	2.0	5000.0
4152.	pcho-DF+ho2=DpchoF+h2o2	4.00E+12	0.0	17000.0
4153.	pcho-DF+o=DpchoF+oh	5.00E+12	0.0	0.0
4154.	pcho-DF+oh=DpchoF+h2o	7.80E+06	2.0	-765.0
4155.	pcho-DG+ch3=DpchoG+ch4	2.00E+11	0.0	10000.0
4156.	pcho-DG+ch3o2=DpchoG+ch3o2h	1.00E+13	0.0	19000.0
4157.	pcho-DG+h=DpchoG+h2	2.70E+07	2.0	5000.0
4158.	pcho-DG+ho2=DpchoG+h2o2	4.00E+12	0.0	17000.0
4159.	pcho-DG+o=DpchoG+oh	5.00E+12	0.0	0.0
4160.	pcho-DG+oh=DpchoG+h2o	7.80E+06	2.0	-765.0
4161.	pcho-EF+ch3=EpchoF+ch4	2.00E+11	0.0	10000.0
4162.	pcho-EF+ch3=EpchoE+ch4	2.00E+11	0.0	10000.0
4163.	pcho-EF+ch3o2=EpchoF+ch3o2h	1.00E+13	0.0	19000.0
4164.	pcho-EF+ch3o2=EpchoE+ch3o2h	1.00E+13	0.0	19000.0
4165.	pcho-EF+h=EpchoF+h2	2.70E+07	2.0	5000.0
4166.	pcho-EF+h=EpchoE+h2	2.70E+07	2.0	5000.0
4167.	pcho-EF+ho2=EpchoF+h2o2	4.00E+12	0.0	17000.0
4168.	pcho-EF+ho2=EpchoE+h2o2	4.00E+12	0.0	17000.0
4169.	pcho-EF+o=EpchoF+oh	5.00E+12	0.0	0.0
4170.	pcho-EF+o=EpchoE+oh	5.00E+12	0.0	0.0
4171.	pcho-EF+oh=EpchoF+h2o	7.80E+06	2.0	-765.0
4172.	pcho-EF+oh=EpchoE+h2o	7.80E+06	2.0	-765.0
4173.	pcho-EG+ch3=EpchoG+ch4	2.00E+11	0.0	10000.0
4174.	pcho-EG+ch3=GpchoE+ch4	2.00E+11	0.0	10000.0
4175.	pcho-EG+ch3o2=EpchoG+ch3o2h	1.00E+13	0.0	19000.0
4176.	pcho-EG+ch3o2=GpchoE+ch3o2h	1.00E+13	0.0	19000.0
4177.	pcho-EG+h=EpchoG+h2	2.70E+07	2.0	5000.0
4178.	pcho-EG+h=GpchoE+h2	2.70E+07	2.0	5000.0
4179.	pcho-EG+ho2=EpchoG+h2o2	4.00E+12	0.0	17000.0
4180.	pcho-EG+ho2=GpchoE+h2o2	4.00E+12	0.0	17000.0
4181.	pcho-EG+o=EpchoG+oh	5.00E+12	0.0	0.0
4182.	pcho-EG+o=GpchoE+oh	5.00E+12	0.0	0.0
4183.	pcho-EG+oh=EpchoG+h2o	7.80E+06	2.0	-765.0
4184.	pcho-EG+oh=GpchoE+h2o	7.80E+06	2.0	-765.0
4185.	pcho-EH+ch3=EpchoH+ch4	2.00E+11	0.0	10000.0
4186.	pcho-EH+ch3=HpchoE+ch4	2.00E+11	0.0	10000.0
4187.	pcho-EH+ch3o2=EpchoH+ch3o2h	1.00E+13	0.0	19000.0
4188.	pcho-EH+ch3o2=HpchoE+ch3o2h	1.00E+13	0.0	19000.0
4189.	pcho-EH+h=EpchoH+h2	2.70E+07	2.0	5000.0
4190.	pcho-EH+h=HpchoE+h2	2.70E+07	2.0	5000.0
4191.	pcho-EH+ho2=EpchoH+h2o2	4.00E+12	0.0	17000.0
4192.	pcho-EH+ho2=HpchoE+h2o2	4.00E+12	0.0	17000.0
4193.	pcho-EH+o=EpchoH+oh	5.00E+12	0.0	0.0
4194.	pcho-EH+o=HpchoE+oh	5.00E+12	0.0	0.0
4195.	pcho-EH+oh=EpchoH+h2o	7.80E+06	2.0	-765.0
4196.	pcho-EH+oh=HpchoE+h2o	7.80E+06	2.0	-765.0
4197.	pcho-EI+ch3=IpchoE+ch4	4.00E+11	0.0	10000.0
4198.	pcho-EI+ch3o2=IpchoE+ch3o2h	2.00E+13	0.0	19000.0
4199.	pcho-EI+h=IpchoE+h2	5.40E+07	2.0	5000.0
4200.	pcho-EI+ho2=IpchoE+h2o2	8.00E+12	0.0	17000.0
4201.	pcho-EI+o=IpchoE+oh	1.00E+13	0.0	0.0
4202.	pcho-EI+oh=IpchoE+h2o	1.56E+07	2.0	-765.0
4203.	pcho-FG+ch3=EpchoG+ch4	2.00E+11	0.0	10000.0
4204.	pcho-FG+ch3=GpchoF+ch4	2.00E+11	0.0	10000.0
4205.	pcho-FG+ch3o2=EpchoG+ch3o2h	1.00E+13	0.0	19000.0
4206.	pcho-FG+ch3o2=GpchoF+ch3o2h	1.00E+13	0.0	19000.0
4207.	pcho-FG+h=EpchoG+h2	2.70E+07	2.0	5000.0
4208.	pcho-FG+h=GpchoF+h2	2.70E+07	2.0	5000.0
4209.	pcho-FG+ho2=EpchoG+h2o2	4.00E+12	0.0	17000.0
4210.	pcho-FG+ho2=GpchoF+h2o2	4.00E+12	0.0	17000.0
4211.	pcho-FG+o=EpchoG+oh	5.00E+12	0.0	0.0

4212.	pcho-FG+o=GpchoF+oh	5.00E+12	0.0	0.0
4213.	pcho-FG+oh=FpchoG+h2o	7.80E+06	2.0	-765.0
4214.	pcho-FG+oh=GpchoF+h2o	7.80E+06	2.0	-765.0
4215.	pcho-FH+ch3=HpchoF+ch4	4.00E+11	0.0	10000.0
4216.	pcho-FH+ch3o2=HpchoF+ch3o2h	2.00E+13	0.0	19000.0
4217.	pcho-FH+h=HpchoF+h2	5.40E+07	2.0	5000.0
4218.	pcho-FH+ho2=HpchoF+h2o2	8.00E+12	0.0	17000.0
4219.	pcho-FH+o=HpchoF+oh	1.00E+13	0.0	0.0
4220.	pcho-FH+oh=HpchoF+h2o	1.56E+07	2.0	-765.0
4221.	ApchohB+o2=Ao2pchohB	2.00E+12	0.0	0.0
4222.	BpchohA+o2=Bo2pchohA	2.00E+12	0.0	0.0
4223.	BpchohC+o2=Bo2pchohC	2.00E+12	0.0	0.0
4224.	CpchohB+o2=Co2pchohB	2.00E+12	0.0	0.0
4225.	CpchohD+o2=Co2pchohD	2.00E+12	0.0	0.0
4226.	DpchohC+o2=Do2pchohC	2.00E+12	0.0	0.0
4227.	DpchohE+o2=Do2pchohE	2.00E+12	0.0	0.0
4228.	EpchohD+o2=EO2pchohD	2.00E+12	0.0	0.0
4229.	EpchohF+o2=EO2pchohF	2.00E+12	0.0	0.0
4230.	FpchohE+o2=FO2pchohE	2.00E+12	0.0	0.0
4231.	FpchohG+o2=FO2pchohG	2.00E+12	0.0	0.0
4232.	GpchohF+o2=GO2pchohF	2.00E+12	0.0	0.0
4233.	Ao2pchohB=>oh+echoA+ch2o	1.00E+16	0.0	25000.0
4234.	Bo2pchohA=>oh+echoA+ch2o	1.00E+16	0.0	25000.0
4235.	Bo2pchohC=>oh+mchoA+ch3hco	1.00E+16	0.0	25000.0
4236.	Co2pchohB=>oh+mchoA+ch3hco	1.00E+16	0.0	25000.0
4237.	Co2pchohD=>oh+chxone+ethco	1.00E+16	0.0	25000.0
4238.	Do2pchohC=>oh+chxone+ethco	1.00E+16	0.0	25000.0
4239.	Do2pchohE=>oh+c9oAoF	1.00E+16	0.0	25000.0
4240.	Eo2pchohD=>oh+c9oAoF	1.00E+16	0.0	25000.0
4241.	Eo2pchohF=>oh+MeEc8oAoI	1.00E+16	0.0	25000.0
4242.	Fo2pchohE=>oh+MeEc8oAoI	1.00E+16	0.0	25000.0
4243.	Fo2pchohG=>oh+EtDc7oAoI	1.00E+16	0.0	25000.0
4244.	Go2pchohF=>oh+EtDc7oAoI	1.00E+16	0.0	25000.0
4245.	c9oAoF+oh=c9oyAoF+h2o	4.20E+12	0.0	500.0
4246.	c9oAoF+h=c9oyAoF+h2	4.00E+13	0.0	4200.0
4247.	c9oAoF+ho2=c9oyAoF+h2o2	1.00E+12	0.0	10000.0
4248.	c9oyAoF=Hc8oD+co	2.00E+13	0.0	28700.0
4249.	c9oyAoF+ho2=Hc8oD+co2+oh	2.00E+13	0.0	0.0
4250.	c2h4+Ac6oC=Hc8oD	1.76E+04	2.5	6130.0
4251.	c2h4+c3h7co=Ac6oC	1.00E+11	0.0	7800.0
4252.	MeEc8oAoI+oh=MeEc8oAoyI+h2o	4.20E+12	0.0	500.0
4253.	MeEc8oAoI+h=MeEc8oAoyI+h2	4.00E+13	0.0	4200.0
4254.	MeEc8oAoI+ho2=MeEc8oAoyI+h2o2	1.00E+12	0.0	10000.0
4255.	MeEc8oAoI+oh=MeEc8oyAoI+h2o	4.20E+12	0.0	500.0
4256.	MeEc8oAoI+h=MeEc8oyAoI+h2	4.00E+13	0.0	4200.0
4257.	MeEc8oAoI+ho2=MeEc8oyAoI+h2o2	1.00E+12	0.0	10000.0
4258.	MeEc8oAoyI=Ec8oA+co	2.00E+13	0.0	28700.0
4259.	MeEc8oAoyI+ho2=Ec8oA+co2+oh	2.00E+13	0.0	0.0
4260.	MeEc8oyAoI=MeDc7oHrA+co	2.00E+13	0.0	28700.0
4261.	MeEc8oyAoI+ho2=MeDc7oHrA+co2+oh	2.00E+13	0.0	0.0
4262.	c2h4+MeBc5oArF=MeDc7oHrA	1.76E+04	2.5	6130.0
4263.	c5h10+hco=MeBc5oArF	1.76E+04	2.5	6130.0
4264.	nc3h7+acrol=MeBc5oArF	1.76E+04	2.5	6130.0
4265.	ch2ch2hco+c5h10=Ec8oA	1.76E+04	2.5	6130.0
4266.	c6e5oA+c2h5=Ec8oA	1.76E+04	2.5	6130.0
4267.	EtDc7oAoI+oh=EtDc7oAoyI+h2o	4.20E+12	0.0	500.0
4268.	EtDc7oAoI+h=EtDc7oAoyI+h2	4.00E+13	0.0	4200.0
4269.	EtDc7oAoI+ho2=EtDc7oAoyI+h2o2	1.00E+12	0.0	10000.0
4270.	EtDc7oAoI+oh=EtDc7oyAoI+h2o	4.20E+12	0.0	500.0
4271.	EtDc7oAoI+h=EtDc7oyAoI+h2	4.00E+13	0.0	4200.0
4272.	EtDc7oAoI+ho2=EtDc7oyAoI+h2o2	1.00E+12	0.0	10000.0



4273.	EtDc7oAoyI=MeDc7oArH+co	2.00E+13	0.0	28700.0
4274.	EtDc7oAoyI+ho2=MeDc7oArH+co2+oh	2.00E+13	0.0	0.0
4275.	EtDc7oyAoI=EtCc6oArH+co	2.00E+13	0.0	28700.0
4276.	EtDc7oyAoI+ho2=EtCc6oArH+co2+oh	2.00E+13	0.0	0.0
4277.	c5h10+ch2ch2hco=MeDc7oArH	1.76E+04	2.5	6130.0
4278.	nc3h7+c4h7hco-1=MeDc7oArH	1.76E+04	2.5	6130.0
4279.	c2h4+Cc6oA=EtCc6oArH	1.76E+04	2.5	6130.0
4280.	c5h10+hco=Cc6oA	1.76E+04	2.5	6130.0
4281.	c2h5+ac3h5hco=Cc6oA	1.76E+04	2.5	6130.0
4282.	BpchqA=oh+pcho-AB	7.50E+10	0.0	22000.0
4283.	CpchqA=oh+pcho-AC	6.25E+09	0.0	15250.0
4284.	DpchqA=oh+pcho-AD	5.20E+08	0.0	6500.0
4285.	EpchqA=oh+pcho-AE	4.33E+07	0.0	1800.0
4286.	ApchqB=oh+pcho-AB	2.95E+11	0.0	22000.0
4287.	CpchqB=oh+pcho-BC	2.95E+11	0.0	22000.0
4288.	DpchqB=oh+pcho-BD	2.50E+10	0.0	15250.0
4289.	EpchqB=oh+pcho-BE	2.10E+08	0.0	6500.0
4290.	FpchqB=oh+pcho-BF	1.50E+08	0.0	1800.0
4291.	ApchqC=oh+pcho-AC	2.50E+10	0.0	15250.0
4292.	BpchqC=oh+pcho-BC	2.95E+11	0.0	22000.0
4293.	DpchqC=oh+pcho-CD	2.95E+11	0.0	22000.0
4294.	EpchqC=oh+pcho-CE	2.50E+10	0.0	15250.0
4295.	FpchqC=oh+pcho-CF	2.10E+08	0.0	6500.0
4296.	GpchqC=oh+pcho-CG	1.50E+08	0.0	1800.0
4297.	ApchqD=oh+pcho-AD	2.10E+08	0.0	6500.0
4298.	BpchqD=oh+pcho-BD	2.50E+10	0.0	15250.0
4299.	CpchqD=oh+pcho-CD	2.95E+11	0.0	22000.0
4300.	EpchqD=oh+pcho-DE	5.80E+12	0.0	13400.0
4301.	FpchqD=oh+pcho-DF	1.40E+12	0.0	20000.0
4302.	GpchqD=oh+pcho-DG	8.60E+12	0.0	18500.0
4303.	ApchqE=oh+pcho-AE	1.50E+08	0.0	1800.0
4304.	BpchqE=oh+pcho-BE	2.10E+08	0.0	6500.0
4305.	CpchqE=oh+pcho-CE	2.50E+10	0.0	15250.0
4306.	DpchqE=oh+pcho-DE	5.80E+12	0.0	13400.0
4307.	FpchqE=oh+pcho-EF	5.80E+12	0.0	13400.0
4308.	GpchqE=oh+pcho-EG	1.40E+12	0.0	20000.0
4309.	HpchqE=oh+pcho-EH	8.60E+12	0.0	18500.0
4310.	IpchqE=oh+pcho-EI	1.40E+12	0.0	20000.0
4311.	BpchqF=oh+pcho-BF	1.50E+08	0.0	1800.0
4312.	CpchqF=oh+pcho-CF	2.10E+08	0.0	6500.0
4313.	DpchqF=oh+pcho-DF	1.40E+12	0.0	20000.0
4314.	EpchqF=oh+pcho-EF	5.80E+12	0.0	13400.0
4315.	GpchqF=oh+pcho-FG	5.80E+12	0.0	13400.0
4316.	HpchqF=oh+pcho-FH	1.40E+12	0.0	20000.0
4317.	IpchqF=oh+pcho-EH	8.60E+12	0.0	18500.0
4318.	CpchqG=oh+pcho-CG	1.50E+08	0.0	1800.0
4319.	DpchqG=oh+pcho-DG	8.60E+12	0.0	18500.0
4320.	EpchqG=oh+pcho-EG	1.40E+12	0.0	20000.0
4321.	FpchqG=oh+pcho-FG	5.80E+12	0.0	13400.0
4322.	ApchqA=oh+pchoA	4.80E+12	0.0	28725.0
4323.	BpchqB=oh+pchoB	4.80E+12	0.0	28725.0
4324.	CpchqC=oh+pchoC	4.80E+12	0.0	28725.0
4325.	EpchqE=oh+pchoE	4.80E+12	0.0	28725.0
4326.	FpchqF=oh+pchoF	4.80E+12	0.0	28725.0
4327.	GpchqG=oh+pchoG	4.80E+12	0.0	28725.0
4328.	ApchqC=oh+c2h4+mchoA	5.00E+13	0.0	25500.0
4329.	CpchqA=oh+ch2o+echel	5.00E+13	0.0	25500.0
4330.	BpchqD=oh+c3h6+chxone	5.00E+13	0.0	25500.0
4331.	DpchqB=oh+ch3hco+mchel	4.00E+12	0.0	19500.0
4332.	CpchqE=oh+c8h15hco	5.00E+13	0.0	25500.0
4333.	EpchqC=oh+ethco+cyc6h10	5.00E+13	0.0	25500.0

4334.	DpchgF=oh+c8h15hco	5.00E+13	0.0	25500.0
4335.	FpchgD=oh+c9e8oD	5.00E+13	0.0	25500.0
4336.	EpchgG=oh+c8h15hco	5.00E+13	0.0	25500.0
4337.	GpchgE=oh+c8h15hco	5.00E+13	0.0	25500.0
4338.	IpchgE=oh+c8h15hco	5.00E+13	0.0	25500.0
4339.	HpchgF=oh+c8h15hco	5.00E+13	0.0	25500.0
4340.	BpchqA+o2=pchgAqjB	1.84E+45	-11.1	6538.0
4341.	CpchqA+o2=pchgAqjC	1.84E+45	-11.1	6538.0
4342.	DpchqA+o2=pchgAqjD	1.84E+45	-11.1	6538.0
4343.	EpchgA+o2=pchgAqjE	1.84E+45	-11.1	6538.0
4344.	FpchqA+o2=pchgAqjF	1.84E+45	-11.1	6538.0
4345.	GpchqA+o2=pchgAqjG	1.84E+45	-11.1	6538.0
4346.	ApchgB+o2=pchgBqjA	4.82E+36	-8.2	5167.0
4347.	CpchqB+o2=pchgBqjC	1.84E+45	-11.1	6538.0
4348.	DpchqB+o2=pchgBqjD	1.84E+45	-11.1	6538.0
4349.	EpchgB+o2=pchgBqjE	1.84E+45	-11.1	6538.0
4350.	FpchqB+o2=pchgBqjF	1.84E+45	-11.1	6538.0
4351.	GpchqB+o2=pchgBqjG	1.84E+45	-11.1	6538.0
4352.	ApchgC+o2=pchgCqjA	4.82E+36	-8.2	5167.0
4353.	BpchqC+o2=pchgCqjB	1.84E+45	-11.1	6538.0
4354.	DpchqC+o2=pchgCqjD	1.84E+45	-11.1	6538.0
4355.	EpchgC+o2=pchgCqjE	1.84E+45	-11.1	6538.0
4356.	FpchqC+o2=pchgCqjF	1.84E+45	-11.1	6538.0
4357.	GpchqC+o2=pchgCqjG	1.84E+45	-11.1	6538.0
4358.	ApchgD+o2=pchgDqjA	4.82E+36	-8.2	5167.0
4359.	BpchqD+o2=pchgDqjB	1.84E+45	-11.1	6538.0
4360.	CpchqD+o2=pchgDqjC	1.84E+45	-11.1	6538.0
4361.	EpchgD+o2=pchgDqjE	1.84E+45	-11.1	6538.0
4362.	FpchqD+o2=pchgDqjF	1.84E+45	-11.1	6538.0
4363.	GpchqD+o2=pchgDqjG	1.84E+45	-11.1	6538.0
4364.	ApchgE+o2=pchgEqjA	4.82E+36	-8.2	5167.0
4365.	BpchqE+o2=pchgEqjB	1.84E+45	-11.1	6538.0
4366.	CpchqE+o2=pchgEqjC	1.84E+45	-11.1	6538.0
4367.	DpchqE+o2=pchgEqjD	1.84E+45	-11.1	6538.0
4368.	FpchqE+o2=pchgEqjF	1.84E+45	-11.1	6538.0
4369.	GpchqE+o2=pchgEqjG	1.84E+45	-11.1	6538.0
4370.	HpchgE+o2=pchgEqjH	1.84E+45	-11.1	6538.0
4371.	IpchgE+o2=pchgEqjI	1.84E+45	-11.1	6538.0
4372.	ApchgF+o2=pchgFqjA	4.82E+36	-8.2	5167.0
4373.	BpchqF+o2=pchgFqjB	1.84E+45	-11.1	6538.0
4374.	CpchqF+o2=pchgFqjC	1.84E+45	-11.1	6538.0
4375.	DpchqF+o2=pchgFqjD	1.84E+45	-11.1	6538.0
4376.	EpchgF+o2=pchgFqjE	1.84E+45	-11.1	6538.0
4377.	GpchqF+o2=pchgFqjG	1.84E+45	-11.1	6538.0
4378.	HpchgF+o2=pchgFqjH	1.84E+45	-11.1	6538.0
4379.	IpchgF+o2=pchgFqjI	1.84E+45	-11.1	6538.0
4380.	ApchgG+o2=pchgGqjA	4.82E+36	-8.2	5167.0
4381.	BpchqG+o2=pchgGqjB	1.84E+45	-11.1	6538.0
4382.	CpchqG+o2=pchgGqjC	1.84E+45	-11.1	6538.0
4383.	DpchqG+o2=pchgGqjD	1.84E+45	-11.1	6538.0
4384.	EpchgG+o2=pchgGqjE	1.84E+45	-11.1	6538.0
4385.	FpchqG+o2=pchgGqjF	1.84E+45	-11.1	6538.0
4386.	pchgAqjB=pchoAqB+oh	3.34E+09	1.0	33500.0
4387.	pchgAqjC=pchoAqC+oh	5.75E+08	1.0	26000.0
4388.	pchgAqjD=pchoAqD+oh	9.89E+07	1.0	23000.0
4389.	pchgBqjA=pchoBqA+oh	1.67E+09	1.0	30500.0
4390.	pchgBqjC=pchoBqC+oh	1.67E+09	1.0	30500.0
4391.	pchgBqjD=pchoBqD+oh	2.87E+08	1.0	23000.0
4392.	pchgBqjE=pchoBqE+oh	3.06E+07	1.0	20645.3
4393.	pchgBqjE=DpchqBqE	1.04E+09	1.0	30145.3
4394.	pchgBqjE=FpchqBqE	2.07E+09	1.0	33145.3

4395.	pchqBqjE=GpchqBqE	2.14E+09	1.0	28226.6
4396.	pchqBqjE=HpchqBqE	3.45E+08	1.0	27305.9
4397.	pchqBqjE=IpchqBqE	2.14E+09	1.0	28226.6
4398.	pchqCqjA=pchoCqA+oh	2.87E+08	1.0	23000.0
4399.	pchqCqjB=pchoCqB+oh	1.67E+09	1.0	30500.0
4400.	pchqCqjD=pchoCqD+oh	1.67E+09	1.0	30500.0
4401.	pchqCqjE=pchoCqE+oh	1.78E+08	1.0	23645.3
4402.	pchqCqjF=pchoCqF+oh	1.84E+08	1.0	23226.6
4403.	pchqCqjE=DpchqCqE	1.04E+09	1.0	30145.3
4404.	pchqCqjE=FpchqCqE	2.07E+09	1.0	33145.3
4405.	pchqCqjE=GpchqCqE	2.14E+09	1.0	28226.6
4406.	pchqCqjE=HpchqCqE	3.45E+08	1.0	27305.9
4407.	pchqCqjE=IpchqCqE	2.14E+09	1.0	28226.6
4408.	pchqCqjF=DpchqCqF	1.07E+09	1.0	25226.6
4409.	pchqCqjF=EpchqCqF	2.07E+09	1.0	33145.3
4410.	pchqCqjF=GpchqCqF	2.07E+09	1.0	33145.3
4411.	pchqCqjF=HpchqCqF	2.14E+09	1.0	28226.6
4412.	pchqCqjF=IpchqCqF	3.45E+08	1.0	27305.9
4413.	pchqDqjF=CpchqDqF	3.68E+08	1.0	25226.6
4414.	pchqDqjF=HpchqDqF	2.14E+09	1.0	28226.6
4415.	pchqDqjB=EpchqDqB	1.22E+08	1.0	22645.3
4416.	pchqEqjA=pchoEqA+oh	5.27E+06	1.0	19645.3
4417.	pchqEqjB=pchoEqB+oh	3.06E+07	1.0	20645.3
4418.	pchqEqjC=pchoEqC+oh	1.78E+08	1.0	23645.3
4419.	pchqEqjD=pchoEqD+oh	1.04E+09	1.0	31145.3
4420.	pchqEqjF=pchoEqF+oh	1.04E+09	1.0	31145.3
4421.	pchqEqjI=pchoEqI+oh	1.07E+09	1.0	26226.6
4422.	pchqEqjG=pchoEqG+oh	1.07E+09	1.0	26226.6
4423.	pchqEqjH=pchoEqH+oh	1.73E+08	1.0	25305.9
4424.	pchqEqjG=DpchqEqG	1.71E+08	1.0	24305.9
4425.	pchqEqjG=FpchqEqG	2.07E+09	1.0	33145.3
4426.	pchqEqjG=HpchqEqG	2.07E+09	1.0	33145.3
4427.	pchqEqjG=IpchqEqG	2.14E+09	1.0	28226.6
4428.	pchqEqjH=CpchqEqH	3.68E+08	1.0	25226.6
4429.	pchqEqjH=DpchqEqH	1.08E+09	1.0	25226.6
4430.	pchqEqjH=FpchqEqH	2.14E+09	1.0	28226.6
4431.	pchqEqjI=BpchqEqI	6.13E+07	1.0	22645.3
4432.	pchqEqjI=CpchqEqI	3.56E+08	1.0	25645.3
4433.	pchqEqjI=GpchqEqI	2.14E+09	1.0	28226.6
4434.	pchqFqjA=pchoFqA+oh	5.43E+06	1.0	21226.6
4435.	pchqFqjB=pchoFqB+oh	3.16E+07	1.0	22226.6
4436.	pchqFqjC=pchoFqC+oh	1.84E+08	1.0	23226.6
4437.	pchqFqjD=pchoFqD+oh	1.07E+09	1.0	26226.6
4438.	pchqFqjI=pchoFqI+oh	1.71E+08	1.0	25305.9
4439.	pchqFqjH=pchoFqH+oh	1.07E+09	1.0	26226.6
4440.	pchqFqjE=pchoFqE+oh	1.04E+09	1.0	31145.3
4441.	pchqFqjG=pchoFqG+oh	1.04E+09	1.0	31145.3
4442.	pchqFqjD=ApchqDqF	1.48E+08	1.0	25000.0
4443.	pchqFqjD=BpchqDqF	5.75E+08	1.0	25000.0
4444.	pchqFqjD=GpchqDqF	3.43E+08	1.0	27305.9
4445.	pchqFqjD=HpchqDqF	2.14E+09	1.0	28226.6
4446.	pchqFqjH=DpchqFqH	1.07E+09	1.0	25226.6
4447.	pchqFqjH=CpchqFqH	3.68E+08	1.0	25226.6
4448.	pchqFqjH=EpchqFqH	2.07E+09	1.0	33645.3
	Declared duplicate reaction...			
4449.	pchqFqjH=EpchqFqH	3.43E+08	1.0	27305.9
	Declared duplicate reaction...			
4450.	pchqFqjI=BpchqEqH	6.13E+07	1.0	22645.3
4451.	pchqFqjI=CpchqEqH	3.56E+08	1.0	25645.3
4452.	pchqFqjI=GpchqEqH	2.14E+09	1.0	28226.6
4453.	pchqFqjI=IpchqEqH	2.14E+09	1.0	28226.6

4454.	pchqGqjD=pchoGqD+oh	1.71E+08	1.0	25305.9
4455.	pchqGqjE=pchoGqE+oh	1.07E+09	1.0	26226.6
4456.	pchqGqjF=pchoGqF+oh	1.04E+09	1.0	31145.3
4457.	pchqGqjE=BpchqEqG	6.13E+07	1.0	22645.3
4458.	pchqGqjE=CpchqEqG	3.56E+08	1.0	25645.3
4459.	pchqGqjE=IpchqEqG	2.14E+09	1.0	28226.6
4460.	Apche2+ho2=pche2ojA+oh	1.90E+12	0.0	-1200.0
4461.	Apche2+ho2=pche1ojC+oh	1.90E+12	0.0	-1200.0
4462.	Dpche2+ho2=pche2ojD+oh	1.90E+12	0.0	-1200.0
4463.	Dpche2+ho2=pche3ojB+oh	1.90E+12	0.0	-1200.0
4464.	Cpche4+ho2=pche4ojC+oh	1.90E+12	0.0	-1200.0
4465.	Cpche4+ho2=pche3ojE+oh	1.90E+12	0.0	-1200.0
4466.	Dpche5+ho2=pche5ojD+oh	1.90E+12	0.0	-1200.0
4467.	Dpche5+ho2=pche4ojF+oh	1.90E+12	0.0	-1200.0
4468.	Epche6+ho2=pche6ojE+oh	1.90E+12	0.0	-1200.0
4469.	Epche6+ho2=pche5ojG+oh	1.90E+12	0.0	-1200.0
4470.	Fpche7+ho2=pche7ojF+oh	1.90E+12	0.0	-1200.0
4471.	Apche2+ch3o2=pche2ojA+ch3o	1.90E+12	0.0	-1200.0
4472.	Apche2+ch3o2=pche1ojC+ch3o	1.90E+12	0.0	-1200.0
4473.	Dpche2+ch3o2=pche2ojD+ch3o	1.90E+12	0.0	-1200.0
4474.	Dpche2+ch3o2=pche3ojB+ch3o	1.90E+12	0.0	-1200.0
4475.	Cpche4+ch3o2=pche4ojC+ch3o	1.90E+12	0.0	-1200.0
4476.	Cpche4+ch3o2=pche3ojE+ch3o	1.90E+12	0.0	-1200.0
4477.	Dpche5+ch3o2=pche5ojD+ch3o	1.90E+12	0.0	-1200.0
4478.	Dpche5+ch3o2=pche4ojF+ch3o	1.90E+12	0.0	-1200.0
4479.	Epche6+ch3o2=pche6ojE+ch3o	1.90E+12	0.0	-1200.0
4480.	Epche6+ch3o2=pche5ojG+ch3o	1.90E+12	0.0	-1200.0
4481.	Fpche7+ch3o2=pche7ojF+ch3o	1.90E+12	0.0	-1200.0
4482.	Apche2+c2h5o2=pche2ojA+c2h5o	1.90E+12	0.0	-1200.0
4483.	Apche2+c2h5o2=pche1ojC+c2h5o	1.90E+12	0.0	-1200.0
4484.	Dpche2+c2h5o2=pche2ojD+c2h5o	1.90E+12	0.0	-1200.0
4485.	Dpche2+c2h5o2=pche3ojB+c2h5o	1.90E+12	0.0	-1200.0
4486.	Cpche4+c2h5o2=pche4ojC+c2h5o	1.90E+12	0.0	-1200.0
4487.	Cpche4+c2h5o2=pche3ojE+c2h5o	1.90E+12	0.0	-1200.0
4488.	Dpche5+c2h5o2=pche5ojD+c2h5o	1.90E+12	0.0	-1200.0
4489.	Dpche5+c2h5o2=pche4ojF+c2h5o	1.90E+12	0.0	-1200.0
4490.	Epche6+c2h5o2=pche6ojE+c2h5o	1.90E+12	0.0	-1200.0
4491.	Epche6+c2h5o2=pche5ojG+c2h5o	1.90E+12	0.0	-1200.0
4492.	Fpche7+c2h5o2=pche7ojF+c2h5o	1.90E+12	0.0	-1200.0
4493.	Apche2+nc3h7o2=pche2ojA+nc3h7o	1.90E+12	0.0	-1200.0
4494.	Apche2+nc3h7o2=pche1ojC+nc3h7o	1.90E+12	0.0	-1200.0
4495.	Dpche2+nc3h7o2=pche2ojD+nc3h7o	1.90E+12	0.0	-1200.0
4496.	Dpche2+nc3h7o2=pche3ojB+nc3h7o	1.90E+12	0.0	-1200.0
4497.	Cpche4+nc3h7o2=pche4ojC+nc3h7o	1.90E+12	0.0	-1200.0
4498.	Cpche4+nc3h7o2=pche3ojE+nc3h7o	1.90E+12	0.0	-1200.0
4499.	Dpche5+nc3h7o2=pche5ojD+nc3h7o	1.90E+12	0.0	-1200.0
4500.	Dpche5+nc3h7o2=pche4ojF+nc3h7o	1.90E+12	0.0	-1200.0
4501.	Epche6+nc3h7o2=pche6ojE+nc3h7o	1.90E+12	0.0	-1200.0
4502.	Epche6+nc3h7o2=pche5ojG+nc3h7o	1.90E+12	0.0	-1200.0
4503.	Fpche7+nc3h7o2=pche7ojF+nc3h7o	1.90E+12	0.0	-1200.0
4504.	Apche2+pchqjA=pche2ojA+pchojA	1.90E+12	0.0	-1200.0
4505.	Apche2+pchqjA=pche1ojC+pchojA	1.90E+12	0.0	-1200.0
4506.	Dpche2+pchqjA=pche2ojD+pchojA	1.90E+12	0.0	-1200.0
4507.	Dpche2+pchqjA=pche3ojB+pchojA	1.90E+12	0.0	-1200.0
4508.	Cpche4+pchqjA=pche4ojC+pchojA	1.90E+12	0.0	-1200.0
4509.	Cpche4+pchqjA=pche3ojE+pchojA	1.90E+12	0.0	-1200.0
4510.	Dpche5+pchqjA=pche5ojD+pchojA	1.90E+12	0.0	-1200.0
4511.	Dpche5+pchqjA=pche4ojF+pchojA	1.90E+12	0.0	-1200.0
4512.	Epche6+pchqjA=pche6ojE+pchojA	1.90E+12	0.0	-1200.0
4513.	Epche6+pchqjA=pche5ojG+pchojA	1.90E+12	0.0	-1200.0
4514.	Fpche7+pchqjA=pche7ojF+pchojA	1.90E+12	0.0	-1200.0

4515.	Apche2+pchqjB=pche2ojA+pchojB	1.90E+12	0.0	-1200.0
4516.	Apche2+pchqjB=pche1ojC+pchojB	1.90E+12	0.0	-1200.0
4517.	Dpche2+pchqjB=pche2ojD+pchojB	1.90E+12	0.0	-1200.0
4518.	Dpche2+pchqjB=pche3ojB+pchojB	1.90E+12	0.0	-1200.0
4519.	Cpche4+pchqjB=pche4ojC+pchojB	1.90E+12	0.0	-1200.0
4520.	Cpche4+pchqjB=pche3ojE+pchojB	1.90E+12	0.0	-1200.0
4521.	Dpche5+pchqjB=pche5ojD+pchojB	1.90E+12	0.0	-1200.0
4522.	Dpche5+pchqjB=pche4ojF+pchojB	1.90E+12	0.0	-1200.0
4523.	Epche6+pchqjB=pche6ojE+pchojB	1.90E+12	0.0	-1200.0
4524.	Epche6+pchqjB=pche5ojG+pchojB	1.90E+12	0.0	-1200.0
4525.	Fpche7+pchqjB=pche7ojF+pchojB	1.90E+12	0.0	-1200.0
4526.	Apche2+pchqjC=pche2ojA+pchojC	1.90E+12	0.0	-1200.0
4527.	Apche2+pchqjC=pche1ojC+pchojC	1.90E+12	0.0	-1200.0
4528.	Dpche2+pchqjC=pche2ojD+pchojC	1.90E+12	0.0	-1200.0
4529.	Dpche2+pchqjC=pche3ojB+pchojC	1.90E+12	0.0	-1200.0
4530.	Cpche4+pchqjC=pche4ojC+pchojC	1.90E+12	0.0	-1200.0
4531.	Cpche4+pchqjC=pche3ojE+pchojC	1.90E+12	0.0	-1200.0
4532.	Dpche5+pchqjC=pche5ojD+pchojC	1.90E+12	0.0	-1200.0
4533.	Dpche5+pchqjC=pche4ojF+pchojC	1.90E+12	0.0	-1200.0
4534.	Epche6+pchqjC=pche6ojE+pchojC	1.90E+12	0.0	-1200.0
4535.	Epche6+pchqjC=pche5ojG+pchojC	1.90E+12	0.0	-1200.0
4536.	Fpche7+pchqjC=pche7ojF+pchojC	1.90E+12	0.0	-1200.0
4537.	Apche2+pchqjD=pche2ojA+pchojD	1.90E+12	0.0	-1200.0
4538.	Apche2+pchqjD=pche1ojC+pchojD	1.90E+12	0.0	-1200.0
4539.	Dpche2+pchqjD=pche2ojD+pchojD	1.90E+12	0.0	-1200.0
4540.	Dpche2+pchqjD=pche3ojB+pchojD	1.90E+12	0.0	-1200.0
4541.	Cpche4+pchqjD=pche4ojC+pchojD	1.90E+12	0.0	-1200.0
4542.	Cpche4+pchqjD=pche3ojE+pchojD	1.90E+12	0.0	-1200.0
4543.	Dpche5+pchqjD=pche5ojD+pchojD	1.90E+12	0.0	-1200.0
4544.	Dpche5+pchqjD=pche4ojF+pchojD	1.90E+12	0.0	-1200.0
4545.	Epche6+pchqjD=pche6ojE+pchojD	1.90E+12	0.0	-1200.0
4546.	Epche6+pchqjD=pche5ojG+pchojD	1.90E+12	0.0	-1200.0
4547.	Fpche7+pchqjD=pche7ojF+pchojD	1.90E+12	0.0	-1200.0
4548.	Apche2+pchqjE=pche2ojA+pchojE	1.90E+12	0.0	-1200.0
4549.	Apche2+pchqjE=pche1ojC+pchojE	1.90E+12	0.0	-1200.0
4550.	Dpche2+pchqjE=pche2ojD+pchojE	1.90E+12	0.0	-1200.0
4551.	Dpche2+pchqjE=pche3ojB+pchojE	1.90E+12	0.0	-1200.0
4552.	Cpche4+pchqjE=pche4ojC+pchojE	1.90E+12	0.0	-1200.0
4553.	Cpche4+pchqjE=pche3ojE+pchojE	1.90E+12	0.0	-1200.0
4554.	Dpche5+pchqjE=pche5ojD+pchojE	1.90E+12	0.0	-1200.0
4555.	Dpche5+pchqjE=pche4ojF+pchojE	1.90E+12	0.0	-1200.0
4556.	Epche6+pchqjE=pche6ojE+pchojE	1.90E+12	0.0	-1200.0
4557.	Epche6+pchqjE=pche5ojG+pchojE	1.90E+12	0.0	-1200.0
4558.	Fpche7+pchqjE=pche7ojF+pchojE	1.90E+12	0.0	-1200.0
4559.	Apche2+pchqjF=pche2ojA+pchojF	1.90E+12	0.0	-1200.0
4560.	Apche2+pchqjF=pche1ojC+pchojF	1.90E+12	0.0	-1200.0
4561.	Dpche2+pchqjF=pche2ojD+pchojF	1.90E+12	0.0	-1200.0
4562.	Dpche2+pchqjF=pche3ojB+pchojF	1.90E+12	0.0	-1200.0
4563.	Cpche4+pchqjF=pche4ojC+pchojF	1.90E+12	0.0	-1200.0
4564.	Cpche4+pchqjF=pche3ojE+pchojF	1.90E+12	0.0	-1200.0
4565.	Dpche5+pchqjF=pche5ojD+pchojF	1.90E+12	0.0	-1200.0
4566.	Dpche5+pchqjF=pche4ojF+pchojF	1.90E+12	0.0	-1200.0
4567.	Epche6+pchqjF=pche6ojE+pchojF	1.90E+12	0.0	-1200.0
4568.	Epche6+pchqjF=pche5ojG+pchojF	1.90E+12	0.0	-1200.0
4569.	Fpche7+pchqjF=pche7ojF+pchojF	1.90E+12	0.0	-1200.0
4570.	Apche2+pchqjG=pche2ojA+pchojG	1.90E+12	0.0	-1200.0
4571.	Apche2+pchqjG=pche1ojC+pchojG	1.90E+12	0.0	-1200.0
4572.	Dpche2+pchqjG=pche2ojD+pchojG	1.90E+12	0.0	-1200.0
4573.	Dpche2+pchqjG=pche3ojB+pchojG	1.90E+12	0.0	-1200.0
4574.	Cpche4+pchqjG=pche4ojC+pchojG	1.90E+12	0.0	-1200.0
4575.	Cpche4+pchqjG=pche3ojE+pchojG	1.90E+12	0.0	-1200.0

4576.	Dpche5+pchqjG=pche5ojD+pchojG	1.90E+12	0.0	-1200.0
4577.	Dpche5+pchqjG=pche4ojF+pchojG	1.90E+12	0.0	-1200.0
4578.	Epche6+pchqjG=pche6ojE+pchojG	1.90E+12	0.0	-1200.0
4579.	Epche6+pchqjG=pche5ojG+pchojG	1.90E+12	0.0	-1200.0
4580.	Fpche7+pchqjG=pche7ojF+pchojG	1.90E+12	0.0	-1200.0
4581.	Apche2+o2=pche1e3+ho2	1.20E+12	0.0	38344.0
4582.	Dpche2+o2=pche1e3+ho2	1.20E+12	0.0	38344.0
4583.	Dpche2+o2=pche2e4+ho2	1.20E+12	0.0	38344.0
4584.	Cpche4+o2=pche2e4+ho2	1.20E+12	0.0	38344.0
4585.	Cpche4+o2=pche3e5+ho2	1.20E+12	0.0	38344.0
4586.	Dpche5+o2=pche3e5+ho2	1.20E+12	0.0	38344.0
4587.	Dpche5+o2=pche4e6+ho2	1.20E+12	0.0	38344.0
4588.	Epche6+o2=pche4e6+ho2	1.20E+12	0.0	38344.0
4589.	Epche6+o2=pche5e7+ho2	1.20E+12	0.0	38344.0
4590.	Fpche7+o2=pche5e7+ho2	1.20E+12	0.0	38344.0
4591.	Apche2=>2c2h4+c5h7	2.00E+13	0.0	31230.0
4592.	Dpche2=>2c2h4+c5h7	2.00E+13	0.0	37620.0
4593.	Cpche4=>2c2h4+c5h7	2.00E+13	0.0	40410.0
4594.	Cpche4=ch3+eche1e3	2.00E+13	0.0	32800.0
4595.	Dpche5=c2h5+mche13	2.00E+13	0.0	31700.0
4596.	Dpche5=>2c2h4+c5h7	2.00E+13	0.0	38880.0
4597.	Epche6=>2c2h4+c5h7	2.00E+13	0.0	36210.0
4598.	Epche6=chd13+nc3h7	2.00E+13	0.0	34000.0
4599.	Fpche7=>2c2h4+c5h7	2.00E+13	0.0	36800.0
4600.	Apche2=pche1e3+h	6.00E+12	0.0	41000.0
4601.	Dpche2=pche1e3+h	1.80E+13	0.0	46000.0
4602.	Dpche2=pche2e4+h	1.20E+13	0.0	43000.0
4603.	Cpche4=pche2e4+h	1.20E+13	0.0	41000.0
4604.	Cpche4=pche3e5+h	1.20E+13	0.0	56000.0
4605.	Dpche5=pche3e5+h	1.20E+13	0.0	57000.0
4606.	Dpche5=pche4e6+h	1.20E+13	0.0	45000.0
4607.	Epche6=pche4e6+h	6.00E+12	0.0	43000.0
4608.	Epche6=pche5e7+h	1.20E+13	0.0	46000.0
4609.	Fpche7=pche5e7+h	1.20E+13	0.0	46000.0
4610.	pche2ojA=ch2o+Aeche1	7.94E+14	0.0	19000.0
4611.	pche1ojC=c2h3+mchoA	7.94E+14	0.0	19000.0
4612.	pche1ojC=acrol+cyc6h11	7.94E+14	0.0	19000.0
4613.	pche2ojD=sc3h5+chxone	7.94E+14	0.0	19000.0
4614.	pche2ojD=>sc3h5+2c2h4+ch2co	7.94E+14	0.0	19000.0
4615.	pche3ojB=ch3hco+Amche1	7.94E+14	0.0	19000.0
4616.	pche3ojB=ch3+eche2oA	7.94E+14	0.0	19000.0
4617.	pche4ojC=ethco+cyc6h9	7.94E+14	0.0	19000.0
4618.	pche4ojC=c2h5+mche2oA	7.94E+14	0.0	19000.0
4619.	pche3ojE=>2c2h4+c2h5+propynal	7.94E+14	0.0	19000.0
4620.	pche5ojD=nc3h7+chxe2oA	7.94E+14	0.0	19000.0
4621.	pche4ojF=>nc3h7+c2h4+c3h3hco	7.94E+14	0.0	19000.0
4622.	pche6ojE=>c5h10+c3h4hco	7.94E+14	0.0	19000.0
4623.	pche5ojG=>c2h4+c2h5+vinacrol	7.94E+14	0.0	19000.0
4624.	pche7ojF=>c5h10+c3h4hco	7.94E+14	0.0	19000.0
4625.	pchoAojB+oh=pchoAqB	1.81E+13	0.0	0.0
4626.	pchoAojC+oh=pchoAqC	1.81E+13	0.0	0.0
4627.	pchoAojD+oh=pchoAqD	1.81E+13	0.0	0.0
4628.	pchoBojA+oh=pchoBqA	1.81E+13	0.0	0.0
4629.	pchoBojC+oh=pchoBqC	1.81E+13	0.0	0.0
4630.	pchoBojD+oh=pchoBqD	1.81E+13	0.0	0.0
4631.	pchoBojE+oh=pchoBqE	1.81E+13	0.0	0.0
4632.	pchoCojA+oh=pchoCqA	1.81E+13	0.0	0.0
4633.	pchoCojB+oh=pchoCqB	1.81E+13	0.0	0.0
4634.	pchoCojD+oh=pchoCqD	1.81E+13	0.0	0.0
4635.	pchoCojE+oh=pchoCqE	1.81E+13	0.0	0.0
4636.	pchoCojF+oh=pchoCqF	1.81E+13	0.0	0.0

4637.	pchoEojA+oh=pchoEqA	1.81E+13	0.0	0.0
4638.	pchoEojB+oh=pchoEqB	1.81E+13	0.0	0.0
4639.	pchoEojC+oh=pchoEqC	1.81E+13	0.0	0.0
4640.	pchoEojD+oh=pchoEqD	1.81E+13	0.0	0.0
4641.	pchoEojF+oh=pchoEqF	1.81E+13	0.0	0.0
4642.	pchoEojI+oh=pchoEqI	1.81E+13	0.0	0.0
4643.	pchoEojG+oh=pchoEqG	1.81E+13	0.0	0.0
4644.	pchoEojH+oh=pchoEqH	1.81E+13	0.0	0.0
4645.	pchoFojA+oh=pchoFqA	1.81E+13	0.0	0.0
4646.	pchoFojB+oh=pchoFqB	1.81E+13	0.0	0.0
4647.	pchoFojC+oh=pchoFqC	1.81E+13	0.0	0.0
4648.	pchoFojD+oh=pchoFqD	1.81E+13	0.0	0.0
4649.	pchoFojI+oh=pchoFqI	1.81E+13	0.0	0.0
4650.	pchoFojH+oh=pchoFqH	1.81E+13	0.0	0.0
4651.	pchoFojE+oh=pchoFqE	1.81E+13	0.0	0.0
4652.	pchoFojG+oh=pchoFqG	1.81E+13	0.0	0.0
4653.	pchoGojD+oh=pchoGqD	1.81E+13	0.0	0.0
4654.	pchoGojE+oh=pchoGqE	1.81E+13	0.0	0.0
4655.	pchoGojF+oh=pchoGqF	1.81E+13	0.0	0.0
4656.	hco+echoA=pchoAojB	1.32E+04	2.5	6130.0
4657.	ch2hco+mchoA=pchoAojC	1.00E+11	0.0	3496.0
4658.	hcoch2hco+cyc6h11=pchoAojC	2.00E+11	0.0	3496.0
4659.	chxone+ch2ch2hco=pchoAojD	5.00E+10	0.0	3457.0
4660.	ch2o+echoyA=pchoBojA	3.39E+08	0.0	2490.0
4661.	ch3co+mchoA=pchoBojC	1.32E+04	2.5	6130.0
4662.	chxone+ch2coch3=pchoBojD	5.00E+10	0.0	3457.0
4663.	pchoBojE=>Mec8oor	2.00E+13	0.0	8405.0
4664.	Fc9oAoH=pchoBojE	1.00E+08	0.9	5900.0
4665.	ch3co+c7e6oA=Fc9oAoH	2.00E+11	0.0	2010.0
4666.	c5e4oB+c3h6cho-1=Fc9oAoH	1.32E+04	2.5	6130.0
4667.	MeEc8eloIqG+oh=GpchqBqE	4.76E+07	1.5	34700.0
4668.	MeEc8eloIoJG+oh=MeEc8eloIqG	1.81E+13	0.0	0.0
4669.	ch3hco+MeEc6eloGrF=MeEc8eloIoJG	5.00E+10	0.0	3457.0
4670.	acrol+Dc4h7-1=MeEc6eloGrF	1.32E+04	2.5	6130.0
4671.	Ac7oBoG=ch2co+c2h4+ch2ch2hco	2.00E+13	0.0	34130.0
4672.	Ac7oBoG+o2=c7oBoGqjA	4.82E+36	-8.2	5167.0
4673.	c7oBoGqjA=Cc7oBoGqA	5.75E+08	1.0	22000.0
4674.	c7oBoGqjA=Dc7oBoGqA	9.89E+07	1.0	22000.0
4675.	Cc7oBoGqA+o2=c7oBoGqAqjC	1.84E+45	-11.1	6538.0
4676.	Dc7oBoGqA+o2=c7oBoGqAqjD	1.84E+45	-11.1	6538.0
4677.	c7oBoGqAqjC=oh+c7oAoBoGqC	5.75E+08	1.0	23000.0
4678.	c7oBoGqAqjD=oh+c7oAoBoGqD	9.89E+07	1.0	20000.0
4679.	c7oAoBoGqC=oh+choco+c5oAoE	1.00E+16	0.0	43000.0
4680.	c7oAoBoGqD=oh+ch2co+hco+choch2ch2cho	1.00E+16	0.0	43000.0
4681.	Fc9elqEqH=HpchqBqE	1.00E+08	0.9	5900.0
4682.	ho2+c9ele5qH=Fc9elqEqH	1.00E+11	0.0	7600.0
4683.	Fc9elqEqH=oh+ch3hco+c7ele6qC	5.00E+13	0.0	25500.0
4684.	c9ele5ojH+oh=c9ele5qH	1.81E+13	0.0	0.0
4685.	ch3hco+Cc7h11-16=c9ele5ojH	5.00E+10	0.0	3457.0
4686.	ac3h5+c4h6=Cc7h11-16	8.80E+03	2.5	6130.0
4687.	c7ele6ojC+oh=c7ele6qC	1.81E+13	0.0	0.0
4688.	Dc4h7-1+acrol=c7ele6ojC	5.00E+10	0.0	3457.0
4689.	c9e5oAqH+oh=IpchqBqE	4.76E+07	1.5	34700.0
4690.	c9e5oAojH+oh=c9e5oAqH	1.81E+13	0.0	0.0
4691.	ch3hco+Ec7e6oA=c9e5oAojH	5.00E+10	0.0	3457.0
4692.	c4h6+ch2ch2hco=Ec7e6oA	1.32E+04	2.5	6130.0
4693.	pche4qB+ho2=DpchqBqE	8.00E+10	0.0	6000.0
4694.	pche4ojB+oh=pche4qB	1.81E+13	0.0	0.0
4695.	ch3hco+Cmchel=pche4ojB	5.00E+10	0.0	3457.0
4696.	DpchqBqE=oh+mchelqC+ch3hco	5.00E+13	0.0	25500.0
4697.	mchelojC+oh=mchelqC	1.81E+13	0.0	0.0

4698.	c2h4+ch2ccho=MeBc4eloErD	2.00E+11	0.0	2010.0
4699.	ac3h4+c3h6cho-1=mchelojC	2.00E+11	0.0	11300.0
4700.	c2h4+MeBc4eloErD=mchelojC	1.32E+04	2.5	6130.0
4701.	ch2ccho+o2=ch2co+oh+co	2.51E+10	0.0	0.0
4702.	ch2ccho=c2h3co	2.50E+12	0.0	47000.0
4703.	ch2ccho+o2=ch2o+choco	5.01E+12	0.0	19000.0
4704.	ch2ccho+o=ch2co+hco	1.81E+14	0.0	0.0
4705.	ch2ccho+ho2=oh+ch2co+hco	2.00E+13	0.0	0.0
4706.	acrol+oh=ch2ccho+h2o	1.11E+06	2.0	1450.0
4707.	acrol+ho2=ch2ccho+h2o2	3.00E+09	0.0	9930.0
4708.	pche5qB+ho2=FpchqBqE	8.00E+10	0.0	6000.0
4709.	pche5ojB+oh=pche5qB	1.81E+13	0.0	0.0
4710.	ch3hco+Amche3=pche5ojB	5.00E+10	0.0	3457.0
4711.	Gc7ele3=Amche3	1.00E+08	0.9	5900.0
4712.	c2h4+c5h7=Gc7ele3	8.80E+03	2.5	6130.0
4713.	Fc9elqAqH=FpchqBqE	1.00E+08	0.9	5900.0
4714.	Fc9elqAqH=oh+c7ele6qA+ch3hco	5.00E+13	0.0	25500.0
4715.	Bc7e6oA+oh=c7ele6qA	1.81E+13	0.0	0.0
4716.	Dc4h7-1+acrol=Bc7e6oA	1.32E+04	2.5	6130.0
4717.	ch2o+AechoB=pchoCojA	5.00E+10	0.0	3457.0
4718.	ch3hco+chxco=pchoCojB	1.32E+04	2.5	6130.0
4719.	chxone+c2h5co=pchoCojD	1.32E+04	2.5	6130.0
4720.	Fc9oAoG=pchoCojE	1.00E+08	0.9	5900.0
4721.	c3h6cho-1+c2h5coc2h3=Fc9oAoG	1.32E+04	2.5	6130.0
4722.	pchoCojE=>Mec8oor	2.00E+13	0.0	7154.0
4723.	c2h5+c7eloAoG=Fc9oAoG	1.32E+04	2.5	6130.0
4724.	c7eloAoG+oh=c7eloAoyG+h2o	4.20E+12	0.0	500.0
4725.	c7eloAoG+h=c7eloAoyG+h2	4.00E+13	0.0	4200.0
4726.	c7eloAoG+ho2=c7eloAoyG+h2o2	1.00E+12	0.0	10000.0
4727.	c7eloAoyG=co+Fc6eloA	2.00E+13	0.0	28700.0
4728.	c7eloAoyG+ho2=oh+co2+Fc6eloA	2.00E+13	0.0	0.0
4729.	c2h4+Dc4eloA=Fc6eloA	1.32E+04	2.5	6130.0
4730.	c2h4+hcco=Dc4eloA	1.32E+04	2.5	6130.0
4731.	pchoCojF=>Mec8oor	2.00E+13	0.0	7511.0
4732.	oh+MeEc8eloIqF=GpchqCqE	4.76E+07	1.5	34700.0
4733.	oh+MeEc8eloIoJF=MeEc8eloIqF	1.81E+13	0.0	0.0
4734.	ethco+Bc6e5oA=MeEc8eloIoJF	1.00E+11	0.0	11900.0
4735.	acrol+ac3h5=Bc6e5oA	8.50E+10	0.0	11300.0
4736.	IpchqCqE=oh+chxelqC+ethco	5.00E+13	0.0	25500.0
4737.	oh+chxelojC=chxelqC	1.81E+13	0.0	0.0
4738.	Fc6e2oA=chxelojC	1.00E+08	0.9	5900.0
4739.	Fc6e5oA=chxelojC	1.00E+08	0.9	5900.0
4740.	c2h4+c3h4hco=Fc6e2oA	8.80E+03	2.5	6130.0
4741.	c3h4hco+ho2=oh+acrol+hco	1.00E+13	0.0	0.0
4742.	c3h4hco+ho2=oh+ch2o+chchhco	1.00E+13	0.0	0.0
4743.	c3h4hco+o2=ch2hco+chocho	1.23E+36	-7.2	33600.0
4744.	chchhco=c2h3co	1.40E+09	1.0	32100.0
4745.	c2h2+hco=chchhco	7.77E+06	1.4	7755.0
4746.	chchhco+o2=chocho+hco	5.42E+12	0.0	0.0
4747.	oh+c9e5oAqG=IpchqCqE	4.76E+07	1.5	34700.0
4748.	oh+c9e5oAojG=c9e5oAqG	1.81E+13	0.0	0.0
4749.	ethco+Fc6e5oA=c9e5oAojG	3.39E+08	0.0	2490.0
4750.	c2h5+c7e2oAoG=c9e5oAojG	5.00E+10	0.0	3457.0
4751.	c7e2oAoG+oh=c7e2oAoyG+h2o	4.20E+12	0.0	500.0
4752.	c7e2oAoG+h=c7e2oAoyG+h2	4.00E+13	0.0	4200.0
4753.	c7e2oAoG+ho2=c7e2oAoyG+h2o2	1.00E+12	0.0	10000.0
4754.	c7e2oAoyG=co+Fc6e2oA	2.00E+13	0.0	28700.0
4755.	c7e2oAoyG+ho2=>oh+co2+Fc6e2oA	2.00E+13	0.0	0.0
4756.	c7e2oAoG+oh=c7e2oyAoG+h2o	4.20E+12	0.0	500.0
4757.	c7e2oAoG+h=c7e2oyAoG+h2	4.00E+13	0.0	4200.0
4758.	c7e2oAoG+ho2=c7e2oyAoG+h2o2	1.00E+12	0.0	10000.0



4759.	c7e2oyAoG=co+Fc6e5oA	3.04E+14	-0.5	30510.0
4760.	c7e2oyAoG+ho2=>oh+co2+Fc6e5oA	2.00E+13	0.0	0.0
4761.	Fc9elqEqG=HpchqCqE	1.00E+08	0.9	5900.0
4762.	ho2+c9ele6qE=Fc9elqEqG	8.00E+10	0.0	6000.0
4763.	ho2+c9ele5qG=Fc9elqEqG	8.00E+10	0.0	6000.0
4764.	oh+c9ele6ojE=c9ele6qE	1.81E+13	0.0	0.0
4765.	oh+c9ele5ojG=c9ele5qG	1.81E+13	0.0	0.0
4766.	c2h5+c7e2e6oA=c9ele5ojG	5.00E+10	0.0	3457.0
4767.	ethco+Ac6h9-15=c9ele5ojG	1.00E+10	0.0	20000.0
4768.	Dc4h7-1+c5e2oA=c9ele6ojE	5.00E+10	0.0	3457.0
4769.	Ac4h7-1+c4h7hco-1=c9ele6ojE	1.00E+10	0.0	20000.0
4770.	EtDc7elqEqHrI=HpchqCqE	1.00E+08	0.9	5900.0
4771.	EtDc7ele8qE+ho2=EtDc7elqEqHrI	8.00E+10	0.0	6000.0
4772.	EtDc7ele8ojE+oh=EtDc7ele8qE	1.81E+13	0.0	0.0
4773.	ethco+c6h9=EtDc7ele8ojE	5.00E+10	0.0	9600.0
4774.	c7e2e6oA+oh=c7e2e6oyA+h2o	4.20E+12	0.0	500.0
4775.	c7e2e6oA+h=c7e2e6oyA+h2	4.00E+13	0.0	4200.0
4776.	c7e2e6oA+ho2=c7e2e6oyA+h2o2	1.00E+12	0.0	10000.0
4777.	c7e2e6oyA=co+Ac6h9-15	3.04E+14	-0.5	30510.0
4778.	c5e2oA+oh=c5e2oyA+h2o	4.20E+12	0.0	500.0
4779.	c5e2oA+h=c5e2oyA+h2	4.00E+13	0.0	4200.0
4780.	c5e2oA+ho2=c5e2oyA+h2o2	1.00E+12	0.0	10000.0
4781.	c5e2oyA=co+Ac4h7-1	3.04E+14	-0.5	30510.0
4782.	ho2+pche3qF=DpchqCqF	8.00E+10	0.0	6000.0
4783.	oh+pche3ojF=pche3qF	1.81E+13	0.0	0.0
4784.	MeEc8e5oArI=pche3ojF	1.00E+08	0.9	5900.0
4785.	ch3+MeEc7e6e8oA=MeEc8e5oArI	1.32E+04	2.5	6130.0
4786.	EtDc7e4oIrA=pche3ojF	1.00E+08	0.9	5900.0
4787.	c2h4+MeCc6e3oArG=EtDc7e4oIrA	8.50E+10	0.0	11300.0
4788.	ch3+MeCc5e4e5oA=MeCc6e3oArG	1.32E+04	2.5	6130.0
4789.	oh+MeEc8e8oAqF=DpchqCqF	4.76E+07	1.5	34700.0
4790.	oh+MeEc8e8oAojF=MeEc8e8oAqF	1.81E+13	0.0	0.0
4791.	ethco+Ec6e5oA=MeEc8e8oAojF	3.39E+08	0.0	2490.0
4792.	c2h5+MeBc6e7oAoF=MeEc8e8oAojF	5.00E+10	0.0	3457.0
4793.	ac3h4+ch2ch2hco=Ec6e5oA	2.00E+11	0.0	11300.0
4794.	MeEc7e6e8oA+oh=h2o+MeEc7e6e8oyA	4.20E+12	0.0	500.0
4795.	MeEc7e6e8oA+h=h2+MeEc7e6e8oyA	4.00E+13	0.0	4200.0
4796.	MeEc7e6e8oA+ho2=h2o2+MeEc7e6e8oyA	1.00E+12	0.0	10000.0
4797.	MeEc7e6e8oyA=co+MeCc6ele7rF	2.00E+13	0.0	28700.0
4798.	c2h4+isopy=MeCc6ele7rF	8.50E+10	0.0	11300.0
4799.	MeCc5e4e5oA+oh=h2o+MeCc5e4e5oyA	4.20E+12	0.0	500.0
4800.	MeCc5e4e5oA+h=h2+MeCc5e4e5oyA	4.00E+13	0.0	4200.0
4801.	MeCc5e4e5oA+ho2=h2o2+MeCc5e4e5oyA	1.00E+12	0.0	10000.0
4802.	MeCc5e4e5oyA=co+isopy	2.00E+13	0.0	28700.0
4803.	MeBc6e7oAoF+oh=h2o+MeBc6e7oyAoF	4.20E+12	0.0	500.0
4804.	MeBc6e7oAoF+h=h2+MeBc6e7oyAoF	4.00E+13	0.0	4200.0
4805.	MeBc6e7oAoF+ho2=h2o2+MeBc6e7oyAoF	1.00E+12	0.0	10000.0
4806.	MeBc6e7oyAoF=co+Ec6e5oA	3.04E+14	-0.5	30510.0
4807.	MeBc6e7oAoF+oh=h2o+MeBc6e7oAoyF	4.20E+12	0.0	500.0
4808.	MeBc6e7oAoF+h=h2+MeBc6e7oAoyF	4.00E+13	0.0	4200.0
4809.	MeBc6e7oAoF+ho2=h2o2+MeBc6e7oAoyF	1.00E+12	0.0	10000.0
4810.	MeBc6e7oAoyF=co+MeBc5e6oArE	2.00E+13	0.0	28700.0
4811.	c2h4+ic3h4hco=MeBc5e6oArE	8.50E+10	0.0	11300.0
4812.	ac3h4+hco=ic3h4hco	1.76E+04	2.5	6130.0
4813.	oh+EtDc7e1oIqE=HpchqCqF	4.76E+07	1.5	34700.0
4814.	oh+EtDc7e1oIoje=EtDc7e1oIqE	1.81E+13	0.0	0.0
4815.	ethco+Cc6e5oA=EtDc7e1oIoje	1.00E+11	0.0	11900.0
4816.	c2h5+MeCc6e5oAoG=EtDc7e1oIoje	3.33E+10	0.0	6397.0
4817.	c2h3+ac3h5hco=Cc6e5oA	2.00E+11	0.0	2010.0
4818.	hco+c5h8-14=Cc6e5oA	1.32E+04	2.5	6130.0
4819.	MeCc6e5oAoG+oh=h2o+MeCc6e5oyAoG	4.20E+12	0.0	500.0

4820.	MeCc6e5oAoG+h=h2+MeCc6e5oyAoG	4.00E+13	0.0	4200.0
4821.	MeCc6e5oAoG+ho2=h2o2+MeCc6e5oyAoG	1.00E+12	0.0	10000.0
4822.	MeCc6e5oyAoG=co+MeBc5e4oArF	2.00E+13	0.0	28700.0
4823.	acrol+ac3h5=MeBc5e4oArF	1.00E+11	0.0	11900.0
4824.	MeCc6e5oAoG+oh=h2o+MeCc6e5oAoyG	4.20E+12	0.0	500.0
4825.	MeCc6e5oAoG+h=h2+MeCc6e5oAoyG	4.00E+13	0.0	4200.0
4826.	MeCc6e5oAoG+ho2=h2o2+MeCc6e5oAoyG	1.00E+12	0.0	10000.0
4827.	MeCc6e5oAoyG=co+Cc6e5oA	2.00E+13	0.0	28700.0
4828.	ch2o+AechoD=pchoEojA	5.00E+10	0.0	3457.0
4829.	ch3hco+AmchoC=pchoEojB	3.33E+10	0.0	6397.0
4830.	ethco+Bchxone=pchoEojC	5.00E+10	0.0	9043.0
4831.	c2h5+mchoAoC=pchoEojC	3.33E+10	0.0	6397.0
4832.	c2h4+Bchxone=AechoD	1.32E+04	2.5	6130.0
4833.	c9oyAoF=pchoEojD	1.00E+08	0.9	5900.0
4834.	MeEc8oAoyI=pchoEojF	1.00E+08	0.9	5900.0
4835.	EtDc7oAoHrI=pchoEojG	1.00E+08	0.9	5900.0
4836.	ch2co+Dc7oA=EtDc7oAoHrI	1.76E+04	2.5	6130.0
4837.	c5h10+ch2hco=Dc7oA	8.80E+03	2.5	6130.0
4838.	c2h5+c4h7hco-1=Dc7oA	8.80E+03	2.5	6130.0
4839.	EtDc7oAoCrI=pchoEojG	1.00E+08	0.9	5900.0
4840.	c2h4+Dc7oAoC=EtDc7oAoCrI	1.32E+04	2.5	6130.0
4841.	c2h5+c5e4oAoC=Dc7oAoC	8.80E+03	2.5	6130.0
4842.	c3h7chco+ch2hco=Dc7oAoC	1.76E+04	2.5	6130.0
4843.	c5e4oAoC+oh=h2o+c5e4oyAoC	4.20E+12	0.0	500.0
4844.	c5e4oAoC+h=h2+c5e4oyAoC	4.00E+13	0.0	4200.0
4845.	c5e4oAoC+ho2=h2o2+c5e4oyAoC	1.00E+12	0.0	10000.0
4846.	c5e4oyAoC=co+ch2coc2h3	2.00E+13	0.0	28700.0
4847.	c5e4oyAoC+ho2=>ch2coc2h3+co2+oh	2.00E+13	0.0	0.0
4848.	pchoEojH=>Mec8oor	2.00E+13	0.0	7511.0
4849.	EtDc7oCoIrA=pchoEojH	1.00E+08	0.9	5900.0
4850.	c2h4+c6alCco=EtDc7oCoIrA	2.11E+11	0.0	7350.0
4851.	c6alCco=Cc6oA+co	2.00E+13	0.0	28700.0
4852.	c6alCco+ho2=>Cc6oA+co2+oh	2.00E+13	0.0	0.0
4853.	Fc9oAoE=pchoEojI	1.00E+08	0.9	5900.0
4854.	pchoEojI=>Mec8oor	2.00E+13	0.0	7810.0
4855.	c2h5+c7e6oAoE=Fc9oAoE	1.50E+11	0.0	7200.0
4856.	c7e6oAoE+oh=c7e6oyAoE+h2o	4.20E+12	0.0	500.0
4857.	c7e6oAoE+h=c7e6oyAoE+h2	4.00E+13	0.0	4200.0
4858.	c7e6oAoE+ho2=c7e6oyAoE+h2o2	1.00E+12	0.0	10000.0
4859.	c7e6oyAoE=Fc6eloC+co	2.00E+13	0.0	28700.0
4860.	c7e6oyAoE+ho2=>Fc6eloC+co2+oh	2.00E+13	0.0	0.0
4861.	c2h4+ch2coc2h3=Fc6eloC	2.64E+04	2.5	6130.0
4862.	c3h6+AchxqBqD=BpchqEqG	8.80E+03	2.5	6130.0
4863.	ho2+chxelqD=AchxqBqD	8.00E+10	0.0	6000.0
4864.	chxelqD+oh=chxelqD	1.81E+13	0.0	0.0
4865.	c4h6+ch2hco=chxelqD	1.32E+04	2.5	6130.0
4866.	c2h4+ac3h4hcol=chxelqD	2.00E+11	0.0	2010.0
4867.	c2h2+ch2hco=ac3h4hcol	7.77E+06	1.4	7755.0
4868.	oh+c9e6oAqC=CpchqEqG	4.76E+07	1.5	34700.0
4869.	oh+c9e6oAojC=c9e6oAqC	1.81E+13	0.0	0.0
4870.	hcoch2hco+Ac6h11-3=c9e6oAojC	3.33E+10	0.0	6397.0
4871.	ch2hco+c7e4oA=c9e6oAojC	3.33E+10	0.0	6397.0
4872.	c7e4oA+oh=c7e4oyA+h2o	4.20E+12	0.0	500.0
4873.	c7e4oA+h=c7e4oyA+h2	4.00E+13	0.0	4200.0
4874.	c7e4oA+ho2=c7e4oyA+h2o2	1.00E+12	0.0	10000.0
4875.	c7e4oyA=Ac6h11-3+co	2.80E+13	0.0	28700.0
4876.	c7e4oyA+ho2=>Ac6h11-3+co2+oh	2.00E+13	0.0	0.0
4877.	oh+EtDc7e9oAqC=IpchqEqG	4.76E+07	1.5	34700.0
4878.	oh+c9e5oAqC=IpchqEqG	4.76E+07	1.5	34700.0
4879.	oh+EtDc7e9oAojC=EtDc7e9oAqC	1.81E+13	0.0	0.0
4880.	oh+c9e5oAojC=c9e5oAqC	1.81E+13	0.0	0.0

4881.	hcoch2hco+Cc6h11-1=EtDc7e9oAojC	6.66E+10	0.0	6397.0
4882.	ch2hco+MeCc6eloG=EtDc7e9oAojC	3.33E+10	0.0	6397.0
4883.	hcoch2hco+Cc6h11-1=c9e5oAojC	6.66E+10	0.0	6397.0
4884.	ch2hco+c7e3oA=c9e5oAojC	3.33E+10	0.0	6397.0
4885.	MeCc6eloG+oh=h2o+MeCc6eloyG	4.20E+12	0.0	500.0
4886.	MeCc6eloG+h=h2+MeCc6eloyG	4.00E+13	0.0	4200.0
4887.	MeCc6eloG+ho2=h2o2+MeCc6eloyG	1.00E+12	0.0	10000.0
4888.	MeCc6eloyG=co+Cc6h11-1	2.00E+13	0.0	28700.0
4889.	c7e3oA+oh=h2o+c7e3oyA	4.20E+12	0.0	500.0
4890.	c7e3oA+h=h2+c7e3oyA	4.00E+13	0.0	4200.0
4891.	c7e3oA+ho2=h2o2+c7e3oyA	1.00E+12	0.0	10000.0
4892.	c7e3oyA=co+Cc6h11-1	2.00E+13	0.0	28700.0
4893.	c3h6+BchxqAqD=BpchqEqH	8.80E+03	2.5	6130.0
4894.	chxelqD+ho2=BchxqAqD	8.00E+10	0.0	6000.0
4895.	oh+c9e6oAqD=CpchqEqH	4.76E+07	1.5	34700.0
4896.	oh+c9e6oAojD=c9e6oAqD	1.81E+13	0.0	0.0
4897.	choch2ch2cho+Cc5h9-1=c9e6oAojD	5.00E+10	0.0	9600.0
4898.	ch2ch2hco+c6e3oA=c9e6oAojD	3.33E+10	0.0	6397.0
4899.	ho2+pche4qH=DpchqEqH	8.00E+10	0.0	6000.0
4900.	oh+pche4ojH=pche4qH	1.81E+13	0.0	0.0
4901.	MeEc8e9oArD=pche4ojH	1.00E+08	0.9	5900.0
4902.	ch2hco+p2c4h513=MeEc8e9oArD	1.32E+04	2.5	6130.0
4903.	ho2+pche5qH=FpchqEqH	8.00E+10	0.0	6000.0
4904.	ho2+pche6qI=GpchqEqH	8.00E+10	0.0	6000.0
4905.	oh+pche6ojI=pche6qI	1.81E+13	0.0	0.0
4906.	c4h6+Bc5oA=pche6ojI	2.64E+04	2.5	6130.0
4907.	ho2+pche5qI=IpchqEqH	8.00E+10	0.0	6000.0
4908.	oh+pche5ojI=pche5qI	1.81E+13	0.0	0.0
4909.	Fc9e4oA=pche5ojI	1.00E+08	0.9	5900.0
4910.	ch2ch2hco+c6h10-13=Fc9e4oA	1.32E+04	2.5	6130.0
4911.	c7e4e6oA+c2h5=Fc9e4oA	1.32E+04	2.5	6130.0
4912.	c7e4e6oA+oh=h2o+c7e4e6oyA	4.20E+12	0.0	500.0
4913.	c7e4e6oA+h=h2+c7e4e6oyA	4.00E+13	0.0	4200.0
4914.	c7e4e6oA+ho2=h2o2+c7e4e6oyA	1.00E+12	0.0	10000.0
4915.	c7e4e6oyA=co+Fc6h9-13	2.00E+13	0.0	28700.0
4916.	c3h6+BchxqAqC=BpchqEqI	8.80E+03	2.5	6130.0
4917.	ho2+chxelqC=BchxqAqC	8.00E+10	0.0	6000.0
4918.	oh+c9e6oAqE=CpchqEqI	4.76E+07	1.5	34700.0
4919.	oh+c9e6oAojE=c9e6oAqE	1.81E+13	0.0	0.0
4920.	c3h6cho-1+c5e2oA=c9e6oAojE	3.33E+10	0.0	6397.0
4921.	oh+MeEc8eloIqD=GpchqEqI	4.76E+07	1.5	34700.0
4922.	oh+MeEc8eloIoJD=MeEc8eloIqD	1.81E+13	0.0	0.0
4923.	ac3h5hco+Bc5oA=MeEc8eloIoJD	5.00E+10	0.0	9600.0
4924.	ch2o+AechoE=pchoFoJA	5.00E+10	0.0	3457.0
4925.	Cchxone+c2h4=AechoE	1.32E+04	2.5	6130.0
4926.	ch3hco+AmchoD=pchoFoJB	3.33E+10	0.0	6397.0
4927.	ethco+Cchxone=pchoFoJC	3.33E+10	0.0	6397.0
4928.	c2h5+mchoAoD=pchoFoJC	3.33E+10	0.0	6397.0
4929.	mchoAoD+oh=h2o+mchoyAoD	4.20E+12	0.0	500.0
4930.	mchoAoD+h=h2+mchoyAoD	4.00E+13	0.0	4200.0
4931.	mchoAoD+ho2=h2o2+mchoyAoD	1.00E+12	0.0	10000.0
4932.	mchoyAoD=co+Cchxone	2.00E+13	0.0	28700.0
4933.	mchoyAoD+ho2=>oh+co2+Cchxone	2.00E+13	0.0	0.0
4934.	nc3h7+chxoAoC=pchoFoJD	2.50E+10	0.0	10090.0
4935.	Ac9oDoF=pchoFoJD	1.00E+08	0.9	5900.0
4936.	Ac7oBoD+c2h4=Ac9oDoF	1.32E+04	2.5	6130.0
4937.	ch2co+nc3h7coch2=Ac7oBoD	1.76E+04	2.5	6130.0
4938.	chxoAoC+oh=BchxoAoC+h2o	7.80E+06	2.0	-765.0
4939.	chxoAoC+h=BchxoAoC+h2	2.70E+07	2.0	5000.0
4940.	chxoAoC+ho2=BchxoAoC+h2o2	1.20E+12	0.0	15500.0
4941.	chxoAoC+oh=DchxoAoC+h2o	1.56E+07	2.0	-765.0

4942.	chxoAoC+h=DchxoAoC+h2	5.40E+07	2.0	5000.0
4943.	chxoAoC+ho2=DchxoAoC+h2o2	2.40E+12	0.0	15500.0
4944.	BchxoAoC+o=c6oAoCoyF	2.00E+14	0.0	0.0
4945.	BchxoAoC+ho2=oh+c6oAoCoyF	1.00E+13	0.0	0.0
4946.	BchxoAoC+o2=co2+Ec5oAoB	1.23E+36	-7.2	33600.0
4947.	c6oAoCoyF=co+Ec5oAoB	2.00E+13	0.0	28700.0
4948.	c2h4+ch2cohco=Ec5oAoB	1.32E+04	2.5	6130.0
4949.	Fc6eloCoE=DchxoAoC	1.00E+08	0.9	5900.0
4950.	ch2co+ch2coc2h3=Fc6eloCoE	1.76E+04	2.5	6130.0
4951.	MeEc8oyAoI=pchoFojE	1.00E+08	0.9	5900.0
4952.	EtDc7oAoyI=pchoFojG	1.00E+08	0.9	5900.0
4953.	pchoFojH=>Mec8oor	2.00E+13	0.0	9180.0
4954.	EtDc7oBoIrA=pchoFojH	1.00E+08	0.9	5900.0
4955.	c6e5oAoC+oh=c6e5oyAoC+h2o	2.30E+10	0.7	-1100.0
4956.	c6e5oAoC+h=c6e5oyAoC+h2	4.10E+09	1.2	2405.0
4957.	c6e5oAoC+ho2=c6e5oyAoC+h2o2	3.00E+12	0.0	12000.0
4958.	c6e5oAoC+ch3=c6e5oyAoC+ch4	7.60E+00	3.4	3740.0
4959.	c6e5oAoC+o2=c6e5oyAoC+ho2	3.00E+13	0.0	39200.0
4960.	c6e5oyAoC=Ac5e4oB+co	1.83E+15	-0.7	12910.0
4961.	c6e5oyAoC+ho2=>Ac5e4oB+co2+oh	2.00E+13	0.0	0.0
4962.	MeBc5oAoF+oh=>h2o+MeBc5oyAoF	4.20E+12	0.0	500.0
4963.	MeBc5oAoF+h=>h2+MeBc5oyAoF	4.00E+13	0.0	4200.0
4964.	MeBc5oAoF+ho2=>h2o2+MeBc5oyAoF	1.00E+12	0.0	10000.0
4965.	MeBc5oyAoF=>co+acrol+c2h5	2.00E+13	0.0	28700.0
4966.	MeBc5oyAoF+ho2=>oh+co2+acrol+c2h5	2.00E+13	0.0	0.0
4967.	EtDc7oBoIrA=ch2co+ac3h5hco+nc3h7	2.00E+13	0.0	30400.0
4968.	EtDc7oBoIrA=ch2co+c5h10+ch2hco	2.00E+13	0.0	30400.0
4969.	Fc9oAoD=pchoFojI	1.00E+08	0.9	5900.0
4970.	c5h10+choch2ch2co=Fc9oAoD	1.00E+11	0.0	9800.0
4971.	c2h5+c7e6oAoD=Fc9oAoD	1.50E+11	0.0	7200.0
4972.	c7e6oAoD+oh=c7e6oyAoD+h2o	2.30E+10	0.7	-1100.0
4973.	c7e6oAoD+h=c7e6oyAoD+h2	4.10E+09	1.2	2405.0
4974.	c7e6oAoD+ho2=c7e6oyAoD+h2o2	3.00E+12	0.0	12000.0
4975.	c7e6oAoD+ch3=c7e6oyAoD+ch4	7.60E+00	3.4	3740.0
4976.	c7e6oAoD+o2=c7e6oyAoD+ho2	3.00E+13	0.0	39200.0
4977.	c7e6oyAoD=Ac6e5oC+co	1.83E+15	-0.7	12910.0
4978.	c7e6oyAoD+ho2=>Ac6e5oC+co2+oh	2.00E+13	0.0	0.0
4979.	BpchqDqF=oh+c3h6+chxoAqC	5.00E+13	0.0	25500.0
4980.	c2h4+AmchqBqD=ApchqDqF	1.32E+04	2.5	6130.0
4981.	ho2+mchelqD=AmchqBqD	8.00E+10	0.0	6000.0
4982.	oh+mchelqD=mchelqD	1.81E+13	0.0	0.0
4983.	MeEc6e5oArG=mchelqD	1.00E+08	0.9	5900.0
4984.	MeCc6e7oArF=mchelqD	1.00E+08	0.9	5900.0
4985.	ac3h4+c3h6cho-1=MeEc6e5oArG	1.76E+04	2.5	6130.0
4986.	c2h4+MeCc4e3oArE=MeCc6e7oArF	8.50E+10	0.0	11300.0
4987.	ch2hco+ac3h4=MeCc4e3oArE	1.76E+04	2.5	6130.0
4988.	ho2+pche6qD=GpchqDqF	8.00E+10	0.0	6000.0
4989.	oh+pche6qD=pche6qD	1.81E+13	0.0	0.0
4990.	chxe3oA+nc3h7=pche6qD	2.50E+10	0.0	10090.0
4991.	Ac9e2oF=pche6qD	1.00E+08	0.9	5900.0
4992.	Ac9e3oF=pche6qD	1.00E+08	0.9	5900.0
4993.	c4h6+nc3h7coch2=Ac9e2oF	2.64E+04	2.5	6130.0
4994.	c2h4+Ac7eloD=Ac9e3oF	2.00E+11	0.0	2010.0
4995.	c2h2+nc3h7coch2=Ac7eloD	7.77E+06	1.4	7755.0
4996.	oh+c9eloFqD=HpchqDqF	4.76E+07	1.5	34700.0
4997.	oh+c9eloFqD=c9eloFqD	1.81E+13	0.0	0.0
4998.	ac3h5hco+nc3h7coch2=c9eloFqD	3.33E+10	0.0	6397.0
4999.	ac3h5+c6oAoC=c9eloFqD	5.00E+10	0.0	9600.0
5000.	mchelqDqF+c2h5=DpchqFqH	1.32E+04	2.5	6130.0
5001.	oh+MeEc8e9oAqC=DpchqFqH	4.76E+07	1.5	34700.0
5002.	oh+mchelqDqF=mchelqDqF	1.81E+13	0.0	0.0

5003.	MeEc6e5oAqCrG=mchelqDojF	1.00E+08	0.9	5900.0
5004.	MeCc6e7oAqErF=mchelqDojF	1.00E+08	0.9	5900.0
5005.	ac3h4+Dc4oAqC=MeEc6e5oAqCrG	1.76E+04	2.5	6130.0
5006.	ho2+ac3h5hco=Dc4oAqC	8.00E+10	0.0	6000.0
5007.	ho2+MeCc6e5e7oA=MeCc6e7oAqErF	8.00E+10	0.0	6000.0
5008.	MeCc6e5e7oA+oh=MeCc6e5e7oyA+h2o	4.20E+12	0.0	500.0
5009.	MeCc6e5e7oA+h=MeCc6e5e7oyA+h2	4.00E+13	0.0	4200.0
5010.	MeCc6e5e7oA+ho2=MeCc6e5e7oyA+h2o2	1.00E+12	0.0	10000.0
5011.	MeCc6e5e7oyA=co+MeBc5ele4rF	2.00E+13	0.0	28700.0
5012.	MeCc6e5e7oyA+ho2=oh+co2+MeBc5ele4rF	2.00E+13	0.0	0.0
5013.	ac3h4+ac3h5=MeBc5ele4rF	8.80E+03	2.5	6130.0
5014.	oh+MeEc8e9oAojC=MeEc8e9oAqC	1.81E+13	0.0	0.0
5015.	hcoch2hco+MeBc5elrF=MeEc8e9oAojC	3.33E+10	0.0	6397.0
5016.	ch2hco+MeCc6e7oA=MeEc8e9oAojC	3.33E+10	0.0	6397.0
5017.	MeCc6e7oA+oh=MeCc6e7oyA+h2o	4.20E+12	0.0	500.0
5018.	MeCc6e7oA+h=MeCc6e7oyA+h2	4.00E+13	0.0	4200.0
5019.	MeCc6e7oA+ho2=MeCc6e7oyA+h2o2	1.00E+12	0.0	10000.0
5020.	MeCc6e7oyA=co+MeBc5elrF	2.00E+13	0.0	28700.0
5021.	MeCc6e7oyA+ho2=oh+co2+MeBc5elrF	2.00E+13	0.0	0.0
5022.	Ic9e3qFqH=CpchqFqH	1.00E+08	0.9	5900.0
5023.	ho2+c9ele6qD=Ic9e3qFqH	8.00E+10	0.0	6000.0
5024.	oh+c9ele6ojD=c9ele6qD	1.81E+13	0.0	0.0
5025.	ac3h5+c6e3oA=c9ele6ojD	8.80E+03	2.5	6130.0
5026.	ac3h5hco+Cc5h9-1=c9ele6ojD	8.80E+03	2.5	6130.0
5027.	c6e3oA+oh=c6e3oyA+h2o	4.20E+12	0.0	500.0
5028.	c6e3oA+h=c6e3oyA+h2	4.00E+13	0.0	4200.0
5029.	c6e3oA+ho2=c6e3oyA+h2o2	1.00E+12	0.0	10000.0
5030.	c6e3oyA=co+Cc5h9-1	2.00E+13	0.0	28700.0
5031.	c6e3oyA+ho2=oh+co2+Cc5h9-1	2.00E+13	0.0	0.0
5032.	ho2+pche5qH=EpchqFqH	8.00E+10	0.0	6000.0
5033.	oh+pche5ojH=pche5qH	1.81E+13	0.0	0.0
5034.	EtDc7eloIrc=pche5ojH	1.00E+08	0.9	5900.0
5035.	c7h12-13+ch2hco=EtDc7eloIrc	1.32E+04	2.5	6130.0
5036.	chxoAoD+nc3h7=pchoGojD	8.50E+10	0.0	11900.0
5037.	Ac9oCoF=pchoGojD	1.00E+08	0.9	5900.0
5038.	c7oyAoD+c2h4=Ac9oCoF	2.11E+11	0.0	7350.0
5039.	Fc9oAoC=pchoGojE	1.00E+08	0.9	5900.0
5040.	pchoGojE=>Mec8oor	2.00E+13	0.0	1670.0
5041.	c5h10+ch2coch2hco=Fc9oAoC	1.50E+11	0.0	7200.0
5042.	Fc9oAoC+o2=c9oAoCqjF	1.84E+45	-11.1	6538.0
5043.	c9oAoCqjF=Dc9oAoCqF	5.75E+08	1.0	22500.0
5044.	Dc9oAoCqF+o2=c9oAoCqFqjD	1.84E+45	-11.1	6538.0
5045.	c9oAoCqFqjD=oh+c9oAoCoFqD	2.87E+08	1.0	23000.0
5046.	c9oAoCoFqD=oh+hcoch2co+c6oAoC	1.00E+16	0.0	43000.0
5047.	c6oAoC+oh=>h2o+c6oyAoC	4.20E+12	0.0	500.0
5048.	c6oAoC+h=>h2+c6oyAoC	4.00E+13	0.0	4200.0
5049.	c6oAoC+ho2=>h2o2+c6oyAoC	1.00E+12	0.0	10000.0
5050.	c6oyAoC=>co+nc3h7coch2	2.00E+13	0.0	28700.0
5051.	c6oyAoC+ho2=>oh+co2+nc3h7coch2	2.00E+13	0.0	0.0
5052.	c2h5+acrol=Bc5oA	1.50E+11	0.0	7200.0
5053.	EtDc7oyAoI=pchoGojF	1.00E+08	0.9	5900.0
5054.	Ipc9oAoB=pchoGojF	1.00E+08	0.9	5900.0
5055.	c5h10+c2h4cohco=Ipc9oAoB	1.50E+11	0.0	7200.0
5056.	c2h4+choco=c2h4cohco	2.11E+11	0.0	7350.0
5057.	nc3h7+c6e5oAoB=Ipc9oAoB	1.50E+11	0.0	7200.0
5058.	pche4e6+oh=h2o+Ipche4e6	2.25E+13	0.0	2217.0
5059.	pche4e6+oh=h2o+Dpche5e7	2.25E+13	0.0	2217.0
5060.	pche5e7+oh=h2o+Ipche5e7	2.25E+13	0.0	2217.0
5061.	pche5e7+oh=h2o+Dpche5e7	2.25E+13	0.0	2217.0
5062.	pche4e6+h=h2+Ipche4e6	5.00E+13	0.0	3900.0
5063.	pche4e6+h=h2+Dpche5e7	5.00E+13	0.0	3900.0

5064.	pche5e7+h=h2+Ipche5e7	5.00E+13	0.0	3900.0
5065.	pche5e7+h=h2+Dpche5e7	5.00E+13	0.0	3900.0
5066.	pche4e6+ho2=h2o2+Ipche4e6	3.20E+12	0.0	14900.0
5067.	pche4e6+ho2=h2o2+Dpche5e7	3.20E+12	0.0	14900.0
5068.	pche5e7+ho2=h2o2+Ipche5e7	3.20E+12	0.0	14900.0
5069.	pche5e7+ho2=h2o2+Dpche5e7	3.20E+12	0.0	14900.0
5070.	pche4e6+o2=ho2+Ipche4e6	4.00E+12	0.0	40000.0
5071.	pche4e6+o2=ho2+Dpche5e7	4.00E+12	0.0	40000.0
5072.	pche5e7+o2=ho2+Ipche5e7	4.00E+12	0.0	40000.0
5073.	pche5e7+o2=ho2+Dpche5e7	4.00E+12	0.0	40000.0
5074.	pche4e6+ch3=ch4+Ipche4e6	1.00E+11	0.0	7300.0
5075.	pche4e6+ch3=ch4+Dpche5e7	1.00E+11	0.0	7300.0
5076.	pche5e7+ch3=ch4+Ipche5e7	1.00E+11	0.0	7300.0
5077.	pche5e7+ch3=ch4+Dpche5e7	1.00E+11	0.0	7300.0
5078.	Ipche4e6=pbz+h	1.20E+13	0.0	22800.0
5079.	Dpche5e7=pbz+h	1.20E+13	0.0	20000.0
5080.	Ipche5e7=pbz+h	6.00E+12	0.0	20000.0
5081.	Ipche5e7=c6h6+nc3h7	2.00E+13	0.0	8800.0
5082.	Ipche4e6+h=pbz+h2	3.16E+13	0.0	0.0
5083.	Dpche5e7+h=pbz+h2	3.16E+13	0.0	0.0
5084.	Ipche5e7+h=pbz+h2	3.16E+13	0.0	0.0
5085.	Ipche4e6+o2=pbz+ho2	1.20E+12	0.0	38344.0
5086.	Dpche5e7+o2=pbz+ho2	1.20E+12	0.0	38344.0
5087.	Ipche5e7+o2=pbz+ho2	1.20E+12	0.0	38344.0
5088.	Ipche4e6+o=pbz+oh	4.00E+11	0.0	-2100.0
5089.	Dpche5e7+o=pbz+oh	4.00E+11	0.0	-2100.0
5090.	Ipche5e7+o=pbz+oh	4.00E+11	0.0	-2100.0
5091.	Ipche4e6+oh=pbz+h2o	6.00E+12	0.0	880.0
5092.	Dpche5e7+oh=pbz+h2o	6.00E+12	0.0	880.0
5093.	Ipche5e7+oh=pbz+h2o	6.00E+12	0.0	880.0
5094.	Ipche4e6+ho2=pbz+h2o2	2.66E+11	0.0	11269.0
5095.	Dpche5e7+ho2=pbz+h2o2	2.66E+11	0.0	11269.0
5096.	Ipche5e7+ho2=pbz+h2o2	2.66E+11	0.0	11269.0
5097.	Ipche4e6+ch3=pbz+ch4	8.00E+12	0.0	0.0
5098.	Dpche5e7+ch3=pbz+ch4	8.00E+12	0.0	0.0
5099.	Ipche5e7+ch3=pbz+ch4	8.00E+12	0.0	0.0
5100.	Ipche4e6+c2h5=pbz+c2h6	3.98E+12	0.0	0.0
5101.	Dpche5e7+c2h5=pbz+c2h6	3.98E+12	0.0	0.0
5102.	Ipche5e7+c2h5=pbz+c2h6	3.98E+12	0.0	0.0
5103.	Ipche4e6+nc3h7=pbz+c3h8	3.98E+12	0.0	0.0
5104.	Dpche5e7+nc3h7=pbz+c3h8	3.98E+12	0.0	0.0
5105.	Ipche5e7+nc3h7=pbz+c3h8	3.98E+12	0.0	0.0
5106.	Ipche4e6+ic3h7=pbz+c3h8	3.98E+12	0.0	0.0
5107.	Dpche5e7+ic3h7=pbz+c3h8	3.98E+12	0.0	0.0
5108.	Ipche5e7+ic3h7=pbz+c3h8	3.98E+12	0.0	0.0
5109.	Ipche4e6+c2h3=pbz+c2h4	3.98E+12	0.0	0.0
5110.	Dpche5e7+c2h3=pbz+c2h4	3.98E+12	0.0	0.0
5111.	Ipche5e7+c2h3=pbz+c2h4	3.98E+12	0.0	0.0
5112.	Ipche4e6+ac3h5=pbz+c3h6	3.98E+12	0.0	0.0
5113.	Dpche5e7+ac3h5=pbz+c3h6	3.98E+12	0.0	0.0
5114.	Ipche5e7+ac3h5=pbz+c3h6	3.98E+12	0.0	0.0
5115.	Ipche4e6+pchA=pbz+pch	3.98E+12	0.0	0.0
5116.	Dpche5e7+pchA=pbz+pch	3.98E+12	0.0	0.0
5117.	Ipche5e7+pchA=pbz+pch	3.98E+12	0.0	0.0
5118.	Ipche4e6+pchB=pbz+pch	3.98E+12	0.0	0.0
5119.	Dpche5e7+pchB=pbz+pch	3.98E+12	0.0	0.0
5120.	Ipche5e7+pchB=pbz+pch	3.98E+12	0.0	0.0
5121.	Ipche4e6+pchC=pbz+pch	3.98E+12	0.0	0.0
5122.	Dpche5e7+pchC=pbz+pch	3.98E+12	0.0	0.0
5123.	Ipche5e7+pchC=pbz+pch	3.98E+12	0.0	0.0
5124.	Ipche4e6+pchD=pbz+pch	3.98E+12	0.0	0.0

5125.	Dpche5e7+pchD=pbz+pch	3.98E+12	0.0	0.0
5126.	Ipche5e7+pchD=pbz+pch	3.98E+12	0.0	0.0
5127.	Ipche4e6+pchE=pbz+pch	3.98E+12	0.0	0.0
5128.	Dpche5e7+pchE=pbz+pch	3.98E+12	0.0	0.0
5129.	Ipche5e7+pchE=pbz+pch	3.98E+12	0.0	0.0
5130.	Ipche4e6+pchF=pbz+pch	3.98E+12	0.0	0.0
5131.	Dpche5e7+pchF=pbz+pch	3.98E+12	0.0	0.0
5132.	Ipche5e7+pchF=pbz+pch	3.98E+12	0.0	0.0
5133.	Ipche4e6+pchG=pbz+pch	3.98E+12	0.0	0.0
5134.	Dpche5e7+pchG=pbz+pch	3.98E+12	0.0	0.0
5135.	Ipche5e7+pchG=pbz+pch	3.98E+12	0.0	0.0
5136.	Ipche4e6+ch3o2=pbz+ch3o2h	2.66E+11	0.0	11269.0
5137.	Dpche5e7+ch3o2=pbz+ch3o2h	2.66E+11	0.0	11269.0
5138.	Ipche5e7+ch3o2=pbz+ch3o2h	2.66E+11	0.0	11269.0
5139.	Ipche4e6+c2h5o2=pbz+c2h5o2h	2.66E+11	0.0	11269.0
5140.	Dpche5e7+c2h5o2=pbz+c2h5o2h	2.66E+11	0.0	11269.0
5141.	Ipche5e7+c2h5o2=pbz+c2h5o2h	2.66E+11	0.0	11269.0
5142.	Ipche4e6+nc3h7o2=pbz+nc3h7o2h	2.66E+11	0.0	11269.0
5143.	Dpche5e7+nc3h7o2=pbz+nc3h7o2h	2.66E+11	0.0	11269.0
5144.	Ipche5e7+nc3h7o2=pbz+nc3h7o2h	2.66E+11	0.0	11269.0
5145.	Ipche4e6+pchqjA=pbz+pchqG	2.66E+11	0.0	11269.0
5146.	Dpche5e7+pchqjA=pbz+pchqG	2.66E+11	0.0	11269.0
5147.	Ipche5e7+pchqjA=pbz+pchqG	2.66E+11	0.0	11269.0
5148.	Ipche4e6+pchqjB=pbz+pchqG	2.66E+11	0.0	11269.0
5149.	Dpche5e7+pchqjB=pbz+pchqG	2.66E+11	0.0	11269.0
5150.	Ipche5e7+pchqjB=pbz+pchqG	2.66E+11	0.0	11269.0
5151.	Ipche4e6+pchqjC=pbz+pchqG	2.66E+11	0.0	11269.0
5152.	Dpche5e7+pchqjC=pbz+pchqG	2.66E+11	0.0	11269.0
5153.	Ipche5e7+pchqjC=pbz+pchqG	2.66E+11	0.0	11269.0
5154.	Ipche4e6+pchqjD=pbz+pchqG	2.66E+11	0.0	11269.0
5155.	Dpche5e7+pchqjD=pbz+pchqG	2.66E+11	0.0	11269.0
5156.	Ipche5e7+pchqjD=pbz+pchqG	2.66E+11	0.0	11269.0
5157.	Ipche4e6+pchqjE=pbz+pchqG	2.66E+11	0.0	11269.0
5158.	Dpche5e7+pchqjE=pbz+pchqG	2.66E+11	0.0	11269.0
5159.	Ipche5e7+pchqjE=pbz+pchqG	2.66E+11	0.0	11269.0
5160.	Ipche4e6+pchqjF=pbz+pchqG	2.66E+11	0.0	11269.0
5161.	Dpche5e7+pchqjF=pbz+pchqG	2.66E+11	0.0	11269.0
5162.	Ipche5e7+pchqjF=pbz+pchqG	2.66E+11	0.0	11269.0
5163.	Ipche4e6+pchqjG=pbz+pchqG	2.66E+11	0.0	11269.0
5164.	Dpche5e7+pchqjG=pbz+pchqG	2.66E+11	0.0	11269.0
5165.	Ipche5e7+pchqjG=pbz+pchqG	2.66E+11	0.0	11269.0
5166.	ac3h5+ch3co=c5e4oB	1.00E+13	0.0	0.0
5167.	c5e4oB+o2=Cc5e4oB+ho2	7.00E+10	0.0	36015.0
5168.	c5e4oB+oh=Cc5e4oB+h2o	7.70E+05	2.2	622.0
5169.	c5e4oB+h=Cc5e4oB+h2	7.00E+06	2.0	0.0
5170.	c5e4oB+ho2=Cc5e4oB+h2o2	2.00E+11	0.0	12600.0
5171.	c5e4oB+ch3=Cc5e4oB+ch4	2.00E+14	0.0	22800.0
5172.	Cc5e4oB+o=ch3cocho+c2h3	2.00E+14	0.0	0.0
5173.	Cc5e4oB+o=ch3co+acrol	2.00E+14	0.0	0.0
5174.	Cc5e4oB+ho2=ch3cocho+c2h3+oh	1.00E+13	0.0	0.0
5175.	Cc5e4oB+ho2=ch3co+acrol+oh	1.00E+13	0.0	0.0
5176.	c5e4oB+o2=Ac5e4oB+ho2	3.01E+13	0.0	48500.0
5177.	c5e4oB+oh=Ac5e4oB+h2o	3.38E+07	1.7	830.0
5178.	c5e4oB+h=Ac5e4oB+h2	1.15E+05	2.7	6260.0
5179.	c5e4oB+ho2=Ac5e4oB+h2o2	8.50E+12	0.0	20460.0
5180.	c5e4oB+ch3=Ac5e4oB+ch4	1.98E+11	0.0	9784.0
5181.	c7e6oyA+ho2=>co2+oh+Fc6h11-1	2.00E+13	0.0	0.0
5182.	Fc9oAoG+o2=c9oAoGqjF	1.84E+45	-11.1	6538.0
5183.	c9oAoGqjF=Hc9oAoGqF	5.75E+08	1.0	22600.0
5184.	Hc9oAoGqF+o2=c9oAoGqFqjH	1.84E+45	-11.1	6538.0
5185.	c9oAoGqFqjH=oh+c9oAoGoFqH	2.87E+08	1.0	20600.0

5186.	c9oAoGoFqH=>oh+ch3hco+c7oyAoBoG	1.00E+16	0.0	43000.0
5187.	c7oyAoBoG=>co+c6oyAoF	2.00E+13	0.0	28700.0
5188.	c7oyAoBoG+ho2=>co2+oh+c6oyAoF	2.00E+13	0.0	0.0
5189.	c6oyAoF=>co+Ec5oA	2.00E+13	0.0	28700.0
5190.	c6oyAoF+ho2=>co2+oh+Ec5oA	2.00E+13	0.0	0.0
5191.	c2h4+ch2ch2hco=Ec5oA	3.30E+11	0.0	7200.0
5192.	Ec5oA+o2=c5oAqjE	4.82E+36	-8.2	5167.0
5193.	c5oAqjE=Cc5oAqE	5.75E+08	1.0	25000.0
5194.	c5oAqjE=Bc5oAqE	9.89E+07	1.0	20000.0
5195.	Cc5oAqE=>oh+ch2o+ac3h5hco	2.00E+13	0.0	28700.0
5196.	Cc5oAqE+o2=c5oAqEqjC	1.84E+45	-11.1	6538.0
5197.	Bc5oAqE+o2=c5oAqEqjB	1.84E+45	-11.1	6538.0
5198.	c5oAqEqjC=oh+c5oAoEqC	2.87E+08	1.0	23000.0
5199.	c5oAqEqjB=oh+c5oAoEqB	4.94E+07	1.0	18000.0
5200.	c5oAoEqC=>oh+hcoch2hco+ch2hco	1.00E+16	0.0	43000.0
5201.	c5oAoEqB=>oh+hco+choch2ch2cho	1.00E+16	0.0	43000.0
5202.	ch2co+cyc6h11=AechoB	2.11E+11	0.0	7350.0
5203.	c6oAoCoF+oh=>h2o+c6oyAoCoF	4.20E+12	0.0	500.0
5204.	c6oAoCoF+h=>h2+c6oyAoCoF	4.00E+13	0.0	4200.0
5205.	c6oAoCoF+ho2=>h2o2+c6oyAoCoF	1.00E+12	0.0	10000.0
5206.	c6oyAoCoF=>co+Ec5oAoD	2.00E+13	0.0	28700.0
5207.	c6oyAoCoF+ho2=>oh+co2+Ec5oAoD	2.00E+13	0.0	0.0
5208.	c6oAoCoF+oh=>h2o+c6oAoCoyF	4.20E+12	0.0	500.0
5209.	c6oAoCoF+h=>h2+c6oAoCoyF	4.00E+13	0.0	4200.0
5210.	c6oAoCoF+ho2=>h2o2+c6oAoCoyF	1.00E+12	0.0	10000.0
5211.	c6oAoCoyF=>co+Ec5oAoC	2.00E+13	0.0	28700.0
5212.	c6oAoCoyF+ho2=>oh+co2+Ec5oAoC	2.00E+13	0.0	0.0
5213.	c2h4+hcoch2co=Ec5oAoC	2.11E+11	0.0	7350.0
5214.	Cc6oAoD=c2h5coc2h3+hco	2.00E+13	0.0	33800.0
5215.	MeCc6oAoDoG+oh=>h2o+MeCc6oyAoDoG	4.20E+12	0.0	500.0
5216.	MeCc6oAoDoG+h=>h2+MeCc6oyAoDoG	4.00E+13	0.0	4200.0
5217.	MeCc6oAoDoG+ho2=>h2o2+MeCc6oyAoDoG	1.00E+12	0.0	10000.0
5218.	MeCc6oyAoDoG=>co+MeBc5oAoCrF	2.00E+13	0.0	28700.0
5219.	MeCc6oyAoDoG+ho2=>oh+co2+MeBc5oAoCrF	2.00E+13	0.0	0.0
5220.	MeCc6oAoDoG+oh=>h2o+MeCc6oAoDoyG	4.20E+12	0.0	500.0
5221.	MeCc6oAoDoG+h=>h2+MeCc6oAoDoyG	4.00E+13	0.0	4200.0
5222.	MeCc6oAoDoG+ho2=>h2o2+MeCc6oAoDoyG	1.00E+12	0.0	10000.0
5223.	MeCc6oAoDoyG=>co+Cc6oAoD	2.00E+13	0.0	28700.0
5224.	MeCc6oAoDoyG+ho2=>oh+co2+Cc6oAoD	2.00E+13	0.0	0.0
5225.	acrol+c2h5co=MeBc5oAoCrF	2.11E+11	0.0	7350.0
5226.	hco+c2h5coc2h3=MeBc5oAoCrF	2.11E+11	0.0	7350.0
5227.	c7e6oAoC+oh=c7e6oyAoC+h2o	4.20E+12	0.0	500.0
5228.	c7e6oAoC+h=c7e6oyAoC+h2	4.00E+13	0.0	4200.0
5229.	c7e6oAoC+ho2=c7e6oyAoC+h2o2	1.00E+12	0.0	10000.0
5230.	c7e6oyAoC=Ac6e5oB+co	2.00E+13	0.0	28700.0
5231.	c7e6oyAoC+ho2=>Ac6e5oB+co2+oh	2.00E+13	0.0	0.0
5232.	Ac9oDoF+o2=c9oDoFqjA	4.82E+36	-8.2	5167.0
5233.	c9oDoFqjA=Cc9oDoFqA	5.75E+08	1.0	22600.0
5234.	Cc9oDoFqA+o2=c9oDoFqAqjC	1.84E+45	-11.1	6538.0
5235.	c9oDoFqAqjC=oh+c9oAoDoFqC	5.75E+08	1.0	26000.0
5236.	c9oAoDoFqC=oh+hcoch2hco+c6oyAoC	1.00E+16	0.0	43000.0
5237.	ho2+pche5qD=FpchqDqE	8.00E+10	0.0	6000.0
5238.	pche5qD=pche5ojD+oh	1.00E+16	0.0	43000.0
5239.	oh+c9e1qAoF=FpchqDqE	4.76E+07	1.5	34700.0
5240.	c9e1qAoF=c9e1ojAoF+oh	1.00E+16	0.0	43000.0
5241.	Ac6oC+acrol=c9e1ojAoF	1.32E+04	2.5	6130.0
5242.	c5e4oB+oh=Dc5oBohE	9.93E+11	0.0	-960.0
5243.	Dc5oBohE+o2=c5oBqjDohE	1.20E+11	0.0	-1100.0
5244.	c5oBqjDohE=c4oAoC+ch2o+oh	1.25E+10	0.0	18900.0
5245.	c4oAoC+oh=c4oyAoC+h2o	4.20E+12	0.0	500.0
5246.	c4oAoC+h=c4oyAoC+h2	4.00E+13	0.0	4200.0



5247.	c4oAoC+ho2=c4oyAoC+h2o2	1.00E+12	0.0	10000.0
5248.	c4oyAoC=ch2coch3+co	2.00E+13	0.0	28700.0
5249.	c4oyAoC+ho2=>ch2coch3+co2+oh	2.00E+13	0.0	0.0
5250.	ch2co+mchA=ApchoB	1.76E+04	2.5	6130.0
5251.	acrol+cyc6h11=BpchoA	1.32E+04	2.5	6130.0
5252.	c2h4+chxco=ApchoC	1.00E+11	0.0	7800.0
5253.	hco+echel=CpchoA	1.00E+11	0.0	7800.0
5254.	c4h6+hco=Cc5e4oA	1.00E+11	0.0	7800.0
5255.	mchel1+ch2hco=DpchoA	1.32E+04	2.5	6130.0
5256.	c2h4+AmchoC=ApchoE	1.32E+04	2.5	6130.0
5257.	cyc6h10+ch2ch2hco=EpchoA	1.32E+04	2.5	6130.0
5258.	c2h4+AmchoD=ApchoF	1.32E+04	2.5	6130.0
5259.	EtDc7e6oArI=FpchoA	1.00E+08	0.9	5900.0
5260.	ch2hco+c7h12-16=Dc9e8oA	1.32E+04	2.5	6130.0
5261.	c4h7hco-1+Dc4h7-1=Dc9e8oA	1.32E+04	2.5	6130.0
5262.	c2h4+Dc7e6oA=EtDc7e6oArI	1.32E+04	2.5	6130.0
5263.	c5h8-14+ch2hco=Dc7e6oA	1.32E+04	2.5	6130.0
5264.	ch3chco+cyc6h11=BpchoC	1.76E+04	2.5	6130.0
5265.	Ic9e3oB=CpchoB	1.00E+08	0.9	5900.0
5266.	c2h4+Gc7e3oB=Ic9e3oB	1.32E+04	2.5	6130.0
5267.	c2h4+Cc5e4oB=Gc7e3oB	8.80E+03	2.5	6130.0
5268.	ch3co+mchel1=DpchoB	1.00E+11	0.0	7800.0
5269.	c3h6+Bchxone=BpchoE	8.80E+03	2.5	6130.0
5270.	ch2coch3+cyc6h10=EpchoB	8.80E+03	2.5	6130.0
5271.	c2h4+Ec5e4oB=Gc7e4oB	2.00E+11	0.0	2010.0
5272.	c3h6+Cchxone=BpchoF	2.64E+04	2.5	6130.0
5273.	Dc9e8oB=FpchoB	1.00E+08	0.9	5900.0
5274.	EtDc7e6oBrI=FpchoB	1.00E+08	0.9	5900.0
5275.	ch3co+c7h12-16=Dc9e8oB	2.00E+11	0.0	7800.0
5276.	c5e4oB+Dc4h7-1=Dc9e8oB	1.32E+04	2.5	6130.0
5277.	c2h4+Dc7e6oB=EtDc7e6oBrI	1.32E+04	2.5	6130.0
5278.	c5h8-14+ch3co=Dc7e6oB	1.00E+11	0.0	7800.0
5279.	c5e4oB+c2h3=Dc7e6oB	2.00E+11	0.0	2010.0
5280.	c3h6+Dchxone=BpchoG	2.64E+04	2.5	6130.0
5281.	MeDc8e7oBrI=GpchoB	1.00E+08	0.9	5900.0
5282.	c5e4oB+Dc4h7-1=MeDc8e7oBrI	1.32E+04	2.5	6130.0
5283.	ch2coch3+c6h10-15=MeDc8e7oBrI	1.32E+04	2.5	6130.0
5284.	MeDc8e9oCrH=DpchoC	1.00E+08	0.9	5900.0
5285.	c2h4+MeCc6e7oDrA=MeDc8e9oCrH	1.32E+04	2.5	6130.0
5286.	c2h4+Bc5e1oC=MeCc6e7oDrA	2.00E+11	0.0	2010.0
5287.	c2h5+ch2cco=Bc5e1oC	1.76E+04	2.5	6130.0
5288.	c9e6oyA=CpchoE	1.00E+08	0.9	5900.0
5289.	c9e6oyA=co+Hc8h15-3	2.00E+13	0.0	28700.0
5290.	c2h4+Ac6h11-3=Hc8h15-3	1.32E+04	2.5	6130.0
5291.	cyc6h10+c2h5co=EpchoC	1.00E+11	0.0	7800.0
5292.	ch3+echel1oE=CpchoF	1.32E+04	2.5	6130.0
5293.	Ac9e6oD=CpchoF	1.00E+08	0.9	5900.0
5294.	c2h4+Ac7e4oB=Ac9e6oD	8.80E+03	2.5	6130.0
5295.	ch2co+Cc5h9-1=Ac7e4oB	8.80E+03	2.5	6130.0
5296.	EtDc7e6oCrI=FpchoC	1.00E+08	0.9	5900.0
5297.	Dc9e8oC=FpchoC	1.00E+08	0.9	5900.0
5298.	Dc7e1oE+c2h4=EtDc7e6oCrI	1.32E+04	2.5	6130.0
5299.	c2h5coc2h3+c2h3=Dc7e1oE	4.00E+11	0.0	2010.0
5300.	c2h5coc2h3+Dc4h7-1=Dc9e8oC	1.32E+04	2.5	6130.0
5301.	ch3+echel1oF=CpchoG	1.32E+04	2.5	6130.0
5302.	MeDc8e7oCrI=GpchoC	1.00E+08	0.9	5900.0
5303.	c2h5coc2h3+Dc4h7-1=MeDc8e7oCrI	1.32E+04	2.5	6130.0
5304.	c6h10-15+c2h5co=MeDc8e7oCrI	1.00E+11	0.0	7800.0
5305.	mchel1oC+c2h5=DpchoE	1.32E+04	2.5	6130.0
5306.	MeEc8e9oyA=DpchoF	1.00E+08	0.9	5900.0
5307.	ac3h4+nc3h7=MeBc5elrF	2.00E+11	0.0	11300.0

5308.	MeBc5elrF+o2=ch2o+nc3h7coch2	3.08E+09	0.4	16910.0
5309.	MeEc8e9oyA=co+MeDc7e8rA	2.00E+13	0.0	28700.0
5310.	MeEc8e9oyA+ho2=co2+oh+MeDc7e8rA	2.00E+13	0.0	0.0
5311.	c2h4+MeBc5elrF=MeDc7e8rA	8.80E+03	2.5	6130.0
5312.	mcheloE+c2h5=DpchoG	1.32E+04	2.5	6130.0
5313.	chxe2oA+nc3h7=EpchoF	1.32E+04	2.5	6130.0
5314.	EtDc7eloCrI=FpchoE	1.00E+08	0.9	5900.0
5315.	c2h4+Dc7eloC=EtDc7eloCrI	1.32E+04	2.5	6130.0
5316.	divinket+c2h5=Dc7eloC	2.64E+04	2.5	6130.0
5317.	chxe3oA+nc3h7=EpchoG	1.32E+04	2.5	6130.0
5318.	MeEc8eloyI=GpchoE	1.00E+08	0.9	5900.0
5319.	MeEc8eloyI=co+Ec8h15-1	2.00E+13	0.0	28700.0
5320.	ac3h5+c5h10=Ec8h15-1	8.80E+03	2.5	6130.0
5321.	c2h5+c6h10-15=Ec8h15-1	1.32E+04	2.5	6130.0
5322.	chxe3oA+nc3h7=EpchoH	1.32E+04	2.5	6130.0
5323.	EtDc7eloHrI=HpchoE	1.00E+08	0.9	5900.0
5324.	Fc9eloE=HpchoE	1.00E+08	0.9	5900.0
5325.	c7ele6oC+c2h5=Fc9eloE	1.32E+04	2.5	6130.0
5326.	c3h7chco+Dc4h7-1=Fc9eloE	1.76E+04	2.5	6130.0
5327.	ch2co+Dc7h13-1=EtDc7eloHrI	1.76E+04	2.5	6130.0
5328.	c2h5+c5h8-14=Dc7h13-1	5.28E+04	2.5	6130.0
5329.	chxe2oA+nc3h7=IpchoE	1.32E+04	2.5	6130.0
5330.	Fc9eloC=FpchoG	1.00E+08	0.9	5900.0
5331.	ch2coc2h3+c5h10=Fc9eloC	8.80E+03	2.5	6130.0
5332.	c7ele6oC+c2h5=Fc9eloC	1.32E+04	2.5	6130.0
5333.	MeEc8eloCrI=GpchoF	1.00E+08	0.9	5900.0
5334.	ch2coc2h3+c5h10=MeEc8eloCrI	8.80E+03	2.5	6130.0
5335.	c6ele5oC+nc3h7=MeEc8eloCrI	1.32E+04	2.5	6130.0
5336.	EtDc7eloyI=HpchoF	1.00E+08	0.9	5900.0
5337.	EtDc7eloyI=co+MeDc7elrH	2.00E+13	0.0	28700.0
5338.	nc3h7+c5h8-14=MeDc7elrH	2.64E+04	2.5	6130.0
5339.	ac3h5+c5h10=MeDc7elrH	8.80E+03	2.5	6130.0
5340.	ho2+pche3qF=CpchgDqF	8.00E+10	0.0	6000.0
5341.	Etall+c3h6cho-1=MeEc8e5oArI	1.76E+04	2.5	6130.0
5342.	ch3co+Etall=MeCc6e3oArG	1.76E+04	2.5	6130.0
5343.	Etall+ho2=oh+ch2o+c4h6	5.00E+11	0.0	19000.0
5344.	Etall+ho2=oh+ch2co+c3h6	5.00E+11	0.0	19000.0
5345.	Etall+ho2=oh+ethco+c2h2	5.00E+11	0.0	19000.0
5346.	ho2+pche4qB=EpchgDqB	8.00E+10	0.0	6000.0
5347.	c6e2e5oA+oh=c6e2e5oyA+h2o	4.20E+12	0.0	500.0
5348.	c6e2e5oA+h=c6e2e5oyA+h2	4.00E+13	0.0	4200.0
5349.	c6e2e5oA+ho2=c6e2e5oyA+h2o2	1.00E+12	0.0	10000.0
5350.	c6e2e5oyA=c2h2+ac3h5+co	2.00E+13	0.0	28700.0
5351.	c6e2e5oyA+ho2=>c2h2+ac3h5+co2+oh	2.00E+13	0.0	0.0
5352.	mcheloE+oh=ch2o+Dchxone	1.40E+12	0.0	-900.0
5353.	mcheloE+oh=ch3+chxoAoD	1.40E+12	0.0	-900.0
5354.	echele3+oh=ch2o+Cmchel	1.40E+12	0.0	-900.0
5355.	echele3+oh=ch3+mche2oA	1.40E+12	0.0	-900.0
5356.	echele3+oh=2c2h4+ch2coc2h3	1.40E+12	0.0	-900.0
5357.	echele3+oh=c4h6+c3h6cho-1	1.40E+12	0.0	-900.0
5358.	AmchoC=>co+Fc6h11-1	1.78E+16	-0.4	25157.0
5359.	AmchoC=>2c2h4+c2h3co	3.31E+15	-0.1	24999.0
5360.	c3h3+c3h3=c6h615	4.00E+12	0.0	0.0
5361.	c6h5+o=c5h5+co	9.00E+13	0.0	0.0
5362.	c6h5+o2=c6h5o2	1.86E+13	-0.2	-711.0
5363.	c6h5o+o=c6h5o2	2.81E+13	-0.2	-1935.0
5364.	c6h5+c3h6=ac3h5+c6h6	1.36E+00	3.8	1437.0
5365.	c6h5oh=CPD+co	8.62E+15	-0.6	74122.6
5366.	c6h5o+o=c6h4o2+h	3.00E+13	0.0	0.0
5367.	c6h5o2+h=c6h5o2h	2.50E+14	0.0	0.0
5368.	c6h5o+oh=c6h5o2h	1.00E+12	0.0	0.0

5369.	c6h5o2+ho2=c6h5o2h+o2	1.87E+12	0.0	1540.0
5370.	c6h5o2+c6h5oh=c6h5o2h+c6h5o	1.00E+12	0.0	6961.0
5371.	c6h5o+ho2=c6h5o2+oh	1.50E+14	0.0	23650.0
5372.	c6h4o2=c5h4+co2	3.50E+12	0.0	67000.0
5373.	c6h4o2+h=>c5h5o+co	2.50E+13	0.0	4700.0
5374.	c6h4o2+h=>c6h3o2+h2	2.00E+12	0.0	8100.0
5375.	c6h4o2+oh=>c6h3o2+h2o	1.00E+06	2.0	4000.0
5376.	c6h4o2+o=>c6h3o3+h	1.50E+13	0.0	4530.0
5377.	c6h4o2+o=>c6h3o2+oh	1.40E+13	0.0	14700.0
5378.	c6h3o2+h=>c2h2+c2h2+co+co	1.00E+14	0.0	0.0
5379.	c6h3o2+o=>c2h2+hcco+co+co	1.00E+14	0.0	0.0
5380.	c6h3o3=>c2h2+hcco+co+co	1.00E+12	0.0	50000.0
5381.	aceton=ch3co+ch3	2.70E+16	0.0	81740.0
5382.	aceton+o2=ch2coch3+ho2	1.00E+13	0.0	51000.0
5383.	metacrol=tc3h5+hco	2.45E+16	0.0	84128.0
5384.	metacrol+ho2=>c3h5co+h2o2	8.50E+11	0.0	10700.0
5385.	metacrol+oh=>c3h5co+h2o	1.21E+13	0.0	-307.0
5386.	metacrol+h=>c3h5co+h2	4.00E+13	0.0	4200.0
5387.	metacrol+ch3=>c3h5co+ch4	8.75E+11	0.0	8440.0
5388.	c3h5co+m=>tc3h5+co+m	8.64E+15	0.0	14400.0
5389.	ic4h9=c3h6+ch3	2.00E+13	0.0	29950.0
5390.	ic4h9=ic4h8+h	1.91E+29	-5.2	39758.0
5391.	ic4h9+o2=ic4h8+ho2	2.40E+10	0.0	0.0
5392.	ic4h9+ho2=>ic3h7+ch2o+oh	2.41E+13	0.0	0.0
5393.	tc4h9=ic4h8+h	2.90E+51	-11.5	52620.0
5394.	tc4h9=c3h6+ch3	3.00E+14	0.0	46300.0
5395.	tc4h9+o2=ic4h8+ho2	5.00E+11	0.0	2500.0
5396.	tc4h9+ho2=>aceton+ch3+oh	1.80E+13	0.0	0.0
5397.	tc4h9+oh=ic4h8+h2o	1.80E+13	0.0	0.0
5398.	tc4h9+h=ic4h8+h2	5.40E+12	0.0	0.0
5399.	tc4h9+o=ic4h8+oh	4.16E+14	0.0	0.0
5400.	tc4h9+o=aceton+ch3	1.04E+14	0.0	0.0
5401.	tc4h9+ch3=ic4h8+ch4	1.26E+13	0.0	-596.0
5402.	ic4h8=tc3h5+ch3	3.56E+56	-12.0	116658.0
5403.	ic4h8=ic4h7+h	2.77E+54	-11.7	107716.0
5404.	ic4h8+o2=ic4h7+ho2	1.44E+13	0.0	38530.0
5405.	ic4h8+ho2=ic4h7+h2o2	3.00E+11	0.0	14190.0
5406.	ic4h8+ho2=c4h8o+oh	1.02E+12	0.0	14964.0
5407.	c4h8o=bmepral	4.00E+13	0.0	57200.0
5408.	c4h8o=ic3h7+hco	6.00E+13	0.0	57200.0
5409.	ic4h8+oh=ic4h7+h2o	6.00E+06	2.0	-60.0
5410.	ic4h8+o=ic4h7+oh	3.00E+08	1.3	-1079.0
5411.	ic4h8+o=ic3h7+hco	5.00E+08	1.3	-1079.0
5412.	ic4h8+o=c4h8o	1.00E+08	1.3	-1079.0
5413.	ic4h8+h=ic4h7+h2	1.72E+14	0.0	8000.0
5414.	ic4h8+h=c3h6+ch3	1.72E+13	0.0	3600.0
5415.	ic4h8+ch3=ic4h7+ch4	4.42E+00	3.5	4420.0
5416.	ic4h8+hco=ic4h7+ch2o	3.30E+11	0.0	6210.0
5417.	ic4h8+c2h3=ic4h7+c2h4	1.00E+13	0.0	13000.0
5418.	ic4h8+ac3h5=ic4h7+c3h6	7.94E+11	0.0	20500.0
5419.	ic4h8+sc3h5=ic4h7+c3h6	7.94E+11	0.0	20500.0
5420.	ic4h8+tc3h5=ic4h7+c3h6	7.94E+11	0.0	20500.0
5421.	ic4h7+ho2=c4h7o+oh	4.50E+12	0.0	0.0
5422.	ic4h7+ch3=bmelbu	1.00E+13	0.0	0.0
5423.	ic4h7+ic4h7=ac3h4+bmelbu	5.00E+10	0.0	6300.0
5424.	c4h7o=metacrol+h	1.50E+13	0.0	19000.0
5425.	bmepral=ic3h7+hco	2.45E+16	0.0	84128.0
5426.	bmepral+o2=>bmepryl+ho2	3.01E+13	0.0	39148.0
5427.	bmepral+ho2=>bmepryl+h2o2	3.01E+12	0.0	11923.0
5428.	bmepral+oh=>bmepryl+h2o	3.37E+12	0.0	-616.0
5429.	bmepral+o=>bmepryl+oh	5.00E+12	0.0	1792.0

5430.	bmepral+h=>bmepryl+h2	4.00E+13	0.0	4207.0
5431.	bmepryl+M=>ic3h7+co+M	8.64E+15	0.0	14400.0
5432.	bme1bu=bme2bu	3.50E+12	0.0	60000.0
5433.	bme1bu=tc3h5+c2h5	3.30E+21	-1.2	97720.0
5434.	bme1bu=bme2b1+h	4.08E+18	-1.0	97350.0
5435.	bme1bu+o2=bme2b1+ho2	4.00E+12	0.0	40000.0
5436.	bme1bu+ho2=bme2b1+h2o2	1.00E+11	0.0	17060.0
5437.	bme1bu+oh=bme2b1+h2o	6.28E+06	2.0	-543.0
5438.	bme1bu+o=bme2b1+oh	1.30E+12	0.0	4500.0
5439.	bme1bu+h=bme2b1+h2	1.95E+13	0.0	4445.0
5440.	bme1bu+ch3=bme2b1+ch4	1.00E+11	0.0	7300.0
5441.	bme2bu=bme2b1+h	2.13E+47	-9.3	104551.0
5442.	bme2bu=cme2b1+h	1.06E+47	-9.3	104551.0
5443.	bme2bu+o2=bme2b1+ho2	4.80E+12	0.0	38530.0
5444.	bme2bu+o2=cme2b1+ho2	2.40E+12	0.0	38530.0
5445.	bme2bu+ho2=bme2b1+h2o2	3.00E+11	0.0	14190.0
5446.	bme2bu+ho2=cme2b1+h2o2	1.50E+11	0.0	14190.0
5447.	bme2bu+oh=bme2b1+h2o	9.00E+06	2.0	-60.0
5448.	bme2bu+oh=cme2b1+h2o	3.00E+06	2.0	-60.0
5449.	bme2bu+oh=ch3hco+ic3h7	2.00E+10	0.0	4000.0
5450.	bme2bu+o=bme2b1+oh	3.50E+11	0.7	5884.0
5451.	bme2bu+o=cme2b1+oh	1.75E+11	0.7	5884.0
5452.	bme2bu+o=ch3hco+c3h6	7.23E+05	2.3	-1050.0
5453.	bme2bu+h=bme2b1+h2	1.29E+13	0.0	4445.0
5454.	bme2bu+h=cme2b1+h2	6.46E+12	0.0	4445.0
5455.	bme2bu+ch3=bme2b1+ch4	3.20E+11	0.0	8800.0
5456.	bme2bu+ch3=cme2b1+ch4	1.60E+11	0.0	8800.0
5457.	bme2b1=isope+h	1.20E+08	2.5	45000.0
5458.	bme2b1+o2=isope+ho2	1.00E+11	0.0	37000.0
5459.	bme2b1+ho2=isope+h2o2	1.00E+12	0.0	0.0
5460.	bme2b1+oh=isope+h2o	1.80E+13	0.0	0.0
5461.	bme2b1+o=isope+oh	1.80E+13	0.0	0.0
5462.	bme2b1+h=isope+h2	3.60E+12	0.0	0.0
5463.	bme2b1+ch3=isope+ch4	1.00E+13	0.0	0.0
5464.	bme2b1+ic4h7=isope+ic4h8	4.00E+13	0.0	0.0
5465.	cme2b1=isope+h	1.20E+08	2.5	45000.0
5466.	cme2b1+o2=isope+ho2	1.00E+11	0.0	37000.0
5467.	cme2b1+ho2=isope+h2o2	1.00E+12	0.0	0.0
5468.	cme2b1+oh=isope+h2o	1.80E+13	0.0	0.0
5469.	cme2b1+o=isope+oh	1.80E+13	0.0	0.0
5470.	cme2b1+h=isope+h2	3.60E+12	0.0	0.0
5471.	cme2b1+ch3=isope+ch4	1.00E+13	0.0	0.0
5472.	cme2b1+ic4h7=isope+ic4h8	4.00E+13	0.0	0.0
5473.	c2h3+tc3h5=isope	2.50E+13	0.0	0.0
5474.	c4h7o=tc3h5+ch2o	5.00E+15	0.0	25000.0
5475.	c4h7o=ac3h5+ch2o	1.50E+15	0.0	25000.0
5476.	ic4h8+ch3=bme1bu+h	1.55E+07	1.9	14182.0
5477.	bme1bu+h=c3h6+c2h5	1.70E+12	0.0	2900.0
5478.	bme1bu+ch3=>c2h4+c2h4+c2h5	1.70E+11	0.0	7400.0
5479.	nec5h11=ch3+ic4h8	7.94E+13	0.0	30900.0
5480.	nec5h11+ho2=>tc4h9+ch2o+oh	2.50E+13	0.0	0.0
5481.	nec5h11+o=>tc4h9+ch2o	5.00E+13	0.0	0.0
5482.	nec5h11+oh=>tc4h9+ch2o+h	2.50E+13	0.0	0.0
5483.	nec5h11+ch3=>tc4h9+c2h5	1.00E+11	0.0	0.0
5484.	tc3h5+ho2=ch2co+ch3+oh	1.50E+12	0.0	0.0
5485.	tc3h5+ch2=c4h6+h	3.00E+13	0.0	0.0
5486.	ic8h18=nec5h11+ic3h7	1.00E+17	0.0	83200.0
5487.	ic8h18=dddmp2+ch3	2.00E+17	0.0	81500.0
5488.	ic8h18=tc4h9+ic4h9	1.00E+17	0.0	79000.0
5489.	ic8h18=bddmp2+ch3	3.00E+17	0.0	80800.0
5490.	ic8h18=bbdtmp1+h	2.00E+16	0.0	100160.0

5491.	ic8h18=bbdtmpe3+h	4.40E+15	0.0	95160.0
5492.	ic8h18=bbdtmpe2+h	2.20E+15	0.0	92760.0
5493.	ic8h18=bbdtmpe1+h	1.30E+16	0.0	99160.0
5494.	ic8h18+o2=bbdtmpe1+ho2	3.75E+13	0.0	50560.0
5495.	ic8h18+o2=bbdtmpe3+ho2	2.00E+13	0.0	45600.0
5496.	ic8h18+o2=bbdtmpe2+ho2	2.00E+13	0.0	43200.0
5497.	ic8h18+o2=bbdtmpe1+ho2	2.50E+13	0.0	49600.0
5498.	ic8h18+ho2=bbdtmpe1+h2o2	1.20E+13	0.0	19400.0
5499.	ic8h18+ho2=bbdtmpe3+h2o2	2.44E+12	0.0	17000.0
5500.	ic8h18+ho2=bbdtmpe2+h2o2	2.16E+12	0.0	14400.0
5501.	ic8h18+ho2=bbdtmpe1+h2o2	8.04E+12	0.0	19400.0
5502.	ic8h18+oh=bbdtmpe1+h2o	2.63E+07	1.8	278.2
5503.	ic8h18+oh=bbdtmpe3+h2o	1.34E+06	2.0	-1132.0
5504.	ic8h18+oh=bbdtmpe2+h2o	1.70E+06	1.9	-1451.0
5505.	ic8h18+oh=bbdtmpe1+h2o	1.78E+07	1.8	1431.0
5506.	ic8h18+o=bbdtmpe1+oh	1.24E+03	3.5	3092.1
5507.	ic8h18+o=bbdtmpe3+oh	1.13E+03	3.3	1653.3
5508.	ic8h18+o=bbdtmpe2+oh	2.51E+08	1.1	1631.5
5509.	ic8h18+o=bbdtmpe1+oh	8.28E+02	3.5	3092.1
5510.	ic8h18+h=bbdtmpe1+h2	8.40E+07	2.0	7700.0
5511.	ic8h18+h=bbdtmpe3+h2	9.10E+06	2.0	5000.0
5512.	ic8h18+h=bbdtmpe2+h2	5.00E+13	0.0	7300.0
5513.	ic8h18+h=bbdtmpe1+h2	5.60E+07	2.0	7700.0
5514.	ic8h18+ch3=bbdtmpe1+ch4	1.95E+12	0.0	11600.0
5515.	ic8h18+ch3=bbdtmpe3+ch4	4.00E+11	0.0	9500.0
5516.	ic8h18+ch3=bbdtmpe2+ch4	1.00E+11	0.0	7900.0
5517.	ic8h18+ch3=bbdtmpe1+ch4	1.30E+12	0.0	11600.0
5518.	ic8h18+c2h5=bbdtmpe1+c2h6	1.50E+11	0.0	13400.0
5519.	ic8h18+c2h5=bbdtmpe3+c2h6	5.00E+10	0.0	10400.0
5520.	ic8h18+c2h5=bbdtmpe2+c2h6	1.00E+11	0.0	7900.0
5521.	ic8h18+c2h5=bbdtmpe1+c2h6	1.00E+11	0.0	13400.0
5522.	ic8h18+c2h3=bbdtmpe1+c2h4	1.50E+12	0.0	18000.0
5523.	ic8h18+c2h3=bbdtmpe3+c2h4	4.00E+11	0.0	16800.0
5524.	ic8h18+c2h3=bbdtmpe2+c2h4	2.00E+11	0.0	14300.0
5525.	ic8h18+c2h3=bbdtmpe1+c2h4	1.00E+12	0.0	18000.0
5526.	ic8h18+tc3h5=bbdtmpe1+c3h6	1.50E+12	0.0	18000.0
5527.	ic8h18+tc3h5=bbdtmpe3+c3h6	4.00E+11	0.0	16800.0
5528.	ic8h18+tc3h5=bbdtmpe2+c3h6	2.00E+11	0.0	14300.0
5529.	ic8h18+tc3h5=bbdtmpe1+c3h6	1.00E+12	0.0	18000.0
5530.	ic8h18+ac3h5=bbdtmpe1+c3h6	1.50E+12	0.0	18000.0
5531.	ic8h18+ac3h5=bbdtmpe3+c3h6	4.00E+11	0.0	16800.0
5532.	ic8h18+ac3h5=bbdtmpe2+c3h6	2.00E+11	0.0	14300.0
5533.	ic8h18+ac3h5=bbdtmpe1+c3h6	1.00E+12	0.0	18000.0
5534.	ic8h18+ic4h7=bbdtmpe1+ic4h8	1.50E+12	0.0	18000.0
5535.	ic8h18+ic4h7=bbdtmpe3+ic4h8	4.00E+11	0.0	16800.0
5536.	ic8h18+ic4h7=bbdtmpe2+ic4h8	2.00E+11	0.0	14300.0
5537.	ic8h18+ic4h7=bbdtmpe1+ic4h8	1.00E+12	0.0	18000.0
5538.	ic8h18+pc4h9=bbdtmpe1+c4h10	1.50E+11	0.0	13400.0
5539.	ic8h18+pc4h9=bbdtmpe3+c4h10	5.00E+10	0.0	10400.0
5540.	ic8h18+pc4h9=bbdtmpe2+c4h10	1.00E+11	0.0	7900.0
5541.	ic8h18+pc4h9=bbdtmpe1+c4h10	1.00E+11	0.0	13400.0
5542.	ic8h18+ch3o=bbdtmpe1+ch3oh	4.75E+11	0.0	7000.0
5543.	ic8h18+ch3o=bbdtmpe3+ch3oh	1.10E+12	0.0	5000.0
5544.	ic8h18+ch3o=bbdtmpe2+ch3oh	1.90E+10	0.0	2800.0
5545.	ic8h18+ch3o=bbdtmpe1+ch3oh	3.20E+11	0.0	7000.0
5546.	dddmp2=c3h6+tc4h9	5.00E+12	0.0	28400.0
5547.	dddmp2=dddmlpe+h	3.00E+13	0.0	35350.0
5548.	dddmp2=dddmp2pe+h	3.00E+13	0.0	38500.0
5549.	dddmp2+o2=dddmlpe+ho2	2.00E+12	0.0	5000.0
5550.	dddmp2+o2=dddmp2pe+ho2	2.00E+12	0.0	5000.0
5551.	dddmp2+ho2=dddmlpe+h2o2	1.00E+12	0.0	0.0

5552.	dddmp2+ho2=dddmlpe+h2o2	1.00E+12	0.0	2000.0
5553.	dddmp2+oh=dddmlpe+h2o	1.20E+13	0.0	0.0
5554.	dddmp2+oh=dddmlpe+h2o	2.40E+13	0.0	0.0
5555.	dddmp2+o=dddmlpe+oh	3.33E+13	0.0	0.0
5556.	dddmp2+o=dddmlpe+oh	5.00E+13	0.0	0.0
5557.	dddmp2+h=dddmlpe+h2	5.00E+13	0.0	0.0
5558.	dddmp2+h=dddmlpe+h2	5.00E+13	0.0	0.0
5559.	dddmp2+ch3=dddmlpe+ch4	8.00E+11	0.0	0.0
5560.	dddmp2+ch3=dddmlpe+ch4	1.00E+12	0.0	0.0
5561.	dddmp2+c2h3=dddmlpe+c2h4	1.60E+12	0.0	0.0
5562.	dddmp2+c2h3=dddmlpe+c2h4	1.00E+12	0.0	0.0
5563.	dddmp2+c2h5=dddmlpe+c2h6	1.60E+12	0.0	0.0
5564.	dddmp2+c2h5=dddmlpe+c2h6	1.00E+12	0.0	0.0
5565.	dddmp2+ic4h7=dddmlpe+ic4h8	1.00E+12	0.0	0.0
5566.	dddmp2+ic4h7=dddmlpe+ic4h8	1.00E+12	0.0	0.0
5567.	dddmp2+Cc4h7-1=dddmlpe+c4h8	1.00E+12	0.0	0.0
5568.	dddmp2+Cc4h7-1=dddmlpe+c4h8	1.00E+12	0.0	0.0
5569.	bddmp2=ic4h8+ic3h7	5.00E+12	0.0	28400.0
5570.	bddmp2=bddmlpe+h	3.00E+13	0.0	37270.0
5571.	bddmp2=bddmlpe+h	3.00E+13	0.0	34800.0
5572.	bddmp2+o2=bddmlpe+ho2	2.00E+12	0.0	5000.0
5573.	bddmp2+o2=bddmlpe+ho2	2.00E+12	0.0	5000.0
5574.	bddmp2+ho2=bddmlpe+h2o2	1.81E+13	0.0	0.0
5575.	bddmp2+ho2=bddmlpe+h2o2	1.81E+13	0.0	0.0
5576.	bddmp2+oh=bddmlpe+h2o	1.21E+13	0.0	0.0
5577.	bddmp2+oh=bddmlpe+h2o	1.80E+13	0.0	0.0
5578.	bddmp2+o=bddmlpe+oh	1.21E+14	0.0	0.0
5579.	bddmp2+o=bddmlpe+oh	1.81E+14	0.0	0.0
5580.	bddmp2+h=bddmlpe+h2	3.61E+12	0.0	0.0
5581.	bddmp2+h=bddmlpe+h2	5.42E+12	0.0	0.0
5582.	bddmp2+ch3=bddmlpe+ch4	8.40E+12	0.0	-596.0
5583.	bddmp2+ch3=bddmlpe+ch4	1.26E+13	0.0	-596.0
5584.	bddmp2+ic4h7=bddmlpe+ic4h8	8.40E+12	0.0	-596.0
5585.	bddmp2+ic4h7=bddmlpe+ic4h8	1.26E+13	0.0	-596.0
5586.	bddmp2+c2h3=bddmlpe+c2h4	1.46E+14	-0.8	0.0
5587.	bddmp2+c2h3=bddmlpe+c2h4	2.20E+14	-0.8	0.0
5588.	bbdtmpe1=ic4h8+ic4h9	5.00E+12	0.0	28000.0
5589.	bbdtmpe1=bddmlpe+ch3	2.00E+13	0.0	31000.0
5590.	bbdtmpe3=dddmlpe+ch3	2.00E+13	0.0	31000.0
5591.	bbdtmpe3=bddmlpe+ch3	2.00E+13	0.0	31000.0
5592.	bbdtmpe2=tc4h9+ic4h8	5.00E+13	0.0	34500.0
5593.	bbdtmpe1=dddmlpe+ch3	2.00E+13	0.0	31000.0
5594.	bbdtmpe1=nec5h11+c3h6	1.30E+13	0.0	29500.0
5595.	bbdtmpe1=bbdtmpe2	1.00E+11	0.0	16100.0
5596.	bbdtmpe1=bbdtmpe1	6.00E+11	0.0	14100.0
5597.	bbdtmpe3+o2=i2c8h16+ho2	5.00E+11	0.0	5000.0
5598.	bbdtmpe2+o2=i2c8h16+ho2	1.00E+12	0.0	5000.0
5599.	bbdtmpe2+o2=ilc8h16+ho2	1.00E+12	0.0	5000.0
5600.	bbdtmpe1+o2=ilc8h16+ho2	1.00E+12	0.0	5000.0
5601.	bbdtmpe3+ho2=i2c8h16+h2o2	1.00E+12	0.0	0.0
5602.	bbdtmpe2+ho2=i2c8h16+h2o2	1.00E+12	0.0	0.0
5603.	bbdtmpe2+ho2=ilc8h16+h2o2	1.00E+12	0.0	0.0
5604.	bbdtmpe1+ho2=ilc8h16+h2o2	1.00E+12	0.0	0.0
5605.	bbdtmpe3+oh=i2c8h16+h2o	2.00E+13	0.0	0.0
5606.	bbdtmpe2+oh=i2c8h16+h2o	2.00E+13	0.0	0.0
5607.	bbdtmpe2+oh=ilc8h16+h2o	2.00E+13	0.0	0.0
5608.	bbdtmpe1+oh=ilc8h16+h2o	2.00E+13	0.0	0.0
5609.	bbdtmpe3+o=i2c8h16+oh	3.00E+13	0.0	0.0
5610.	bbdtmpe2+o=i2c8h16+oh	3.00E+13	0.0	0.0
5611.	bbdtmpe2+o=ilc8h16+oh	3.00E+13	0.0	0.0
5612.	bbdtmpe1+o=ilc8h16+oh	3.00E+13	0.0	0.0

5613.	bbdtmpe3+h=i2c8h16+h2	5.00E+13	0.0	0.0
5614.	bbdtmpe2+h=i2c8h16+h2	5.00E+13	0.0	0.0
5615.	bbdtmpe2+h=ilc8h16+h2	5.00E+13	0.0	0.0
5616.	bbdtmpe1+h=ilc8h16+h2	5.00E+13	0.0	0.0
5617.	bbdtmpe3=i2c8h16+h	1.00E+13	0.0	38000.0
5618.	bbdtmpe2=i2c8h16+h	1.00E+13	0.0	38000.0
5619.	bbdtmpe2=ilc8h16+h	1.00E+13	0.0	38000.0
5620.	bbdtmpe1=ilc8h16+h	1.00E+13	0.0	38000.0
5621.	ilc8h16+h=ic8h15+h2	3.70E+13	0.0	3900.0
5622.	ilc8h16+o=ic8h15+oh	3.70E+13	0.0	3900.0
5623.	ilc8h16+oh=ic8h15+h2o	3.70E+13	0.0	3900.0
5624.	ilc8h16+ch3=ic8h15+ch4	2.00E+12	0.0	7300.0
5625.	ilc8h16+ic4h7=ic8h15+ic4h8	2.00E+12	0.0	7300.0
5626.	ilc8h16+oh=aceton+nec5h11	1.00E+11	0.0	-4000.0
5627.	i2c8h16+h=ic8h15+h2	3.70E+13	0.0	3900.0
5628.	i2c8h16+o=ic8h15+oh	3.70E+13	0.0	3900.0
5629.	i2c8h16+oh=ic8h15+h2o	3.70E+13	0.0	3900.0
5630.	i2c8h16+ch3=ic8h15+ch4	2.00E+12	0.0	7300.0
5631.	i2c8h16+ic4h7=ic8h15+ic4h8	2.00E+12	0.0	7300.0
5632.	i2c8h16+oh=ch2o+pc7h15	1.00E+11	0.0	-4000.0
5633.	i2c8h16+o=>ch2o+nec5h11+c2h3	1.00E+11	0.0	-1050.0
5634.	ic8h15=ic4h8+ic4h7	4.51E+24	-3.0	54010.0
5635.	ic8h15+o2=>ic4h7+ic4h7+ho2	2.00E+12	0.0	15000.0
5636.	ic8h15+o2=>aceton+ic4h7+ch2o	1.00E+13	0.0	-250.0
5637.	pc7h15=tc4h9+c3h6	3.52E+21	-2.2	28120.0
5638.	pc7h15=>ic4h8+c3h6+h Declared duplicate reaction...	3.32E+15	-0.5	38750.0
5639.	pc7h15=>ic4h8+c3h6+h Declared duplicate reaction...	2.78E+15	-0.7	38200.0
5640.	ilc8h16=nec5h11+tc3h5	2.50E+16	0.0	71000.0
5641.	ilc8h16=ch3+dddm1pe2	2.50E+16	0.0	71000.0
5642.	i2c8h16=ic4h7+tc4h9	2.50E+16	0.0	71000.0
5643.	i2c8h16=ch3+dddm2pe2	2.50E+16	0.0	71000.0
5644.	bddmlpe=ic4h7+ic3h7	1.00E+16	0.0	71000.0
5645.	bddmlpe=ic4h9+tc3h5	1.00E+16	0.0	97900.0
5646.	bddmlpe=bddmlpe3+h	1.26E+15	0.0	81630.0
5647.	bddmlpe=dm2mylpe+h	5.00E+16	0.0	88000.0
5648.	bddmlpe+o2=bddmlpe3+ho2	2.00E+13	0.0	33140.0
5649.	bddmlpe+o2=dm2mylpe+ho2	1.25E+13	0.0	37530.0
5650.	bddmlpe+ho2=bddmlpe3+h2o2	2.44E+12	0.0	17000.0
5651.	bddmlpe+ho2=dm2mylpe+h2o2	4.00E+12	0.0	19400.0
5652.	bddmlpe+ho2=>oc7h14+oh	1.00E+12	0.0	14964.0
5653.	oc7h14=>tc3h5+ic3h7+ch2o	6.00E+13	0.0	57200.0
5654.	bddmlpe+oh=bddmlpe3+h2o	4.70E+07	1.6	-35.0
5655.	bddmlpe+oh=dm2mylpe+h2o	5.25E+09	1.0	1590.0
5656.	bddmlpe+oh=>ic3h7+tc3h5+ch2oh	7.00E+11	0.0	-928.0
5657.	bddmlpe+o=bddmlpe3+oh	4.70E+05	2.5	2230.0
5658.	bddmlpe+o=dm2mylpe+oh	2.20E+06	2.4	5500.0
5659.	bddmlpe+o=>ac3h5+ic3h7+ch2o	1.00E+08	1.4	530.0
5660.	bddmlpe+o=>c3h6+ic3h7+hco	1.00E+08	1.4	530.0
5661.	bddmlpe+h=bddmlpe3+h2	9.10E+06	2.0	5000.0
5662.	bddmlpe+h=dm2mylpe+h2	2.80E+07	2.0	7700.0
5663.	bddmlpe+ch3=bddmlpe3+ch4	4.00E+11	0.0	9500.0
5664.	bddmlpe+ch3=dm2mylpe+ch4	6.60E+11	0.0	11600.0
5665.	bddmlpe+c2h3=bddmlpe3+c2h4	4.00E+11	0.0	16800.0
5666.	bddmlpe+c2h3=dm2mylpe+c2h4	5.00E+11	0.0	18000.0
5667.	bddmlpe+c2h5=bddmlpe3+c2h6	5.00E+10	0.0	13400.0
5668.	bddmlpe+c2h5=dm2mylpe+c2h6	5.00E+10	0.0	13400.0
5669.	bddmlpe+Cc4h7-1=bddmlpe3+c4h8	4.00E+11	0.0	16800.0
5670.	bddmlpe+Cc4h7-1=dm2mylpe+c4h8	5.00E+11	0.0	18000.0
5671.	bddmlpe+M=bddmlpe1+h+M	1.50E+17	0.0	96560.0

5672.	bddmlpe+o2=bddmlpe1+ho2	2.00E+13	0.0	61500.0
5673.	bddmlpe+oh=bddmlpe1+h2o	1.00E+13	0.0	5936.0
5674.	bddmlpe+o=bddmlpe1+oh	1.20E+11	0.7	7633.0
5675.	bddmlpe+h=bddmlpe1+h2	5.00E+13	0.0	15000.0
5676.	bddmlpe+ch3=bddmlpe1+ch4	4.50E+12	0.0	11128.0
5677.	bddmlpe+c2h3=bddmlpe1+c2h4	4.50E+12	0.0	16000.0
5678.	bddmlpe+ac3h5=bddmlpe1+c3h6	4.50E+12	0.0	16000.0
5679.	bddmlpe1+o2=>ch3co+ic4h9+hco	4.00E+12	0.0	-250.0
5680.	bddm2pe=bme2pe4+ch3	1.00E+16	0.0	71000.0
5681.	bddm2pe=bddm2pe1+h	1.00E+16	0.0	82600.0
5682.	bddm2pe=bddm3pe2+h	1.00E+16	0.0	77400.0
5683.	bddm2pe+o2=bddm2pe1+ho2	1.25E+13	0.0	28560.0
5684.	bddm2pe+o2=bddm3pe2+ho2	2.00E+13	0.0	27800.0
5685.	bddm2pe+ho2=bddm2pe1+h2o2	8.00E+11	0.0	19400.0
5686.	bddm2pe+ho2=bddm3pe2+h2o2	2.16E+12	0.0	14400.0
5687.	bddm2pe+ho2=>oc7h14+oh	1.00E+12	0.0	14964.0
5688.	oc7h14=>aceton+ic4h8	6.00E+13	0.0	57200.0
5689.	bddm2pe+oh=bddm2pe1+h2o	5.25E+09	1.0	1590.0
5690.	bddm2pe+oh=bddm3pe2+h2o	5.73E+10	0.5	63.0
5691.	bddm2pe+oh=>aceton+c3h6+ch3	7.00E+11	0.0	-928.0
5692.	bddm2pe+o=bddm2pe1+oh	2.20E+06	2.4	5500.0
5693.	bddm2pe+o=bddm3pe2+oh	1.10E+13	0.0	3280.0
5694.	bddm2pe+o=>aceton+ic4h8	1.00E+08	1.4	530.0
5695.	bddm2pe+o=>c3h6+ic3h7+hco	1.00E+08	1.4	530.0
5696.	bddm2pe+h=bddm2pe1+h2	2.80E+07	2.0	7700.0
5697.	bddm2pe+h=bddm3pe2+h2	1.26E+14	0.0	7303.0
5698.	bddm2pe+ch3=bddm2pe1+ch4	6.50E+11	0.0	11600.0
5699.	bddm2pe+ch3=bddm3pe2+ch4	1.00E+11	0.0	7900.0
5700.	bddm2pe+c2h3=bddm2pe1+c2h4	5.00E+11	0.0	18000.0
5701.	bddm2pe+c2h3=bddm3pe2+c2h4	2.00E+11	0.0	14300.0
5702.	bddm2pe+c2h5=bddm2pe1+c2h6	5.00E+10	0.0	13400.0
5703.	bddm2pe+c2h5=bddm3pe2+c2h6	1.00E+11	0.0	7900.0
5704.	bddm2pe+Cc4h7-1=bddm2pe1+c4h8	5.00E+11	0.0	18000.0
5705.	bddm2pe+Cc4h7-1=bddm3pe2+c4h8	2.00E+11	0.0	14300.0
5706.	bddm2pe=bddm2pe3+h	7.50E+16	0.0	96560.0
5707.	bddm2pe+o2=bddm2pe3+ho2	1.00E+13	0.0	55100.0
5708.	bddm2pe+oh=bddm2pe3+h2o	5.00E+12	0.0	5936.0
5709.	bddm2pe+o=bddm2pe3+oh	6.00E+10	0.7	7633.0
5710.	bddm2pe+h=bddm2pe3+h2	2.50E+13	0.0	15000.0
5711.	bddm2pe+ch3=bddm2pe3+ch4	2.30E+12	0.0	11128.0
5712.	bddm2pe+c2h3=bddm2pe3+c2h4	2.30E+12	0.0	16000.0
5713.	bddm2pe+ac3h5=bddm2pe3+c3h6	2.30E+12	0.0	16000.0
5714.	bddm2pe3+o2=>bmepryl+aceton	4.00E+12	0.0	-250.0
5715.	dddmlpe=ac3h5+tc4h9	1.00E+16	0.0	71000.0
5716.	dddmlpe=nec5h11+c2h3	1.00E+16	0.0	71000.0
5717.	dddmlpe=dddmlpe3+h	1.26E+15	0.0	82400.0
5718.	dddmlpe+o2=dddmlpe3+ho2	2.00E+13	0.0	33140.0
5719.	dddmlpe+ho2=dddmlpe3+h2o2	2.44E+12	0.0	17000.0
5720.	dddmlpe+ho2=>oc7h14+oh	1.00E+12	0.0	14964.0
5721.	dddmlpe+oh=dddmlpe3+h2o	4.70E+07	1.6	-35.0
5722.	bddm2pe+oh=>ch2o+c2h4+tc4h9	7.00E+11	0.0	-928.0
5723.	dddmlpe+o=dddmlpe3+oh	4.70E+05	2.5	2230.0
5724.	dddmlpe+o=c2h3+tc4h9+ch2o	1.00E+08	1.4	530.0
5725.	dddmlpe+o=c2h4+tc4h9+hco	1.00E+08	1.4	530.0
5726.	dddmlpe+h=dddmlpe3+h2	9.10E+06	2.0	5000.0
5727.	dddmlpe+ch3=dddmlpe3+ch4	4.00E+11	0.0	9500.0
5728.	dddmlpe+c2h3=dddmlpe3+c2h4	4.00E+11	0.0	16800.0
5729.	dddmlpe+c2h5=dddmlpe3+c2h6	5.00E+10	0.0	13400.0
5730.	dddmlpe+ac3h5=dddmlpe3+c3h6	4.00E+11	0.0	16800.0
5731.	dddmlpe+ic4h7=dddmlpe3+ic4h8	4.00E+11	0.0	16800.0
5732.	dddmlpe+Cc4h7-1=dddmlpe3+c4h8	4.00E+11	0.0	16800.0



5733.	dddmlpe+M=dddmlpe2+h+M	2.00E+17	0.0	96560.0
5734.	dddmlpe+o2=dddmlpe2+ho2	2.70E+13	0.0	60800.0
5735.	dddmlpe+oh=dddmlpe2+h2o	1.40E+13	0.0	5936.0
5736.	dddmlpe+o=dddmlpe2+oh	1.60E+11	0.7	7633.0
5737.	dddmlpe+h=dddmlpe2+h2	7.00E+13	0.0	15000.0
5738.	dddmlpe+ch3=dddmlpe2+ch4	6.00E+12	0.0	11128.0
5739.	dddmlpe+c2h3=dddmlpe2+c2h4	6.00E+12	0.0	16000.0
5740.	dddmlpe+ac3h5=dddmlpe2+c3h6	6.00E+12	0.0	16000.0
5741.	dddmlpe2+o2=>nec5h11+hco+hco	4.00E+12	0.0	-250.0
5742.	ddd2pe=tc4h9+sc3h5	1.00E+16	0.0	71000.0
5743.	ddd2pe=ddd2pe1+h	5.00E+16	0.0	80000.0
5744.	ddd2pe+o2=ddd2pe1+ho2	1.25E+13	0.0	34660.0
5745.	ddd2pe+ho2=ddd2pe1+h2o2	4.80E+12	0.0	38500.0
5746.	ddd2pe+ho2=>oc7h14+oh	1.00E+12	0.0	14964.0
5747.	oc7h14=>tc4h9+c2h4+hco	6.00E+13	0.0	57200.0
5748.	oc7h14=>tc4h9+c2h3+ch2o	6.00E+13	0.0	57200.0
5749.	oc7h14=>nec5h11+ch2hco	6.00E+13	0.0	57200.0
5750.	ddd2pe+oh=ddd2pe1+h2o	5.25E+09	1.0	1590.0
5751.	ddd2pe+oh=>nec5h11+ch3hco	7.00E+11	0.0	-928.0
5752.	ddd2pe+o=ddd2pe1+oh	2.20E+06	2.4	5500.0
5753.	ddd2pe+o=c2h4+tc4h9+hco	1.00E+08	1.4	530.0
5754.	ddd2pe+o=ch3hco+ic4h7+ch3	1.00E+08	1.4	530.0
5755.	ddd2pe+o=nec5h11+ch2hco	1.00E+08	1.4	530.0
5756.	ddd2pe+h=ddd2pe1+h2	2.80E+07	2.0	7700.0
5757.	ddd2pe+ch3=ddd2pe1+ch4	6.50E+11	0.0	11600.0
5758.	ddd2pe+c2h3=ddd2pe1+c2h4	5.00E+11	0.0	18000.0
5759.	ddd2pe+c2h5=ddd2pe1+c2h6	5.00E+10	0.0	13400.0
5760.	ddd2pe+ac3h5=ddd2pe1+c3h6	5.00E+11	0.0	18000.0
5761.	ddd2pe+ic4h7=ddd2pe1+ic4h8	5.00E+11	0.0	18000.0
5762.	ddd2pe+Cc4h7-1=ddd2pe1+c4h8	5.00E+11	0.0	18000.0
5763.	ddd2pe+M=ddd2pe2+h+M	1.50E+17	0.0	96560.0
5764.	ddd2pe+o2=ddd2pe2+ho2	2.00E+13	0.0	55500.0
5765.	ddd2pe+oh=ddd2pe2+h2o	1.00E+13	0.0	5936.0
5766.	ddd2pe+o=ddd2pe2+oh	1.20E+11	0.7	7633.0
5767.	ddd2pe+h=ddd2pe2+h2	5.00E+13	0.0	15000.0
5768.	ddd2pe+ch3=ddd2pe2+ch4	4.50E+12	0.0	11128.0
5769.	ddd2pe+c2h3=ddd2pe2+c2h4	4.50E+12	0.0	16000.0
5770.	ddd2pe+ac3h5=ddd2pe2+c3h6	4.50E+12	0.0	16000.0
5771.	ddd2pe2+o2=>ch3co+tc4h9+hco	4.00E+12	0.0	-250.0
5772.	ddd2pe2+o2=>ch3hco+tc4h9+co	4.00E+12	0.0	-250.0
5773.	ddd2pe1+ho2=>acrol+tc4h9+oh	7.50E+11	0.0	0.0
5774.	dddmlpe2=tc4h9+ac3h4	2.50E+13	0.0	45300.0
5775.	bddmlpe3=>tc3h5+sc3h5+ch3	2.50E+13	0.0	45300.0
5776.	dddmlpe3+ho2=>metacrol+ic3h7+oh	7.50E+11	0.0	0.0
5777.	bme2pe4=>ic4h7+c2h3+h	2.50E+13	0.0	45300.0
5778.	bme2pe4+ho2=>ic4h7+ch3hco+oh	7.50E+11	0.0	0.0
5779.	dddmlpe3=ic4h7+c2h3+ch3	2.50E+13	0.0	45300.0
5780.	dddmlpe3+ho2=>acrol+tc4h9+oh	7.50E+11	0.0	0.0
5781.	dm2mylpe=ic4h9+ac3h4	2.50E+13	0.0	45300.0
5782.	dm2mylpe+ho2=>metacrol+ic3h7+oh	7.50E+11	0.0	0.0
5783.	bddm3pe2=ic3h7+c3h3+ch3	2.50E+13	0.0	45300.0
5784.	bddm2pe1+ho2=>metacrol+ic3h7+oh	7.50E+11	0.0	0.0
5785.	bddm3pe2+ho2=>aceton+ic4h7+oh	7.50E+11	0.0	0.0
5786.	bddm2pe3+ho2=>aceton+ic4h7+oh	7.50E+11	0.0	0.0
5787.	dddmlpe2+ho2=>nec5h11+ch2co+oh	7.50E+11	0.0	0.0
5788.	ddd2pe2+ho2=>acrol+tc4h9+oh	7.50E+11	0.0	0.0
5789.	dddmlpe+h=nec5h11+c2h4	7.23E+12	0.0	1302.0
5790.	bddmlpe+h=ic4h9+c3h6	7.23E+12	0.0	1302.0
5791.	bddm2pe+h=ic3h7+ic4h8	7.23E+12	0.0	1302.0
5792.	ddd2pe+h=tc4h9+c3h6	7.23E+12	0.0	1302.0
5793.	hxol=h+hxol1j	6.00E+15	0.0	95000.0

5794.	hxol=h+hxol2j	6.00E+15	0.0	98706.0
5795.	hxol=h+hxol3j	6.00E+15	0.0	98706.0
5796.	hxol=h+hxol4j	6.00E+15	0.0	98706.0
5797.	hxol=h+hxol5j	6.00E+15	0.0	98706.0
5798.	hxol=h+hxol6j	9.00E+15	0.0	100906.0
5799.	hxol=h+c6h13ojA	5.60E+13	0.0	103980.5
5800.	hxol=Ac6h13+oh	4.20E+15	0.0	94164.8
5801.	hxol=Ac5h11+ch2oh	2.30E+16	0.0	86239.6
5802.	hxol=nc3h7+ch2ch2ch2oh	3.80E+16	0.0	85856.1
5803.	hxol=pc4h9+pc2h4oh	1.00E+17	0.0	87176.5
5804.	hxol=c2h5+b1ol4j	2.60E+16	0.0	86538.8
5805.	hxol=ch3+pe1ol5j	4.90E+16	0.0	88409.1
5806.	hxol+o2=ho2+hxol1j	1.40E+10	0.0	45935.0
5807.	hxol+o2=ho2+hxol2j	1.40E+10	0.0	49097.5
5808.	hxol+o2=ho2+hxol3j	1.40E+10	0.0	49097.5
5809.	hxol+o2=ho2+hxol4j	1.40E+10	0.0	49097.5
5810.	hxol+o2=ho2+hxol5j	1.40E+10	0.0	49097.5
5811.	hxol+o2=ho2+hxol6j	2.10E+10	0.0	51296.5
5812.	hxol+o=oh+c6h13ojA	1.46E-03	4.7	1726.9
5813.	hxol+o=oh+hxol1j	1.45E+05	2.5	876.4
5814.	hxol+o=oh+hxol6j	5.10E+13	0.0	7850.0
5815.	hxol+o=oh+hxol5j	2.60E+13	0.0	5200.0
5816.	hxol+o=oh+hxol4j	2.60E+13	0.0	5200.0
5817.	hxol+o=oh+hxol3j	2.60E+13	0.0	5200.0
5818.	hxol+o=oh+hxol2j	2.60E+13	0.0	5200.0
5819.	hxol+h=h2+c6h13ojA	5.53E-23	10.6	-4459.0
5820.	hxol+h=h2+hxol1j	1.79E+05	2.5	3420.0
5821.	hxol+h=h2+hxol6j	2.90E+07	2.0	7700.0
5822.	hxol+h=h2+hxol2j	9.00E+06	2.0	5000.0
5823.	hxol+h=h2+hxol5j	1.30E+06	2.4	4471.0
5824.	hxol+h=h2+hxol4j	1.30E+06	2.4	4471.0
5825.	hxol+h=h2+hxol3j	1.30E+06	2.4	4471.0
5826.	hxol+oh=h2o+c6h13ojA	2.81E+02	3.0	-580.3
5827.	hxol+oh=h2o+hxol1j	1.31E+05	2.4	-1456.6
5828.	hxol+oh=h2o+hxol6j	5.25E+09	1.0	1590.0
5829.	hxol+oh=h2o+hxol5j	4.68E+07	1.6	-35.0
5830.	hxol+oh=h2o+hxol4j	4.68E+07	1.6	-35.0
5831.	hxol+oh=h2o+hxol3j	4.68E+07	1.6	-35.0
5832.	hxol+oh=h2o+hxol2j	4.68E+07	1.6	-35.0
5833.	hxol+ho2=h2o2+hxol1j	8.20E+03	2.5	10750.0
5834.	hxol+ho2=h2o2+c6h13ojA	2.50E+12	0.0	24000.0
5835.	hxol+ho2=h2o2+hxol6j	6.00E+11	0.0	17000.0
5836.	hxol+ho2=h2o2+hxol5j	4.00E+11	0.0	15500.0
5837.	hxol+ho2=h2o2+hxol4j	4.00E+11	0.0	15500.0
5838.	hxol+ho2=h2o2+hxol3j	4.00E+11	0.0	15500.0
5839.	hxol+ho2=h2o2+hxol2j	4.00E+11	0.0	15500.0
5840.	hxol+ch3=ch4+c6h13ojA	2.04E+00	3.6	7722.3
5841.	hxol+ch3=ch4+hxol1j	1.99E+01	3.4	7634.8
5842.	hxol+ch3=ch4+hxol6j	3.00E-01	4.0	8200.0
5843.	hxol+ch3=ch4+hxol5j	2.00E+11	0.0	9600.0
5844.	hxol+ch3=ch4+hxol4j	2.00E+11	0.0	9600.0
5845.	hxol+ch3=ch4+hxol3j	2.00E+11	0.0	9600.0
5846.	hxol+ch3=ch4+hxol2j	2.00E+11	0.0	9600.0
5847.	hxol+hco=ch2o+hxol1j	1.00E+07	1.9	17000.0
5848.	hxol+hco=ch2o+c6h13ojA	3.40E+04	2.5	13500.0
5849.	hxol+hco=ch2o+hxol6j	1.00E+05	2.5	18500.0
5850.	hxol+hco=ch2o+hxol5j	1.00E+07	1.9	17000.0
5851.	hxol+hco=ch2o+hxol4j	1.00E+07	1.9	17000.0
5852.	hxol+hco=ch2o+hxol3j	1.00E+07	1.9	17000.0
5853.	hxol+hco=ch2o+hxol2j	1.00E+07	1.9	17000.0
5854.	hxol+ch2oh=ch3oh+hxol1j	6.00E+01	3.0	12000.0

5855.	hxol+ch2oh=ch3oh+c6h13ojA	1.20E+02	2.8	10800.0
5856.	hxol+ch2oh=ch3oh+hxol6j	9.90E+01	3.0	14000.0
5857.	hxol+ch2oh=ch3oh+hxol5j	6.00E+01	3.0	12000.0
5858.	hxol+ch2oh=ch3oh+hxol4j	6.00E+01	3.0	12000.0
5859.	hxol+ch2oh=ch3oh+hxol3j	6.00E+01	3.0	12000.0
5860.	hxol+ch2oh=ch3oh+hxol2j	6.00E+01	3.0	12000.0
5861.	hxol+ch3o=ch3oh+hxol1j	1.50E+11	0.0	4500.0
5862.	hxol+ch3o=ch3oh+c6h13ojA	2.30E+10	0.0	2900.0
5863.	hxol+ch3o=ch3oh+hxol6j	1.60E+11	0.0	7300.0
5864.	hxol+ch3o=ch3oh+hxol5j	1.50E+11	0.0	4500.0
5865.	hxol+ch3o=ch3oh+hxol4j	1.50E+11	0.0	4500.0
5866.	hxol+ch3o=ch3oh+hxol3j	1.50E+11	0.0	4500.0
5867.	hxol+ch3o=ch3oh+hxol2j	1.50E+11	0.0	4500.0
5868.	hxol+ch3o2=ch3o2h+hxol1j	3.00E+12	0.0	17500.0
5869.	hxol+ch3o2=ch3o2h+c6h13ojA	1.50E+12	0.0	15000.0
5870.	hxol+ch3o2=ch3o2h+hxol6j	6.00E+12	0.0	20000.0
5871.	hxol+ch3o2=ch3o2h+hxol5j	3.00E+12	0.0	17500.0
5872.	hxol+ch3o2=ch3o2h+hxol4j	3.00E+12	0.0	17500.0
5873.	hxol+ch3o2=ch3o2h+hxol3j	3.00E+12	0.0	17500.0
5874.	hxol+ch3o2=ch3o2h+hxol2j	3.00E+12	0.0	17500.0
5875.	hxol+c2h5=c2h6+hxol1j	2.00E+11	0.0	11000.0
5876.	hxol+c2h5=c2h6+c6h13ojA	1.00E+11	0.0	9200.0
5877.	hxol+c2h5=c2h6+hxol6j	3.00E+11	0.0	13500.0
5878.	hxol+c2h5=c2h6+hxol5j	2.00E+11	0.0	11000.0
5879.	hxol+c2h5=c2h6+hxol4j	2.00E+11	0.0	11000.0
5880.	hxol+c2h5=c2h6+hxol3j	2.00E+11	0.0	11000.0
5881.	hxol+c2h5=c2h6+hxol2j	2.00E+11	0.0	11000.0
5882.	hxol1j=hxol4j	3.60E+08	1.1	20372.7
	Reverse Arrhenius coefficients:	9.02E+08	0.9	17627.9
5883.	hxol1j=hxol5j	9.65E+07	1.0	15138.0
	Reverse Arrhenius coefficients:	1.02E+08	1.0	12262.0
5884.	hxol1j=hxol6j	1.97E+07	1.0	21275.8
	Reverse Arrhenius coefficients:	3.17E+07	1.0	16924.4
5885.	hxol6j=hxol3j	4.57E+08	1.0	18196.5
	Reverse Arrhenius coefficients:	1.08E+09	1.0	19803.7
5886.	hxol6j=hxol2j	7.93E+07	1.0	12896.5
	Reverse Arrhenius coefficients:	1.85E+08	1.0	14503.7
5887.	hxol5j=hxol2j	3.70E+08	1.1	18934.1
	Reverse Arrhenius coefficients:	8.79E+08	0.9	19065.9
5888.	hxol1j=ch3hco+pc4h9	2.00E+13	0.0	28700.0
5889.	hxol6j=b1o14j+c2h4	2.00E+13	0.0	28700.0
5890.	hxol5j=ch2ch2ch2oh+c3h6	2.00E+13	0.0	28700.0
5891.	hxol4j=ch3+pe1o14e	2.00E+13	0.0	31000.0
5892.	hxol3j=c2h5+b1o13e	2.00E+13	0.0	28700.0
5893.	hxol3j=ch2oh+c5h10	2.00E+13	0.0	28700.0
5894.	hxol2j=nc3h7+c2h3ch2oh	2.00E+13	0.0	28700.0
5895.	oh+c6h12-1=hxol2j	9.93E+11	0.0	-960.0
5896.	c6h13ojA+m=c5h11hco+h+m	1.16E+35	-5.9	25274.0
5897.	hxol1j+m=c5h11hco+h+m	1.00E+14	0.0	25000.0
5898.	hxol2j=hxol2e+h	1.20E+13	0.0	35602.0
5899.	hxol2j=c5h11hco+h	1.20E+13	0.0	37412.1
5900.	hxol3j=hxol3e+h	1.20E+13	0.0	34252.1
5901.	hxol3j=hxol2e+h	1.20E+13	0.0	37412.1
5902.	hxol4j=hxol4e+h	1.20E+13	0.0	34322.1
5903.	hxol4j=hxol3e+h	1.20E+13	0.0	34252.1
5904.	hxol5j=hxol4e+h	1.20E+13	0.0	34322.1
5905.	hxol5j=hxol5e+h	1.80E+13	0.0	37082.1
5906.	hxol6j=hxol5e+h	1.20E+13	0.0	34882.3
5907.	hxol1j+o2=c5h11hco+ho2	1.00E+13	0.0	5564.0
5908.	c6h13ojA+o2=c5h11hco+ho2	4.00E+10	0.0	1100.0
5909.	hxol6j+o2=hxol5e+ho2	1.80E+10	0.0	-2000.0

5910.	hxol5j+o2=hxol4e+ho2	1.80E+10	0.0	-2000.0
5911.	hxol5j+o2=hxol5e+ho2	1.80E+10	0.0	-2000.0
5912.	hxol4j+o2=hxol4e+ho2	1.80E+10	0.0	-2000.0
5913.	hxol4j+o2=hxol3e+ho2	1.80E+10	0.0	-2000.0
5914.	hxol3j+o2=hxol3e+ho2	1.80E+10	0.0	-2000.0
5915.	hxol3j+o2=hxol2e+ho2	1.80E+10	0.0	-2000.0
5916.	hxol2j+o2=hxol2e+ho2	1.80E+10	0.0	-2000.0
5917.	hxol2j+o2=c5h11hco+ho2	1.80E+10	0.0	-2000.0
5918.	c6h13ojA+co=co2+Ac6h13	4.68E+02	3.2	5380.0
5919.	c6h13ojA+h=ch2oh+Ac5h11	3.00E+13	0.0	0.0
5920.	c6h13ojA+oh=c5h11hco+h2o	1.00E+13	0.0	0.0
5921.	hxol1j+ho2=c5h11hco+h2o2	4.00E+13	0.0	0.0
5922.	hxol1j+oh=c5h11hco+h2o	5.00E+12	0.0	0.0
5923.	hxol1j+o=c5h11hco+oh	1.00E+14	0.0	0.0
5924.	hxol5e+oh=hxol4e6j+h2o	3.10E+06	2.0	-300.0
5925.	hxol5e+o=hxol4e6j+oh	4.00E+13	0.0	4000.0
5926.	hxol5e+h=hxol4e6j+h2	6.55E+12	0.0	4445.0
5927.	hxol5e+ch3=hxol4e6j+ch4	2.00E+11	0.0	6800.0
5928.	hxol5e+ho2=hxol4e6j+h2o2	1.00E+11	0.0	17060.0
5929.	hxol5e+oh=ch2o+pe1o15j	1.00E+11	0.0	-4000.0
5930.	hxol5e+o=hco+pe1o15j	1.00E+11	0.0	-1050.0
5931.	hxol5e=ac3h5+ch2ch2ch2oh	8.00E+15	0.0	66425.0
5932.	hxol5e=Dc4h7-1+pc2h4oh	1.00E+17	0.0	86270.0
5933.	hxol5e=Ec5h9-1+ch2oh	1.00E+17	0.0	84640.0
5934.	hxol5e+oh=hxol5e1j+h2o	1.31E+05	2.4	-1456.6
5935.	hxol5e+o=hxol5e1j+oh	1.45E+05	2.5	876.4
5936.	hxol5e+h=hxol5e1j+h2	1.79E+05	2.5	3420.0
5937.	hxol5e+ch3=hxol5e1j+ch4	1.99E+01	3.4	7634.8
5938.	hxol5e+ho2=hxol5e1j+h2o2	8.20E+03	2.5	10750.0
5939.	hxol4e+oh=hxol4e6j+h2o	4.19E+06	2.0	-543.0
5940.	hxol4e+o=hxol4e6j+oh	4.00E+13	0.0	4000.0
5941.	hxol4e+h=hxol4e6j+h2	6.55E+12	0.0	4445.0
5942.	hxol4e+ch3=hxol4e6j+ch4	2.00E+11	0.0	6800.0
5943.	hxol4e+ho2=hxol4e6j+h2o2	1.00E+11	0.0	17060.0
5944.	hxol4e+oh=hxol3e5j+h2o	4.19E+06	2.0	-543.0
5945.	hxol4e+o=hxol3e5j+oh	4.00E+13	0.0	4000.0
5946.	hxol4e+h=hxol3e5j+h2	6.55E+12	0.0	4445.0
5947.	hxol4e+ch3=hxol3e5j+ch4	2.00E+11	0.0	6800.0
5948.	hxol4e+ho2=hxol3e5j+h2o2	1.00E+11	0.0	17060.0
5949.	hxol4e+oh=ch3hco+b1o14j	1.00E+11	0.0	-4000.0
5950.	hxol4e+o=ch2hco+b1o14j	1.00E+11	0.0	-1050.0
5951.	hxol4e+oh=c2h5+b1*o4o1	1.00E+11	0.0	-4000.0
5952.	hxol4e+o=c2h5+b1j*o4o1	1.00E+11	0.0	-1050.0
5953.	hxol4e=Cc4h7-1+pc2h4oh	8.00E+15	0.0	70550.0
5954.	hxol4e=Ec5h9-2+ch2oh	1.00E+17	0.0	84570.0
5955.	hxol4e+oh=hxol4e1j+h2o	1.31E+05	2.4	-1456.6
5956.	hxol4e+o=hxol4e1j+oh	1.45E+05	2.5	876.4
5957.	hxol4e+h=hxol4e1j+h2	1.79E+05	2.5	3420.0
5958.	hxol4e+ch3=hxol4e1j+ch4	1.99E+01	3.4	7634.8
5959.	hxol4e+ho2=hxol4e1j+h2o2	8.20E+03	2.5	10750.0
5960.	hxol3e+oh=hxol2e4j+h2o	4.19E+06	2.0	-543.0
5961.	hxol3e+o=hxol2e4j+oh	4.00E+13	0.0	4000.0
5962.	hxol3e+h=hxol2e4j+h2	6.55E+12	0.0	4445.0
5963.	hxol3e+ch3=hxol2e4j+ch4	2.00E+11	0.0	6800.0
5964.	hxol3e+ho2=hxol2e4j+h2o2	1.00E+11	0.0	17060.0
5965.	hxol3e+oh=hxol3e5j+h2o	4.19E+06	2.0	-543.0
5966.	hxol3e+o=hxol3e5j+oh	4.00E+13	0.0	4000.0
5967.	hxol3e+h=hxol3e5j+h2	6.55E+12	0.0	4445.0
5968.	hxol3e+ch3=hxol3e5j+ch4	2.00E+11	0.0	6800.0
5969.	hxol3e+ho2=hxol3e5j+h2o2	1.00E+11	0.0	17060.0
5970.	hxol3e+oh=ethco+ch2ch2ch2oh	1.00E+11	0.0	-4000.0

5971.	hxol3e+o=c2h5co+ch2ch2ch2oh	1.00E+11	0.0	-1050.0
5972.	hxol3e+oh=nc3h7+hoc2h4hco	1.00E+11	0.0	-4000.0
5973.	hxol3e+o=nc3h7+hoc2h4co	1.00E+11	0.0	-1050.0
5974.	hxol3e=Cc5h9-1+ch2oh	8.00E+15	0.0	71400.0
5975.	hxol3e+oh=hxol3elj+h2o	1.31E+05	2.4	-1456.6
5976.	hxol3e+o=hxol3elj+oh	1.45E+05	2.5	876.4
5977.	hxol3e+h=hxol3elj+h2	1.79E+05	2.5	3420.0
5978.	hxol3e+ch3=hxol3elj+ch4	1.99E+01	3.4	7634.8
5979.	hxol3e+ho2=hxol3elj+h2o2	8.20E+03	2.5	10750.0
5980.	hxol2e+oh=hxol2e4j+h2o	4.19E+06	2.0	-543.0
5981.	hxol2e+o=hxol2e4j+oh	4.00E+13	0.0	4000.0
5982.	hxol2e+h=hxol2e4j+h2	6.55E+12	0.0	4445.0
5983.	hxol2e+ch3=hxol2e4j+ch4	2.00E+11	0.0	6800.0
5984.	hxol2e+ho2=hxol2e4j+h2o2	1.00E+11	0.0	17060.0
5985.	hxol2e+oh=hxol2elj+h2o	1.31E+05	2.4	-1456.6
5986.	hxol2e+o=hxol2elj+oh	1.45E+05	2.5	876.4
5987.	hxol2e+h=hxol2elj+h2	1.79E+05	2.5	3420.0
5988.	hxol2e+ch3=hxol2elj+ch4	1.99E+01	3.4	7634.8
5989.	hxol2e+ho2=hxol2elj+h2o2	8.20E+03	2.5	10750.0
5990.	hxol2e+oh=nc3h7hco+pc2h4oh	1.00E+11	0.0	-4000.0
5991.	hxol2e+o=c3h7co+pc2h4oh	1.00E+11	0.0	-1050.0
5992.	hxol2e+oh=pc4h9+hoch2hco	1.00E+11	0.0	-4000.0
5993.	hxol2e+o=pc4h9+hoch2co	1.00E+11	0.0	-1050.0
5994.	hxol2e=c2h5+b1o12e4j	8.00E+15	0.0	67850.0
5995.	hxol2e=Cc6h11-1+oh	8.00E+15	0.0	78850.0
5996.	hxol5elj=ch3hco+Dc4h7-1	2.00E+13	0.0	28750.0
5997.	hxol5elj+m=c5h9hco-1+h+m	1.00E+14	0.0	25000.0
5998.	hxol5elj+o2=c5h9hco-1+ho2	1.00E+13	0.0	5564.0
5999.	hxol5elj+o=c5h9hco-1+oh	1.00E+14	0.0	0.0
6000.	hxol5elj+ho2=c5h9hco-1+2oh	4.00E+13	0.0	0.0
6001.	hxol5elj+oh=c5h9hco-1+h2o	5.00E+12	0.0	0.0
6002.	hxol4elj=ch3hco+Cc4h7-1	2.00E+13	0.0	13030.0
6003.	hxol4elj+m=c5h9hco-2+h+m	1.00E+14	0.0	25000.0
6004.	hxol4elj+o2=c5h9hco-2+ho2	1.00E+13	0.0	5564.0
6005.	hxol4elj+o=c5h9hco-2+oh	1.00E+14	0.0	0.0
6006.	hxol4elj+ho2=c5h9hco-2+2oh	4.00E+13	0.0	0.0
6007.	hxol4elj+oh=c5h9hco-2+h2o	5.00E+12	0.0	0.0
6008.	hxol3elj=ch3hco+Ac4h7-1	2.00E+13	0.0	41590.0
6009.	hxol3elj+m=c5h9hco-3+h+m	1.00E+14	0.0	25000.0
6010.	hxol3elj+o2=c5h9hco-3+ho2	1.00E+13	0.0	5564.0
6011.	hxol3elj+o=c5h9hco-3+oh	1.00E+14	0.0	0.0
6012.	hxol3elj+ho2=c5h9hco-3+2oh	4.00E+13	0.0	0.0
6013.	hxol3elj+oh=c5h9hco-3+h2o	5.00E+12	0.0	0.0
6014.	hxol4e6j=c4h6+pc2h4oh	2.00E+13	0.0	36400.0
6015.	hxol3e5j=c5h8-13+ch2oh	2.00E+13	0.0	29160.0
6016.	c6h10-13+oh=hxol2e4j	9.93E+11	0.0	-960.0
6017.	hxol2e4j=ch3+pe1o12e4e	2.00E+13	0.0	39090.0
6018.	c5h9hco-3+oh=h2o+c5h9co-3	2.69E+10	0.8	-340.0
6019.	c5h9hco-3+h=h2+c5h9co-3	4.00E+13	0.0	4200.0
6020.	c5h9hco-3+o=oh+c5h9co-3	5.00E+12	0.0	1790.0
6021.	c5h9hco-3+ch3=ch4+c5h9co-3	1.70E+12	0.0	8440.0
6022.	c5h9hco-3+ho2=h2o2+c5h9co-3	2.80E+12	0.0	13600.0
6023.	c5h9hco-2+oh=h2o+c5h9co-2	2.69E+10	0.8	-340.0
6024.	c5h9hco-2+h=h2+c5h9co-2	4.00E+13	0.0	4200.0
6025.	c5h9hco-2+o=oh+c5h9co-2	5.00E+12	0.0	1790.0
6026.	c5h9hco-2+ch3=ch4+c5h9co-2	1.70E+12	0.0	8440.0
6027.	c5h9hco-2+ho2=h2o2+c5h9co-2	2.80E+12	0.0	13600.0
6028.	c5h9hco-1+oh=h2o+c5h9co-1	2.69E+10	0.8	-340.0
6029.	c5h9hco-1+h=h2+c5h9co-1	4.00E+13	0.0	4200.0
6030.	c5h9hco-1+o=oh+c5h9co-1	5.00E+12	0.0	1790.0
6031.	c5h9hco-1+ch3=ch4+c5h9co-1	1.70E+12	0.0	8440.0

6032.	c5h9hco-1+ho2=h2o2+c5h9co-1	2.80E+12	0.0	13600.0
6033.	c5h9co-1=co+Ec5h9-1	8.64E+15	0.0	14400.0
6034.	c5h9co-2=co+Ec5h9-2	8.64E+15	0.0	14400.0
6035.	c5h9co-3=co+Cc5h9-1	8.64E+15	0.0	14400.0
6036.	Ec5h9-2=c2h4+sc3h5	4.00E+13	0.0	35060.0
6037.	Ec5h9-2+o2=c5h8-13+ho2	5.90E+05	0.0	0.0
6038.	Ec5h9-2=c5h8-13+h	1.20E+13	0.0	31600.0
6039.	pe1o15j=pe1o12j	5.70E+08	1.0	17300.0
6040.	pe1o15j=pe1o11j	9.90E+07	1.0	10000.0
6041.	pe1o11j=pe1o14j	5.70E+08	1.0	23300.0
6042.	pe1o15j=ch2ch2ch2oh+c2h4	2.00E+13	0.0	28700.0
6043.	oh+c5h10=pe1o12j	9.93E+11	0.0	-960.0
6044.	pe1o14j=c3h6+pc2h4oh	2.00E+13	0.0	28700.0
6045.	pe1o13j=ch2oh+c4h8	2.00E+13	0.0	28700.0
6046.	pe1o13j=ch3+b1o13e	2.00E+13	0.0	28700.0
6047.	pe1o12j=c2h5+c2h3ch2oh	2.00E+13	0.0	28700.0
6048.	pe1o11j=ch3hco+nc3h7	2.00E+13	0.0	28700.0
6049.	pe1o14e+oh=pe1o13e5j+h2o	4.19E+06	2.0	-543.0
6050.	pe1o14e+o=pe1o13e5j+oh	4.00E+13	0.0	4000.0
6051.	pe1o14e+h=pe1o13e5j+h2	6.55E+12	0.0	4445.0
6052.	pe1o14e+ch3=pe1o13e5j+ch4	2.00E+11	0.0	6800.0
6053.	pe1o14e+ho2=pe1o13e5j+h2o2	1.00E+11	0.0	17060.0
6054.	pe1o14e+oh=pe1jol4e+h2o	1.31E+05	2.4	-1456.6
6055.	pe1o14e+o=pe1jol4e+oh	1.45E+05	2.5	876.4
6056.	pe1o14e+h=pe1jol4e+h2	1.79E+05	2.5	3420.0
6057.	pe1o14e+ch3=pe1jol4e+ch4	1.99E+01	3.4	7634.8
6058.	pe1o14e+ho2=pe1jol4e+h2o2	8.20E+03	2.5	10750.0
6059.	pe1o14e+oh=ch2o+b1o14j	1.00E+11	0.0	-4000.0
6060.	pe1o14e+o=hco+b1o14j	1.00E+11	0.0	-1050.0
6061.	pe1o13e5j=c4h6+ch2oh	2.00E+13	0.0	34600.0
6062.	pe1jol4e=ch3hco+ac3h5	2.00E+13	0.0	13950.0
6063.	pe1jol4e+m=c4h7hco-1+h+m	1.00E+14	0.0	25000.0
6064.	pe1jol4e+o2=c4h7hco-1+ho2	1.00E+13	0.0	5564.0
6065.	pe1jol4e+o=c4h7hco-1+oh	1.00E+14	0.0	0.0
6066.	pe1jol4e+ho2=c4h7hco-1+2oh	4.00E+13	0.0	0.0
6067.	pe1jol4e+oh=c4h7hco-1+h2o	5.00E+12	0.0	0.0
6068.	pe1o12e4e+oh=pe1jol2e4e+h2o	4.19E+06	2.0	-543.0
6069.	pe1o12e4e+o=pe1jol2e4e+oh	4.00E+13	0.0	4000.0
6070.	pe1o12e4e+h=pe1jol2e4e+h2	6.55E+12	0.0	4445.0
6071.	pe1o12e4e+ch3=pe1jol2e4e+ch4	2.00E+11	0.0	6800.0
6072.	pe1o12e4e+ho2=pe1jol2e4e+h2o2	1.00E+11	0.0	17060.0
6073.	pe1jol2e4e=c4h6+hco	2.00E+13	0.0	23150.0
6074.	pe1jol2e4e+m=c4h5hco+h+m	1.00E+14	0.0	25000.0
6075.	pe1jol2e4e+o2=c4h5hco+ho2	1.00E+13	0.0	5564.0
6076.	pe1jol2e4e+o=c4h5hco+oh	1.00E+14	0.0	0.0
6077.	pe1jol2e4e+ho2=c4h5hco+2oh	4.00E+13	0.0	0.0
6078.	pe1jol2e4e+oh=c4h5hco+h2o	5.00E+12	0.0	0.0
6079.	c4h5hco+oh=h2o+c4h5co	2.69E+10	0.8	-340.0
6080.	c4h5hco+h=h2+c4h5co	4.00E+13	0.0	4200.0
6081.	c4h5hco+o=oh+c4h5co	5.00E+12	0.0	1790.0
6082.	c4h5hco+ch3=ch4+c4h5co	1.70E+12	0.0	8440.0
6083.	c4h5hco+ho2=h2o2+c4h5co	2.80E+12	0.0	13600.0
6084.	c4h5hco+o2=ho2+c4h5co	2.00E+13	0.5	42200.0
6085.	c4h5co+m=nc4h5+co+m	8.60E+15	0.0	23000.0
6086.	b1o1=h+b1o11j	6.00E+15	0.0	95000.0
6087.	b1o1=h+b1o12j	6.00E+15	0.0	98706.0
6088.	b1o1=h+b1o13j	6.00E+15	0.0	98706.0
6089.	b1o1=h+b1o14j	9.00E+15	0.0	100906.0
6090.	b1o1=h+c4h9o	6.30E+13	0.0	103234.0
6091.	b1o1=pc4h9+oh	4.90E+15	0.0	93374.0
6092.	b1o1=nc3h7+ch2oh	2.40E+16	0.0	85771.0

6093.	b1o1=ch3+ch2ch2ch2oh	7.10E+16	0.0	86221.0
6094.	b1o1=c2h5+pc2h4oh	5.00E+16	0.0	85771.0
6095.	b1o1+o2=ho2+b1o11j	1.40E+10	0.0	45935.0
6096.	b1o1+o2=ho2+b1o12j	1.40E+10	0.0	49097.5
6097.	b1o1+o2=ho2+b1o13j	1.40E+10	0.0	49097.5
6098.	b1o1+o2=ho2+b1o14j	2.10E+10	0.0	51296.5
6099.	b1o1+o=oh+c4h9o	1.00E+13	0.0	3280.0
6100.	b1o1+o=oh+b1o11j	2.60E+13	0.0	5200.0
6101.	b1o1+o=oh+b1o12j	2.60E+13	0.0	5200.0
6102.	b1o1+o=oh+b1o13j	2.60E+13	0.0	5200.0
6103.	b1o1+o=oh+b1o14j	5.10E+13	0.0	7850.0
6104.	b1o1+h=h2+c4h9o	5.53E-23	10.6	-4459.0
6105.	b1o1+h=h2+b1o11j	1.79E+05	2.5	3420.0
6106.	b1o1+h=h2+b1o12j	9.00E+06	2.0	5000.0
6107.	b1o1+h=h2+b1o13j	9.00E+06	2.0	5000.0
6108.	b1o1+h=h2+b1o14j	2.90E+07	2.0	7700.0
6109.	b1o1+oh=h2o+c4h9o	1.10E+06	2.0	-1865.0
6110.	b1o1+oh=h2o+b1o11j	2.60E+06	2.0	-765.0
6111.	b1o1+oh=h2o+b1o12j	2.60E+06	2.0	-765.0
6112.	b1o1+oh=h2o+b1o13j	2.60E+06	2.0	-765.0
6113.	b1o1+oh=h2o+b1o14j	2.70E+06	2.0	450.0
6114.	b1o1+ho2=h2o2+c4h9o	2.50E+12	0.0	24000.0
6115.	b1o1+ho2=h2o2+b1o11j	4.00E+11	0.0	16000.0
6116.	b1o1+ho2=h2o2+b1o12j	4.00E+11	0.0	16000.0
6117.	b1o1+ho2=h2o2+b1o13j	4.00E+11	0.0	16000.0
6118.	b1o1+ho2=h2o2+b1o14j	1.23E+04	2.5	15750.0
6119.	b1o1+ch3=ch4+c4h9o	1.00E+11	0.0	7900.0
6120.	b1o1+ch3=ch4+b1o11j	2.00E+11	0.0	9600.0
6121.	b1o1+ch3=ch4+b1o12j	2.00E+11	0.0	9600.0
6122.	b1o1+ch3=ch4+b1o13j	2.00E+11	0.0	9600.0
6123.	b1o1+ch3=ch4+b1o14j	3.00E-01	4.0	8200.0
6124.	b1o1+hco=ch2o+c4h9o	3.40E+04	2.5	13500.0
6125.	b1o1+hco=ch2o+b1o11j	1.00E+07	1.9	17000.0
6126.	b1o1+hco=ch2o+b1o12j	1.00E+07	1.9	17000.0
6127.	b1o1+hco=ch2o+b1o13j	1.00E+07	1.9	17000.0
6128.	b1o1+hco=ch2o+b1o14j	1.00E+05	2.5	18500.0
6129.	b1o1+c2h5=c2h6+c4h9o	1.00E+11	0.0	9200.0
6130.	b1o1+c2h5=c2h6+b1o11j	2.00E+11	0.0	11000.0
6131.	b1o1+c2h5=c2h6+b1o12j	2.00E+11	0.0	11000.0
6132.	b1o1+c2h5=c2h6+b1o13j	2.00E+11	0.0	11000.0
6133.	b1o1+c2h5=c2h6+b1o14j	3.00E+11	0.0	13500.0
6134.	b1o1+c2h3=c2h4+c4h9o	1.00E+11	0.0	7900.0
6135.	b1o1+c2h3=c2h4+b1o11j	2.00E+11	0.0	9600.0
6136.	b1o1+c2h3=c2h4+b1o12j	2.00E+11	0.0	9600.0
6137.	b1o1+c2h3=c2h4+b1o13j	2.00E+11	0.0	9600.0
6138.	b1o1+c2h3=c2h4+b1o14j	3.00E-01	4.0	8200.0
6139.	b1o1+ac3h5=c3h6+c4h9o	1.00E+11	0.0	9200.0
6140.	b1o1+ac3h5=c3h6+b1o11j	2.00E+11	0.0	11000.0
6141.	b1o1+ac3h5=c3h6+b1o12j	2.00E+11	0.0	11000.0
6142.	b1o1+ac3h5=c3h6+b1o13j	2.00E+11	0.0	11000.0
6143.	b1o1+ac3h5=c3h6+b1o14j	3.00E+11	0.0	13500.0
6144.	b1o11j=b1o13j	3.30E+09	1.0	43000.0
6145.	b1o11j=b1o14j	8.60E+08	1.0	26000.0
6146.	b1o14j=b1o12j	3.30E+09	1.0	37000.0
6147.	b1o13j=ch2oh+c3h6	2.00E+13	0.0	28700.0
6148.	b1o11j=ch3hco+c2h5	2.00E+13	0.0	28700.0
6149.	b1o14j=c2h4+pc2h4oh	2.00E+13	0.0	28700.0
6150.	b1o12j=ch3+c2h3ch2oh	2.00E+13	0.0	31000.0
6151.	c4h8+oh=b1o12j	1.29E+12	0.0	-817.0
6152.	c4h9o=ch2o+nc3h7	9.50E+13	0.0	16060.0
6153.	c4h9o=>h+nc3h7hco	3.00E+13	0.0	38000.0

6154.	b1o14j=>h+c4h7oh	3.00E+13	0.0	38000.0
6155.	b1o13j=>h+c4h7oh	6.00E+13	0.0	38000.0
6156.	b1o11j+o2=c4h7oh+ho2	1.30E+12	0.0	6000.0
6157.	b1o11j+o2=nc3h7hco+ho2	1.00E+13	0.0	5564.0
6158.	c4h9o+o2=nc3h7hco+ho2	4.00E+10	0.0	1100.0
6159.	b1o12j+o2=c4h7oh+ho2	1.30E+12	0.0	6000.0
6160.	b1o13j+o2=c4h7oh+ho2	1.30E+12	0.0	6000.0
6161.	b1o13j+o2=b1o13e+ho2	6.50E+11	0.0	6000.0
6162.	b1o14j+o2=b1o13e+ho2	1.30E+12	0.0	6000.0
6163.	c4h7oh=>oh+Cc4h7-1	1.00E+16	0.0	63374.0
6164.	b1*o4ol+oh=h2o+b1j*o4ol	2.69E+10	0.8	-340.0
6165.	b1*o4ol+h=h2+b1j*o4ol	4.00E+13	0.0	4200.0
6166.	b1*o4ol+o=oh+b1j*o4ol	5.00E+12	0.0	1790.0
6167.	b1*o4ol+ch3=ch4+b1j*o4ol	1.70E+12	0.0	8440.0
6168.	b1*o4ol+ho2=h2o2+b1j*o4ol	2.80E+12	0.0	13600.0
6169.	b1*o4ol+o2=ho2+b1j*o4ol	2.00E+13	0.5	42200.0
6170.	b1o13e+oh=b1o12e4j+h2o	4.19E+06	2.0	-543.0
6171.	b1o13e+o=b1o12e4j+oh	4.00E+13	0.0	4000.0
6172.	b1o13e+h=b1o12e4j+h2	6.55E+12	0.0	4445.0
6173.	b1o13e+ch3=b1o12e4j+ch4	2.00E+11	0.0	6800.0
6174.	b1o13e+ho2=b1o12e4j+h2o2	1.00E+11	0.0	17060.0
6175.	b1o13e+ch3o2=b1o12e4j+ch3o2h	2.20E+00	3.5	5675.0
6176.	b1o13e+oh=b1jol3e+h2o	1.31E+05	2.4	-1456.6
6177.	b1o13e+o=b1jol3e+oh	1.45E+05	2.5	876.4
6178.	b1o13e+h=b1jol3e+h2	1.79E+05	2.5	3420.0
6179.	b1o13e+ch3=b1jol3e+ch4	1.99E+01	3.4	7634.8
6180.	b1o13e+ho2=b1jol3e+h2o2	8.20E+03	2.5	10750.0
6181.	b1o13e+ch3o2=b1jol3e+ch3o2h	3.00E+12	0.0	17500.0
6182.	b1j*o4ol+m=ch2ch2ch2oh+co+m	8.60E+15	0.0	23000.0
6183.	c4h6+oh=b1o12e4j	9.93E+11	0.0	-960.0
6184.	b1o12e4j+o2=ac3h5hco+ho2	1.90E+12	0.0	5000.0
6185.	b1jol3e+ho2=ac3h5hco+2oh	4.00E+13	0.0	0.0
6186.	b1jol3e+oh=ac3h5hco+h2o	5.00E+12	0.0	0.0
6187.	b1jol3e+o=ac3h5hco+oh	1.00E+14	0.0	0.0
6188.	b1jol3e+o2=ac3h5hco+ho2	1.00E+13	0.0	5564.0
6189.	b1jol3e+m=ac3h5hco+h+m	1.00E+14	0.0	25000.0
6190.	ch2ch2ch2oh=ch2oh+c2h4	2.00E+13	0.0	28700.0
6191.	hoc2h4hco+oh=h2o+hoc2h4co	2.69E+10	0.8	-340.0
6192.	hoc2h4hco+h=h2+hoc2h4co	4.00E+13	0.0	4200.0
6193.	hoc2h4hco+o=oh+hoc2h4co	5.00E+12	0.0	1790.0
6194.	hoc2h4hco+ch3=ch4+hoc2h4co	1.70E+12	0.0	8440.0
6195.	hoc2h4hco+ho2=h2o2+hoc2h4co	2.80E+12	0.0	13600.0
6196.	hoc2h4hco+o2=ho2+hoc2h4co	2.00E+13	0.5	42200.0
6197.	hoc2h4co=co+pc2h4oh	2.00E+13	0.0	28700.0
6198.	c2h3ch2oh+oh=c2h3choh+h2o	1.31E+05	2.4	-1456.6
6199.	c2h3ch2oh+o=c2h3choh+oh	1.45E+05	2.5	876.4
6200.	c2h3ch2oh+h=c2h3choh+h2	1.79E+05	2.5	3420.0
6201.	c2h3ch2oh+ch3=c2h3choh+ch4	1.99E+01	3.4	7634.8
6202.	c2h3ch2oh+ho2=c2h3choh+h2o2	8.20E+03	2.5	10750.0
6203.	c2h3ch2oh+ch3o2=c2h3choh+ch3o2h	3.00E+12	0.0	17500.0
6204.	c2h3choh+ho2=acrol+2oh	4.00E+13	0.0	0.0
6205.	c2h3choh+oh=acrol+h2o	5.00E+12	0.0	0.0
6206.	c2h3choh+o=acrol+oh	1.00E+14	0.0	0.0
6207.	c2h3choh+o2=acrol+ho2	1.00E+13	0.0	5564.0
6208.	c2h3choh+m=acrol+h+m	1.00E+14	0.0	25000.0
6209.	hoch2hco+oh=h2o+hoch2co	2.69E+10	0.8	-340.0
6210.	hoch2hco+h=h2+hoch2co	4.00E+13	0.0	4200.0
6211.	hoch2hco+o=oh+hoch2co	5.00E+12	0.0	1790.0
6212.	hoch2hco+ch3=ch4+hoch2co	1.70E+12	0.0	8440.0
6213.	hoch2hco+ho2=h2o2+hoch2co	2.80E+12	0.0	13600.0
6214.	hoch2hco+o2=ho2+hoch2co	2.00E+13	0.5	42200.0



6215.	hoch2co=co+ch2oh	2.00E+13	0.0	28700.0
6216.	c2h3ch2oh=>ac3h5+oh	1.00E+16	0.0	63374.0
6217.	nc10h22+phch2=Ac10h21+toluen	7.94E+11	0.0	20500.0
6218.	nc10h22+phch2=Bc10h21+toluen	7.94E+11	0.0	16200.0
6219.	nc10h22+phch2=Cc10h21+toluen	7.94E+11	0.0	16200.0
6220.	nc10h22+phch2=Dc10h21+toluen	7.94E+11	0.0	16200.0
6221.	nc10h22+phch2=Ec10h21+toluen	7.94E+11	0.0	16200.0
6222.	nc10h22+c6h5=Ac10h21+c6h6	7.94E+11	0.0	20500.0
6223.	nc10h22+c6h5=Bc10h21+c6h6	7.94E+11	0.0	16200.0
6224.	nc10h22+c6h5=Cc10h21+c6h6	7.94E+11	0.0	16200.0
6225.	nc10h22+c6h5=Dc10h21+c6h6	7.94E+11	0.0	16200.0
6226.	nc10h22+c6h5=Ec10h21+c6h6	7.94E+11	0.0	16200.0
6227.	cyc6h12+Ac10h21=cyc6h11+nc10h22	4.52E-01	3.6	9141.0
	Reverse Arrhenius coefficients:	6.00E+11	0.0	13700.0
6228.	cyc6h12+Bc10h21=cyc6h11+nc10h22	4.52E-01	3.6	9141.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6229.	cyc6h12+Cc10h21=cyc6h11+nc10h22	4.52E-01	3.6	9141.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6230.	cyc6h12+Dc10h21=cyc6h11+nc10h22	4.52E-01	3.6	9141.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6231.	cyc6h12+Ec10h21=cyc6h11+nc10h22	4.52E-01	3.6	9141.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6232.	cyc6h10+Ac10h21=cyc6h9+nc10h22	2.00E+11	0.0	7300.0
	Reverse Arrhenius coefficients:	6.00E+11	0.0	13700.0
6233.	cyc6h10+Bc10h21=cyc6h9+nc10h22	2.00E+11	0.0	7300.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6234.	cyc6h10+Cc10h21=cyc6h9+nc10h22	2.00E+11	0.0	7300.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6235.	cyc6h10+Dc10h21=cyc6h9+nc10h22	2.00E+11	0.0	7300.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6236.	cyc6h10+Ec10h21=cyc6h9+nc10h22	2.00E+11	0.0	7300.0
	Reverse Arrhenius coefficients:	4.00E+11	0.0	11400.0
6237.	nc10h22+bbdtmpe1=ic8h18+Ac10h21	6.00E+11	0.0	13700.0
6238.	nc10h22+bbdtmpe1=ic8h18+Bc10h21	4.00E+11	0.0	11400.0
6239.	nc10h22+bbdtmpe1=ic8h18+Cc10h21	4.00E+11	0.0	11400.0
6240.	nc10h22+bbdtmpe1=ic8h18+Dc10h21	4.00E+11	0.0	11400.0
6241.	nc10h22+bbdtmpe1=ic8h18+Ec10h21	4.00E+11	0.0	11400.0
6242.	nc10h22+bbdtmpe3=ic8h18+Ac10h21	6.00E+11	0.0	13700.0
6243.	nc10h22+bbdtmpe3=ic8h18+Bc10h21	4.00E+11	0.0	11400.0
6244.	nc10h22+bbdtmpe3=ic8h18+Cc10h21	4.00E+11	0.0	11400.0
6245.	nc10h22+bbdtmpe3=ic8h18+Dc10h21	4.00E+11	0.0	11400.0
6246.	nc10h22+bbdtmpe3=ic8h18+Ec10h21	4.00E+11	0.0	11400.0
6247.	nc10h22+bbdtmpe2=ic8h18+Ac10h21	6.00E+11	0.0	13700.0
6248.	nc10h22+bbdtmpe2=ic8h18+Bc10h21	4.00E+11	0.0	11400.0
6249.	nc10h22+bbdtmpe2=ic8h18+Cc10h21	4.00E+11	0.0	11400.0
6250.	nc10h22+bbdtmpe2=ic8h18+Dc10h21	4.00E+11	0.0	11400.0
6251.	nc10h22+bbdtmpe2=ic8h18+Ec10h21	4.00E+11	0.0	11400.0
6252.	nc10h22+bbdtmpe1=ic8h18+Ac10h21	6.00E+11	0.0	13700.0
6253.	nc10h22+bbdtmpe1=ic8h18+Bc10h21	4.00E+11	0.0	11400.0
6254.	nc10h22+bbdtmpe1=ic8h18+Cc10h21	4.00E+11	0.0	11400.0
6255.	nc10h22+bbdtmpe1=ic8h18+Dc10h21	4.00E+11	0.0	11400.0
6256.	nc10h22+bbdtmpe1=ic8h18+Ec10h21	4.00E+11	0.0	11400.0
6257.	nc10h22+ic4h7=ic4h8+Ac10h21	2.00E+12	0.0	18000.0
6258.	nc10h22+ic4h7=ic4h8+Bc10h21	8.00E+11	0.0	16800.0
6259.	nc10h22+ic4h7=ic4h8+Cc10h21	8.00E+11	0.0	16800.0
6260.	nc10h22+ic4h7=ic4h8+Dc10h21	8.00E+11	0.0	16800.0
6261.	nc10h22+ic4h7=ic4h8+Ec10h21	8.00E+11	0.0	16800.0
6262.	nc3h7o2=nc3h7+o2	3.87E+18	-1.2	36080.0
	Reverse Arrhenius coefficients:	4.52E+12	0.0	0.0
6263.	ic3h7o2=ic3h7+o2	4.21E+16	-0.3	35910.0
	Reverse Arrhenius coefficients:	7.54E+12	0.0	0.0

6264.	ch3o2+nc3h7=ch3o+nc3h7o	1.90E+12	0.0	-1200.0
6265.	ic3h7o2+nc3h7=ic3h7o+nc3h7o	1.90E+12	0.0	-1200.0
6266.	nc3h7o2+nc3h7=nc3h7o+nc3h7o	1.90E+12	0.0	-1200.0
6267.	nc3h7+ho2=nc3h7o+oh	1.90E+12	0.0	-1200.0
6268.	ch3o2+ic3h7=ch3o+ic3h7o	1.90E+12	0.0	-1200.0
6269.	ic3h7o2+ic3h7=ic3h7o+ic3h7o	1.90E+12	0.0	-1200.0
6270.	nc3h7o2+ic3h7=nc3h7o+ic3h7o	1.90E+12	0.0	-1200.0
6271.	ic3h7+ho2=ic3h7o+oh	1.90E+12	0.0	-1200.0
6272.	ic3h7o2+acrol=c2h3co+ic3h7o2h	2.80E+12	0.0	13600.0
6273.	ic3h7o2+c2h4=c2h3+ic3h7o2h	1.13E+13	0.0	30430.0
6274.	ic3h7o2+ethco=ic3h7o2h+c2h5co	2.00E+11	0.0	9500.0
6275.	ic3h7o2+c2h6=ic3h7o2h+c2h5	1.70E+13	0.0	20460.0
6276.	ic3h7o2+ch2o=ic3h7o2h+hco	5.60E+12	0.0	13600.0
6277.	ic3h7o2+ch3hco=ic3h7o2h+ch3co	2.80E+12	0.0	13600.0
6278.	ic3h7o2+ch4=ch3+ic3h7o2h	1.12E+13	0.0	24640.0
6279.	ic3h7o2+h2=h+ic3h7o2h	3.01E+13	0.0	26030.0
6280.	ic3h7o2+ch3oh=ch2oh+ic3h7o2h	6.30E+12	0.0	19360.0
6281.	ic3h7o2+ho2=ic3h7o2h+o2	2.90E+11	0.0	1550.0
6282.	ic3h7o2+c2h5o2=ic3h7o+c2h5o+o2	5.00E+10	0.0	0.0
6283.	ic3h7o2+ic3h7o2=o2+ic3h7o+ic3h7o	5.00E+10	0.0	0.0
6284.	ic3h7o2+nc3h7o2=ic3h7o+nc3h7o+o2	5.00E+10	0.0	0.0
6285.	ic3h7o2+ch3o2=ic3h7o+ch3o+o2	1.00E+11	0.0	0.0
6286.	ic3h7o2+ho2=ic3h7o+oh+o2	1.00E+11	0.0	0.0
6287.	ic3h7o2+c2h5=ic3h7o+c2h5o	1.90E+12	0.0	-1200.0
6288.	ic3h7o2+ac3h5=ic3h7o+c3h5o	1.90E+12	0.0	-1200.0
6289.	ic3h7o2+ch3=ic3h7o+ch3o	1.90E+12	0.0	-1200.0
6290.	nc3h7o2+acrol=c2h3co+nc3h7o2h	2.80E+12	0.0	13600.0
6291.	nc3h7o2+c2h4=c2h3+nc3h7o2h	1.13E+13	0.0	30430.0
6292.	nc3h7o2+ethco=nc3h7o2h+c2h5co	2.00E+11	0.0	9500.0
6293.	nc3h7o2+c2h6=nc3h7o2h+c2h5	1.70E+13	0.0	20460.0
6294.	nc3h7o2+ch2o=nc3h7o2h+hco	5.60E+12	0.0	13600.0
6295.	nc3h7o2+ch3hco=nc3h7o2h+ch3co	2.80E+12	0.0	13600.0
6296.	nc3h7o2+ch4=ch3+nc3h7o2h	1.12E+13	0.0	24640.0
6297.	nc3h7o2+h2=h+nc3h7o2h	3.01E+13	0.0	26030.0
6298.	nc3h7o2+ch3oh=ch2oh+nc3h7o2h	6.30E+12	0.0	19360.0
6299.	nc3h7o2+ho2=nc3h7o2h+o2	2.90E+11	0.0	1550.0
6300.	nc3h7o2+c2h5o2=nc3h7o+c2h5o+o2	5.00E+10	0.0	0.0
6301.	nc3h7o2+nc3h7o2=o2+nc3h7o+nc3h7o	5.00E+10	0.0	0.0
6302.	nc3h7o2+ch3o2=nc3h7o+ch3o+o2	1.00E+11	0.0	0.0
6303.	nc3h7o2+ho2=nc3h7o+oh+o2	1.00E+11	0.0	0.0
6304.	nc3h7o2+c2h5=nc3h7o+c2h5o	1.90E+12	0.0	-1200.0
6305.	nc3h7o2+ac3h5=nc3h7o+c3h5o	1.90E+12	0.0	-1200.0
6306.	nc3h7o2+ch3=nc3h7o+ch3o	1.90E+12	0.0	-1200.0
6307.	nc3h7o2=c3h6ooh1-3	3.75E+10	0.0	24400.0
	Reverse Arrhenius coefficients:	5.31E+12	-0.6	11180.0
6308.	nc3h7o2=c3h6ooh1-2	2.00E+11	0.0	26850.0
	Reverse Arrhenius coefficients:	1.90E+12	-0.2	17650.0
6309.	ic3h7o2=c3h6ooh2-1	6.00E+11	0.0	29400.0
	Reverse Arrhenius coefficients:	1.70E+12	-0.5	14360.0
6310.	nc3h7o2h=nc3h7o+oh	8.06E+19	-1.5	47000.0
6311.	ic3h7o2h=ic3h7o+oh	8.42E+19	-1.4	46080.0
6312.	ho2+ic3h7=nc3h7o2h	4.80E+12	0.0	0.0
6313.	c3h6ooh1-2=c3h6o+oh	1.25E+15	-1.2	17580.0
	Reverse Arrhenius coefficients:	4.96E+08	1.0	29090.0
6314.	c3h6ooh1-3=c3h6o1-3+oh	4.31E+15	-1.3	18240.0
	Reverse Arrhenius coefficients:	1.19E+18	-1.5	33770.0
6315.	c3h6ooh2-1=c3h6o+oh	3.46E+16	-1.6	18870.0
	Reverse Arrhenius coefficients:	2.79E+17	-1.5	33090.0
6316.	c3h6ooh1-2=c3h6+ho2	7.33E+09	0.6	17860.0
	Reverse Arrhenius coefficients:	2.47E+04	2.1	12160.0
6317.	c3h6ooh2-1=c3h6+ho2	3.65E+12	0.1	20320.0

	Reverse Arrhenius coefficients:	7.74E+03	2.3	11080.0
6318.	c3h6ooh1-3=oh+ch2o+c2h4	1.16E+17	-1.1	32570.0
6319.	c3h6ooh1-2+o2=c3h6ooh1-2o2	7.54E+12	0.0	0.0
	Reverse Arrhenius coefficients:	2.70E+20	-1.5	37610.0
6320.	c3h6ooh1-3+o2=c3h6ooh1-3o2	4.52E+12	0.0	0.0
	Reverse Arrhenius coefficients:	1.21E+19	-1.3	35910.0
6321.	c3h6ooh2-1+o2=c3h6ooh2-1o2	4.52E+12	0.0	0.0
	Reverse Arrhenius coefficients:	8.00E+18	-1.3	35930.0
6322.	c3h6ooh1-2o2=c3ket12+oh	2.00E+11	0.0	26400.0
	Reverse Arrhenius coefficients:	1.42E+07	0.6	48360.0
6323.	c3h6ooh1-3o2=c3ket13+oh	2.50E+10	0.0	21400.0
	Reverse Arrhenius coefficients:	4.45E+05	1.0	51030.0
6324.	c3h6ooh2-1o2=c3ket21+oh	1.00E+11	0.0	23850.0
	Reverse Arrhenius coefficients:	2.14E+05	1.1	49190.0
6325.	c3ket12=ch3hco+hco+oh	1.05E+16	0.0	41600.0
6326.	c3ket13=ch2o+ch2hco+oh	1.50E+16	0.0	42000.0
6327.	c3ket21=ch2o+ch3co+oh	1.50E+16	0.0	42000.0
6328.	c3h6o+h=>h2+ch2co+ch3	2.70E+07	2.0	5000.0
6329.	c3h6o+oh=>h2o+ch2co+ch3	7.80E+06	2.0	-765.0
6330.	c3h6o+ho2=>h2o2+ch2co+ch3	1.20E+12	0.0	15500.0
6331.	c3h6o+ch3=>ch4+ch2co+ch3	6.00E+11	0.0	9600.0
6332.	c3h6o+ch3o2=>ch3o2h+ch2co+ch3	6.00E+11	0.0	9600.0
6333.	c3h6o+c2h5=>c2h6+ch2co+ch3	6.00E+11	0.0	11000.0
6334.	c3h6o+o=>oh+hco+c2h4	7.80E+13	0.0	5200.0
6335.	c3h6o1-3+h=>h2+hco+c2h4	2.70E+07	2.0	5000.0
6336.	c3h6o1-3+oh=>h2o+hco+c2h4	7.80E+06	2.0	-765.0
6337.	c3h6o1-3+ho2=>h2o2+hco+c2h4	1.20E+12	0.0	15500.0
6338.	c3h6o1-3+ch3=>ch4+hco+c2h4	6.00E+11	0.0	9600.0
6339.	c3h6o1-3+ch3o2=>ch3o2h+hco+c2h4	4.50E+12	0.0	17500.0
6340.	c3h6o1-3+c2h5=>c2h6+hco+c2h4	6.00E+11	0.0	11000.0
6341.	c3h6o1-3+o=>oh+hco+c2h4	7.80E+13	0.0	5200.0
6342.	c3h6o=c2h5+hco	2.45E+13	0.0	58500.0
6343.	c3h6o=ethco	1.82E+14	0.0	58500.0
6344.	c3h6o=ch3+ch3co	4.54E+13	0.0	59900.0
6345.	c3h6o=ch3+ch2hco	2.45E+13	0.0	58820.0
6346.	c3h6o=ch3+c2h3o	8.00E+15	0.0	92010.0
6347.	c3h6o1-3+h=ch2ch2hco+h2	2.70E+07	2.0	5000.0
6348.	c3h6o1-3+oh=ch2ch2hco+h2o	7.80E+06	2.0	-765.0
6349.	c3h6o1-3+ho2=ch2ch2hco+h2o2	1.20E+12	0.0	15500.0
6350.	c3h6o1-3+ch3=ch2ch2hco+ch4	6.00E+11	0.0	9600.0
6351.	c3h6o1-3=ethco	1.82E+14	0.0	58500.0
6352.	c2h4+hco=ch2ch2hco	2.11E+11	0.0	7350.0
6353.	ch2ch2hco+o2=o2c2h4hco	9.00E+18	-2.5	0.0
6354.	o2c2h4hco+ho2=>ho2c2h4hco+o2	2.29E+11	0.0	-1790.0
6355.	o2c2h4hco=ho2c2h4co	5.34E+05	1.9	20273.5
6356.	ho2c2h4co=co+c2h4o2h	2.00E+13	0.0	28700.0
6357.	ho2c2h4hco=>oc2h4hco+oh	1.50E+16	0.0	42500.0
6358.	ch2o+ch2hco=oc2h4hco	1.50E+11	0.0	11900.0
6359.	pc4h9+o2=c4h9qjA	9.00E+18	-2.5	0.0
6360.	sc4h9+o2=c4h9qjB	1.70E+19	-2.5	0.0
6361.	c4h9qjA=c4h8rBqA	3.30E+09	1.0	32500.0
6362.	c4h9qjA=c4h8rCqA	5.70E+08	1.0	25000.0
6363.	c4h9qjA=c4h8rDqA	1.50E+08	1.0	25000.0
6364.	c4h9qjB=c4h8rDqB	8.60E+08	1.0	28000.0
6365.	c4h9qjB=c4h8rAqB	5.00E+09	1.0	35500.0
6366.	c4h9qjB=c4h8rCqB	3.30E+09	1.0	32500.0
6367.	c4h9qjA+ho2=nc4h9o2h+o2	2.90E+11	0.0	1550.0
6368.	c4h9qjB+ho2=nc4h9o2h+o2	2.90E+11	0.0	1550.0
6369.	c4h8rDqA=c2h4+c2h4o2h	2.00E+13	0.0	28700.0
6370.	c4h8rDqA=c4h8rAqA	5.70E+08	1.0	15300.0
6371.	c4h8rDqB=c4h8rAqB	8.60E+08	1.0	19800.0

6372.	c4h8rAqA+o2=c4h8qjAqA	9.00E+18	-2.5	0.0
6373.	c4h8rBqA+o2=c4h8qjBqA	1.80E+19	-2.5	0.0
6374.	c4h8rCqA+o2=c4h8qjCqA	1.70E+19	-2.5	0.0
6375.	c4h8rDqA+o2=c4h8qjDqA	9.00E+18	-2.5	0.0
6376.	c4h8rAqB+o2=c4h8qjAqB	1.50E+18	-2.5	0.0
6377.	c4h8rCqB+o2=c4h8qjCqB	1.05E+19	-2.5	0.0
6378.	c4h8rDqB+o2=c4h8qjDqB	9.00E+18	-2.5	0.0
6379.	c4h8rCqA=>oh+ch2o+c3h6	9.13E+10	1.1	28014.0
6380.	c4h8rDqB=>oh+ch3hco+c2h4	1.67E+14	0.0	28684.0
6381.	c4h8rAqA=oh+nc3h7hco	1.00E+09	0.0	7500.0
6382.	c4h8rBqA=oh+c4h8o#3	6.10E+11	0.0	17950.0
6383.	c4h8rCqA=oh+c4h8o#4	9.20E+10	0.0	16600.0
6384.	c4h8rDqA=oh+c4h8o#5	2.10E+08	0.0	6500.0
6385.	c4h8rAqB=oh+c4h8o#3	6.10E+11	0.0	17950.0
6386.	c4h8rCqB=oh+c4h8o#3	6.10E+11	0.0	17950.0
6387.	c4h8rDqB=oh+c4h8o#4	9.20E+10	0.0	16600.0
6388.	c4h8rBqA=ho2+c4h8	8.50E+12	0.0	26000.0
6389.	c4h8rAqB=ho2+c4h8	8.50E+12	0.0	26000.0
6390.	c4h8rCqB=ho2+c4h8	8.50E+12	0.0	26000.0
6391.	c4h8qjBqA=oh+c4h7oAqB	3.35E+09	1.0	32500.0
6392.	c4h8qjCqA=oh+c4h7oAqC	5.75E+08	1.0	25000.0
6393.	c4h8qjDqA=oh+c4h7oAqD	9.89E+07	1.0	22000.0
6394.	c4h8qjAqB=oh+c4h7oBqA	1.67E+09	1.0	29500.0
6395.	c4h8qjCqB=oh+c4h7oBqC	1.67E+09	1.0	29500.0
6396.	c4h8qjDqB=oh+c4h7oBqD	2.87E+08	1.0	22000.0
6397.	nc4h9o2h=>oh+ch3hco+c2h5	1.50E+16	0.0	42000.0
6398.	c4h7oAqB=>oh+hco+ethco	7.50E+15	0.0	44500.0
6399.	c4h7oAqC=>oh+ch2hco+ch3hco	7.50E+15	0.0	44500.0
6400.	c4h7oAqD=>oh+ch2o+ch2ch2hco	7.50E+15	0.0	44500.0
6401.	c4h7oBqA=>oh+ch2o+c2h5co	7.50E+15	0.0	44500.0
6402.	c4h7oBqC=>oh+ch3co+ch3hco	7.50E+15	0.0	44500.0
6403.	c4h7oBqD=>oh+ch2o+ch2coch3	7.50E+15	0.0	44500.0
6404.	c4h8o#3+h=>h2+ch2co+c2h5	2.40E+08	1.5	2005.0
6405.	c4h8o#3+oh=>h2o+ch2co+c2h5	1.20E+06	2.0	-1192.0
6406.	c4h8o#3+ho2=>h2o2+ch2co+c2h5	1.00E+04	2.5	9400.0
6407.	c4h8o#4+h=>h2+c3h6+hco	4.80E+08	1.5	2785.0
6408.	c4h8o#4+oh=>h2o+c3h6+hco	2.40E+06	2.0	-1192.0
6409.	c4h8o#4+ho2=>h2o2+c3h6+hco	2.50E+04	2.5	11605.0
6410.	c4h8o#4+h=h2+ch3coc2h4p	2.40E+08	1.5	2005.0
6411.	c4h8o#4+oh=h2o+ch3coc2h4p	1.20E+06	2.0	-1192.0
6412.	c4h8o#4+ho2=h2o2+ch3coc2h4p	1.00E+04	2.5	9400.0
6413.	c4h8o#5+h=h2+c3h6cho-1	9.60E+08	1.5	2785.0
6414.	c4h8o#5+oh=h2o+c3h6cho-1	4.80E+06	2.0	-1192.0
6415.	c4h8o#5+ho2=h2o2+c3h6cho-1	5.00E+04	2.5	11605.0
6416.	butanone+h=>h2+c2h5coch2	2.70E+07	2.0	5000.0
6417.	butanone+oh=>h2o+c2h5coch2	7.80E+06	2.0	-765.0
6418.	butanone+ho2=>h2o2+c2h5coch2	1.20E+12	0.0	15500.0
6419.	butanone+ch3=>ch4+c2h5coch2	6.00E+11	0.0	9600.0
6420.	butanone+ch3o2=>ch3o2h+c2h5coch2	6.00E+11	0.0	9600.0
6421.	butanone+c2h5=>c2h6+c2h5coch2	6.00E+11	0.0	11000.0
6422.	c2h5coch2=ch2co+c2h5	1.57E+13	0.0	30000.0
	Reverse Arrhenius coefficients:	2.11E+11	0.0	7350.0
6423.	c2h5coch2+o2=c2h5coch2o2	9.00E+18	-2.5	0.0
6424.	c2h5coch2o2+ho2=c2h5coch2o2h+o2	2.29E+11	0.0	-1790.0
6425.	c2h5coch2o2h=c2h5coch2o+oh	1.50E+16	0.0	42500.0
6426.	ch2o+c2h5co=c2h5coch2o	1.50E+11	0.0	11900.0
6427.	ch3coc2h4p=c2h4+ch3co	5.97E+12	0.0	20730.0
6428.	ch3coc2h4p+o2=ch3coc2h4o2	9.00E+18	-2.5	0.0
6429.	ch3coc2h4o2+ho2=ch3coc2h4o2h+o2	2.29E+11	0.0	-1790.0
6430.	ch3coc2h4o2h=ch3coc2h4o+oh	1.50E+16	0.0	42500.0
6431.	ch2o+ch2coch3=ch3coc2h4o	1.50E+11	0.0	11900.0

6432.	ch3coc2h4p+o2=mvk+ho2	3.80E+10	0.0	-2000.0
6433.	Ac5h11+o2=c5h11qjA	9.00E+18	-2.5	0.0
6434.	Bc5h11+o2=c5h11qjB	1.70E+19	-2.5	0.0
6435.	Cc5h11+o2=c5h11qjC	1.80E+19	-2.5	0.0
6436.	c5h11qjA=c5h10rBqA	5.70E+08	1.0	32500.0
6437.	c5h11qjA=c5h10rCqA	9.90E+07	1.0	25000.0
6438.	c5h11qjA=c5h10rDqA	1.70E+07	1.0	22000.0
6439.	c5h11qjA=c5h10rEqA	4.35E+06	1.0	24000.0
6440.	c5h11qjB=c5h10rAqB	8.65E+08	1.0	35500.0
6441.	c5h11qjB=c5h10rCqB	5.70E+08	1.0	32500.0
6442.	c5h11qjB=c5h10rDqB	9.90E+07	1.0	25000.0
6443.	c5h11qjB=c5h10rEqB	2.55E+07	1.0	25000.0
6444.	c5h11qjC=c5h10rAqC	2.97E+08	1.0	28000.0
6445.	c5h11qjC=c5h10rBqC	1.14E+09	1.0	32500.0
6446.	c5h11qjA+ho2=nc5h11o2h+o2	2.29E+11	0.0	-1790.0
6447.	c5h11qjB+ho2=nc5h11o2h+o2	2.90E+11	0.0	1550.0
6448.	c5h11qjC+ho2=nc5h11o2h+o2	2.90E+11	0.0	1550.0
6449.	c5h10rAqA+o2=c5h10qjAqA	9.00E+18	-2.5	0.0
6450.	c5h10rBqA+o2=c5h10qjBqA	1.80E+19	-2.5	0.0
6451.	c5h10rCqA+o2=c5h10qjCqA	1.80E+19	-2.5	0.0
6452.	c5h10rDqA+o2=c5h10qjDqA	1.70E+19	-2.5	0.0
6453.	c5h10rEqA+o2=c5h10qjEqA	9.00E+18	-2.5	0.0
6454.	c5h10rAqB+o2=c5h10qjAqB	1.50E+18	-2.5	0.0
6455.	c5h10rBqB+o2=c5h10qjBqB	1.80E+19	-2.5	0.0
6456.	c5h10rCqB+o2=c5h10qjCqB	1.05E+19	-2.5	0.0
6457.	c5h10rDqB+o2=c5h10qjDqB	1.70E+19	-2.5	0.0
6458.	c5h10rEqB+o2=c5h10qjEqB	9.00E+18	-2.5	0.0
6459.	c5h10rAqC+o2=c5h10qjAqC	9.00E+18	-2.5	0.0
6460.	c5h10rBqC+o2=c5h10qjBqC	9.50E+18	-2.5	0.0
6461.	c5h10rCqA=>oh+ch2o+c4h8	1.35E+12	0.8	28207.0
6462.	c5h10rAqC=>oh+ethco+c2h4	1.12E+14	0.1	30960.0
6463.	c5h10rDqB=>oh+ch3hco+c3h6	6.44E+13	0.2	28013.0
6464.	c5h10rAqA=oh+nc4h9hco	1.00E+09	0.0	7500.0
6465.	c5h10rBqB=oh+c3h7coch3	1.00E+09	0.0	7500.0
6466.	c5h10rBqA=oh+c5h10o-AB	1.38E+12	0.0	15900.0
6467.	c5h10rCqA=oh+c5h10o-AC	2.04E+11	0.0	19500.0
6468.	c5h10rDqA=oh+c5h10o-AD	3.63E+10	0.0	13000.0
6469.	c5h10rEqA=oh+c5h10o-AE	1.70E+08	0.0	1950.0
6470.	c5h10rAqB=oh+c5h10o-AB	1.38E+12	0.0	15900.0
6471.	c5h10rCqB=oh+c5h10o-BC	1.38E+12	0.0	15900.0
6472.	c5h10rDqB=oh+c5h10o-BD	2.04E+11	0.0	19500.0
6473.	c5h10rEqB=oh+c5h10o-AD	3.63E+10	0.0	13000.0
6474.	c5h10rAqC=oh+c5h10o-AC	2.04E+11	0.0	19500.0
6475.	c5h10rBqC=oh+c5h10o-BC	1.38E+12	0.0	15900.0
6476.	c5h10rAqB=ho2+c5h10	8.50E+12	0.0	26000.0
6477.	c5h10rBqA=ho2+c5h10	8.50E+12	0.0	26000.0
6478.	c5h10rBqC=ho2+c2c5h10	8.50E+12	0.0	26000.0
6479.	c5h10rBqC=ho2+t2c5h10	8.50E+12	0.0	26000.0
6480.	c5h10rCqB=ho2+c2c5h10	8.50E+12	0.0	26000.0
6481.	c5h10rCqB=ho2+t2c5h10	8.50E+12	0.0	26000.0
6482.	c5h10qjBqA=oh+c5h9oAqB	3.35E+09	1.0	32500.0
6483.	c5h10qjCqA=oh+c5h9oAqC	9.89E+07	1.0	22000.0
6484.	c5h10qjDqA=oh+c5h9oAqD	9.89E+07	1.0	22000.0
6485.	c5h10qjEqA=oh+c5h9oAqE	1.70E+07	1.0	21000.0
6486.	c5h10qjAqB=oh+c5h9oBqA	1.67E+09	1.0	29500.0
6487.	c5h10qjCqB=oh+c5h9oBqC	1.67E+09	1.0	29500.0
6488.	c5h10qjDqB=oh+c5h9oBqD	2.87E+08	1.0	22000.0
6489.	c5h10qjEqB=oh+c5h9oBqE	4.94E+07	1.0	19000.0
6490.	c5h10qjAqC=oh+c5h9oCqA	2.87E+08	1.0	22000.0
6491.	c5h10qjBqC=oh+c5h9oCqB	1.67E+09	1.0	29500.0
6492.	nc5h11o2h=>oh+ch2o+pc4h9	1.50E+16	0.0	42000.0

6493.	c5h9oAqA=oh+co2+pc4h9	1.00E+16	0.0	43000.0
6494.	c5h9oAqB=oh+hco+nc3h7hco	1.00E+16	0.0	43000.0
6495.	c5h9oAqC=oh+ch2hco+ethco	1.00E+16	0.0	43000.0
6496.	c5h9oAqD=oh+ch3hco+ch2ch2hco	1.00E+16	0.0	43000.0
6497.	c5h9oAqE=oh+ch2o+c3h6cho-1	1.00E+16	0.0	43000.0
6498.	c5h9oBqA=oh+ch2o+c3h7co	1.00E+16	0.0	43000.0
6499.	c5h9oBqC=oh+ch3co+ethco	1.00E+16	0.0	43000.0
6500.	c5h9oBqD=oh+ch3hco+ch2coch3	1.00E+16	0.0	43000.0
6501.	c5h9oBqE=oh+c2h4+ch3co+ch2o	1.00E+16	0.0	43000.0
6502.	c5h9oCqA=oh+c2h5+ch2co+ch2o	1.00E+16	0.0	43000.0
6503.	c5h9oCqB=oh+c2h5co+ch3hco	1.00E+16	0.0	43000.0
6504.	c5h10o-AB+h=>h2+acrol+c2h5	4.80E+08	1.5	2785.0
6505.	c5h10o-AB+oh=>h2o+acrol+c2h5	2.40E+06	2.0	-1192.0
6506.	c5h10o-AB+ho2=>h2o2+acrol+c2h5	2.50E+04	2.5	11605.0
6507.	c5h10o-AB+h=>h2+nc3h7coch2	2.40E+08	1.5	2005.0
6508.	c5h10o-AB+oh=>h2o+nc3h7coch2	1.20E+06	2.0	-1192.0
6509.	c5h10o-AB+ho2=>h2o2+nc3h7coch2	1.00E+04	2.5	9400.0
6510.	c5h10o-BC+h=>h2+ch3+mvk	2.40E+08	1.5	2005.0
6511.	c5h10o-BC+oh=>h2o+ch3+mvk	1.20E+06	2.0	-1192.0
6512.	c5h10o-BC+ho2=>h2o2+ch3+mvk	1.00E+04	2.5	9400.0
6513.	c5h10o-BC+h=>h2+ch3chco+c2h5	2.40E+08	1.5	2005.0
6514.	c5h10o-BC+oh=>h2o+ch3chco+c2h5	1.20E+06	2.0	-1192.0
6515.	c5h10o-BC+ho2=>h2o2+ch3chco+c2h5	1.00E+04	2.5	9400.0
6516.	c5h10o-AC+h=>h2+c4h8+hco	4.80E+08	1.5	2785.0
6517.	c5h10o-AC+oh=>h2o+c4h8+hco	2.40E+06	2.0	-1192.0
6518.	c5h10o-AC+ho2=>h2o2+c4h8+hco	2.50E+04	2.5	11605.0
6519.	c5h10o-AC+h=>h2+c2h4+c2h5co	2.40E+08	1.5	2005.0
6520.	c5h10o-AC+oh=>h2o+c2h4+c2h5co	1.20E+06	2.0	-1192.0
6521.	c5h10o-AC+ho2=>h2o2+c2h4+c2h5co	1.00E+04	2.5	9400.0
6522.	c5h10o-BD+h=>h2+c3h6+ch3co	4.80E+08	1.5	2005.0
6523.	c5h10o-BD+oh=>h2o+c3h6+ch3co	2.40E+06	2.0	-1192.0
6524.	c5h10o-BD+ho2=>h2o2+c3h6+ch3co	2.00E+04	2.5	9400.0
6525.	c5h10o-AD+h=>h2+c3h6+ch2hco	4.80E+08	1.5	2785.0
6526.	c5h10o-AD+oh=>h2o+c3h6+ch2hco	2.40E+06	2.0	-1192.0
6527.	c5h10o-AD+ho2=>h2o2+c3h6+ch2hco	2.50E+04	2.5	11605.0
6528.	c5h10o-AD+h=>h2+c2h4+ch2coch3	2.40E+08	1.5	2005.0
6529.	c5h10o-AD+oh=>h2o+c2h4+ch2coch3	1.20E+06	2.0	-1192.0
6530.	c5h10o-AD+ho2=>h2o2+c2h4+ch2coch3	1.00E+04	2.5	9400.0
6531.	c5h10o-AE+h=>h2+c2h4+ch2ch2hco	9.60E+08	1.5	2785.0
6532.	c5h10o-AE+oh=>h2o+c2h4+ch2ch2hco	4.80E+06	2.0	-1192.0
6533.	c5h10o-AE+ho2=>h2o2+c2h4+ch2ch2hco	5.00E+04	2.5	11605.0
6534.	c4h7hco-1+h=h2+c4h7co-1	4.00E+13	0.0	4200.0
6535.	c4h7hco-1+oh=h2o+c4h7co-1	4.20E+12	0.0	500.0
6536.	c4h7hco-1+ho2=h2o2+c4h7co-1	1.00E+12	0.0	10000.0
6537.	c4h7hco-1+ch3=ch4+c4h7co-1	2.00E-06	5.6	2500.0
6538.	c4h7hco-1+c2h5=c2h6+c4h7co-1	1.30E+12	0.0	8500.0
6539.	c4h7co-1=>co+Dc4h7-1	2.00E+13	0.0	28700.0
6540.	c4h7co-1+ho2=>co2+oh+Dc4h7-1	2.00E+13	0.0	0.0
6541.	c4h7hco-2+h=h2+c4h7co-2	4.00E+13	0.0	4200.0
6542.	c4h7hco-2+oh=h2o+c4h7co-2	4.20E+12	0.0	500.0
6543.	c4h7hco-2+ho2=h2o2+c4h7co-2	1.00E+12	0.0	10000.0
6544.	c4h7hco-2+ch3=ch4+c4h7co-2	2.00E-06	5.6	2500.0
6545.	c4h7hco-2+c2h5=c2h6+c4h7co-2	1.30E+12	0.0	8500.0
6546.	c4h7co-2=>co+Cc4h7-1	2.00E+13	0.0	28700.0
6547.	c4h7co-2+ho2=>co2+oh+Cc4h7-1	2.00E+13	0.0	0.0
6548.	c3h7coch3+oh=c3h6coch3-1+h2o	2.06E+07	1.7	753.0
	Reverse Arrhenius coefficients:	3.60E+06	1.8	20170.0
6549.	c3h7coch3+ho2=c3h6coch3-1+h2o2	2.38E+04	2.5	16490.0
	Reverse Arrhenius coefficients:	2.46E+04	2.2	4442.0
6550.	c3h7coch3+o=c3h6coch3-1+oh	2.25E+13	0.0	7700.0
6551.	c3h7coch3+h=c3h6coch3-1+h2	9.16E+06	2.0	7700.0

6552.	$c3h7coch3+o2=c3h6coch3-1+ho2$	2.05E+13	0.0	51310.0
6553.	$c3h7coch3+ch3=c3h6coch3-1+ch4$	3.19E+01	3.2	7172.0
6554.	$c3h7coch3+oh=c3h6coch3-2+h2o$	3.61E+07	1.6	-247.0
	Reverse Arrhenius coefficients:	3.67E+05	2.0	21660.0
6555.	$c3h7coch3+ho2=c3h6coch3-2+h2o2$	5.60E+12	0.0	17700.0
	Reverse Arrhenius coefficients:	3.37E+11	0.1	8142.0
6556.	$c3h7coch3+oh=c3h6coch3-3+h2o$	8.45E+11	0.0	-228.0
	Reverse Arrhenius coefficients:	2.37E+13	-0.3	28700.0
6557.	$c3h7coch3+ho2=c3h6coch3-3+h2o2$	2.00E+11	0.0	8698.0
	Reverse Arrhenius coefficients:	3.33E+13	-0.6	6160.0
6558.	$c3h7coch3+o=c3h6coch3-3+oh$	3.07E+13	0.0	3400.0
6559.	$c3h7coch3+h=c3h6coch3-3+h2$	4.46E+06	2.0	3200.0
6560.	$c3h7coch3+o2=c3h6coch3-3+ho2$	1.55E+13	0.0	41970.0
6561.	$c3h7coch3+ch3=c3h6coch3-3+ch4$	1.74E+00	3.5	3680.0
6562.	$c3h7coch3+oh=nc3h7coch2+h2o$	5.10E+11	0.0	1192.0
	Reverse Arrhenius coefficients:	9.29E+13	-0.7	27730.0
6563.	$c3h7coch3+ho2=nc3h7coch2+h2o2$	2.38E+04	2.5	14690.0
	Reverse Arrhenius coefficients:	2.57E+07	1.5	9762.0
6564.	$c3h7coch3+o=nc3h7coch2+oh$	5.00E+12	0.0	5962.0
6565.	$c3h7coch3+h=nc3h7coch2+h2$	9.30E+12	0.0	6357.0
6566.	$c3h7coch3+o2=nc3h7coch2+ho2$	2.05E+13	0.0	49150.0
6567.	$c3h7coch3+ch3=nc3h7coch2+ch4$	1.62E+11	0.0	9630.0
6568.	$c3h6coch3-1+o2=ch3coc3h6o2-1$	9.00E+18	-2.5	0.0
6569.	$ch3coc3h6o2-1+ho2=ch3coc3h6o2h-1+o2$	2.29E+11	0.0	-1790.0
6570.	$ch3coc3h6o2h-1=ch3coc3h6o-1+oh$	1.50E+16	0.0	42500.0
6571.	$ch2o+ch3coc2h4p=ch3coc3h6o-1$	1.50E+11	0.0	11900.0
6572.	$c3h6coch3-1=c2h4+ch2coch3$	2.90E+16	-1.2	27000.0
	Reverse Arrhenius coefficients:	1.00E+11	0.0	8600.0
6573.	$c3h6coch3-2=c3h6+ch3co$	2.72E+16	-1.1	25590.0
	Reverse Arrhenius coefficients:	1.00E+11	0.0	7800.0
6574.	$c3h6coch3-3=mvk+ch3$	9.61E+15	-0.8	32390.0
	Reverse Arrhenius coefficients:	1.00E+11	0.0	7800.0
6575.	$nc3h7coch2=nc3h7+ch2co$	1.23E+18	-1.4	43450.0
	Reverse Arrhenius coefficients:	1.00E+11	0.0	11600.0
6576.	$nc3h7coch2+o2=nc3h7coch2o2$	9.00E+18	-2.5	0.0
6577.	$nc3h7coch2o2+ho2=nc3h7coch2o2h+o2$	2.29E+11	0.0	-1790.0
6578.	$nc3h7coch2o2h=nc3h7coch2o+oh$	1.50E+16	0.0	42500.0
6579.	$ch2o+c3h7co=nc3h7coch2o$	1.50E+11	0.0	11900.0
6580.	$c2h5coc2h5+oh=c2h5coc2h4p+h2o$	1.05E+10	1.0	1586.0
	Reverse Arrhenius coefficients:	1.19E+09	0.9	21030.0
6581.	$c2h5coc2h5+ho2=c2h5coc2h4p+h2o2$	4.76E+04	2.5	16490.0
	Reverse Arrhenius coefficients:	3.20E+04	2.2	4472.0
6582.	$c2h5coc2h5+o2=c2h5coc2h4p+ho2$	4.10E+13	0.0	51310.0
	Reverse Arrhenius coefficients:	1.95E+10	0.3	-1882.0
6583.	$c2h5coc2h5+h=c2h5coc2h4p+h2$	1.83E+07	2.0	7700.0
	Reverse Arrhenius coefficients:	4.79E+05	2.0	11990.0
6584.	$c2h5coc2h5+oh=c2h5coc2h4s+h2o$	1.69E+12	0.0	-228.0
	Reverse Arrhenius coefficients:	3.30E+13	-0.3	28740.0
6585.	$c2h5coc2h5+ho2=c2h5coc2h4s+h2o2$	4.00E+11	0.0	8698.0
	Reverse Arrhenius coefficients:	4.63E+13	-0.7	6200.0
6586.	$c2h5coc2h5+o2=c2h5coc2h4s+ho2$	3.10E+13	0.0	41970.0
	Reverse Arrhenius coefficients:	2.54E+12	0.0	-1702.0
6587.	$c2h5coc2h5+h=c2h5coc2h4s+h2$	8.96E+06	2.0	3200.0
	Reverse Arrhenius coefficients:	4.04E+07	1.7	17010.0
6588.	$c2h5coc2h4s=c2h5coc2h3+h$	8.70E+16	-0.8	42130.0
	Reverse Arrhenius coefficients:	1.30E+13	0.0	1560.0
6589.	$c2h5coc2h4p=c2h5co+c2h4$	1.55E+17	-1.5	27840.0
	Reverse Arrhenius coefficients:	7.00E+10	0.0	9600.0
6590.	$c2h5coc2h4p+o2=c2h5coc2h4o2$	9.00E+18	-2.5	0.0
6591.	$c2h5coc2h4o2+ho2=c2h5coc2h4o2h+o2$	2.29E+11	0.0	-1790.0
6592.	$c2h5coc2h4o2h=c2h5coc2h4o+oh$	1.50E+16	0.0	42500.0

6593.	ch2o+c2h5coch2=c2h5coc2h4o	1.50E+11	0.0	11900.0
6594.	c2h5coc2h3=>c2h3+c2h5co	7.94E+17	0.0	84456.0
6595.	c2h5coc2h3=>c2h3co+c2h5	7.94E+17	0.0	84456.0
6596.	c2h5coc2h3+oh=c2h5coch2+ch2o	1.00E+10	0.0	0.0
	Reverse Arrhenius coefficients:	1.67E+11	-0.4	18220.0
6597.	c2h5coc2h3+ho2=c2h5co+ch2hco+oh	6.03E+09	0.0	7949.0
	Reverse Arrhenius coefficients:	1.00E+00	0.0	0.0
6598.	c2h5coc2h3+ch3o2=c2h5co+ch2hco+ch3o	3.97E+11	0.0	17050.0
	Reverse Arrhenius coefficients:	1.00E+00	0.0	0.0
6599.	c2h5coc2h3+oh=pc2h4coc2h3+h2o	7.55E+09	1.0	1586.0
	Reverse Arrhenius coefficients:	1.28E+08	2.5	20210.0
6600.	c2h5coc2h3+ho2=pc2h4coc2h3+h2o2	2.38E+04	2.5	16490.0
	Reverse Arrhenius coefficients:	2.40E+03	3.8	3652.0
6601.	c2h5coc2h3+ch3o2=pc2h4coc2h3+ch3o2h	3.01E+12	0.0	19380.0
	Reverse Arrhenius coefficients:	1.25E+12	1.1	5822.0
6602.	c2h5coc2h3+o2=pc2h4coc2h3+ho2	2.05E+13	0.0	51310.0
6603.	c2h5coc2h3+h=pc2h4coc2h3+h2	9.16E+06	2.0	7700.0
6604.	c2h5coc2h3+c2h3=pc2h4coc2h3+c2h4	5.00E+11	0.0	10400.0
6605.	c2h5coc2h3+c2h5=pc2h4coc2h3+c2h6	5.00E+10	0.0	13400.0
6606.	c2h5coc2h3+ch3o=pc2h4coc2h3+ch3oh	2.17E+11	0.0	6460.0
6607.	c2h5coc2h3+oh=sc2h4coc2h3+h2o	8.45E+11	0.0	-228.0
	Reverse Arrhenius coefficients:	1.35E+13	-0.2	28600.0
6608.	c2h5coc2h3+ho2=sc2h4coc2h3+h2o2	2.00E+11	0.0	8698.0
	Reverse Arrhenius coefficients:	1.90E+13	-0.5	6065.0
6609.	c2h5coc2h3+ch3o2=sc2h4coc2h3+ch3o2h	2.00E+12	0.0	15250.0
	Reverse Arrhenius coefficients:	7.79E+14	-0.7	11900.0
6610.	c2h5coc2h3+o2=sc2h4coc2h3+ho2	1.55E+13	0.0	41970.0
6611.	c2h5coc2h3+h=sc2h4coc2h3+h2	4.48E+06	2.0	3200.0
6612.	c2h5coc2h3+c2h3=sc2h4coc2h3+c2h4	3.00E+11	0.0	5600.0
6613.	c2h5coc2h3+c2h5=sc2h4coc2h3+c2h6	3.00E+10	0.0	8600.0
6614.	c2h5coc2h3+ch3o=sc2h4coc2h3+ch3oh	1.45E+11	0.0	2771.0
6615.	pc2h4coc2h3=c2h3co+c2h4	5.26E+14	0.4	21460.0
	Reverse Arrhenius coefficients:	8.00E+10	0.0	11300.0
6616.	sc2h4coc2h3=ch3chco+c2h3	1.64E+16	-0.7	54590.0
	Reverse Arrhenius coefficients:	8.00E+10	0.0	12600.0
6617.	c2h3+c2h3co=divinket	3.12E+14	-0.5	0.0
6618.	c4h8hco-2=c3h6+ch2hco	2.00E+13	0.0	24367.3
6619.	c4h8hco-2+o2=c4h7hco-1+ho2	7.50E+09	0.0	-2000.0
6620.	c4h8hco-2+o2=c4h7hco-2+ho2	1.80E+10	0.0	-2000.0
6621.	Ac6h13+o2=c6h13qjA	9.00E+18	-2.5	0.0
6622.	Bc6h13+o2=c6h13qjB	1.70E+19	-2.5	0.0
6623.	Cc6h13+o2=c6h13qjC	1.80E+19	-2.5	0.0
6624.	Ac6h13+ho2=c6h13ojA+oh	7.00E+12	0.0	-1000.0
6625.	Bc6h13+ho2=c6h13ojB+oh	7.00E+12	0.0	-1000.0
6626.	Cc6h13+ho2=c6h13ojC+oh	7.00E+12	0.0	-1000.0
6627.	Ac6h13+ch3o2=c6h13ojA+ch3o	7.00E+12	0.0	-1000.0
6628.	Bc6h13+ch3o2=c6h13ojB+ch3o	7.00E+12	0.0	-1000.0
6629.	Cc6h13+ch3o2=c6h13ojC+ch3o	7.00E+12	0.0	-1000.0
6630.	Ac6h13+c2h5o2=c6h13ojA+c2h5o	7.00E+12	0.0	-1000.0
6631.	Bc6h13+c2h5o2=c6h13ojB+c2h5o	7.00E+12	0.0	-1000.0
6632.	Cc6h13+c2h5o2=c6h13ojC+c2h5o	7.00E+12	0.0	-1000.0
6633.	Ac6h13+nc3h7o2=c6h13ojA+nc3h7o	7.00E+12	0.0	-1000.0
6634.	Bc6h13+nc3h7o2=c6h13ojB+nc3h7o	7.00E+12	0.0	-1000.0
6635.	Cc6h13+nc3h7o2=c6h13ojC+nc3h7o	7.00E+12	0.0	-1000.0
6636.	Ac6h13+c6h13qjA=c6h13ojA+c6h13ojA	7.00E+12	0.0	-1000.0
6637.	Ac6h13+c6h13qjB=c6h13ojA+c6h13ojB	7.00E+12	0.0	-1000.0
6638.	Ac6h13+c6h13qjC=c6h13ojA+c6h13ojC	7.00E+12	0.0	-1000.0
6639.	Bc6h13+c6h13qjA=c6h13ojB+c6h13ojA	7.00E+12	0.0	-1000.0
6640.	Bc6h13+c6h13qjB=c6h13ojB+c6h13ojB	7.00E+12	0.0	-1000.0
6641.	Bc6h13+c6h13qjC=c6h13ojB+c6h13ojC	7.00E+12	0.0	-1000.0
6642.	Cc6h13+c6h13qjA=c6h13ojC+c6h13ojA	7.00E+12	0.0	-1000.0



6643.	Cc6h13+c6h13qjB=c6h13ojC+c6h13ojB	7.00E+12	0.0	-1000.0
6644.	Cc6h13+c6h13qjC=c6h13ojC+c6h13ojC	7.00E+12	0.0	-1000.0
6645.	c6h13ojA=ch2o+Ac5h11	7.17E+17	-1.3	15013.0
6646.	c6h13ojB=ch3hco+pc4h9	4.18E+12	0.4	10821.0
6647.	c6h13ojB=ch3+nc4h9hco	7.00E+11	0.6	15365.0
6648.	c6h13ojC=ethco+nc3h7	5.28E+12	0.4	10946.0
6649.	c6h13ojC=c2h5+nc3h7hco	2.37E+16	-0.6	10837.0
6650.	c6h13qA=oh+c6h13ojA	1.50E+16	0.0	42500.0
6651.	c6h13qB=oh+c6h13ojB	1.25E+16	0.0	41600.0
6652.	c6h13qC=oh+c6h13ojC	1.25E+16	0.0	41600.0
6653.	c6h13qjA=c6h12rBqA	5.70E+08	1.0	32500.0
6654.	c6h13qjA=c6h12rCqA	9.90E+07	1.0	25000.0
6655.	c6h13qjA=c6h12rDqA	1.70E+07	1.0	22000.0
6656.	c6h13qjA=c6h12rEqA	2.90E+06	1.0	21000.0
6657.	c6h13qjB=c6h12rAqB	8.65E+08	1.0	35500.0
6658.	c6h13qjB=c6h12rCqB	5.70E+08	1.0	32500.0
6659.	c6h13qjB=c6h12rDqB	9.90E+07	1.0	25000.0
6660.	c6h13qjB=c6h12rEqB	1.70E+07	1.0	22000.0
6661.	c6h13qjB=c6h12rFqB	4.35E+06	1.0	24000.0
6662.	c6h13qjC=c6h12rAqC	1.48E+08	1.0	28000.0
6663.	c6h13qjC=c6h12rBqC	5.70E+08	1.0	32500.0
6664.	c6h13qjC=c6h12rDqC	5.70E+08	1.0	32500.0
6665.	c6h13qjC=c6h12rEqC	9.90E+07	1.0	25000.0
6666.	c6h13qjC=c6h12rFqC	2.53E+07	1.0	25000.0
6667.	c6h13qjA+ho2=c6h13qA+o2	2.90E+11	0.0	1550.0
6668.	c6h13qjB+ho2=c6h13qB+o2	2.90E+11	0.0	1550.0
6669.	c6h13qjC+ho2=c6h13qC+o2	2.90E+11	0.0	1550.0
6670.	c6h13qjA+ho2=c6h13ojA+oh+o2	1.00E+11	0.0	0.0
6671.	c6h13qjB+ho2=c6h13ojB+oh+o2	1.00E+11	0.0	0.0
6672.	c6h13qjC+ho2=c6h13ojC+oh+o2	1.00E+11	0.0	0.0
6673.	c6h13qjA+ch3o2=c6h13ojA+ch3o+o2	1.00E+11	0.0	0.0
6674.	c6h13qjB+ch3o2=c6h13ojB+ch3o+o2	1.00E+11	0.0	0.0
6675.	c6h13qjC+ch3o2=c6h13ojC+ch3o+o2	1.00E+11	0.0	0.0
6676.	c6h13qjA+c2h5o2=c6h13ojA+c2h5o+o2	1.00E+11	0.0	0.0
6677.	c6h13qjB+c2h5o2=c6h13ojB+c2h5o+o2	1.00E+11	0.0	0.0
6678.	c6h13qjC+c2h5o2=c6h13ojC+c2h5o+o2	1.00E+11	0.0	0.0
6679.	c6h13qjA+nc3h7o2=c6h13ojA+nc3h7o+o2	1.00E+11	0.0	0.0
6680.	c6h13qjB+nc3h7o2=c6h13ojB+nc3h7o+o2	1.00E+11	0.0	0.0
6681.	c6h13qjC+nc3h7o2=c6h13ojC+nc3h7o+o2	1.00E+11	0.0	0.0
6682.	c6h13qjA+c6h13qjA=c6h13ojA+c6h13ojA+o2	1.00E+11	0.0	0.0
6683.	c6h13qjA+c6h13qjB=c6h13ojA+c6h13ojB+o2	1.00E+11	0.0	0.0
6684.	c6h13qjA+c6h13qjC=c6h13ojA+c6h13ojC+o2	1.00E+11	0.0	0.0
6685.	c6h13qjB+c6h13qjB=c6h13ojB+c6h13ojB+o2	1.00E+11	0.0	0.0
6686.	c6h13qjB+c6h13qjC=c6h13ojB+c6h13ojC+o2	1.00E+11	0.0	0.0
6687.	c6h13qjC+c6h13qjC=c6h13ojC+c6h13ojC+o2	1.00E+11	0.0	0.0
6688.	c6h12rBqA+o2=c6h12qjBqA	1.70E+19	-2.5	0.0
6689.	c6h12rCqA+o2=c6h12qjCqA	1.80E+19	-2.5	0.0
6690.	c6h12rDqA+o2=c6h12qjDqA	1.80E+19	-2.5	0.0
6691.	c6h12rEqA+o2=c6h12qjEqA	1.70E+19	-2.5	0.0
6692.	c6h12rAqB+o2=c6h12qjAqB	9.00E+18	-2.5	0.0
6693.	c6h12rCqB+o2=c6h12qjCqB	1.80E+19	-2.5	0.0
6694.	c6h12rDqB+o2=c6h12qjDqB	1.80E+19	-2.5	0.0
6695.	c6h12rEqB+o2=c6h12qjEqB	1.70E+19	-2.5	0.0
6696.	c6h12rFqB+o2=c6h12qjFqB	9.00E+18	-2.5	0.0
6697.	c6h12rAqC+o2=c6h12qjAqC	9.00E+18	-2.5	0.0
6698.	c6h12rBqC+o2=c6h12qjBqC	1.70E+19	-2.5	0.0
6699.	c6h12rDqC+o2=c6h12qjDqC	1.80E+19	-2.5	0.0
6700.	c6h12rEqC+o2=c6h12qjEqC	1.70E+19	-2.5	0.0
6701.	c6h12rFqC+o2=c6h12qjFqC	9.00E+18	-2.5	0.0
6702.	c6h12rAqC=>oh+c2h4+nc3h7hco	5.00E+13	0.0	25500.0
6703.	c6h12rCqA=>oh+ch2o+c5h10	5.00E+13	0.0	25500.0

6704.	c6h12rDqB=>oh+ch3hco+c4h8	5.00E+13	0.0	25500.0
6705.	c6h12rEqC=>oh+c3h6+ethco	5.00E+13	0.0	25500.0
6706.	c6h12rBqA=oh+c6h12o-AB	1.38E+12	0.0	15900.0
6707.	c6h12rCqA=oh+c6h12o-AC	2.04E+11	0.0	19500.0
6708.	c6h12rDqA=oh+c6h12o-AD	3.63E+10	0.0	13000.0
6709.	c6h12rEqA=oh+c6h12o-AE	1.70E+08	0.0	1950.0
6710.	c6h12rAqB=oh+c6h12o-AB	1.38E+12	0.0	15900.0
6711.	c6h12rCqB=oh+c6h12o-BC	1.38E+12	0.0	15900.0
6712.	c6h12rDqB=oh+c6h12o-BD	2.04E+11	0.0	19500.0
6713.	c6h12rEqB=oh+c6h12o-BE	3.63E+10	0.0	13000.0
6714.	c6h12rFqB=oh+c6h12o-AE	1.70E+08	0.0	1950.0
6715.	c6h12rBqC=oh+c6h12o-BC	1.38E+12	0.0	15900.0
6716.	c6h12rAqC=oh+c6h12o-AC	2.04E+11	0.0	19500.0
6717.	c6h12rDqC=oh+c6h12o-CD	1.38E+12	0.0	15900.0
6718.	c6h12rEqC=oh+c6h12o-BD	2.04E+11	0.0	19500.0
6719.	c6h12rFqC=oh+c6h12o-AD	3.63E+10	0.0	13000.0
6720.	ho2+c6h12-1=c6h12rBqA	1.50E+11	0.0	7800.0
6721.	ho2+c6h12-1=c6h12rAqB	1.50E+11	0.0	7800.0
6722.	ho2+c6h12-2=c6h12rBqC	1.50E+11	0.0	7800.0
6723.	ho2+c6h12-2=c6h12rCqB	1.50E+11	0.0	7800.0
6724.	ho2+c6h12-3=c6h12rDqC	1.50E+11	0.0	7800.0
6725.	c6h12qjBqA=oh+c6h11oAqB	3.35E+09	1.0	33500.0
6726.	c6h12qjCqA=oh+c6h11oAqC	5.75E+08	1.0	26000.0
6727.	c6h12qjDqA=oh+c6h11oAqD	9.89E+07	1.0	23000.0
6728.	c6h12qjEqA=oh+c6h11oAqE	1.70E+07	1.0	22000.0
6729.	c6h12qjAqB=oh+c6h11oBqA	1.67E+09	1.0	30500.0
6730.	c6h12qjCqB=oh+c6h11oBqC	1.67E+09	1.0	30500.0
6731.	c6h12qjDqB=oh+c6h11oBqD	2.87E+08	1.0	23000.0
6732.	c6h12qjEqB=oh+c6h11oBqE	4.94E+07	1.0	20000.0
6733.	c6h12qjFqB=oh+c6h11oBqF	8.49E+06	1.0	19000.0
6734.	c6h12qjAqC=oh+c6h11oCqA	2.87E+08	1.0	23000.0
6735.	c6h12qjBqC=oh+c6h11oCqB	1.67E+09	1.0	30500.0
6736.	c6h12qjDqC=oh+c6h11oCqD	1.67E+09	1.0	30500.0
6737.	c6h12qjEqC=oh+c6h11oCqE	2.87E+08	1.0	23000.0
6738.	c6h12qjFqC=oh+c6h11oCqF	4.94E+07	1.0	20000.0
6739.	c6h11oAqB=>oh+hco+nc4h9hco	1.00E+16	0.0	43000.0
6740.	c6h11oAqC=>oh+ch2hco+nc3h7hco	1.00E+16	0.0	43000.0
6741.	c6h11oAqD=>oh+ethco+ch2ch2hco	1.00E+16	0.0	43000.0
6742.	c6h11oAqE=>oh+ch3hco+c3h6cho-1	1.00E+16	0.0	43000.0
6743.	c6h11oBqA=>oh+ch2o+nc4h9co	1.00E+16	0.0	43000.0
6744.	c6h11oBqC=>oh+ch3co+nc3h7hco	1.00E+16	0.0	43000.0
6745.	c6h11oBqD=>oh+ethco+ch2coch3	1.00E+16	0.0	43000.0
6746.	c6h11oBqE=>oh+ch3hco+ch3coc2h4p	1.00E+16	0.0	43000.0
6747.	c6h11oBqF=>oh+ch2o+c3h6coch3-1	1.00E+16	0.0	43000.0
6748.	c6h11oCqA=>oh+ch2o+nc3h7coch2	1.00E+16	0.0	43000.0
6749.	c6h11oCqB=>oh+ch3hco+c3h7co	1.00E+16	0.0	43000.0
6750.	c6h11oCqD=>oh+ethco+c2h5co	1.00E+16	0.0	43000.0
6751.	c6h11oCqE=>oh+ch3hco+c2h5coch2	1.00E+16	0.0	43000.0
6752.	c6h11oCqF=>oh+ch2o+c2h5coc2h4p	1.00E+16	0.0	43000.0
6753.	c6h12o-AB+h=>h2+acrol+nc3h7	4.80E+08	1.5	2785.0
6754.	c6h12o-AB+oh=>h2o+acrol+nc3h7	2.40E+06	2.0	-1192.0
6755.	c6h12o-AB+ho2=>h2o2+acrol+nc3h7	2.50E+04	2.5	11605.0
6756.	c6h12o-AB+h=>h2+ch2co+pc4h9	2.40E+08	1.5	2005.0
6757.	c6h12o-AB+oh=>h2o+ch2co+pc4h9	1.20E+06	2.0	-1192.0
6758.	c6h12o-AB+ho2=>h2o2+ch2co+pc4h9	1.00E+04	2.5	9400.0
6759.	c6h12o-BC+h=>h2+mvk+c2h5	2.40E+08	1.5	2005.0
6760.	c6h12o-BC+oh=>h2o+mvk+c2h5	1.20E+06	2.0	-1192.0
6761.	c6h12o-BC+ho2=>h2o2+mvk+c2h5	1.00E+04	2.5	9400.0
6762.	c6h12o-BC+h=>h2+ch3chco+nc3h7	2.40E+08	1.5	2005.0
6763.	c6h12o-BC+oh=>h2o+ch3chco+nc3h7	1.20E+06	2.0	-1192.0
6764.	c6h12o-BC+ho2=>h2o2+ch3chco+nc3h7	1.00E+04	2.5	9400.0

6765.	c6h12o-CD+h=>h2+ch3+c2h5coc2h3	4.80E+08	1.5	2005.0
6766.	c6h12o-CD+oh=>h2o+ch3+c2h5coc2h3	2.40E+06	2.0	-1192.0
6767.	c6h12o-CD+ho2=>h2o2+ch3+c2h5coc2h3	2.00E+04	2.5	9400.0
6768.	c6h12o-AC+h=>h2+c5h10+hco	4.80E+08	1.5	2785.0
6769.	c6h12o-AC+oh=>h2o+c5h10+hco	2.40E+06	2.0	-1192.0
6770.	c6h12o-AC+ho2=>h2o2+c5h10+hco	2.50E+04	2.5	11605.0
6771.	c6h12o-AC+h=>h2+c2h4+c3h7co	2.40E+08	1.5	2005.0
6772.	c6h12o-AC+oh=>h2o+c2h4+c3h7co	1.20E+06	2.0	-1192.0
6773.	c6h12o-AC+ho2=>h2o2+c2h4+c3h7co	1.00E+04	2.5	9400.0
6774.	c6h12o-BD+h=>h2+c4h8+ch3co	2.40E+08	1.5	2005.0
6775.	c6h12o-BD+oh=>h2o+c4h8+ch3co	1.20E+06	2.0	-1192.0
6776.	c6h12o-BD+ho2=>h2o2+c4h8+ch3co	1.00E+04	2.5	9400.0
6777.	c6h12o-BD+h=>h2+c3h6+c2h5co	2.40E+08	1.5	2005.0
6778.	c6h12o-BD+oh=>h2o+c3h6+c2h5co	1.20E+06	2.0	-1192.0
6779.	c6h12o-BD+ho2=>h2o2+c3h6+c2h5co	1.00E+04	2.5	9400.0
6780.	c6h12o-AD+h=>h2+c4h8+ch2hco	4.80E+08	1.5	2785.0
6781.	c6h12o-AD+oh=>h2o+c4h8+ch2hco	2.40E+06	2.0	-1192.0
6782.	c6h12o-AD+ho2=>h2o2+c4h8+ch2hco	2.50E+04	2.5	11605.0
6783.	c6h12o-AD+h=>h2+c2h4+c2h5coch2	2.40E+08	1.5	2005.0
6784.	c6h12o-AD+oh=>h2o+c2h4+c2h5coch2	1.20E+06	2.0	-1192.0
6785.	c6h12o-AD+ho2=>h2o2+c2h4+c2h5coch2	1.00E+04	2.5	9400.0
6786.	c6h12o-BE+h=>h2+c3h6+ch2coch3	4.80E+08	1.5	2005.0
6787.	c6h12o-BE+oh=>h2o+c3h6+ch2coch3	2.40E+06	2.0	-1192.0
6788.	c6h12o-BE+ho2=>h2o2+c3h6+ch2coch3	1.00E+04	2.5	9400.0
6789.	c6h12o-AE+h=>h2+c3h6+ch2ch2hco	4.80E+08	1.5	2785.0
6790.	c6h12o-AE+oh=>h2o+c3h6+ch2ch2hco	2.40E+06	2.0	-1192.0
6791.	c6h12o-AE+ho2=>h2o2+c3h6+ch2ch2hco	2.50E+04	2.5	11605.0
6792.	c6h12o-AE+h=>h2+c2h4+ch3coc2h4p	2.40E+08	1.5	2005.0
6793.	c6h12o-AE+oh=>h2o+c2h4+ch3coc2h4p	1.20E+06	2.0	-1192.0
6794.	c6h12o-AE+ho2=>h2o2+c2h4+ch3coc2h4p	1.00E+04	2.5	9400.0
6795.	hexanone+h=>h2+ch2co+pc4h9	2.70E+07	2.0	5000.0
6796.	hexanone+oh=>h2o+ch2co+pc4h9	7.80E+06	2.0	-765.0
6797.	hexanone+ho2=>h2o2+ch2co+pc4h9	1.20E+12	0.0	15500.0
6798.	hexanone+ch3=>ch4+ch2co+pc4h9	6.00E+11	0.0	9600.0
6799.	hexanone+ch3o2=>ch3o2h+ch2co+pc4h9	6.00E+11	0.0	9600.0
6800.	hexanone+c2h5=>c2h6+ch2co+pc4h9	6.00E+11	0.0	11000.0
6801.	Ac7h15+o2=c7h15qjA	9.00E+18	-2.5	0.0
6802.	Bc7h15+o2=c7h15qjB	1.70E+19	-2.5	0.0
6803.	Cc7h15+o2=c7h15qjC	1.80E+19	-2.5	0.0
6804.	Dc7h15+o2=c7h15qjD	1.80E+19	-2.5	0.0
6805.	Ac7h15+ho2=c7h15ojA+oh	7.00E+12	0.0	-1000.0
6806.	Bc7h15+ho2=c7h15ojB+oh	7.00E+12	0.0	-1000.0
6807.	Cc7h15+ho2=c7h15ojC+oh	7.00E+12	0.0	-1000.0
6808.	Dc7h15+ho2=c7h15ojD+oh	7.00E+12	0.0	-1000.0
6809.	Ac7h15+ch3o2=c7h15ojA+ch3o	7.00E+12	0.0	-1000.0
6810.	Bc7h15+ch3o2=c7h15ojB+ch3o	7.00E+12	0.0	-1000.0
6811.	Cc7h15+ch3o2=c7h15ojC+ch3o	7.00E+12	0.0	-1000.0
6812.	Dc7h15+ch3o2=c7h15ojD+ch3o	7.00E+12	0.0	-1000.0
6813.	Ac7h15+c2h5o2=c7h15ojA+c2h5o	7.00E+12	0.0	-1000.0
6814.	Bc7h15+c2h5o2=c7h15ojB+c2h5o	7.00E+12	0.0	-1000.0
6815.	Cc7h15+c2h5o2=c7h15ojC+c2h5o	7.00E+12	0.0	-1000.0
6816.	Dc7h15+c2h5o2=c7h15ojD+c2h5o	7.00E+12	0.0	-1000.0
6817.	Ac7h15+nc3h7o2=c7h15ojA+nc3h7o	7.00E+12	0.0	-1000.0
6818.	Bc7h15+nc3h7o2=c7h15ojB+nc3h7o	7.00E+12	0.0	-1000.0
6819.	Cc7h15+nc3h7o2=c7h15ojC+nc3h7o	7.00E+12	0.0	-1000.0
6820.	Dc7h15+nc3h7o2=c7h15ojD+nc3h7o	7.00E+12	0.0	-1000.0
6821.	Ac7h15+ic3h7o2=c7h15ojA+ic3h7o	7.00E+12	0.0	-1000.0
6822.	Bc7h15+ic3h7o2=c7h15ojB+ic3h7o	7.00E+12	0.0	-1000.0
6823.	Cc7h15+ic3h7o2=c7h15ojC+ic3h7o	7.00E+12	0.0	-1000.0
6824.	Dc7h15+ic3h7o2=c7h15ojD+ic3h7o	7.00E+12	0.0	-1000.0
6825.	Ac7h15+c7h15qjA=2c7h15ojA	7.00E+12	0.0	-1000.0

6826.	Bc7h15+c7h15qjA=c7h15ojB+c7h15ojA	7.00E+12	0.0	-1000.0
6827.	Cc7h15+c7h15qjA=c7h15ojC+c7h15ojA	7.00E+12	0.0	-1000.0
6828.	Dc7h15+c7h15qjA=c7h15ojD+c7h15ojA	7.00E+12	0.0	-1000.0
6829.	Ac7h15+c7h15qjB=c7h15ojA+c7h15ojB	7.00E+12	0.0	-1000.0
6830.	Bc7h15+c7h15qjB=2c7h15ojB	7.00E+12	0.0	-1000.0
6831.	Cc7h15+c7h15qjB=c7h15ojC+c7h15ojB	7.00E+12	0.0	-1000.0
6832.	Dc7h15+c7h15qjB=c7h15ojD+c7h15ojB	7.00E+12	0.0	-1000.0
6833.	Ac7h15+c7h15qjC=c7h15ojA+c7h15ojC	7.00E+12	0.0	-1000.0
6834.	Bc7h15+c7h15qjC=c7h15ojB+c7h15ojC	7.00E+12	0.0	-1000.0
6835.	Cc7h15+c7h15qjC=2c7h15ojC	7.00E+12	0.0	-1000.0
6836.	Dc7h15+c7h15qjC=c7h15ojD+c7h15ojC	7.00E+12	0.0	-1000.0
6837.	Ac7h15+c7h15qjD=c7h15ojA+c7h15ojD	7.00E+12	0.0	-1000.0
6838.	Bc7h15+c7h15qjD=c7h15ojB+c7h15ojD	7.00E+12	0.0	-1000.0
6839.	Cc7h15+c7h15qjD=c7h15ojC+c7h15ojD	7.00E+12	0.0	-1000.0
6840.	Dc7h15+c7h15qjD=2c7h15ojD	7.00E+12	0.0	-1000.0
6841.	c7h15ojA=ch2o+Ac6h13	4.72E+19	-1.9	14898.5
6842.	c7h15ojB=ch3hco+Ac5h11	8.06E+09	1.2	9903.0
6843.	c7h15ojB=ch3+c5h11hco	5.10E+11	0.6	15328.0
6844.	c7h15ojC=ethco+pc4h9	1.81E+12	0.5	10510.0
6845.	c7h15ojC=c2h5+nc4h9hco	1.53E+14	0.0	10260.0
6846.	c7h15ojD=nc3h7+nc3h7hco	7.35E+15	-0.3	11711.0
6847.	c7h15qA=oh+c7h15ojA	1.50E+16	0.0	42500.0
6848.	c7h15qB=oh+c7h15ojB	1.25E+16	0.0	41600.0
6849.	c7h15qC=oh+c7h15ojC	1.25E+16	0.0	41600.0
6850.	c7h15qD=oh+c7h15ojD	1.25E+16	0.0	41600.0
6851.	c7h15qjA=c7h14rBqA	5.70E+08	1.0	32500.0
6852.	c7h15qjA=c7h14rCqA	9.90E+07	1.0	25000.0
6853.	c7h15qjA=c7h14rDqA	1.70E+07	1.0	22000.0
6854.	c7h15qjA=c7h14rEqA	2.90E+06	1.0	21000.0
6855.	c7h15qjB=c7h14rAqB	8.65E+08	1.0	35500.0
6856.	c7h15qjB=c7h14rCqB	5.70E+08	1.0	32500.0
6857.	c7h15qjB=c7h14rDqB	9.90E+07	1.0	25000.0
6858.	c7h15qjB=c7h14rEqB	1.70E+07	1.0	22000.0
6859.	c7h15qjB=c7h14rFqB	2.90E+06	1.0	21000.0
6860.	c7h15qjC=c7h14rAqC	1.48E+08	1.0	28000.0
6861.	c7h15qjC=c7h14rBqC	5.70E+08	1.0	32500.0
6862.	c7h15qjC=c7h14rDqC	5.70E+08	1.0	32500.0
6863.	c7h15qjC=c7h14rEqC	9.90E+07	1.0	25000.0
6864.	c7h15qjC=c7h14rFqC	1.70E+07	1.0	22000.0
6865.	c7h15qjC=c7h14rGqC	2.55E+07	1.0	24000.0
6866.	c7h15qjD=c7h14rAqD	5.06E+07	1.0	25000.0
6867.	c7h15qjD=c7h14rBqD	1.98E+08	1.0	25000.0
6868.	c7h15qjD=c7h14rCqD	1.14E+09	1.0	32500.0
6869.	c7h15qjA+ho2=c7h15qA+o2	2.90E+11	0.0	1550.0
6870.	c7h15qjD+ho2=c7h15qB+o2	2.90E+11	0.0	1550.0
6871.	c7h15qjC+ho2=c7h15qC+o2	2.90E+11	0.0	1550.0
6872.	c7h15qjB+ho2=c7h15qD+o2	2.90E+11	0.0	1550.0
6873.	c7h15qjA+ho2=c7h15ojA+oh+o2	1.00E+11	0.0	0.0
6874.	c7h15qjD+ho2=c7h15ojB+oh+o2	1.00E+11	0.0	0.0
6875.	c7h15qjC+ho2=c7h15ojC+oh+o2	1.00E+11	0.0	0.0
6876.	c7h15qjB+ho2=c7h15ojD+oh+o2	1.00E+11	0.0	0.0
6877.	c7h15qjA+ch3o2=c7h15ojA+ch3o+o2	1.00E+11	0.0	0.0
6878.	c7h15qjD+ch3o2=c7h15ojB+ch3o+o2	1.00E+11	0.0	0.0
6879.	c7h15qjC+ch3o2=c7h15ojC+ch3o+o2	1.00E+11	0.0	0.0
6880.	c7h15qjB+ch3o2=c7h15ojD+ch3o+o2	1.00E+11	0.0	0.0
6881.	c7h15qjA+c2h5o2=c7h15ojA+c2h5o+o2	1.00E+11	0.0	0.0
6882.	c7h15qjD+c2h5o2=c7h15ojB+c2h5o+o2	1.00E+11	0.0	0.0
6883.	c7h15qjC+c2h5o2=c7h15ojC+c2h5o+o2	1.00E+11	0.0	0.0
6884.	c7h15qjB+c2h5o2=c7h15ojD+c2h5o+o2	1.00E+11	0.0	0.0
6885.	c7h15qjA+nc3h7o2=c7h15ojA+nc3h7o+o2	1.00E+11	0.0	0.0
6886.	c7h15qjD+nc3h7o2=c7h15ojB+nc3h7o+o2	1.00E+11	0.0	0.0

6887.	c7h15qjC+nc3h7o2=c7h15ojC+nc3h7o+o2	1.00E+11	0.0	0.0
6888.	c7h15qjB+nc3h7o2=c7h15ojD+nc3h7o+o2	1.00E+11	0.0	0.0
6889.	c7h15qjA+c7h15qjA=c7h15ojA+c7h15ojA+o2	1.00E+11	0.0	0.0
6890.	c7h15qjA+c7h15qjB=c7h15ojA+c7h15ojB+o2	1.00E+11	0.0	0.0
6891.	c7h15qjA+c7h15qjC=c7h15ojA+c7h15ojC+o2	1.00E+11	0.0	0.0
6892.	c7h15qjA+c7h15qjD=c7h15ojA+c7h15ojD+o2	1.00E+11	0.0	0.0
6893.	c7h15qjB+c7h15qjB=c7h15ojB+c7h15ojB+o2	1.00E+11	0.0	0.0
6894.	c7h15qjB+c7h15qjC=c7h15ojB+c7h15ojC+o2	1.00E+11	0.0	0.0
6895.	c7h15qjB+c7h15qjD=c7h15ojB+c7h15ojD+o2	1.00E+11	0.0	0.0
6896.	c7h15qjC+c7h15qjC=c7h15ojC+c7h15ojC+o2	1.00E+11	0.0	0.0
6897.	c7h15qjC+c7h15qjD=c7h15ojC+c7h15ojD+o2	1.00E+11	0.0	0.0
6898.	c7h15qjD+c7h15qjD=c7h15ojD+c7h15ojD+o2	1.00E+11	0.0	0.0
6899.	c7h14rDqA=c5h10+c2h4o2h	2.00E+13	0.0	28700.0
6900.	c7h14rEqA=c4h8+c3h6ooh1-3	2.00E+13	0.0	28700.0
6901.	c7h14rEqB=c4h8+c3h6ooh2-1	2.00E+13	0.0	28700.0
6902.	c7h14rFqB=c3h6+c4h8rDqB	2.00E+13	0.0	28700.0
6903.	c7h14rFqC=c3h6+c4h8rAqB	2.00E+13	0.0	28700.0
6904.	c7h14rGqC=c2h4+c5h10rAqC	2.00E+13	0.0	28700.0
6905.	c7h14rAqD=c2h4+c5h10rAqB	2.00E+13	0.0	28700.0
6906.	c7h14rBqA+o2=c7h14qjBqA	1.80E+19	-2.5	0.0
6907.	c7h14rCqA+o2=c7h14qjCqA	1.80E+19	-2.5	0.0
6908.	c7h14rDqA+o2=c7h14qjDqA	1.80E+19	-2.5	0.0
6909.	c7h14rEqA+o2=c7h14qjEqA	1.80E+19	-2.5	0.0
6910.	c7h14rAqB+o2=c7h14qjAqB	1.50E+18	-2.5	0.0
6911.	c7h14rCqB+o2=c7h14qjCqB	1.05E+19	-2.5	0.0
6912.	c7h14rDqB+o2=c7h14qjDqB	1.80E+19	-2.5	0.0
6913.	c7h14rEqB+o2=c7h14qjEqB	1.80E+19	-2.5	0.0
6914.	c7h14rFqB+o2=c7h14qjFqB	1.70E+19	-2.5	0.0
6915.	c7h14rAqC+o2=c7h14qjAqC	9.00E+18	-2.5	0.0
6916.	c7h14rBqC+o2=c7h14qjBqC	9.50E+18	-2.5	0.0
6917.	c7h14rDqC+o2=c7h14qjDqC	1.05E+19	-2.5	0.0
6918.	c7h14rEqC+o2=c7h14qjEqC	1.80E+19	-2.5	0.0
6919.	c7h14rFqC+o2=c7h14qjFqC	1.70E+19	-2.5	0.0
6920.	c7h14rGqC+o2=c7h14qjGqC	9.00E+18	-2.5	0.0
6921.	c7h14rAqD+o2=c7h14qjAqD	9.00E+18	-2.5	0.0
6922.	c7h14rBqD+o2=c7h14qjBqD	1.70E+19	-2.5	0.0
6923.	c7h14rCqD+o2=c7h14qjCqD	1.05E+19	-2.5	0.0
6924.	c7h14rAqC=oh+c2h4+nc4h9hco	2.66E+04	3.0	24773.0
6925.	c7h14rCqA=oh+ch2o+c6h12-1	1.47E+13	0.4	28543.0
6926.	c7h14rBqD=oh+nc3h7hco+c3h6	4.72E+03	3.3	23974.0
6927.	c7h14rDqB=oh+ch3hco+c5h10	1.42E+05	2.9	24777.0
6928.	c7h14rEqC=oh+ethco+c4h8	3.96E+04	3.1	24093.0
6929.	c7h14rBqA=oh+c7h14o-AB	1.38E+12	0.0	15900.0
6930.	c7h14rCqA=oh+c7h14o-AC	2.04E+11	0.0	19500.0
6931.	c7h14rDqA=oh+c7h14o-AD	3.63E+10	0.0	13000.0
6932.	c7h14rEqA=oh+c7h14o-AE	1.70E+08	0.0	1950.0
6933.	c7h14rAqB=oh+c7h14o-AB	1.38E+12	0.0	15900.0
6934.	c7h14rCqB=oh+c7h14o-BC	1.38E+12	0.0	15900.0
6935.	c7h14rDqB=oh+c7h14o-BD	2.04E+11	0.0	19500.0
6936.	c7h14rEqB=oh+c7h14o-BE	3.63E+10	0.0	13000.0
6937.	c7h14rFqB=oh+c7h14o-BF	1.70E+08	0.0	1950.0
6938.	c7h14rBqC=oh+c7h14o-BC	1.38E+12	0.0	15900.0
6939.	c7h14rAqC=oh+c7h14o-AC	2.04E+11	0.0	19500.0
6940.	c7h14rDqC=oh+c7h14o-CD	1.38E+12	0.0	15900.0
6941.	c7h14rEqC=oh+c7h14o-CE	2.04E+11	0.0	19500.0
6942.	c7h14rFqC=oh+c7h14o-BE	3.63E+10	0.0	13000.0
6943.	c7h14rGqC=oh+c7h14o-AE	1.70E+08	0.0	1950.0
6944.	c7h14rCqD=oh+c7h14o-CD	1.38E+12	0.0	15900.0
6945.	c7h14rBqD=oh+c7h14o-BD	2.04E+11	0.0	19500.0
6946.	c7h14rAqD=oh+c7h14o-AD	3.63E+10	0.0	13000.0
6947.	ho2+c7h14-1=c7h14rAqB	1.50E+11	0.0	7800.0

6948.	ho2+c7h14-1=c7h14rBqA	1.50E+11	0.0	7800.0
6949.	ho2+c7h14-2=c7h14rBqC	1.50E+11	0.0	7800.0
6950.	ho2+c7h14-2=c7h14rCqB	1.50E+11	0.0	7800.0
6951.	ho2+c7h14-3=c7h14rCqD	1.50E+11	0.0	7800.0
6952.	ho2+c7h14-3=c7h14rDqC	1.50E+11	0.0	7800.0
6953.	c7h14qjBqA=>oh+c7h13oAqB	3.35E+09	1.0	33500.0
6954.	c7h14qjCqA=>oh+c7h13oAqC	5.75E+08	1.0	26000.0
6955.	c7h14qjDqA=>oh+c7h13oAqD	9.89E+07	1.0	23000.0
6956.	c7h14qjEqA=>oh+c7h13oAqE	1.70E+07	1.0	22000.0
6957.	c7h14qjAqB=>oh+c7h13oBqA	1.67E+09	1.0	30500.0
6958.	c7h14qjCqB=>oh+c7h13oBqC	1.67E+09	1.0	30500.0
6959.	c7h14qjDqB=>oh+c7h13oBqD	2.87E+08	1.0	23000.0
6960.	c7h14qjEqB=>oh+c7h13oBqE	4.94E+07	1.0	20000.0
6961.	c7h14qjFqB=>oh+c7h13oBqF	8.49E+06	1.0	19000.0
6962.	c7h14qjAqC=>oh+c7h13oCqA	2.87E+08	1.0	23000.0
6963.	c7h14qjBqC=>oh+c7h13oCqB	1.67E+09	1.0	30500.0
6964.	c7h14qjDqC=>oh+c7h13oCqD	1.67E+09	1.0	30500.0
6965.	c7h14qjEqC=>oh+c7h13oCqE	2.87E+08	1.0	23000.0
6966.	c7h14qjFqC=>oh+c7h13oCqF	4.94E+07	1.0	20000.0
6967.	c7h14qjGqC=>oh+c7h13oCqG	8.49E+06	1.0	19000.0
6968.	c7h14qjAqD=>oh+c7h13oDqA	4.94E+07	1.0	20000.0
6969.	c7h14qjBqD=>oh+c7h13oDqB	2.87E+08	1.0	23000.0
6970.	c7h14qjCqD=>oh+c7h13oDqC	1.67E+09	1.0	30500.0
6971.	c7h13oAqB=>oh+hco+c5h11hco	1.00E+16	0.0	43000.0
6972.	c7h13oAqC=>oh+ch2hco+nc4h9hco	1.00E+16	0.0	43000.0
6973.	c7h13oAqD=>oh+nc3h7hco+ch2ch2hco	1.00E+16	0.0	43000.0
6974.	c7h13oAqE=>oh+ethco+c3h6cho-1	1.00E+16	0.0	43000.0
6975.	c7h13oBqA=>oh+c2h2o+c5h11co	1.00E+16	0.0	43000.0
6976.	c7h13oBqC=>oh+ch3co+nc4h9hco	1.00E+16	0.0	43000.0
6977.	c7h13oBqD=>oh+nc3h7hco+ch2coch3	1.00E+16	0.0	43000.0
6978.	c7h13oBqE=>oh+ch3coc2h4p+ethco	1.00E+16	0.0	43000.0
6979.	c7h13oBqF=>oh+ch3hco+c3h6coch3-1	1.00E+16	0.0	43000.0
6980.	c7h13oCqA=>oh+ch2o+nc4h9coch2	1.00E+16	0.0	43000.0
6981.	c7h13oCqB=>oh+ch3hco+nc4h9co	1.00E+16	0.0	43000.0
6982.	c7h13oCqD=>oh+c2h5co+nc3h7hco	1.00E+16	0.0	43000.0
6983.	c7h13oCqE=>oh+c2h5coch2+ethco	1.00E+16	0.0	43000.0
6984.	c7h13oCqF=>oh+ch3hco+c2h5coc2h4p	1.00E+16	0.0	43000.0
6985.	c7h13oCqG=>oh+ch2o+c2h5coc3h6-1	1.00E+16	0.0	43000.0
6986.	c7h13oDqA=>oh+ch2o+nc3h7coc2h4p	1.00E+16	0.0	43000.0
6987.	c7h13oDqB=>oh+ch3hco+nc3h7coch2	1.00E+16	0.0	43000.0
6988.	c7h13oDqC=>oh+ethco+c3h7co	1.00E+16	0.0	43000.0
6989.	c7h14o-AB+h=>h2+acrol+pc4h9	4.80E+08	1.5	2785.0
6990.	c7h14o-AB+oh=>h2o+acrol+pc4h9	2.40E+06	2.0	-1192.0
6991.	c7h14o-AB+ho2=>h2o2+acrol+pc4h9	2.50E+04	2.5	11605.0
6992.	c7h14o-AB+h=>h2+nc5h11coch2	2.40E+08	1.5	2005.0
6993.	c7h14o-AB+oh=>h2o+nc5h11coch2	1.20E+06	2.0	-1192.0
6994.	c7h14o-AB+ho2=>h2o2+nc5h11coch2	1.00E+04	2.5	9400.0
6995.	c7h14o-BC+h=>h2+mvk+nc3h7	2.40E+08	1.5	2005.0
6996.	c7h14o-BC+oh=>h2o+mvk+nc3h7	1.20E+06	2.0	-1192.0
6997.	c7h14o-BC+ho2=>h2o2+mvk+nc3h7	1.00E+04	2.5	9400.0
6998.	c7h14o-BC+h=>h2+ch3chco+pc4h9	2.40E+08	1.5	2005.0
6999.	c7h14o-BC+oh=>h2o+ch3chco+pc4h9	1.20E+06	2.0	-1192.0
7000.	c7h14o-BC+ho2=>h2o2+ch3chco+pc4h9	1.00E+04	2.5	9400.0
7001.	c7h14o-CD+h=>h2+c2h5coc2h3+c2h5	2.40E+08	1.5	2005.0
7002.	c7h14o-CD+oh=>h2o+c2h5coc2h3+c2h5	1.20E+06	2.0	-1192.0
7003.	c7h14o-CD+ho2=>h2o2+c2h5coc2h3+c2h5	1.00E+04	2.5	9400.0
7004.	c7h14o-CD+h=>h2+ch3+c2h3coc3h7	2.40E+08	1.5	2005.0
7005.	c7h14o-CD+oh=>h2o+ch3+c2h3coc3h7	1.20E+06	2.0	-1192.0
7006.	c7h14o-CD+ho2=>h2o2+ch3+c2h3coc3h7	1.00E+04	2.5	9400.0
7007.	c7h14o-AC+h=>h2+hco+c6h12-1	4.80E+08	1.5	2785.0
7008.	c7h14o-AC+oh=>h2o+hco+c6h12-1	2.40E+06	2.0	-1192.0

7009.	c7h14o-AC+ho2=>h2o2+hco+c6h12-1	2.50E+04	2.5	11605.0
7010.	c7h14o-AC+h=>h2+nc4h9coc2h4p	2.40E+08	1.5	2005.0
7011.	c7h14o-AC+oh=>h2o+nc4h9coc2h4p	1.20E+06	2.0	-1192.0
7012.	c7h14o-AC+ho2=>h2o2+nc4h9coc2h4p	1.00E+04	2.5	9400.0
7013.	c7h14o-BD+h=>h2+c5h10+ch3co	2.40E+08	1.5	2005.0
7014.	c7h14o-BD+oh=>h2o+c5h10+ch3co	1.20E+06	2.0	-1192.0
7015.	c7h14o-BD+ho2=>h2o2+c5h10+ch3co	1.00E+04	2.5	9400.0
7016.	c7h14o-BD+h=>h2+c3h6+c3h7co	2.40E+08	1.5	2005.0
7017.	c7h14o-BD+oh=>h2o+c3h6+c3h7co	1.20E+06	2.0	-1192.0
7018.	c7h14o-BD+ho2=>h2o2+c3h6+c3h7co	1.00E+04	2.5	9400.0
7019.	c7h14o-CE+h=>h2+c4h8+c2h5co	4.80E+08	1.5	2005.0
7020.	c7h14o-CE+oh=>h2o+c4h8+c2h5co	2.40E+06	2.0	-1192.0
7021.	c7h14o-CE+ho2=>h2o2+c4h8+c2h5co	1.00E+04	2.5	9400.0
7022.	c7h14o-AD+h=>h2+ch2hco+c5h10	4.80E+08	1.5	2785.0
7023.	c7h14o-AD+oh=>h2o+ch2hco+c5h10	2.40E+13	0.0	5955.0
7024.	c7h14o-AD+ho2=>h2o2+ch2hco+c5h10	2.50E+04	2.5	11605.0
7025.	c7h14o-AD+h=>h2+nc3h7coc3h6-1	2.40E+08	1.5	2005.0
7026.	c7h14o-AD+oh=>h2o+nc3h7coc3h6-1	1.20E+06	2.0	-1192.0
7027.	c7h14o-AD+ho2=>h2o2+nc3h7coc3h6-1	1.00E+04	2.5	9400.0
7028.	c7h14o-BE+h=>h2+c4h8+ch2coch3	2.40E+08	1.5	2005.0
7029.	c7h14o-BE+oh=>h2o+c4h8+ch2coch3	1.20E+06	2.0	-1192.0
7030.	c7h14o-BE+ho2=>h2o2+c4h8+ch2coch3	1.00E+04	2.5	9400.0
7031.	c7h14o-BE+h=>h2+c3h6+c2h5coch2	2.40E+08	1.5	2005.0
7032.	c7h14o-BE+oh=>h2o+c3h6+c2h5coch2	1.20E+06	2.0	-1192.0
7033.	c7h14o-BE+ho2=>h2o2+c3h6+c2h5coch2	1.00E+04	2.5	9400.0
7034.	c7h14o-AE+h=>h2+ch2ch2hco+c4h8	4.80E+08	1.5	2785.0
7035.	c7h14o-AE+oh=>h2o+ch2ch2hco+c4h8	2.40E+06	2.0	-1192.0
7036.	c7h14o-AE+ho2=>h2o2+ch2ch2hco+c4h8	2.50E+04	2.5	11605.0
7037.	c7h14o-AE+h=>h2+c2h4+c2h5coc2h4p	2.40E+08	1.5	2005.0
7038.	c7h14o-AE+oh=>h2o+c2h4+c2h5coc2h4p	1.20E+06	2.0	-1192.0
7039.	c7h14o-AE+ho2=>h2o2+c2h4+c2h5coc2h4p	1.00E+04	2.5	9400.0
7040.	c7h14o-BF+h=>h2+c2h4+c3h6coch3-1	4.80E+08	1.5	2005.0
7041.	c7h14o-BF+oh=>h2o+c2h4+c3h6coch3-1	2.40E+06	2.0	-1192.0
7042.	c7h14o-BF+ho2=>h2o2+c2h4+c3h6coch3-1	1.00E+04	2.5	9400.0
7043.	c7h14-1+ho2=oh+c7h14o-AB	1.00E+12	0.0	14400.0
7044.	c7h14-2+ho2=oh+c7h14o-BC	1.00E+12	0.0	14400.0
7045.	c7h14-3+ho2=oh+c7h14o-CD	1.00E+12	0.0	14400.0
7046.	heptanone+h=>h2+ch2co+ch3+2c2h4	2.70E+07	2.0	5000.0
7047.	heptanone+oh=>h2o+ch2co+ch3+2c2h4	7.80E+06	2.0	-765.0
7048.	heptanone+ho2=>h2o2+ch2co+ch3+2c2h4	1.20E+12	0.0	15500.0
7049.	heptanone+ch3=>ch4+ch2co+ch3+2c2h4	6.00E+11	0.0	9600.0
7050.	heptanone+ch3o2=>ch3o2h+ch2co+ch3+2c2h4	6.00E+11	0.0	9600.0
7051.	heptanone+c2h5=>c2h6+ch2co+ch3+2c2h4	6.00E+11	0.0	11000.0
7052.	c6h11hco=Fc6h11-1+hco	7.25E+16	0.0	82400.0
7053.	c6h11hco+o2=c6h11co+ho2	2.00E+13	0.5	42200.0
7054.	c6h11hco+ho2=c6h11co+h2o2	1.70E+12	0.0	10700.0
7055.	c6h11hco+oh=c6h11co+h2o	2.35E+10	0.7	-1113.0
7056.	c6h11hco+o=c6h11co+oh	5.85E+12	0.0	1808.0
7057.	c6h11hco+h=c6h11co+h2	5.54E+02	3.5	5167.0
7058.	c6h11hco+ch3=c6h11co+ch4	2.25E+00	4.0	8285.0
7059.	c6h11hco+c2h5=c6h11co+c2h6	1.64E+00	3.6	9141.0
7060.	c6h11hco+hco=c6h11co+ch2o	4.70E+04	2.7	18235.0
7061.	c6h11hco+c2h3=c6h11co+c2h4	8.50E+09	0.0	6000.0
7062.	c6h11co=Fc6h11-1+co	2.00E+13	0.0	28700.0
7063.	Ac8h17+o2=c8h17qjA	9.00E+18	-2.5	0.0
7064.	Bc8h17+o2=c8h17qjB	1.70E+19	-2.5	0.0
7065.	Cc8h17+o2=c8h17qjC	1.80E+19	-2.5	0.0
7066.	Dc8h17+o2=c8h17qjD	1.80E+19	-2.5	0.0
7067.	Ac8h17+ho2=c8h17ojA+oh	7.00E+12	0.0	-1000.0
7068.	Bc8h17+ho2=c8h17ojB+oh	7.00E+12	0.0	-1000.0
7069.	Cc8h17+ho2=c8h17ojC+oh	7.00E+12	0.0	-1000.0

7070.	Dc8h17+ho2=c8h17ojD+oh	7.00E+12	0.0	-1000.0
7071.	Ac8h17+ch3o2=c8h17ojA+ch3o	7.00E+12	0.0	-1000.0
7072.	Bc8h17+ch3o2=c8h17ojB+ch3o	7.00E+12	0.0	-1000.0
7073.	Cc8h17+ch3o2=c8h17ojC+ch3o	7.00E+12	0.0	-1000.0
7074.	Dc8h17+ch3o2=c8h17ojD+ch3o	7.00E+12	0.0	-1000.0
7075.	Ac8h17+c2h5o2=c8h17ojA+c2h5o	7.00E+12	0.0	-1000.0
7076.	Bc8h17+c2h5o2=c8h17ojB+c2h5o	7.00E+12	0.0	-1000.0
7077.	Cc8h17+c2h5o2=c8h17ojC+c2h5o	7.00E+12	0.0	-1000.0
7078.	Dc8h17+c2h5o2=c8h17ojD+c2h5o	7.00E+12	0.0	-1000.0
7079.	Ac8h17+nc3h7o2=c8h17ojA+nc3h7o	7.00E+12	0.0	-1000.0
7080.	Bc8h17+nc3h7o2=c8h17ojB+nc3h7o	7.00E+12	0.0	-1000.0
7081.	Cc8h17+nc3h7o2=c8h17ojC+nc3h7o	7.00E+12	0.0	-1000.0
7082.	Dc8h17+nc3h7o2=c8h17ojD+nc3h7o	7.00E+12	0.0	-1000.0
7083.	Ac8h17+ic3h7o2=c8h17ojA+ic3h7o	7.00E+12	0.0	-1000.0
7084.	Bc8h17+ic3h7o2=c8h17ojB+ic3h7o	7.00E+12	0.0	-1000.0
7085.	Cc8h17+ic3h7o2=c8h17ojC+ic3h7o	7.00E+12	0.0	-1000.0
7086.	Dc8h17+ic3h7o2=c8h17ojD+ic3h7o	7.00E+12	0.0	-1000.0
7087.	Ac8h17+c8h17qjA=2c8h17ojA	7.00E+12	0.0	-1000.0
7088.	Bc8h17+c8h17qjA=c8h17ojB+c8h17ojA	7.00E+12	0.0	-1000.0
7089.	Cc8h17+c8h17qjA=c8h17ojC+c8h17ojA	7.00E+12	0.0	-1000.0
7090.	Dc8h17+c8h17qjA=c8h17ojD+c8h17ojA	7.00E+12	0.0	-1000.0
7091.	Ac8h17+c8h17qjB=c8h17ojA+c8h17ojB	7.00E+12	0.0	-1000.0
7092.	Bc8h17+c8h17qjB=2c8h17ojB	7.00E+12	0.0	-1000.0
7093.	Cc8h17+c8h17qjB=c8h17ojC+c8h17ojB	7.00E+12	0.0	-1000.0
7094.	Dc8h17+c8h17qjB=c8h17ojD+c8h17ojB	7.00E+12	0.0	-1000.0
7095.	Ac8h17+c8h17qjC=c8h17ojA+c8h17ojC	7.00E+12	0.0	-1000.0
7096.	Bc8h17+c8h17qjC=c8h17ojB+c8h17ojC	7.00E+12	0.0	-1000.0
7097.	Cc8h17+c8h17qjC=2c8h17ojC	7.00E+12	0.0	-1000.0
7098.	Dc8h17+c8h17qjC=c8h17ojD+c8h17ojC	7.00E+12	0.0	-1000.0
7099.	Ac8h17+c8h17qjD=c8h17ojA+c8h17ojD	7.00E+12	0.0	-1000.0
7100.	Bc8h17+c8h17qjD=c8h17ojB+c8h17ojD	7.00E+12	0.0	-1000.0
7101.	Cc8h17+c8h17qjD=c8h17ojC+c8h17ojD	7.00E+12	0.0	-1000.0
7102.	Dc8h17+c8h17qjD=2c8h17ojD	7.00E+12	0.0	-1000.0
7103.	c8h17ojA=ch2o+Ac7h15	1.15E+19	-1.7	14691.0
7104.	c8h17ojB=ch3hco+Ac6h13	6.40E+18	-1.5	13021.0
7105.	c8h17ojB=ch3+c6h13hco	9.01E+16	-1.0	16533.0
7106.	c8h17ojC=ethco+Ac5h11	6.65E+18	-1.5	12880.0
7107.	c8h17ojC=c2h5+c5h11hco	7.61E+20	-2.1	12641.0
7108.	c8h17ojD=nc3h7+nc4h9hco	4.52E+19	-1.7	13356.0
7109.	c8h17ojD=nc3h7hco+pc4h9	1.94E+20	-1.8	13104.0
7110.	c8h17qA=oh+c8h17ojA	1.50E+16	0.0	42500.0
7111.	c8h17qB=oh+c8h17ojB	1.25E+16	0.0	41600.0
7112.	c8h17qC=oh+c8h17ojC	1.25E+16	0.0	41600.0
7113.	c8h17qD=oh+c8h17ojD	1.25E+16	0.0	41600.0
7114.	c8h17qjA=c8h16rBqA	5.70E+08	1.0	32500.0
7115.	c8h17qjA=c8h16rCqA	9.90E+07	1.0	25000.0
7116.	c8h17qjA=c8h16rDqA	1.70E+07	1.0	22000.0
7117.	c8h17qjA=c8h16rEqA	2.90E+06	1.0	21000.0
7118.	c8h17qjB=c8h16rAqB	8.65E+08	1.0	35500.0
7119.	c8h17qjB=c8h16rCqB	5.70E+08	1.0	32500.0
7120.	c8h17qjB=c8h16rDqB	9.90E+07	1.0	25000.0
7121.	c8h17qjB=c8h16rEqB	1.70E+07	1.0	22000.0
7122.	c8h17qjB=c8h16rFqB	2.90E+06	1.0	21000.0
7123.	c8h17qjC=c8h16rAqC	1.48E+08	1.0	28000.0
7124.	c8h17qjC=c8h16rBqC	5.70E+08	1.0	32500.0
7125.	c8h17qjC=c8h16rDqC	5.70E+08	1.0	32500.0
7126.	c8h17qjC=c8h16rEqC	9.90E+07	1.0	25000.0
7127.	c8h17qjC=c8h16rFqC	1.70E+07	1.0	22000.0
7128.	c8h17qjC=c8h16rGqC	2.90E+06	1.0	21000.0
7129.	c8h17qjD=c8h16rAqD	2.53E+07	1.0	25000.0
7130.	c8h17qjD=c8h16rBqD	9.90E+07	1.0	25000.0



7131.	c8h17qjD=c8h16rCqD	5.70E+08	1.0	32500.0
7132.	c8h17qjD=c8h16rEqD	5.70E+08	1.0	32500.0
7133.	c8h17qjD=c8h16rFqD	9.90E+07	1.0	25000.0
7134.	c8h17qjD=c8h16rGqD	1.70E+07	1.0	22000.0
7135.	c8h17qjD=c8h16rHqD	2.90E+06	1.0	21000.0
7136.	c8h17qjA+ho2=c8h17qA+o2	2.90E+11	0.0	1550.0
7137.	c8h17qjB+ho2=c8h17qB+o2	2.90E+11	0.0	1550.0
7138.	c8h17qjC+ho2=c8h17qC+o2	2.90E+11	0.0	1550.0
7139.	c8h17qjD+ho2=c8h17qD+o2	2.90E+11	0.0	1550.0
7140.	c8h17qjA+h2o2=c8h17qA+ho2	2.40E+12	0.0	10000.0
7141.	c8h17qjB+h2o2=c8h17qB+ho2	2.40E+12	0.0	10000.0
7142.	c8h17qjC+h2o2=c8h17qC+ho2	2.40E+12	0.0	10000.0
7143.	c8h17qjD+h2o2=c8h17qD+ho2	2.40E+12	0.0	10000.0
7144.	c8h17qjA+ho2=c8h17ojA+oh+o2	1.00E+11	0.0	0.0
7145.	c8h17qjB+ho2=c8h17ojB+oh+o2	1.00E+11	0.0	0.0
7146.	c8h17qjC+ho2=c8h17ojC+oh+o2	1.00E+11	0.0	0.0
7147.	c8h17qjD+ho2=c8h17ojD+oh+o2	1.00E+11	0.0	0.0
7148.	c8h17qjA+ch3o2=c8h17ojA+ch3o+o2	1.40E+16	-1.6	1860.0
7149.	c8h17qjB+ch3o2=c8h17ojB+ch3o+o2	1.40E+16	-1.6	1860.0
7150.	c8h17qjC+ch3o2=c8h17ojC+ch3o+o2	1.40E+16	-1.6	1860.0
7151.	c8h17qjD+ch3o2=c8h17ojD+ch3o+o2	1.40E+16	-1.6	1860.0
7152.	c8h17qjA+c8h17qjA=c8h17ojA+c8h17ojA+o2	1.40E+16	-1.6	1860.0
7153.	c8h17qjA+c8h17qjB=c8h17ojA+c8h17ojB+o2	1.40E+16	-1.6	1860.0
7154.	c8h17qjA+c8h17qjC=c8h17ojA+c8h17ojC+o2	1.40E+16	-1.6	1860.0
7155.	c8h17qjA+c8h17qjD=c8h17ojA+c8h17ojD+o2	1.40E+16	-1.6	1860.0
7156.	c8h17qjB+c8h17qjB=c8h17ojB+c8h17ojB+o2	1.40E+16	-1.6	1860.0
7157.	c8h17qjB+c8h17qjC=c8h17ojB+c8h17ojC+o2	1.40E+16	-1.6	1860.0
7158.	c8h17qjB+c8h17qjD=c8h17ojB+c8h17ojD+o2	1.40E+16	-1.6	1860.0
7159.	c8h17qjC+c8h17qjC=c8h17ojC+c8h17ojC+o2	1.40E+16	-1.6	1860.0
7160.	c8h17qjC+c8h17qjD=c8h17ojC+c8h17ojD+o2	1.40E+16	-1.6	1860.0
7161.	c8h17qjD+c8h17qjD=c8h17ojD+c8h17ojD+o2	1.40E+16	-1.6	1860.0
7162.	c8h16rBqA+o2=c8h16qjBqA	1.70E+19	-2.5	0.0
7163.	c8h16rCqA+o2=c8h16qjCqA	1.80E+19	-2.5	0.0
7164.	c8h16rDqA+o2=c8h16qjDqA	1.80E+19	-2.5	0.0
7165.	c8h16rEqA+o2=c8h16qjEqA	1.80E+19	-2.5	0.0
7166.	c8h16rAqB+o2=c8h16qjAqB	9.00E+18	-2.5	0.0
7167.	c8h16rCqB+o2=c8h16qjCqB	1.80E+19	-2.5	0.0
7168.	c8h16rDqB+o2=c8h16qjDqB	1.80E+19	-2.5	0.0
7169.	c8h16rEqB+o2=c8h16qjEqB	1.80E+19	-2.5	0.0
7170.	c8h16rFqB+o2=c8h16qjFqB	1.80E+19	-2.5	0.0
7171.	c8h16rAqC+o2=c8h16qjAqC	9.00E+18	-2.5	0.0
7172.	c8h16rBqC+o2=c8h16qjBqC	1.70E+19	-2.5	0.0
7173.	c8h16rDqC+o2=c8h16qjDqC	1.80E+19	-2.5	0.0
7174.	c8h16rEqC+o2=c8h16qjEqC	1.80E+19	-2.5	0.0
7175.	c8h16rFqC+o2=c8h16qjFqC	1.80E+19	-2.5	0.0
7176.	c8h16rGqC+o2=c8h16qjGqC	1.70E+19	-2.5	0.0
7177.	c8h16rAqD+o2=c8h16qjAqD	9.00E+18	-2.5	0.0
7178.	c8h16rBqD+o2=c8h16qjBqD	1.70E+19	-2.5	0.0
7179.	c8h16rCqD+o2=c8h16qjCqD	1.80E+19	-2.5	0.0
7180.	c8h16rEqD+o2=c8h16qjEqD	1.80E+19	-2.5	0.0
7181.	c8h16rFqD+o2=c8h16qjFqD	1.80E+19	-2.5	0.0
7182.	c8h16rGqD+o2=c8h16qjGqD	1.70E+19	-2.5	0.0
7183.	c8h16rHqD+o2=c8h16qjHqD	9.00E+18	-2.5	0.0
7184.	c8h16rAqC=>oh+c2h4+c5h11hco	5.00E+13	0.0	25500.0
7185.	c8h16rCqA=>oh+ch2o+c7h14-1	5.00E+13	0.0	25500.0
7186.	c8h16rBqD=>oh+c3h6+nc4h9hco	5.00E+13	0.0	25500.0
7187.	c8h16rDqB=>oh+c6h12-1+ch3hco	5.00E+13	0.0	25500.0
7188.	c8h16rFqD=>oh+c4h8+nc3h7hco	5.00E+13	0.0	25500.0
7189.	c8h16rEqC=>oh+ethco+c5h10	5.00E+13	0.0	25500.0
7190.	c8h16rBqA=oh+c8h16o-AB	1.38E+12	0.0	15900.0
7191.	c8h16rCqA=oh+c8h16o-AC	2.04E+11	0.0	19500.0

7192.	c8h16rDqA=oh+c8h16o-AD	3.63E+10	0.0	13000.0
7193.	c8h16rEqA=oh+c8h16o-AE	1.70E+08	0.0	1950.0
7194.	c8h16rAqB=oh+c8h16o-AB	1.38E+12	0.0	15900.0
7195.	c8h16rCqB=oh+c8h16o-BC	1.38E+12	0.0	15900.0
7196.	c8h16rDqB=oh+c8h16o-BD	2.04E+11	0.0	19500.0
7197.	c8h16rEqB=oh+c8h16o-BE	3.63E+10	0.0	13000.0
7198.	c8h16rFqB=oh+c8h16o-BF	1.70E+08	0.0	1950.0
7199.	c8h16rBqC=oh+c8h16o-BC	1.38E+12	0.0	15900.0
7200.	c8h16rAqC=oh+c8h16o-AC	2.04E+11	0.0	19500.0
7201.	c8h16rDqC=oh+c8h16o-CD	1.38E+12	0.0	15900.0
7202.	c8h16rEqC=oh+c8h16o-CE	2.04E+11	0.0	19500.0
7203.	c8h16rFqC=oh+c8h16o-CF	3.63E+10	0.0	13000.0
7204.	c8h16rGqC=oh+c8h16o-BF	1.70E+08	0.0	1950.0
7205.	c8h16rCqD=oh+c8h16o-CD	1.38E+12	0.0	15900.0
7206.	c8h16rBqD=oh+c8h16o-BD	2.04E+11	0.0	19500.0
7207.	c8h16rAqD=oh+c8h16o-AD	3.63E+10	0.0	13000.0
7208.	c8h16rEqD=oh+c8h16o-DE	1.38E+12	0.0	15900.0
7209.	c8h16rFqD=oh+c8h16o-CE	2.04E+11	0.0	19500.0
7210.	c8h16rGqD=oh+c8h16o-BE	3.63E+10	0.0	13000.0
7211.	c8h16rHqD=oh+c8h16o-AE	1.70E+08	0.0	1950.0
7212.	ho2+c8h16-1=c8h16rAqB	1.50E+11	0.0	7800.0
7213.	ho2+c8h16-1=c8h16rBqA	1.50E+11	0.0	7800.0
7214.	ho2+c8h16-2=c8h16rBqC	1.50E+11	0.0	7800.0
7215.	ho2+c8h16-2=c8h16rCqB	1.50E+11	0.0	7800.0
7216.	ho2+c8h16-3=c8h16rCqD	1.50E+11	0.0	7800.0
7217.	ho2+c8h16-3=c8h16rDqC	1.50E+11	0.0	7800.0
7218.	ho2+c8h16-4=c8h16rEqD	1.50E+11	0.0	7800.0
7219.	c8h16qjBqA=oh+c8h15oAqB	3.35E+09	1.0	30500.0
7220.	c8h16qjCqA=oh+c8h15oAqC	5.75E+08	1.0	23000.0
7221.	c8h16qjDqA=oh+c8h15oAqD	9.89E+07	1.0	20000.0
7222.	c8h16qjEqA=oh+c8h15oAqE	1.70E+07	1.0	19000.0
7223.	c8h16qjAqB=oh+c8h15oBqA	1.67E+09	1.0	27500.0
7224.	c8h16qjCqB=oh+c8h15oBqC	1.67E+09	1.0	27500.0
7225.	c8h16qjDqB=oh+c8h15oBqD	2.87E+08	1.0	20000.0
7226.	c8h16qjEqB=oh+c8h15oBqE	4.94E+07	1.0	19000.0
7227.	c8h16qjFqB=oh+c8h15oBqF	8.49E+06	1.0	16000.0
7228.	c8h16qjAqC=oh+c8h15oCqA	2.87E+08	1.0	20000.0
7229.	c8h16qjBqC=oh+c8h15oCqB	1.67E+09	1.0	27500.0
7230.	c8h16qjDqC=oh+c8h15oCqD	1.67E+09	1.0	27500.0
7231.	c8h16qjEqC=oh+c8h15oCqE	2.87E+08	1.0	20000.0
7232.	c8h16qjFqC=oh+c8h15oCqF	4.94E+07	1.0	19000.0
7233.	c8h16qjGqC=oh+c8h15oCqG	8.49E+06	1.0	16000.0
7234.	c8h16qjAqD=oh+c8h15oDqA	4.94E+07	1.0	19000.0
7235.	c8h16qjBqD=oh+c8h15oDqB	2.87E+08	1.0	20000.0
7236.	c8h16qjCqD=oh+c8h15oDqC	1.67E+09	1.0	27500.0
7237.	c8h16qjEqD=oh+c8h15oDqE	1.67E+09	1.0	27500.0
7238.	c8h16qjFqD=oh+c8h15oDqF	2.87E+08	1.0	20000.0
7239.	c8h16qjGqD=oh+c8h15oDqG	4.94E+07	1.0	19000.0
7240.	c8h16qjHqD=oh+c8h15oDqH	8.49E+06	1.0	16000.0
7241.	c8h15oAqB=>oh+hco+c6h13hco	1.00E+16	0.0	43000.0
7242.	c8h15oAqC=>oh+ch2hco+c5h11hco	1.00E+16	0.0	43000.0
7243.	c8h15oAqD=>oh+ch2ch2hco+nc4h9hco	1.00E+16	0.0	43000.0
7244.	c8h15oAqE=>oh+c3h6cho-1+nc3h7hco	1.00E+16	0.0	43000.0
7245.	c8h15oBqA=>oh+ch2o+c6h13co	1.00E+16	0.0	43000.0
7246.	c8h15oBqC=>oh+ch3co+c5h11hco	1.00E+16	0.0	43000.0
7247.	c8h15oBqD=>oh+ch2coch3+nc4h9hco	1.00E+16	0.0	43000.0
7248.	c8h15oBqE=>oh+ch3coc2h4p+nc3h7hco	1.00E+16	0.0	43000.0
7249.	c8h15oBqF=>oh+c3h6coch3-1+ethco	1.00E+16	0.0	43000.0
7250.	c8h15oCqA=>oh+ch2o+nc5h11coch2	1.00E+16	0.0	43000.0
7251.	c8h15oCqB=>oh+ch3hco+c5h11co	1.00E+16	0.0	43000.0
7252.	c8h15oCqD=>oh+c2h5co+nc4h9hco	1.00E+16	0.0	43000.0

7253.	c8h15oCqE=>oh+c2h5coch2+nc3h7hco	1.00E+16	0.0	43000.0
7254.	c8h15oCqF=>oh+c2h5coc2h4p+ethco	1.00E+16	0.0	43000.0
7255.	c8h15oCqG=>oh+c2h5coc3h6-1+ch3hco	1.00E+16	0.0	43000.0
7256.	c8h15oDqA=>oh+ch2o+nc4h9coc2h4p	1.00E+16	0.0	43000.0
7257.	c8h15oDqB=>oh+ch3hco+nc4h9coch2	1.00E+16	0.0	43000.0
7258.	c8h15oDqC=>oh+ethco+nc4h9co	1.00E+16	0.0	43000.0
7259.	c8h15oDqE=>oh+nc3h7hco+c3h7co	1.00E+16	0.0	43000.0
7260.	c8h15oDqF=>oh+nc3h7coch2+ethco	1.00E+16	0.0	43000.0
7261.	c8h15oDqG=>oh+nc3h7coc2h4p+ch3hco	1.00E+16	0.0	43000.0
7262.	c8h15oDqH=>oh+nc3h7coc3h6-1+ch2o	1.00E+16	0.0	43000.0
7263.	c8h16o-AB+h=>h2+acrol+Ac5h11	4.80E+08	1.5	2785.0
7264.	c8h16o-AB+oh=>h2o+acrol+Ac5h11	2.40E+06	2.0	-1192.0
7265.	c8h16o-AB+ho2=>h2o2+acrol+Ac5h11	2.50E+04	2.5	11605.0
7266.	c8h16o-AB+h=>h2+ch2co+Ac6h13	2.40E+08	1.5	2005.0
7267.	c8h16o-AB+oh=>h2o+ch2co+Ac6h13	1.20E+06	2.0	-1192.0
7268.	c8h16o-AB+ho2=>h2o2+ch2co+Ac6h13	1.00E+04	2.5	9400.0
7269.	c8h16o-BC+h=>h2+mvk+pc4h9	2.40E+08	1.5	2005.0
7270.	c8h16o-BC+oh=>h2o+mvk+pc4h9	1.20E+06	2.0	-1192.0
7271.	c8h16o-BC+ho2=>h2o2+mvk+pc4h9	1.00E+04	2.5	9400.0
7272.	c8h16o-BC+h=>h2+c2h5coc2h3+nc3h7	2.40E+08	1.5	2005.0
7273.	c8h16o-BC+oh=>h2o+c2h5coc2h3+nc3h7	1.20E+06	2.0	-1192.0
7274.	c8h16o-BC+ho2=>h2o2+c2h5coc2h3+nc3h7	1.00E+04	2.5	9400.0
7275.	c8h16o-CD+h=>h2+ch3+c2h3coc4h9	2.40E+08	1.5	2005.0
7276.	c8h16o-CD+oh=>h2o+ch3+c2h3coc4h9	1.20E+06	2.0	-1192.0
7277.	c8h16o-CD+ho2=>h2o2+ch3+c2h3coc4h9	1.00E+04	2.5	9400.0
7278.	c8h16o-CD+h=>h2+nc3h7+c2h5coc2h3	2.40E+08	1.5	2005.0
7279.	c8h16o-CD+oh=>h2o+nc3h7+c2h5coc2h3	1.20E+06	2.0	-1192.0
7280.	c8h16o-CD+ho2=>h2o2+nc3h7+c2h5coc2h3	1.00E+04	2.5	9400.0
7281.	c8h16o-CD+h=>h2+c2h5+c2h3coc3h7	4.80E+08	1.5	2005.0
7282.	c8h16o-CD+oh=>h2o+c2h5+c2h3coc3h7	2.40E+06	2.0	-1192.0
7283.	c8h16o-CD+ho2=>h2o2+c2h5+c2h3coc3h7	2.00E+04	2.5	9400.0
7284.	c8h16o-AC+h=>h2+c7h14-1+hco	4.80E+08	1.5	2785.0
7285.	c8h16o-AC+oh=>h2o+c7h14-1+hco	2.40E+06	2.0	-1192.0
7286.	c8h16o-AC+ho2=>h2o2+c7h14-1+hco	2.50E+04	2.5	11605.0
7287.	c8h16o-AC+h=>h2+c2h4+c5h11co	2.40E+08	1.5	2005.0
7288.	c8h16o-AC+oh=>h2o+c2h4+c5h11co	1.20E+06	2.0	-1192.0
7289.	c8h16o-AC+ho2=>h2o2+c2h4+c5h11co	1.00E+04	2.5	9400.0
7290.	c8h16o-BD+h=>h2+ch3co+c6h12-1	2.40E+08	1.5	2005.0
7291.	c8h16o-BD+oh=>h2o+ch3co+c6h12-1	1.20E+06	2.0	-1192.0
7292.	c8h16o-BD+ho2=>h2o2+ch3co+c6h12-1	1.00E+04	2.5	9400.0
7293.	c8h16o-BD+h=>h2+c3h6+nc4h9co	2.40E+08	1.5	2005.0
7294.	c8h16o-BD+oh=>h2o+c3h6+nc4h9co	1.20E+06	2.0	-1192.0
7295.	c8h16o-BD+ho2=>h2o2+c3h6+nc4h9co	1.00E+04	2.5	9400.0
7296.	c8h16o-CE+h=>h2+c5h10+c2h5co	2.40E+08	1.5	2005.0
7297.	c8h16o-CE+oh=>h2o+c5h10+c2h5co	1.20E+06	2.0	-1192.0
7298.	c8h16o-CE+ho2=>h2o2+c5h10+c2h5co	1.00E+04	2.5	9400.0
7299.	c8h16o-CE+h=>h2+c4h8+c3h7co	2.40E+08	1.5	2005.0
7300.	c8h16o-CE+oh=>h2o+c4h8+c3h7co	1.20E+06	2.0	-1192.0
7301.	c8h16o-CE+ho2=>h2o2+c4h8+c3h7co	1.00E+04	2.5	9400.0
7302.	c8h16o-AD+h=h2+c6h12-1+ch2hco	4.80E+08	1.5	2785.0
7303.	c8h16o-AD+oh=h2o+c6h12-1+ch2hco	2.40E+06	2.0	-1192.0
7304.	c8h16o-AD+ho2=h2o2+c6h12-1+ch2hco	2.50E+04	2.5	11605.0
7305.	c8h16o-AD+h=h2+c2h4+nc4h9coch2	2.40E+08	1.5	2005.0
7306.	c8h16o-AD+oh=h2o+c2h4+nc4h9coch2	1.20E+06	2.0	-1192.0
7307.	c8h16o-AD+ho2=h2o2+c2h4+nc4h9coch2	1.00E+04	2.5	9400.0
7308.	c8h16o-BE+h=h2+c5h10+ch2coch3	2.40E+08	1.5	2005.0
7309.	c8h16o-BE+oh=h2o+c5h10+ch2coch3	1.20E+06	2.0	-1192.0
7310.	c8h16o-BE+ho2=h2o2+c5h10+ch2coch3	1.00E+04	2.5	9400.0
7311.	c8h16o-BE+h=h2+c3h6+nc3h7coch2	2.40E+08	1.5	2005.0
7312.	c8h16o-BE+oh=h2o+c3h6+nc3h7coch2	1.20E+06	2.0	-1192.0
7313.	c8h16o-BE+ho2=h2o2+c3h6+nc3h7coch2	1.00E+04	2.5	9400.0

7314.	c8h16o-CF+h=h2+c4h8+c2h5coch2	4.80E+08	1.5	2005.0
7315.	c8h16o-CF+oh=h2o+c4h8+c2h5coch2	2.40E+06	2.0	-1192.0
7316.	c8h16o-CF+ho2=h2o2+c4h8+c2h5coch2	2.00E+04	2.5	9400.0
7317.	c8h16o-AE+h=>h2+c5h10+ch2ch2hco	4.80E+08	1.5	2785.0
7318.	c8h16o-AE+oh=>h2o+c5h10+ch2ch2hco	2.40E+06	2.0	-1192.0
7319.	c8h16o-AE+ho2=>h2o2+c5h10+ch2ch2hco	2.50E+04	2.5	11605.0
7320.	c8h16o-AE+h=>h2+c2h4+nc3h7coc2h4p	2.40E+08	1.5	2005.0
7321.	c8h16o-AE+oh=>h2o+c2h4+nc3h7coc2h4p	1.20E+06	2.0	-1192.0
7322.	c8h16o-AE+ho2=>h2o2+c2h4+nc3h7coc2h4p	1.00E+04	2.5	9400.0
7323.	c8h16o-BF+h=>h2+c4h8+ch3coc2h4p	2.40E+08	1.5	2005.0
7324.	c8h16o-BF+oh=>h2o+c4h8+ch3coc2h4p	1.20E+06	2.0	-1192.0
7325.	c8h16o-BF+ho2=>h2o2+c4h8+ch3coc2h4p	1.00E+04	2.5	9400.0
7326.	c8h16o-BF+h=>h2+c3h6+c2h5coc2h4p	2.40E+08	1.5	2005.0
7327.	c8h16o-BF+oh=>h2o+c3h6+c2h5coc2h4p	1.20E+06	2.0	-1192.0
7328.	c8h16o-BF+ho2=>h2o2+c3h6+c2h5coc2h4p	1.00E+04	2.5	9400.0
7329.	octanone+h=>h2+ch2co+c2h5+2c2h4	2.70E+07	2.0	5000.0
7330.	octanone+oh=>h2o+ch2co+c2h5+2c2h4	7.80E+06	2.0	-765.0
7331.	octanone+ho2=>h2o2+ch2co+c2h5+2c2h4	1.20E+12	0.0	15500.0
7332.	octanone+ch3=>ch4+ch2co+c2h5+2c2h4	6.00E+11	0.0	9600.0
7333.	octanone+ch3o2=>ch3o2h+ch2co+c2h5+2c2h4	6.00E+11	0.0	9600.0
7334.	octanone+c2h5=>c2h6+ch2co+c2h5+2c2h4	6.00E+11	0.0	11000.0
7335.	Ac9h19+o2=c9h19qjA	9.00E+18	-2.5	0.0
7336.	Bc9h19+o2=c9h19qjB	1.70E+19	-2.5	0.0
7337.	Cc9h19+o2=c9h19qjC	1.80E+19	-2.5	0.0
7338.	Dc9h19+o2=c9h19qjD	1.80E+19	-2.5	0.0
7339.	Ec9h19+o2=c9h19qjE	1.80E+19	-2.5	0.0
7340.	Ac9h19+ho2=c9h19ojA+oh	7.00E+12	0.0	-1000.0
7341.	Bc9h19+ho2=c9h19ojB+oh	7.00E+12	0.0	-1000.0
7342.	Cc9h19+ho2=c9h19ojC+oh	7.00E+12	0.0	-1000.0
7343.	Dc9h19+ho2=c9h19ojD+oh	7.00E+12	0.0	-1000.0
7344.	Ec9h19+ho2=c9h19ojE+oh	7.00E+12	0.0	-1000.0
7345.	Ac9h19+ch3o2=c9h19ojA+ch3o	7.00E+12	0.0	-1000.0
7346.	Bc9h19+ch3o2=c9h19ojB+ch3o	7.00E+12	0.0	-1000.0
7347.	Cc9h19+ch3o2=c9h19ojC+ch3o	7.00E+12	0.0	-1000.0
7348.	Dc9h19+ch3o2=c9h19ojD+ch3o	7.00E+12	0.0	-1000.0
7349.	Ec9h19+ch3o2=c9h19ojE+ch3o	7.00E+12	0.0	-1000.0
7350.	Ac9h19+c2h5o2=c9h19ojA+c2h5o	7.00E+12	0.0	-1000.0
7351.	Bc9h19+c2h5o2=c9h19ojB+c2h5o	7.00E+12	0.0	-1000.0
7352.	Cc9h19+c2h5o2=c9h19ojC+c2h5o	7.00E+12	0.0	-1000.0
7353.	Dc9h19+c2h5o2=c9h19ojD+c2h5o	7.00E+12	0.0	-1000.0
7354.	Ec9h19+c2h5o2=c9h19ojE+c2h5o	7.00E+12	0.0	-1000.0
7355.	Ac9h19+nc3h7o2=c9h19ojA+nc3h7o	7.00E+12	0.0	-1000.0
7356.	Bc9h19+nc3h7o2=c9h19ojB+nc3h7o	7.00E+12	0.0	-1000.0
7357.	Cc9h19+nc3h7o2=c9h19ojC+nc3h7o	7.00E+12	0.0	-1000.0
7358.	Dc9h19+nc3h7o2=c9h19ojD+nc3h7o	7.00E+12	0.0	-1000.0
7359.	Ec9h19+nc3h7o2=c9h19ojE+nc3h7o	7.00E+12	0.0	-1000.0
7360.	Ac9h19+ic3h7o2=c9h19ojA+ic3h7o	7.00E+12	0.0	-1000.0
7361.	Bc9h19+ic3h7o2=c9h19ojB+ic3h7o	7.00E+12	0.0	-1000.0
7362.	Cc9h19+ic3h7o2=c9h19ojC+ic3h7o	7.00E+12	0.0	-1000.0
7363.	Dc9h19+ic3h7o2=c9h19ojD+ic3h7o	7.00E+12	0.0	-1000.0
7364.	Ec9h19+ic3h7o2=c9h19ojE+ic3h7o	7.00E+12	0.0	-1000.0
7365.	Ac9h19+c9h19qjA=2c9h19ojA	7.00E+12	0.0	-1000.0
7366.	Bc9h19+c9h19qjA=c9h19ojB+c9h19ojA	7.00E+12	0.0	-1000.0
7367.	Cc9h19+c9h19qjA=c9h19ojC+c9h19ojA	7.00E+12	0.0	-1000.0
7368.	Dc9h19+c9h19qjA=c9h19ojD+c9h19ojA	7.00E+12	0.0	-1000.0
7369.	Ec9h19+c9h19qjA=c9h19ojE+c9h19ojA	7.00E+12	0.0	-1000.0
7370.	Ac9h19+c9h19qjB=c9h19ojA+c9h19ojB	7.00E+12	0.0	-1000.0
7371.	Bc9h19+c9h19qjB=2c9h19ojB	7.00E+12	0.0	-1000.0
7372.	Cc9h19+c9h19qjB=c9h19ojC+c9h19ojB	7.00E+12	0.0	-1000.0
7373.	Dc9h19+c9h19qjB=c9h19ojD+c9h19ojB	7.00E+12	0.0	-1000.0
7374.	Ec9h19+c9h19qjB=c9h19ojE+c9h19ojB	7.00E+12	0.0	-1000.0

7375.	Ac9h19+c9h19qjC=c9h19ojA+c9h19ojC	7.00E+12	0.0	-1000.0
7376.	Bc9h19+c9h19qjC=c9h19ojB+c9h19ojC	7.00E+12	0.0	-1000.0
7377.	Cc9h19+c9h19qjC=2c9h19ojC	7.00E+12	0.0	-1000.0
7378.	Dc9h19+c9h19qjC=c9h19ojD+c9h19ojC	7.00E+12	0.0	-1000.0
7379.	Ec9h19+c9h19qjC=c9h19ojE+c9h19ojC	7.00E+12	0.0	-1000.0
7380.	Ac9h19+c9h19qjD=c9h19ojA+c9h19ojD	7.00E+12	0.0	-1000.0
7381.	Bc9h19+c9h19qjD=c9h19ojB+c9h19ojD	7.00E+12	0.0	-1000.0
7382.	Cc9h19+c9h19qjD=c9h19ojC+c9h19ojD	7.00E+12	0.0	-1000.0
7383.	Dc9h19+c9h19qjD=2c9h19ojD	7.00E+12	0.0	-1000.0
7384.	Ec9h19+c9h19qjD=c9h19ojE+c9h19ojD	7.00E+12	0.0	-1000.0
7385.	Ac9h19+c9h19qjE=c9h19ojA+c9h19ojE	7.00E+12	0.0	-1000.0
7386.	Bc9h19+c9h19qjE=c9h19ojB+c9h19ojE	7.00E+12	0.0	-1000.0
7387.	Cc9h19+c9h19qjE=c9h19ojC+c9h19ojE	7.00E+12	0.0	-1000.0
7388.	Dc9h19+c9h19qjE=c9h19ojD+c9h19ojE	7.00E+12	0.0	-1000.0
7389.	Ec9h19+c9h19qjE=2c9h19ojE	7.00E+12	0.0	-1000.0
7390.	c9h19ojA=ch2o+Ac8h17	1.22E+19	-1.7	14690.0
7391.	c9h19ojB=ch3hco+Ac7h15	6.40E+10	0.9	10202.0
7392.	c9h19ojB=ch3+c7h15hco	2.08E+10	1.1	14206.0
7393.	c9h19ojC=ethco+Ac6h13	1.08E+11	0.9	10094.0
7394.	c9h19ojC=c2h5+c6h13hco	1.64E+13	0.3	9297.0
7395.	c9h19ojD=nc3h7+c5h11hco	1.51E+14	-0.1	11001.0
7396.	c9h19ojD=nc3h7hco+Ac5h11	3.96E+14	-0.1	11590.0
7397.	c9h19ojE=pc4h9+nc4h9hco	4.97E+14	-0.1	11232.0
7398.	c9h19qA=oh+c9h19ojA	1.50E+16	0.0	42500.0
7399.	c9h19qB=oh+c9h19ojB	1.25E+16	0.0	41600.0
7400.	c9h19qC=oh+c9h19ojC	1.25E+16	0.0	41600.0
7401.	c9h19qD=oh+c9h19ojD	1.25E+16	0.0	41600.0
7402.	c9h19qE=oh+c9h19ojE	1.25E+16	0.0	41600.0
7403.	c9h19qjA=c9h18rBqA	5.70E+08	1.0	32500.0
7404.	c9h19qjA=c9h18rCqA	9.90E+07	1.0	25000.0
7405.	c9h19qjA=c9h18rDqA	1.70E+07	1.0	22000.0
7406.	c9h19qjA=c9h18rEqA	2.90E+06	1.0	21000.0
7407.	c9h19qjB=c9h18rAqB	8.65E+08	1.0	35500.0
7408.	c9h19qjB=c9h18rCqB	5.70E+08	1.0	32500.0
7409.	c9h19qjB=c9h18rDqB	9.90E+07	1.0	25000.0
7410.	c9h19qjB=c9h18rEqB	1.70E+07	1.0	22000.0
7411.	c9h19qjB=c9h18rFqB	2.90E+06	1.0	21000.0
7412.	c9h19qjC=c9h18rAqC	1.48E+08	1.0	28000.0
7413.	c9h19qjC=c9h18rBqC	5.70E+08	1.0	32500.0
7414.	c9h19qjC=c9h18rDqC	5.70E+08	1.0	32500.0
7415.	c9h19qjC=c9h18rEqC	9.90E+07	1.0	25000.0
7416.	c9h19qjC=c9h18rFqC	1.70E+07	1.0	22000.0
7417.	c9h19qjC=c9h18rGqC	2.90E+06	1.0	21000.0
7418.	c9h19qjD=c9h18rAqD	2.53E+07	1.0	25000.0
7419.	c9h19qjD=c9h18rBqD	9.90E+07	1.0	25000.0
7420.	c9h19qjD=c9h18rCqD	5.70E+08	1.0	32500.0
7421.	c9h19qjD=c9h18rEqD	5.70E+08	1.0	32500.0
7422.	c9h19qjD=c9h18rFqD	9.90E+07	1.0	25000.0
7423.	c9h19qjD=c9h18rGqD	1.70E+07	1.0	22000.0
7424.	c9h19qjD=c9h18rHqD	2.90E+06	1.0	21000.0
7425.	c9h19qjE=c9h18rAqE	8.70E+06	1.0	24000.0
7426.	c9h19qjE=c9h18rBqE	3.40E+07	1.0	22000.0
7427.	c9h19qjE=c9h18rCqE	1.98E+08	1.0	25000.0
7428.	c9h19qjE=c9h18rDqE	1.14E+09	1.0	32500.0
7429.	c9h19qjA+ho2=c9h19qA+o2	2.90E+11	0.0	1550.0
7430.	c9h19qjD+ho2=c9h19qB+o2	2.90E+11	0.0	1550.0
7431.	c9h19qjE+ho2=c9h19qC+o2	2.90E+11	0.0	1550.0
7432.	c9h19qjC+ho2=c9h19qD+o2	2.90E+11	0.0	1550.0
7433.	c9h19qjB+ho2=c9h19qE+o2	2.90E+11	0.0	1550.0
7434.	c9h19qjA+h2o2=c9h19qA+ho2	2.40E+12	0.0	10000.0
7435.	c9h19qjB+h2o2=c9h19qB+ho2	2.40E+12	0.0	10000.0

7436.	c9h19qjC+h2o2=c9h19qC+ho2	2.40E+12	0.0	10000.0
7437.	c9h19qjD+h2o2=c9h19qD+ho2	2.40E+12	0.0	10000.0
7438.	c9h19qjE+h2o2=c9h19qE+ho2	2.40E+12	0.0	10000.0
7439.	c9h19qjA+ho2=c9h19ojA+oh+o2	1.00E+11	0.0	0.0
7440.	c9h19qjB+ho2=c9h19ojB+oh+o2	1.00E+11	0.0	0.0
7441.	c9h19qjC+ho2=c9h19ojC+oh+o2	1.00E+11	0.0	0.0
7442.	c9h19qjD+ho2=c9h19ojD+oh+o2	1.00E+11	0.0	0.0
7443.	c9h19qjE+ho2=c9h19ojE+oh+o2	1.00E+11	0.0	0.0
7444.	c9h19qjA+ch3o2=c9h19ojA+ch3o+o2	1.40E+16	-1.6	1860.0
7445.	c9h19qjB+ch3o2=c9h19ojB+ch3o+o2	1.40E+16	-1.6	1860.0
7446.	c9h19qjC+ch3o2=c9h19ojC+ch3o+o2	1.40E+16	-1.6	1860.0
7447.	c9h19qjD+ch3o2=c9h19ojD+ch3o+o2	1.40E+16	-1.6	1860.0
7448.	c9h19qjE+ch3o2=c9h19ojE+ch3o+o2	1.40E+16	-1.6	1860.0
7449.	c9h19qjA+c9h19qjA=c9h19ojA+c9h19ojA+o2	1.40E+16	-1.6	1860.0
7450.	c9h19qjA+c9h19qjB=c9h19ojA+c9h19ojB+o2	1.40E+16	-1.6	1860.0
7451.	c9h19qjA+c9h19qjC=c9h19ojA+c9h19ojC+o2	1.40E+16	-1.6	1860.0
7452.	c9h19qjA+c9h19qjD=c9h19ojA+c9h19ojD+o2	1.40E+16	-1.6	1860.0
7453.	c9h19qjA+c9h19qjE=c9h19ojA+c9h19ojE+o2	1.40E+16	-1.6	1860.0
7454.	c9h19qjB+c9h19qjB=c9h19ojB+c9h19ojB+o2	1.40E+16	-1.6	1860.0
7455.	c9h19qjB+c9h19qjC=c9h19ojC+c9h19ojB+o2	1.40E+16	-1.6	1860.0
7456.	c9h19qjB+c9h19qjD=c9h19ojD+c9h19ojB+o2	1.40E+16	-1.6	1860.0
7457.	c9h19qjB+c9h19qjE=c9h19ojE+c9h19ojB+o2	1.40E+16	-1.6	1860.0
7458.	c9h19qjC+c9h19qjC=c9h19ojC+c9h19ojC+o2	1.40E+16	-1.6	1860.0
7459.	c9h19qjC+c9h19qjD=c9h19ojC+c9h19ojD+o2	1.40E+16	-1.6	1860.0
7460.	c9h19qjC+c9h19qjE=c9h19ojC+c9h19ojE+o2	1.40E+16	-1.6	1860.0
7461.	c9h19qjD+c9h19qjD=c9h19ojD+c9h19ojD+o2	1.40E+16	-1.6	1860.0
7462.	c9h19qjD+c9h19qjE=c9h19ojD+c9h19ojE+o2	1.40E+16	-1.6	1860.0
7463.	c9h19qjE+c9h19qjE=c9h19ojE+c9h19ojE+o2	1.40E+16	-1.6	1860.0
7464.	c9h18rBqA+o2=c9h18qjBqA	1.70E+19	-2.5	0.0
7465.	c9h18rCqA+o2=c9h18qjCqA	1.80E+19	-2.5	0.0
7466.	c9h18rDqA+o2=c9h18qjDqA	1.80E+19	-2.5	0.0
7467.	c9h18rEqA+o2=c9h18qjEqA	1.80E+19	-2.5	0.0
7468.	c9h18rAqB+o2=c9h18qjAqB	9.00E+18	-2.5	0.0
7469.	c9h18rCqB+o2=c9h18qjCqB	1.80E+19	-2.5	0.0
7470.	c9h18rDqB+o2=c9h18qjDqB	1.80E+19	-2.5	0.0
7471.	c9h18rEqB+o2=c9h18qjEqB	1.80E+19	-2.5	0.0
7472.	c9h18rFqB+o2=c9h18qjFqB	1.80E+19	-2.5	0.0
7473.	c9h18rAqC+o2=c9h18qjAqC	9.00E+18	-2.5	0.0
7474.	c9h18rBqC+o2=c9h18qjBqC	1.70E+19	-2.5	0.0
7475.	c9h18rDqC+o2=c9h18qjDqC	1.80E+19	-2.5	0.0
7476.	c9h18rEqC+o2=c9h18qjEqC	1.80E+19	-2.5	0.0
7477.	c9h18rFqC+o2=c9h18qjFqC	1.80E+19	-2.5	0.0
7478.	c9h18rGqC+o2=c9h18qjGqC	1.80E+19	-2.5	0.0
7479.	c9h18rAqD+o2=c9h18qjAqD	9.00E+18	-2.5	0.0
7480.	c9h18rBqD+o2=c9h18qjBqD	1.70E+19	-2.5	0.0
7481.	c9h18rCqD+o2=c9h18qjCqD	1.80E+19	-2.5	0.0
7482.	c9h18rEqD+o2=c9h18qjEqD	1.80E+19	-2.5	0.0
7483.	c9h18rFqD+o2=c9h18qjFqD	1.80E+19	-2.5	0.0
7484.	c9h18rGqD+o2=c9h18qjGqD	1.80E+19	-2.5	0.0
7485.	c9h18rHqD+o2=c9h18qjHqD	1.70E+19	-2.5	0.0
7486.	c9h18rAqE+o2=c9h18qjAqE	9.00E+18	-2.5	0.0
7487.	c9h18rBqE+o2=c9h18qjBqE	1.70E+19	-2.5	0.0
7488.	c9h18rCqE+o2=c9h18qjCqE	1.80E+19	-2.5	0.0
7489.	c9h18rDqE+o2=c9h18qjDqE	1.80E+19	-2.5	0.0
7490.	c9h18rCqA=oh+ch2o+c8h16-1	1.68E+15	-0.2	29180.0
7491.	c9h18rDqB=oh+ch3hco+c7h14-1	3.09E+17	-0.9	29019.0
7492.	c9h18rAqC=oh+c2h4+c6h13hco	4.01E+15	-0.4	28648.0
7493.	c9h18rEqC=oh+ethco+c6h12-1	1.09E+17	-0.8	28379.0
7494.	c9h18rBqD=oh+c3h6+c5h11hco	5.96E+14	-0.1	27833.0
7495.	c9h18rFqD=oh+c5h10+nc3h7hco	3.11E+16	-0.6	28187.0
7496.	c9h18rCqE=oh+c4h8+nc4h9hco	7.25E+15	-0.4	27996.0

7497.	c9h18rBqA=oh+c9h18o-AB	1.38E+12	0.0	15900.0
7498.	c9h18rCqA=oh+c9h18o-AC	2.04E+11	0.0	19500.0
7499.	c9h18rDqA=oh+c9h18o-AD	3.63E+10	0.0	13000.0
7500.	c9h18rEqA=oh+c9h18o-AE	1.70E+08	0.0	1950.0
7501.	c9h18rAqB=oh+c9h18o-AB	1.38E+12	0.0	15900.0
7502.	c9h18rCqB=oh+c9h18o-BC	1.38E+12	0.0	15900.0
7503.	c9h18rDqB=oh+c9h18o-BD	2.04E+11	0.0	19500.0
7504.	c9h18rEqB=oh+c9h18o-BE	3.63E+10	0.0	13000.0
7505.	c9h18rFqB=oh+c9h18o-BF	1.70E+08	0.0	1950.0
7506.	c9h18rAqC=oh+c9h18o-AC	2.04E+11	0.0	19500.0
7507.	c9h18rBqC=oh+c9h18o-BC	1.38E+12	0.0	15900.0
7508.	c9h18rDqC=oh+c9h18o-CD	1.38E+12	0.0	15900.0
7509.	c9h18rEqC=oh+c9h18o-CE	2.04E+11	0.0	19500.0
7510.	c9h18rFqC=oh+c9h18o-CF	3.63E+10	0.0	13000.0
7511.	c9h18rGqC=oh+c9h18o-CG	1.70E+08	0.0	1950.0
7512.	c9h18rAqD=oh+c9h18o-AD	3.60E+09	0.0	7000.0
7513.	c9h18rBqD=oh+c9h18o-BD	2.04E+11	0.0	19500.0
7514.	c9h18rCqD=oh+c9h18o-CD	1.38E+12	0.0	15900.0
7515.	c9h18rEqD=oh+c9h18o-DE	1.38E+12	0.0	15900.0
7516.	c9h18rFqD=oh+c9h18o-DF	2.04E+11	0.0	19500.0
7517.	c9h18rGqD=oh+c9h18o-CF	3.63E+10	0.0	13000.0
7518.	c9h18rHqD=oh+c9h18o-BF	1.70E+08	0.0	1950.0
7519.	c9h18rAqE=oh+c9h18o-AE	1.70E+08	0.0	1950.0
7520.	c9h18rBqE=oh+c9h18o-BE	3.63E+10	0.0	13000.0
7521.	c9h18rCqE=oh+c9h18o-CE	2.04E+11	0.0	19500.0
7522.	c9h18rDqE=oh+c9h18o-DE	1.38E+12	0.0	15900.0
7523.	ho2+c9h18-1=c9h18rAqB	1.50E+11	0.0	7800.0
7524.	ho2+c9h18-1=c9h18rBqA	1.50E+11	0.0	7800.0
7525.	ho2+c9h18-2=c9h18rBqC	1.50E+11	0.0	7800.0
7526.	ho2+c9h18-2=c9h18rCqB	1.50E+11	0.0	7800.0
7527.	ho2+c9h18-3=c9h18rCqD	1.50E+11	0.0	7800.0
7528.	ho2+c9h18-3=c9h18rDqC	1.50E+11	0.0	7800.0
7529.	ho2+c9h18-4=c9h18rEqD	1.50E+11	0.0	7800.0
7530.	ho2+c9h18-4=c9h18rDqE	1.50E+11	0.0	7800.0
7531.	c9h18qjBqA=>oh+c9h17oAqB	3.35E+09	1.0	33500.0
7532.	c9h18qjCqA=>oh+c9h17oAqC	5.75E+08	1.0	26000.0
7533.	c9h18qjDqA=>oh+c9h17oAqD	9.89E+07	1.0	23000.0
7534.	c9h18qjEqA=>oh+c9h17oAqE	1.70E+07	1.0	22000.0
7535.	c9h18qjAqB=>oh+c9h17oBqA	1.67E+09	1.0	30500.0
7536.	c9h18qjCqB=>oh+c9h17oBqC	1.67E+09	1.0	30500.0
7537.	c9h18qjDqB=>oh+c9h17oBqD	2.87E+08	1.0	23000.0
7538.	c9h18qjEqB=>oh+c9h17oBqE	4.94E+07	1.0	22000.0
7539.	c9h18qjFqB=>oh+c9h17oBqF	8.49E+06	1.0	19000.0
7540.	c9h18qjAqC=>oh+c9h17oCqA	2.87E+08	1.0	23000.0
7541.	c9h18qjBqC=>oh+c9h17oCqB	1.67E+09	1.0	30500.0
7542.	c9h18qjDqC=>oh+c9h17oCqD	1.67E+09	1.0	30500.0
7543.	c9h18qjEqC=>oh+c9h17oCqE	2.87E+08	1.0	23000.0
7544.	c9h18qjFqC=>oh+c9h17oCqF	4.94E+07	1.0	20000.0
7545.	c9h18qjGqC=>oh+c9h17oCqG	8.49E+06	1.0	19000.0
7546.	c9h18qjAqD=>oh+c9h17oDqA	4.94E+07	1.0	20000.0
7547.	c9h18qjBqD=>oh+c9h17oDqB	2.87E+08	1.0	23000.0
7548.	c9h18qjCqD=>oh+c9h17oDqC	1.67E+09	1.0	30500.0
7549.	c9h18qjEqD=>oh+c9h17oDqE	1.67E+09	1.0	30500.0
7550.	c9h18qjFqD=>oh+c9h17oDqF	2.87E+08	1.0	23000.0
7551.	c9h18qjGqD=>oh+c9h17oDqG	4.94E+07	1.0	20000.0
7552.	c9h18qjHqD=>oh+c9h17oDqH	8.49E+06	1.0	19000.0
7553.	c9h18qjAqE=>oh+c9h17oEqA	8.49E+06	1.0	19000.0
7554.	c9h18qjBqE=>oh+c9h17oEqB	4.94E+07	1.0	20000.0
7555.	c9h18qjCqE=>oh+c9h17oEqC	2.87E+08	1.0	23000.0
7556.	c9h18qjDqE=>oh+c9h17oEqD	1.67E+09	1.0	30500.0
7557.	c9h17oAqB=oh+hco+c7h15hco	1.00E+16	0.0	43000.0

7558.	c9h17oAqC=oh+ch2hco+c6h13hco	1.00E+16	0.0	43000.0
7559.	c9h17oAqD=oh+ch2ch2hco+c5h11hco	1.00E+16	0.0	43000.0
7560.	c9h17oAqE=oh+c3h6cho-1+nc4h9hco	1.00E+16	0.0	43000.0
7561.	c9h17oBqA=oh+ch2o+c7h15co	1.00E+16	0.0	43000.0
7562.	c9h17oBqC=oh+ch3co+c6h13hco	1.00E+16	0.0	43000.0
7563.	c9h17oBqD=oh+ch2coch3+c5h11hco	1.00E+16	0.0	43000.0
7564.	c9h17oBqE=oh+ch3coc2h4p+nc4h9hco	1.00E+16	0.0	43000.0
7565.	c9h17oBqF=oh+c3h6coch3-1+nc3h7hco	1.00E+16	0.0	43000.0
7566.	c9h17oCqA=oh+ch2o+nc6h13coch2	1.00E+16	0.0	43000.0
7567.	c9h17oCqB=oh+ch3hco+c6h13co	1.00E+16	0.0	43000.0
7568.	c9h17oCqD=oh+c2h5co+c5h11hco	1.00E+16	0.0	43000.0
7569.	c9h17oCqE=oh+c2h5coch2+nc4h9hco	1.00E+16	0.0	43000.0
7570.	c9h17oCqF=oh+c2h5coc2h4p+nc3h7hco	1.00E+16	0.0	43000.0
7571.	c9h17oCqG=oh+c2h5coc3h6-1+ethco	1.00E+16	0.0	43000.0
7572.	c9h17oDqA=oh+ch2o+nc5h11coc2h4p	1.00E+16	0.0	43000.0
7573.	c9h17oDqB=oh+ch3hco+nc5h11coch2	1.00E+16	0.0	43000.0
7574.	c9h17oDqC=oh+ethco+c5h11co	1.00E+16	0.0	43000.0
7575.	c9h17oDqE=oh+nc4h9hco+c3h7co	1.00E+16	0.0	43000.0
7576.	c9h17oDqF=oh+nc3h7coch2+nc3h7hco	1.00E+16	0.0	43000.0
7577.	c9h17oDqG=oh+nc3h7coc2h4p+ethco	1.00E+16	0.0	43000.0
7578.	c9h17oDqH=oh+nc3h7coc3h6-1+ch3hco	1.00E+16	0.0	43000.0
7579.	c9h17oEqA=oh+ch2o+nc4h9coc3h6-1	1.00E+16	0.0	43000.0
7580.	c9h17oEqB=oh+ch3hco+nc4h9coc2h4p	1.00E+16	0.0	43000.0
7581.	c9h17oEqC=oh+ethco+nc4h9coch2	1.00E+16	0.0	43000.0
7582.	c9h17oEqD=oh+nc4h9co+nc3h7hco	1.00E+16	0.0	43000.0
7583.	c9h18o-AB+h=>h2+acrol+Ac6h13	4.80E+08	1.5	2785.0
7584.	c9h18o-AB+oh=>h2o+acrol+Ac6h13	2.40E+06	2.0	-1192.0
7585.	c9h18o-AB+ho2=>h2o2+acrol+Ac6h13	2.50E+04	2.5	11605.0
7586.	c9h18o-AB+h=>h2+ch2co+Ac7h15	2.40E+08	1.5	2005.0
7587.	c9h18o-AB+oh=>h2o+ch2co+Ac7h15	1.20E+06	2.0	-1192.0
7588.	c9h18o-AB+ho2=>h2o2+ch2co+Ac7h15	1.00E+04	2.5	9400.0
7589.	c9h18o-BC+h=>h2+mvk+Ac5h11	2.40E+08	1.5	2005.0
7590.	c9h18o-BC+oh=>h2o+mvk+Ac5h11	1.20E+06	2.0	-1192.0
7591.	c9h18o-BC+ho2=>h2o2+mvk+Ac5h11	1.00E+04	2.5	9400.0
7592.	c9h18o-BC+h=>h2+ch3chco+Ac6h13	2.40E+08	1.5	2005.0
7593.	c9h18o-BC+oh=>h2o+ch3chco+Ac6h13	1.20E+06	2.0	-1192.0
7594.	c9h18o-BC+ho2=>h2o2+ch3chco+Ac6h13	1.00E+04	2.5	9400.0
7595.	c9h18o-CD+h=>h2+c2h5coc2h3+pc4h9	2.40E+08	1.5	2005.0
7596.	c9h18o-CD+oh=>h2o+c2h5coc2h3+pc4h9	1.20E+06	2.0	-1192.0
7597.	c9h18o-CD+ho2=>h2o2+c2h5coc2h3+pc4h9	1.00E+04	2.5	9400.0
7598.	c9h18o-CD+h=>h2+ch3+c2h3coc5h11	2.40E+08	1.5	2005.0
7599.	c9h18o-CD+oh=>h2o+ch3+c2h3coc5h11	1.20E+06	2.0	-1192.0
7600.	c9h18o-CD+ho2=>h2o2+ch3+c2h3coc5h11	1.00E+04	2.5	9400.0
7601.	c9h18o-DE+h=>h2+c2h3coc3h7+nc3h7	2.40E+08	1.5	2005.0
7602.	c9h18o-DE+oh=>h2o+c2h3coc3h7+nc3h7	1.20E+06	2.0	-1192.0
7603.	c9h18o-DE+ho2=>h2o2+c2h3coc3h7+nc3h7	1.00E+04	2.5	9400.0
7604.	c9h18o-DE+h=>h2+c2h5+c2h3coc4h9	2.40E+08	1.5	2005.0
7605.	c9h18o-DE+oh=>h2o+c2h5+c2h3coc4h9	1.20E+06	2.0	-1192.0
7606.	c9h18o-DE+ho2=>h2o2+c2h5+c2h3coc4h9	1.00E+04	2.5	9400.0
7607.	c9h18o-AC+h=>h2+c8h16-1+hco	4.80E+08	1.5	2785.0
7608.	c9h18o-AC+oh=>h2o+c8h16-1+hco	2.40E+06	2.0	-1192.0
7609.	c9h18o-AC+ho2=>h2o2+c8h16-1+hco	2.50E+04	2.5	11605.0
7610.	c9h18o-AC+h=>h2+c2h4+c6h13co	2.40E+08	1.5	2005.0
7611.	c9h18o-AC+oh=>h2o+c2h4+c6h13co	1.20E+06	2.0	-1192.0
7612.	c9h18o-AC+ho2=>h2o2+c2h4+c6h13co	1.00E+04	2.5	9400.0
7613.	c9h18o-BD+h=>h2+ch3co+c7h14-1	2.40E+08	1.5	2005.0
7614.	c9h18o-BD+oh=>h2o+ch3co+c7h14-1	1.20E+06	2.0	-1192.0
7615.	c9h18o-BD+ho2=>h2o2+ch3co+c7h14-1	1.00E+04	2.5	9400.0
7616.	c9h18o-BD+h=>h2+c3h6+c5h11co	2.40E+08	1.5	2005.0
7617.	c9h18o-BD+oh=>h2o+c3h6+c5h11co	1.20E+06	2.0	-1192.0
7618.	c9h18o-BD+ho2=>h2o2+c3h6+c5h11co	1.00E+04	2.5	9400.0



7619.	c9h18o-CE+h=>h2+c6h12-1+c2h5co	2.40E+08	1.5	2005.0
7620.	c9h18o-CE+oh=>h2o+c6h12-1+c2h5co	1.20E+06	2.0	-1192.0
7621.	c9h18o-CE+ho2=>h2o2+c6h12-1+c2h5co	1.00E+04	2.5	9400.0
7622.	c9h18o-CE+h=>h2+c4h8+nc4h9co	2.40E+08	1.5	2005.0
7623.	c9h18o-CE+oh=>h2o+c4h8+nc4h9co	1.20E+06	2.0	-1192.0
7624.	c9h18o-CE+ho2=>h2o2+c4h8+nc4h9co	1.00E+04	2.5	9400.0
7625.	c9h18o-DF+h=>h2+c5h10+c3h7co	4.80E+08	1.5	2005.0
7626.	c9h18o-DF+oh=>h2o+c5h10+c3h7co	2.40E+06	2.0	-1192.0
7627.	c9h18o-DF+ho2=>h2o2+c5h10+c3h7co	2.00E+04	2.5	9400.0
7628.	c9h18o-AD+h=>h2+c2h4+nc5h11coch2	4.80E+08	1.5	2785.0
7629.	c9h18o-AD+oh=>h2o+c2h4+nc5h11coch2	2.40E+06	2.0	-1192.0
7630.	c9h18o-AD+ho2=>h2o2+c2h4+nc5h11coch2	2.50E+04	2.5	11605.0
7631.	c9h18o-AD+h=>h2+c7h14-1+ch2hco	2.40E+08	1.5	2005.0
7632.	c9h18o-AD+oh=>h2o+c7h14-1+ch2hco	1.20E+06	2.0	-1192.0
7633.	c9h18o-AD+ho2=>h2o2+c7h14-1+ch2hco	1.00E+04	2.5	9400.0
7634.	c9h18o-BE+h=>h2+c6h12-1+ch2coch3	2.40E+08	1.5	2005.0
7635.	c9h18o-BE+oh=>h2o+c6h12-1+ch2coch3	1.20E+06	2.0	-1192.0
7636.	c9h18o-BE+ho2=>h2o2+c6h12-1+ch2coch3	1.00E+04	2.5	9400.0
7637.	c9h18o-BE+h=>h2+c3h6+nc4h9coch2	2.40E+08	1.5	2005.0
7638.	c9h18o-BE+oh=>h2o+c3h6+nc4h9coch2	1.20E+06	2.0	-1192.0
7639.	c9h18o-BE+ho2=>h2o2+c3h6+nc4h9coch2	1.00E+04	2.5	9400.0
7640.	c9h18o-CF+h=>h2+c5h10+c2h5coch2	2.40E+08	1.5	2005.0
7641.	c9h18o-CF+oh=>h2o+c5h10+c2h5coch2	1.20E+06	2.0	-1192.0
7642.	c9h18o-CF+ho2=>h2o2+c5h10+c2h5coch2	1.00E+04	2.5	9400.0
7643.	c9h18o-CF+h=>h2+c4h8+nc3h7coch2	2.40E+08	1.5	2005.0
7644.	c9h18o-CF+oh=>h2o+c4h8+nc3h7coch2	1.20E+06	2.0	-1192.0
7645.	c9h18o-CF+ho2=>h2o2+c4h8+nc3h7coch2	1.00E+04	2.5	9400.0
7646.	c9h18o-AE+h=>h2+c6h12-1+ch2ch2hco	4.80E+08	1.5	2785.0
7647.	c9h18o-AE+oh=>h2o+c6h12-1+ch2ch2hco	2.40E+06	2.0	-1192.0
7648.	c9h18o-AE+ho2=>h2o2+c6h12-1+ch2ch2hco	2.50E+04	2.5	11605.0
7649.	c9h18o-AE+h=>h2+c2h4+nc4h9coc2h4p	2.40E+08	1.5	2005.0
7650.	c9h18o-AE+oh=>h2o+c2h4+nc4h9coc2h4p	1.20E+06	2.0	-1192.0
7651.	c9h18o-AE+ho2=>h2o2+c2h4+nc4h9coc2h4p	1.00E+04	2.5	9400.0
7652.	c9h18o-BF+h=>h2+c5h10+ch3coc2h4p	2.40E+08	1.5	2005.0
7653.	c9h18o-BF+oh=>h2o+c5h10+ch3coc2h4p	1.20E+06	2.0	-1192.0
7654.	c9h18o-BF+ho2=>h2o2+c5h10+ch3coc2h4p	1.00E+04	2.5	9400.0
7655.	c9h18o-BF+h=>h2+c3h6+nc3h7coc2h4p	2.40E+08	1.5	2005.0
7656.	c9h18o-BF+oh=>h2o+c3h6+nc3h7coc2h4p	1.20E+06	2.0	-1192.0
7657.	c9h18o-BF+ho2=>h2o2+c3h6+nc3h7coc2h4p	1.00E+04	2.5	9400.0
7658.	c9h18o-CG+h=>h2+c4h8+c2h5coc2h4p	4.80E+08	1.5	2005.0
7659.	c9h18o-CG+oh=>h2o+c4h8+c2h5coc2h4p	2.40E+06	2.0	-1192.0
7660.	c9h18o-CG+ho2=>h2o2+c4h8+c2h5coc2h4p	2.00E+04	2.5	9400.0
7661.	c9h18-1+ho2=oh+c9h18o-AB	1.00E+12	0.0	14400.0
7662.	c9h18-2+ho2=oh+c9h18o-BC	1.00E+12	0.0	14400.0
7663.	c9h18-3+ho2=oh+c9h18o-CD	1.00E+12	0.0	14400.0
7664.	c9h18-4+ho2=oh+c9h18o-DE	1.00E+12	0.0	14400.0
7665.	nonanone+h=>h2+ch2co+ch3+3c2h4	2.70E+07	2.0	5000.0
7666.	nonanone+oh=>h2o+ch2co+ch3+3c2h4	7.80E+06	2.0	-765.0
7667.	nonanone+ho2=>h2o2+ch2co+ch3+3c2h4	1.20E+12	0.0	15500.0
7668.	nonanone+ch3=>ch4+ch2co+ch3+3c2h4	6.00E+11	0.0	9600.0
7669.	nonanone+ch3o2=>ch3o2h+ch2co+ch3+3c2h4	6.00E+11	0.0	9600.0
7670.	nonanone+c2h5=>c2h6+ch2co+ch3+3c2h4	6.00E+11	0.0	11000.0
7671.	c8h15hco=Hc8h15-1+hco	7.25E+16	0.0	82400.0
7672.	c8h15hco+o2=c8h15co+ho2	2.00E+13	0.5	42200.0
7673.	c8h15hco+ho2=c8h15co+h2o2	1.70E+12	0.0	10700.0
7674.	c8h15hco+oh=c8h15co+h2o	2.35E+10	0.7	-1113.0
7675.	c8h15hco+o=c8h15co+oh	5.85E+12	0.0	1808.0
7676.	c8h15hco+h=c8h15co+h2	5.54E+02	3.5	5167.0
7677.	c8h15hco+ch3=c8h15co+ch4	2.25E+00	4.0	8285.0
7678.	c8h15hco+c2h5=c8h15co+c2h6	1.64E+00	3.6	9141.0
7679.	c8h15hco+hco=c8h15co+ch2o	4.70E+04	2.7	18235.0

7680.	$c8h15hco+c2h3=c8h15co+c2h4$	8.50E+09	0.0	6000.0
7681.	$c8h15co=Hc8h15-1+co$	2.00E+13	0.0	28700.0
7682.	$c8h15co+ho2=>co2+oh+Hc8h15-1$	2.00E+13	0.0	0.0
7683.	$nc10h22+c10h21qjA=c10h21qA+Ac10h21$	1.20E+13	0.0	20000.0
7684.	$nc10h22+c10h21qjA=c10h21qA+Bc10h21$	6.00E+12	0.0	17500.0
7685.	$nc10h22+c10h21qjA=c10h21qA+Cc10h21$	6.00E+12	0.0	17500.0
7686.	$nc10h22+c10h21qjA=c10h21qA+Dc10h21$	6.00E+12	0.0	17500.0
7687.	$nc10h22+c10h21qjA=c10h21qA+Ec10h21$	6.00E+12	0.0	17500.0
7688.	$nc10h22+c10h21qjB=c10h21qB+Ac10h21$	1.20E+13	0.0	20000.0
7689.	$nc10h22+c10h21qjB=c10h21qB+Bc10h21$	6.00E+12	0.0	17500.0
7690.	$nc10h22+c10h21qjB=c10h21qB+Cc10h21$	6.00E+12	0.0	17500.0
7691.	$nc10h22+c10h21qjB=c10h21qB+Dc10h21$	6.00E+12	0.0	17500.0
7692.	$nc10h22+c10h21qjB=c10h21qB+Ec10h21$	6.00E+12	0.0	17500.0
7693.	$nc10h22+c10h21qjC=c10h21qC+Ac10h21$	1.20E+13	0.0	20000.0
7694.	$nc10h22+c10h21qjC=c10h21qC+Bc10h21$	6.00E+12	0.0	17500.0
7695.	$nc10h22+c10h21qjC=c10h21qC+Cc10h21$	6.00E+12	0.0	17500.0
7696.	$nc10h22+c10h21qjC=c10h21qC+Dc10h21$	6.00E+12	0.0	17500.0
7697.	$nc10h22+c10h21qjC=c10h21qC+Ec10h21$	6.00E+12	0.0	17500.0
7698.	$nc10h22+c10h21qjD=c10h21qD+Ac10h21$	1.20E+13	0.0	20000.0
7699.	$nc10h22+c10h21qjD=c10h21qD+Bc10h21$	6.00E+12	0.0	17500.0
7700.	$nc10h22+c10h21qjD=c10h21qD+Cc10h21$	6.00E+12	0.0	17500.0
7701.	$nc10h22+c10h21qjD=c10h21qD+Dc10h21$	6.00E+12	0.0	17500.0
7702.	$nc10h22+c10h21qjD=c10h21qD+Ec10h21$	6.00E+12	0.0	17500.0
7703.	$nc10h22+c10h21qjE=c10h21qE+Ac10h21$	1.20E+13	0.0	20000.0
7704.	$nc10h22+c10h21qjE=c10h21qE+Bc10h21$	6.00E+12	0.0	17500.0
7705.	$nc10h22+c10h21qjE=c10h21qE+Cc10h21$	6.00E+12	0.0	17500.0
7706.	$nc10h22+c10h21qjE=c10h21qE+Dc10h21$	6.00E+12	0.0	17500.0
7707.	$nc10h22+c10h21qjE=c10h21qE+Ec10h21$	6.00E+12	0.0	17500.0
7708.	$Ac10h21+o2=c10h21qjA$	9.00E+18	-2.5	0.0
7709.	$Bc10h21+o2=c10h21qjB$	1.70E+19	-2.5	0.0
7710.	$Cc10h21+o2=c10h21qjC$	1.80E+19	-2.5	0.0
7711.	$Dc10h21+o2=c10h21qjD$	1.80E+19	-2.5	0.0
7712.	$Ec10h21+o2=c10h21qjE$	1.80E+19	-2.5	0.0
7713.	$Ac10h21+ho2=c10h21ojA+oh$	7.00E+12	0.0	-1000.0
7714.	$Bc10h21+ho2=c10h21ojB+oh$	7.00E+12	0.0	-1000.0
7715.	$Cc10h21+ho2=c10h21ojC+oh$	7.00E+12	0.0	-1000.0
7716.	$Dc10h21+ho2=c10h21ojD+oh$	7.00E+12	0.0	-1000.0
7717.	$Ec10h21+ho2=c10h21ojE+oh$	7.00E+12	0.0	-1000.0
7718.	$Ac10h21+ch3o2=c10h21ojA+ch3o$	7.00E+12	0.0	-1000.0
7719.	$Bc10h21+ch3o2=c10h21ojB+ch3o$	7.00E+12	0.0	-1000.0
7720.	$Cc10h21+ch3o2=c10h21ojC+ch3o$	7.00E+12	0.0	-1000.0
7721.	$Dc10h21+ch3o2=c10h21ojD+ch3o$	7.00E+12	0.0	-1000.0
7722.	$Ec10h21+ch3o2=c10h21ojE+ch3o$	7.00E+12	0.0	-1000.0
7723.	$Ac10h21+c2h5o2=c10h21ojA+c2h5o$	7.00E+12	0.0	-1000.0
7724.	$Bc10h21+c2h5o2=c10h21ojB+c2h5o$	7.00E+12	0.0	-1000.0
7725.	$Cc10h21+c2h5o2=c10h21ojC+c2h5o$	7.00E+12	0.0	-1000.0
7726.	$Dc10h21+c2h5o2=c10h21ojD+c2h5o$	7.00E+12	0.0	-1000.0
7727.	$Ec10h21+c2h5o2=c10h21ojE+c2h5o$	7.00E+12	0.0	-1000.0
7728.	$Ac10h21+nc3h7o2=c10h21ojA+nc3h7o$	7.00E+12	0.0	-1000.0
7729.	$Bc10h21+nc3h7o2=c10h21ojB+nc3h7o$	7.00E+12	0.0	-1000.0
7730.	$Cc10h21+nc3h7o2=c10h21ojC+nc3h7o$	7.00E+12	0.0	-1000.0
7731.	$Dc10h21+nc3h7o2=c10h21ojD+nc3h7o$	7.00E+12	0.0	-1000.0
7732.	$Ec10h21+nc3h7o2=c10h21ojE+nc3h7o$	7.00E+12	0.0	-1000.0
7733.	$Ac10h21+ic3h7o2=c10h21ojA+ic3h7o$	7.00E+12	0.0	-1000.0
7734.	$Bc10h21+ic3h7o2=c10h21ojB+ic3h7o$	7.00E+12	0.0	-1000.0
7735.	$Cc10h21+ic3h7o2=c10h21ojC+ic3h7o$	7.00E+12	0.0	-1000.0
7736.	$Dc10h21+ic3h7o2=c10h21ojD+ic3h7o$	7.00E+12	0.0	-1000.0
7737.	$Ec10h21+ic3h7o2=c10h21ojE+ic3h7o$	7.00E+12	0.0	-1000.0
7738.	$Ac10h21+c10h21qjA=2c10h21ojA$	7.00E+12	0.0	-1000.0
7739.	$Bc10h21+c10h21qjA=c10h21ojB+c10h21ojA$	7.00E+12	0.0	-1000.0
7740.	$Cc10h21+c10h21qjA=c10h21ojC+c10h21ojA$	7.00E+12	0.0	-1000.0

7741.	Dc10h21+c10h21qjA=c10h21ojD+c10h21ojA	7.00E+12	0.0	-1000.0
7742.	Ec10h21+c10h21qjA=c10h21ojE+c10h21ojA	7.00E+12	0.0	-1000.0
7743.	Ac10h21+c10h21qjB=c10h21ojA+c10h21ojB	7.00E+12	0.0	-1000.0
7744.	Bc10h21+c10h21qjB=2c10h21ojB	7.00E+12	0.0	-1000.0
7745.	Cc10h21+c10h21qjB=c10h21ojC+c10h21ojB	7.00E+12	0.0	-1000.0
7746.	Dc10h21+c10h21qjB=c10h21ojD+c10h21ojB	7.00E+12	0.0	-1000.0
7747.	Ec10h21+c10h21qjB=c10h21ojE+c10h21ojB	7.00E+12	0.0	-1000.0
7748.	Ac10h21+c10h21qjC=c10h21ojA+c10h21ojC	7.00E+12	0.0	-1000.0
7749.	Bc10h21+c10h21qjC=c10h21ojB+c10h21ojC	7.00E+12	0.0	-1000.0
7750.	Cc10h21+c10h21qjC=2c10h21ojC	7.00E+12	0.0	-1000.0
7751.	Dc10h21+c10h21qjC=c10h21ojD+c10h21ojC	7.00E+12	0.0	-1000.0
7752.	Ec10h21+c10h21qjC=c10h21ojE+c10h21ojC	7.00E+12	0.0	-1000.0
7753.	Ac10h21+c10h21qjD=c10h21ojA+c10h21ojD	7.00E+12	0.0	-1000.0
7754.	Bc10h21+c10h21qjD=c10h21ojB+c10h21ojD	7.00E+12	0.0	-1000.0
7755.	Cc10h21+c10h21qjD=c10h21ojC+c10h21ojD	7.00E+12	0.0	-1000.0
7756.	Dc10h21+c10h21qjD=2c10h21ojD	7.00E+12	0.0	-1000.0
7757.	Ec10h21+c10h21qjD=c10h21ojE+c10h21ojD	7.00E+12	0.0	-1000.0
7758.	Ac10h21+c10h21qjE=c10h21ojA+c10h21ojE	7.00E+12	0.0	-1000.0
7759.	Bc10h21+c10h21qjE=c10h21ojB+c10h21ojE	7.00E+12	0.0	-1000.0
7760.	Cc10h21+c10h21qjE=c10h21ojC+c10h21ojE	7.00E+12	0.0	-1000.0
7761.	Dc10h21+c10h21qjE=c10h21ojD+c10h21ojE	7.00E+12	0.0	-1000.0
7762.	Ec10h21+c10h21qjE=2c10h21ojE	7.00E+12	0.0	-1000.0
7763.	c10h21ojA=ch2o+Ac9h19	2.10E+22	-2.6	12941.0
7764.	c10h21ojB=ch3hco+Ac8h17	8.42E+09	1.2	9888.0
7765.	c10h21ojB=ch3+c8h17hco	5.28E+09	1.2	13999.0
7766.	c10h21ojC=ethco+Ac7h15	1.90E+10	1.1	9825.0
7767.	c10h21ojC=c2h5+c7h15hco	3.89E+12	0.5	9071.0
7768.	c10h21ojD=nc3h7+c6h13hco	1.22E+12	0.6	10063.0
7769.	c10h21ojD=nc3h7hco+Ac6h13	5.67E+13	0.2	10812.0
7770.	c10h21ojE=pc4h9+c5h11hco	2.60E+14	-0.1	11248.5
7771.	c10h21ojE=nc4h9hco+Ac5h11	8.89E+11	0.6	10405.0
7772.	c10h21qA=oh+c10h21ojA	1.50E+16	0.0	42500.0
7773.	c10h21qB=oh+c10h21ojB	1.25E+16	0.0	41600.0
7774.	c10h21qC=oh+c10h21ojC	1.25E+16	0.0	41600.0
7775.	c10h21qD=oh+c10h21ojD	1.25E+16	0.0	41600.0
7776.	c10h21qE=oh+c10h21ojE	1.25E+16	0.0	41600.0
7777.	c10h21qjA=c10h20rBqA	5.70E+08	1.0	32500.0
7778.	c10h21qjA=c10h20rCqA	9.90E+07	1.0	25000.0
7779.	c10h21qjA=c10h20rDqA	1.70E+07	1.0	22000.0
7780.	c10h21qjA=c10h20rEqA	2.90E+06	1.0	21000.0
7781.	c10h21qjB=c10h20rAqB	8.65E+08	1.0	35500.0
7782.	c10h21qjB=c10h20rCqB	5.70E+08	1.0	32500.0
7783.	c10h21qjB=c10h20rDqB	9.90E+07	1.0	25000.0
7784.	c10h21qjB=c10h20rEqB	1.70E+07	1.0	22000.0
7785.	c10h21qjB=c10h20rFqB	2.90E+06	1.0	21000.0
7786.	c10h21qjC=c10h20rAqC	1.48E+08	1.0	28000.0
7787.	c10h21qjC=c10h20rBqC	5.70E+08	1.0	32500.0
7788.	c10h21qjC=c10h20rDqC	5.70E+08	1.0	32500.0
7789.	c10h21qjC=c10h20rEqC	9.90E+07	1.0	25000.0
7790.	c10h21qjC=c10h20rFqC	1.70E+07	1.0	22000.0
7791.	c10h21qjC=c10h20rGqC	2.90E+06	1.0	21000.0
7792.	c10h21qjD=c10h20rAqD	2.53E+07	1.0	25000.0
7793.	c10h21qjD=c10h20rBqD	9.90E+07	1.0	25000.0
7794.	c10h21qjD=c10h20rCqD	5.70E+08	1.0	32500.0
7795.	c10h21qjD=c10h20rEqD	5.70E+08	1.0	32500.0
7796.	c10h21qjD=c10h20rFqD	9.90E+07	1.0	25000.0
7797.	c10h21qjD=c10h20rGqD	1.70E+07	1.0	22000.0
7798.	c10h21qjD=c10h20rHqD	2.90E+06	1.0	21000.0
7799.	c10h21qjE=c10h20rAqE	4.35E+06	1.0	24000.0
7800.	c10h21qjE=c10h20rBqE	1.70E+07	1.0	22000.0
7801.	c10h21qjE=c10h20rCqE	9.90E+07	1.0	25000.0

7802.	c10h21qjE=c10h20rDqE	5.70E+08	1.0	32500.0
7803.	c10h21qjE=c10h20rFqE	5.70E+08	1.0	32500.0
7804.	c10h21qjE=c10h20rGqE	9.90E+07	1.0	25000.0
7805.	c10h21qjE=c10h20rHqE	1.70E+07	1.0	22000.0
7806.	c10h21qjE=c10h20rIqE	2.90E+06	1.0	21000.0
7807.	c10h21qjA+ho2=c10h21qA+o2	2.90E+11	0.0	1550.0
7808.	c10h21qjB+ho2=c10h21qB+o2	2.90E+11	0.0	1550.0
7809.	c10h21qjC+ho2=c10h21qC+o2	2.90E+11	0.0	1550.0
7810.	c10h21qjD+ho2=c10h21qD+o2	2.90E+11	0.0	1550.0
7811.	c10h21qjE+ho2=c10h21qE+o2	2.90E+11	0.0	1550.0
7812.	c10h21qjA+h2o2=c10h21qA+ho2	2.40E+12	0.0	10000.0
7813.	c10h21qjB+h2o2=c10h21qB+ho2	2.40E+12	0.0	10000.0
7814.	c10h21qjC+h2o2=c10h21qC+ho2	2.40E+12	0.0	10000.0
7815.	c10h21qjD+h2o2=c10h21qD+ho2	2.40E+12	0.0	10000.0
7816.	c10h21qjE+h2o2=c10h21qE+ho2	2.40E+12	0.0	10000.0
7817.	c10h21qjA+ho2=c10h21ojA+oh+o2	1.00E+11	0.0	0.0
7818.	c10h21qjB+ho2=c10h21ojB+oh+o2	1.00E+11	0.0	0.0
7819.	c10h21qjC+ho2=c10h21ojC+oh+o2	1.00E+11	0.0	0.0
7820.	c10h21qjD+ho2=c10h21ojD+oh+o2	1.00E+11	0.0	0.0
7821.	c10h21qjE+ho2=c10h21ojE+oh+o2	1.00E+11	0.0	0.0
7822.	c10h21qjA+ch3o2=c10h21ojA+ch3o+o2	1.40E+16	-1.6	1860.0
7823.	c10h21qjB+ch3o2=c10h21ojB+ch3o+o2	1.40E+16	-1.6	1860.0
7824.	c10h21qjC+ch3o2=c10h21ojC+ch3o+o2	1.40E+16	-1.6	1860.0
7825.	c10h21qjD+ch3o2=c10h21ojD+ch3o+o2	1.40E+16	-1.6	1860.0
7826.	c10h21qjE+ch3o2=c10h21ojE+ch3o+o2	1.40E+16	-1.6	1860.0
7827.	c10h21qjA+c10h21qjA=c10h21ojA+c10h21ojA+o2	1.40E+16	-1.6	1860.0
7828.	c10h21qjA+c10h21qjB=c10h21ojA+c10h21ojB+o2	1.40E+16	-1.6	1860.0
7829.	c10h21qjA+c10h21qjC=c10h21ojA+c10h21ojC+o2	1.40E+16	-1.6	1860.0
7830.	c10h21qjA+c10h21qjD=c10h21ojA+c10h21ojD+o2	1.40E+16	-1.6	1860.0
7831.	c10h21qjA+c10h21qjE=c10h21ojA+c10h21ojE+o2	1.40E+16	-1.6	1860.0
7832.	c10h21qjB+c10h21qjB=c10h21ojB+c10h21ojB+o2	1.40E+16	-1.6	1860.0
7833.	c10h21qjB+c10h21qjC=c10h21ojC+c10h21ojB+o2	1.40E+16	-1.6	1860.0
7834.	c10h21qjB+c10h21qjD=c10h21ojD+c10h21ojB+o2	1.40E+16	-1.6	1860.0
7835.	c10h21qjB+c10h21qjE=c10h21ojE+c10h21ojB+o2	1.40E+16	-1.6	1860.0
7836.	c10h21qjC+c10h21qjC=c10h21ojC+c10h21ojC+o2	1.40E+16	-1.6	1860.0
7837.	c10h21qjC+c10h21qjD=c10h21ojC+c10h21ojD+o2	1.40E+16	-1.6	1860.0
7838.	c10h21qjC+c10h21qjE=c10h21ojC+c10h21ojE+o2	1.40E+16	-1.6	1860.0
7839.	c10h21qjD+c10h21qjD=c10h21ojD+c10h21ojD+o2	1.40E+16	-1.6	1860.0
7840.	c10h21qjD+c10h21qjE=c10h21ojD+c10h21ojE+o2	1.40E+16	-1.6	1860.0
7841.	c10h21qjE+c10h21qjE=c10h21ojE+c10h21ojE+o2	1.40E+16	-1.6	1860.0
7842.	c10h20rBqA+o2=c10h20qjBqA	1.70E+19	-2.5	0.0
7843.	c10h20rCqA+o2=c10h20qjCqA	1.80E+19	-2.5	0.0
7844.	c10h20rDqA+o2=c10h20qjDqA	1.80E+19	-2.5	0.0
7845.	c10h20rEqA+o2=c10h20qjEqA	1.80E+19	-2.5	0.0
7846.	c10h20rAqB+o2=c10h20qjAqB	9.00E+18	-2.5	0.0
7847.	c10h20rCqB+o2=c10h20qjCqB	1.80E+19	-2.5	0.0
7848.	c10h20rDqB+o2=c10h20qjDqB	1.80E+19	-2.5	0.0
7849.	c10h20rEqB+o2=c10h20qjEqB	1.80E+19	-2.5	0.0
7850.	c10h20rFqB+o2=c10h20qjFqB	1.80E+19	-2.5	0.0
7851.	c10h20rAqC+o2=c10h20qjAqC	9.00E+18	-2.5	0.0
7852.	c10h20rBqC+o2=c10h20qjBqC	1.70E+19	-2.5	0.0
7853.	c10h20rDqC+o2=c10h20qjDqC	1.80E+19	-2.5	0.0
7854.	c10h20rEqC+o2=c10h20qjEqC	1.80E+19	-2.5	0.0
7855.	c10h20rFqC+o2=c10h20qjFqC	1.80E+19	-2.5	0.0
7856.	c10h20rGqC+o2=c10h20qjGqC	1.80E+19	-2.5	0.0
7857.	c10h20rAqD+o2=c10h20qjAqD	9.00E+18	-2.5	0.0
7858.	c10h20rBqD+o2=c10h20qjBqD	1.70E+19	-2.5	0.0
7859.	c10h20rCqD+o2=c10h20qjCqD	1.80E+19	-2.5	0.0
7860.	c10h20rEqD+o2=c10h20qjEqD	1.80E+19	-2.5	0.0
7861.	c10h20rFqD+o2=c10h20qjFqD	1.80E+19	-2.5	0.0
7862.	c10h20rGqD+o2=c10h20qjGqD	1.80E+19	-2.5	0.0

7863.	c10h20rHqD+o2=c10h20qjHqD	1.80E+19	-2.5	0.0
7864.	c10h20rAqE+o2=c10h20qjAqE	9.00E+18	-2.5	0.0
7865.	c10h20rBqE+o2=c10h20qjBqE	1.70E+19	-2.5	0.0
7866.	c10h20rCqE+o2=c10h20qjCqE	1.80E+19	-2.5	0.0
7867.	c10h20rDqE+o2=c10h20qjDqE	1.80E+19	-2.5	0.0
7868.	c10h20rFqE+o2=c10h20qjFqE	1.80E+19	-2.5	0.0
7869.	c10h20rGqE+o2=c10h20qjGqE	1.80E+19	-2.5	0.0
7870.	c10h20rHqE+o2=c10h20qjHqE	1.80E+19	-2.5	0.0
7871.	c10h20rIqE+o2=c10h20qjIqE	1.70E+19	-2.5	0.0
7872.	c10h20rCqA=oh+ch2o+c9h18-1	3.67E+12	0.5	28377.0
7873.	c10h20rDqB=oh+ch3hco+c8h16-1	1.27E+18	-1.1	29189.0
7874.	c10h20rAqC=oh+c7h15hco+c2h4	6.38E+15	-0.5	28717.0
7875.	c10h20rEqC=oh+ethco+c7h14-1	5.46E+17	-1.0	28585.0
7876.	c10h20rBqD=oh+c6h13hco+c3h6	1.24E+15	-0.2	27943.0
7877.	c10h20rFqD=oh+nc3h7hco+c6h12-1	1.30E+17	-0.8	28398.0
7878.	c10h20rCqE=oh+c5h11hco+c4h8	8.47E+15	-0.4	28015.0
7879.	c10h20rGqE=oh+nc4h9hco+c5h10	4.49E+16	-0.7	28240.0
7880.	c10h20rBqA=oh+c10h20o-AB	1.38E+12	0.0	15900.0
7881.	c10h20rCqA=oh+c10h20o-AC	2.04E+11	0.0	19500.0
7882.	c10h20rDqA=oh+c10h20o-AD	3.63E+10	0.0	13000.0
7883.	c10h20rEqA=oh+c10h20o-AE	1.70E+08	0.0	1950.0
7884.	c10h20rAqB=oh+c10h20o-AB	1.38E+12	0.0	15900.0
7885.	c10h20rCqB=oh+c10h20o-BC	1.38E+12	0.0	15900.0
7886.	c10h20rDqB=oh+c10h20o-BD	2.04E+11	0.0	19500.0
7887.	c10h20rEqB=oh+c10h20o-BE	3.63E+10	0.0	13000.0
7888.	c10h20rFqB=oh+c10h20o-BF	1.70E+08	0.0	1950.0
7889.	c10h20rAqC=oh+c10h20o-AC	2.04E+11	0.0	19500.0
7890.	c10h20rBqC=oh+c10h20o-BC	1.38E+12	0.0	15900.0
7891.	c10h20rDqC=oh+c10h20o-CD	1.38E+12	0.0	15900.0
7892.	c10h20rEqC=oh+c10h20o-CE	2.04E+11	0.0	19500.0
7893.	c10h20rFqC=oh+c10h20o-CF	3.63E+10	0.0	13000.0
7894.	c10h20rGqC=oh+c10h20o-CG	1.70E+08	0.0	1950.0
7895.	c10h20rAqD=oh+c10h20o-AD	3.63E+10	0.0	13000.0
7896.	c10h20rBqD=oh+c10h20o-BD	2.04E+11	0.0	19500.0
7897.	c10h20rCqD=oh+c10h20o-CD	1.38E+12	0.0	15900.0
7898.	c10h20rEqD=oh+c10h20o-DE	1.38E+12	0.0	15900.0
7899.	c10h20rFqD=oh+c10h20o-DF	2.04E+11	0.0	19500.0
7900.	c10h20rGqD=oh+c10h20o-DG	3.63E+10	0.0	13000.0
7901.	c10h20rHqD=oh+c10h20o-CG	1.70E+08	0.0	1950.0
7902.	c10h20rAqE=oh+c10h20o-AE	1.70E+08	0.0	1950.0
7903.	c10h20rBqE=oh+c10h20o-BE	3.63E+10	0.0	13000.0
7904.	c10h20rCqE=oh+c10h20o-CE	2.04E+11	0.0	19500.0
7905.	c10h20rDqE=oh+c10h20o-DE	2.95E+11	0.0	22000.0
7906.	c10h20rFqE=oh+c10h20o-EF	2.95E+11	0.0	22000.0
7907.	c10h20rGqE=oh+c10h20o-DF	2.04E+11	0.0	19500.0
7908.	c10h20rHqE=oh+c10h20o-CF	3.63E+10	0.0	13000.0
7909.	c10h20rIqE=oh+c10h20o-BF	1.70E+08	0.0	1950.0
7910.	ho2+c10h20-1=c10h20rAqB	1.50E+11	0.0	7800.0
7911.	ho2+c10h20-1=c10h20rBqA	1.50E+11	0.0	7800.0
7912.	ho2+c10h20-2=c10h20rBqC	1.50E+11	0.0	7800.0
7913.	ho2+c10h20-2=c10h20rCqB	1.50E+11	0.0	7800.0
7914.	ho2+c10h20-3=c10h20rCqD	1.50E+11	0.0	7800.0
7915.	ho2+c10h20-3=c10h20rDqC	1.50E+11	0.0	7800.0
7916.	ho2+c10h20-4=c10h20rDqE	1.50E+11	0.0	7800.0
7917.	ho2+c10h20-4=c10h20rEqD	1.50E+11	0.0	7800.0
7918.	ho2+c10h20-5=c10h20rFqE	1.50E+11	0.0	7800.0
7919.	c10h20qjBqA=oh+c10h19oAqB	3.35E+09	1.0	33500.0
7920.	c10h20qjCqA=oh+c10h19oAqC	5.75E+08	1.0	26000.0
7921.	c10h20qjDqA=oh+c10h19oAqD	9.89E+07	1.0	23000.0
7922.	c10h20qjEqA=oh+c10h19oAqE	1.70E+07	1.0	22000.0
7923.	c10h20qjAqB=oh+c10h19oBqA	1.67E+09	1.0	30500.0

7924.	c10h20qjCqB=oh+c10h19oBqC	1.67E+09	1.0	30500.0
7925.	c10h20qjDqB=oh+c10h19oBqD	2.87E+08	1.0	23000.0
7926.	c10h20qjEqB=oh+c10h19oBqE	4.94E+07	1.0	20000.0
7927.	c10h20qjFqB=oh+c10h19oBqF	8.49E+06	1.0	19000.0
7928.	c10h20qjAqC=oh+c10h19oCqA	2.87E+08	1.0	23000.0
7929.	c10h20qjBqC=oh+c10h19oCqB	1.67E+09	1.0	30500.0
7930.	c10h20qjDqC=oh+c10h19oCqD	1.67E+09	1.0	30500.0
7931.	c10h20qjEqC=oh+c10h19oCqE	2.87E+08	1.0	23000.0
7932.	c10h20qjFqC=oh+c10h19oCqF	4.94E+07	1.0	20000.0
7933.	c10h20qjGqC=oh+c10h19oCqG	8.49E+06	1.0	19000.0
7934.	c10h20qjAqD=oh+c10h19oDqA	4.94E+07	1.0	20000.0
7935.	c10h20qjBqD=oh+c10h19oDqB	2.87E+08	1.0	23000.0
7936.	c10h20qjCqD=oh+c10h19oDqC	1.67E+09	1.0	30500.0
7937.	c10h20qjEqD=oh+c10h19oDqE	1.67E+09	1.0	30500.0
7938.	c10h20qjFqD=oh+c10h19oDqF	2.87E+08	1.0	23000.0
7939.	c10h20qjGqD=oh+c10h19oDqG	4.94E+07	1.0	20000.0
7940.	c10h20qjHqD=oh+c10h19oDqH	8.49E+06	1.0	19000.0
7941.	c10h20qjAqE=oh+c10h19oEqA	8.49E+06	1.0	19000.0
7942.	c10h20qjBqE=oh+c10h19oEqB	4.94E+07	1.0	20000.0
7943.	c10h20qjCqE=oh+c10h19oEqC	2.87E+08	1.0	23000.0
7944.	c10h20qjDqE=oh+c10h19oEqD	1.67E+09	1.0	30500.0
7945.	c10h20qjFqE=oh+c10h19oEqF	1.67E+09	1.0	30500.0
7946.	c10h20qjGqE=oh+c10h19oEqG	2.87E+08	1.0	23000.0
7947.	c10h20qjHqE=oh+c10h19oEqH	4.94E+07	1.0	20000.0
7948.	c10h20qjIqE=oh+c10h19oEqI	8.49E+06	1.0	19000.0
7949.	c10h19oAqB=>oh+hco+c8h17hco	1.00E+16	0.0	43000.0
7950.	c10h19oAqC=>oh+ch2hco+c7h15hco	1.00E+16	0.0	43000.0
7951.	c10h19oAqD=>oh+ch2ch2hco+c6h13hco	1.00E+16	0.0	43000.0
7952.	c10h19oAqE=>oh+c3h6cho-1+c5h11hco	1.00E+16	0.0	43000.0
7953.	c10h19oBqA=>oh+ch2o+c8h17co	1.00E+16	0.0	43000.0
7954.	c10h19oBqC=>oh+ch3co+c7h15hco	1.00E+16	0.0	43000.0
7955.	c10h19oBqD=>oh+ch2coch3+c6h13hco	1.00E+16	0.0	43000.0
7956.	c10h19oBqE=>oh+ch3coc2h4p+c5h11hco	1.00E+16	0.0	43000.0
7957.	c10h19oBqF=>oh+c3h6coch3-1+nc4h9hco	1.00E+16	0.0	43000.0
7958.	c10h19oCqA=>oh+ch2o+nc7h15coch2	1.00E+16	0.0	43000.0
7959.	c10h19oCqB=>oh+ch3hco+c7h15co	1.00E+16	0.0	43000.0
7960.	c10h19oCqD=>oh+c2h5co+c6h13hco	1.00E+16	0.0	43000.0
7961.	c10h19oCqE=>oh+c2h5coch2+c5h11hco	1.00E+16	0.0	43000.0
7962.	c10h19oCqF=>oh+c2h5coc2h4p+nc4h9hco	1.00E+16	0.0	43000.0
7963.	c10h19oCqG=>oh+c2h5coc3h6-1+nc3h7hco	1.00E+16	0.0	43000.0
7964.	c10h19oDqA=>oh+ch2o+nc6h13coc2h4p	1.00E+16	0.0	43000.0
7965.	c10h19oDqB=>oh+ch3hco+nc6h13coch2	1.00E+16	0.0	43000.0
7966.	c10h19oDqC=>oh+ethco+c6h13co	1.00E+16	0.0	43000.0
7967.	c10h19oDqE=>oh+c3h7co+c5h11hco	1.00E+16	0.0	43000.0
7968.	c10h19oDqF=>oh+nc4h9hco+nc3h7coch2	1.00E+16	0.0	43000.0
7969.	c10h19oDqG=>oh+nc3h7hco+nc3h7coc2h4p	1.00E+16	0.0	43000.0
7970.	c10h19oDqH=>oh+ethco+nc3h7coc3h6-1	1.00E+16	0.0	43000.0
7971.	c10h19oEqA=>oh+ch2o+nc5h11coc3h6-1	1.00E+16	0.0	43000.0
7972.	c10h19oEqB=>oh+ch3hco+nc5h11coc2h4p	1.00E+16	0.0	43000.0
7973.	c10h19oEqC=>oh+ethco+nc5h11coch2	1.00E+16	0.0	43000.0
7974.	c10h19oEqD=>oh+nc3h7hco+c5h11co	1.00E+16	0.0	43000.0
7975.	c10h19oEqF=>oh+nc4h9co+nc4h9hco	1.00E+16	0.0	43000.0
7976.	c10h19oEqG=>oh+nc3h7hco+ch2co+pc4h9	1.00E+16	0.0	43000.0
7977.	c10h19oEqH=>oh+ethco+nc4h9coc2h4p	1.00E+16	0.0	43000.0
7978.	c10h19oEqI=>oh+ch3hco+nc4h9coc3h6-1	1.00E+16	0.0	43000.0
7979.	c10h20o-AB+h=>h2+acrol+Ac7h15	4.80E+08	1.5	2785.0
7980.	c10h20o-AB+oh=>h2o+acrol+Ac7h15	2.40E+06	2.0	-1192.0
7981.	c10h20o-AB+ho2=>h2o2+acrol+Ac7h15	2.50E+04	2.5	11605.0
7982.	c10h20o-AB+h=>h2+ch2co+Ac8h17	2.40E+08	1.5	2005.0
7983.	c10h20o-AB+oh=>h2o+ch2co+Ac8h17	1.20E+06	2.0	-1192.0
7984.	c10h20o-AB+ho2=>h2o2+ch2co+Ac8h17	1.00E+04	2.5	9400.0

7985.	c10h20o-BC+h=>h2+mvk+Ac6h13	2.40E+08	1.5	2005.0
7986.	c10h20o-BC+oh=>h2o+mvk+Ac6h13	1.20E+06	2.0	-1192.0
7987.	c10h20o-BC+ho2=>h2o2+mvk+Ac6h13	1.00E+04	2.5	9400.0
7988.	c10h20o-BC+h=>h2+ch3chco+Ac7h15	2.40E+08	1.5	2005.0
7989.	c10h20o-BC+oh=>h2o+ch3chco+Ac7h15	1.20E+06	2.0	-1192.0
7990.	c10h20o-BC+ho2=>h2o2+ch3chco+Ac7h15	1.00E+04	2.5	9400.0
7991.	c10h20o-CD+h=>h2+c2h5coc2h3+Ac5h11	2.40E+08	1.5	2005.0
7992.	c10h20o-CD+oh=>h2o+c2h5coc2h3+Ac5h11	1.20E+06	2.0	-1192.0
7993.	c10h20o-CD+ho2=>h2o2+c2h5coc2h3+Ac5h11	1.00E+04	2.5	9400.0
7994.	c10h20o-CD+h=>h2+ch3+c2h3coc6h13	2.40E+08	1.5	2005.0
7995.	c10h20o-CD+oh=>h2o+ch3+c2h3coc6h13	1.20E+06	2.0	-1192.0
7996.	c10h20o-CD+ho2=>h2o2+ch3+c2h3coc6h13	1.00E+04	2.5	9400.0
7997.	c10h20o-DE+h=>h2+c2h3coc3h7+pc4h9	2.40E+08	1.5	2005.0
7998.	c10h20o-DE+oh=>h2o+c2h3coc3h7+pc4h9	1.20E+06	2.0	-1192.0
7999.	c10h20o-DE+ho2=>h2o2+c2h3coc3h7+pc4h9	1.00E+04	2.5	9400.0
8000.	c10h20o-DE+h=>h2+c2h5+c2h3coc5h11	2.40E+08	1.5	2005.0
8001.	c10h20o-DE+oh=>h2o+c2h5+c2h3coc5h11	1.20E+06	2.0	-1192.0
8002.	c10h20o-DE+ho2=>h2o2+c2h5+c2h3coc5h11	1.00E+04	2.5	9400.0
8003.	c10h20o-EF+h=>h2+c2h3coc4h9+nc3h7	4.80E+08	1.5	2005.0
8004.	c10h20o-EF+oh=>h2o+c2h3coc4h9+nc3h7	2.40E+06	2.0	-1192.0
8005.	c10h20o-EF+ho2=>h2o2+c2h3coc4h9+nc3h7	1.00E+04	2.5	9400.0
8006.	c10h20o-AC+h=>h2+c9h18-1+hco	4.80E+08	1.5	2785.0
8007.	c10h20o-AC+oh=>h2o+c9h18-1+hco	2.40E+06	2.0	-1192.0
8008.	c10h20o-AC+ho2=>h2o2+c9h18-1+hco	2.50E+04	2.5	11605.0
8009.	c10h20o-AC+h=>h2+c2h4+c7h15co	2.40E+08	1.5	2005.0
8010.	c10h20o-AC+oh=>h2o+c2h4+c7h15co	1.20E+06	2.0	-1192.0
8011.	c10h20o-AC+ho2=>h2o2+c2h4+c7h15co	1.00E+04	2.5	9400.0
8012.	c10h20o-BD+h=>h2+ch3co+c8h16-1	2.40E+08	1.5	2005.0
8013.	c10h20o-BD+oh=>h2o+ch3co+c8h16-1	1.20E+06	2.0	-1192.0
8014.	c10h20o-BD+ho2=>h2o2+ch3co+c8h16-1	1.00E+04	2.5	9400.0
8015.	c10h20o-BD+h=>h2+c3h6+c6h13co	2.40E+08	1.5	2005.0
8016.	c10h20o-BD+oh=>h2o+c3h6+c6h13co	1.20E+06	2.0	-1192.0
8017.	c10h20o-BD+ho2=>h2o2+c3h6+c6h13co	1.00E+04	2.5	9400.0
8018.	c10h20o-CE+h=>h2+c7h14-1+c2h5co	2.40E+08	1.5	2005.0
8019.	c10h20o-CE+oh=>h2o+c7h14-1+c2h5co	1.20E+06	2.0	-1192.0
8020.	c10h20o-CE+ho2=>h2o2+c7h14-1+c2h5co	1.00E+04	2.5	9400.0
8021.	c10h20o-CE+h=>h2+c4h8+c5h11co	2.40E+08	1.5	2005.0
8022.	c10h20o-CE+oh=>h2o+c4h8+c5h11co	1.20E+06	2.0	-1192.0
8023.	c10h20o-CE+ho2=>h2o2+c4h8+c5h11co	1.00E+04	2.5	9400.0
8024.	c10h20o-DF+h=>h2+c6h12-1+c3h7co	2.40E+08	1.5	2005.0
8025.	c10h20o-DF+oh=>h2o+c6h12-1+c3h7co	1.20E+06	2.0	-1192.0
8026.	c10h20o-DF+ho2=>h2o2+c6h12-1+c3h7co	1.00E+04	2.5	9400.0
8027.	c10h20o-DF+h=>h2+c5h10+nc4h9co	2.40E+08	1.5	2005.0
8028.	c10h20o-DF+oh=>h2o+c5h10+nc4h9co	1.20E+06	2.0	-1192.0
8029.	c10h20o-DF+ho2=>h2o2+c5h10+nc4h9co	1.00E+04	2.5	9400.0
8030.	c10h20o-AD+h=>h2+c2h4+nc6h13coch2	4.80E+08	1.5	2785.0
8031.	c10h20o-AD+oh=>h2o+c2h4+nc6h13coch2	2.40E+06	2.0	-1192.0
8032.	c10h20o-AD+ho2=>h2o2+c2h4+nc6h13coch2	2.50E+04	2.5	11605.0
8033.	c10h20o-AD+h=>h2+c8h16-1+ch2hco	2.40E+08	1.5	2005.0
8034.	c10h20o-AD+oh=>h2o+c8h16-1+ch2hco	1.20E+06	2.0	-1192.0
8035.	c10h20o-AD+ho2=>h2o2+c8h16-1+ch2hco	1.00E+04	2.5	9400.0
8036.	c10h20o-BE+h=>h2+c7h14-1+ch2coch3	2.40E+08	1.5	2005.0
8037.	c10h20o-BE+oh=>h2o+c7h14-1+ch2coch3	1.20E+06	2.0	-1192.0
8038.	c10h20o-BE+ho2=>h2o2+c7h14-1+ch2coch3	1.00E+04	2.5	9400.0
8039.	c10h20o-BE+h=>h2+c3h6+nc5h11coch2	2.40E+08	1.5	2005.0
8040.	c10h20o-BE+oh=>h2o+c3h6+nc5h11coch2	1.20E+06	2.0	-1192.0
8041.	c10h20o-BE+ho2=>h2o2+c3h6+nc5h11coch2	1.00E+04	2.5	9400.0
8042.	c10h20o-CF+h=>h2+c6h12-1+c2h5coch2	2.40E+08	1.5	2005.0
8043.	c10h20o-CF+oh=>h2o+c6h12-1+c2h5coch2	1.20E+06	2.0	-1192.0
8044.	c10h20o-CF+ho2=>h2o2+c6h12-1+c2h5coch2	1.00E+04	2.5	9400.0
8045.	c10h20o-CF+h=>h2+c4h8+nc4h9coch2	2.40E+08	1.5	2005.0

8046.	c10h20o-CF+oh=>h2o+c4h8+nc4h9coch2	1.20E+06	2.0	-1192.0
8047.	c10h20o-CF+ho2=>h2o2+c4h8+nc4h9coch2	1.00E+04	2.5	9400.0
8048.	c10h20o-DG+h=>h2+c5h10+nc3h7coch2	4.80E+08	1.5	2005.0
8049.	c10h20o-DG+oh=>h2o+c5h10+nc3h7coch2	2.40E+06	2.0	-1192.0
8050.	c10h20o-DG+ho2=>h2o2+c5h10+nc3h7coch2	4.00E+12	0.0	13260.0
8051.	c10h20o-AE+h=>h2+c7h14-1+ch2ch2hco	4.80E+08	1.5	2785.0
8052.	c10h20o-AE+oh=>h2o+c7h14-1+ch2ch2hco	2.40E+06	2.0	-1192.0
8053.	c10h20o-AE+ho2=>h2o2+c7h14-1+ch2ch2hco	2.50E+04	2.5	11605.0
8054.	c10h20o-AE+h=>h2+c2h4+nc5h11coc2h4p	2.40E+08	1.5	2005.0
8055.	c10h20o-AE+oh=>h2o+c2h4+nc5h11coc2h4p	1.20E+06	2.0	-1192.0
8056.	c10h20o-AE+ho2=>h2o2+c2h4+nc5h11coc2h4p	1.00E+04	2.5	9400.0
8057.	c10h20o-BF+h=>h2+Fc10h19oB	2.40E+08	1.5	2005.0
8058.	c10h20o-BF+oh=>h2o+Fc10h19oB	1.20E+06	2.0	-1192.0
8059.	c10h20o-BF+ho2=>h2o2+Fc10h19oB	1.00E+04	2.5	9400.0
8060.	c10h20o-BF+h=>h2+c3h6+nc4h9coc2h4p	2.40E+08	1.5	2005.0
8061.	c10h20o-BF+oh=>h2o+c3h6+nc4h9coc2h4p	1.20E+06	2.0	-1192.0
8062.	c10h20o-BF+ho2=>h2o2+c3h6+nc4h9coc2h4p	1.00E+04	2.5	9400.0
8063.	c10h20o-CG+h=>h2+Gc10h19oC	2.40E+08	1.5	2005.0
8064.	c10h20o-CG+oh=>h2o+Gc10h19oC	1.20E+06	2.0	-1192.0
8065.	c10h20o-CG+ho2=>h2o2+Gc10h19oC	1.00E+04	2.5	9400.0
8066.	c10h20o-CG+h=>h2+c4h8+nc3h7coc2h4p	2.40E+08	1.5	2005.0
8067.	c10h20o-CG+oh=>h2o+c4h8+nc3h7coc2h4p	1.20E+06	2.0	-1192.0
8068.	c10h20o-CG+ho2=>h2o2+c4h8+nc3h7coc2h4p	1.00E+04	2.5	9400.0
8069.	ch3coc2h4p+c6h12-1=Fc10h19oB	1.32E+04	2.5	6130.0
8070.	nc3h7+ch3coc5h9-1=Fc10h19oB	1.32E+04	2.5	6130.0
8071.	c2h5coc2h4p+c5h10=Gc10h19oC	1.32E+04	2.5	6130.0
8072.	c2h5+c2h5coc5h9-1=Gc10h19oC	1.32E+04	2.5	6130.0
8073.	c10h20-1+ho2=oh+c10h20o-AB	1.00E+12	0.0	14400.0
8074.	c10h20-2+ho2=oh+c10h20o-BC	1.00E+12	0.0	14400.0
8075.	c10h20-3+ho2=oh+c10h20o-CD	1.00E+12	0.0	14400.0
8076.	c10h20-4+ho2=oh+c10h20o-DE	1.00E+12	0.0	14400.0
8077.	c10h20-5+ho2=oh+c10h20o-EF	1.00E+12	0.0	14400.0
8078.	c9h19hco+h=h2+c9h19co	4.00E+13	0.0	4200.0
8079.	c9h19hco+oh=h2o+c9h19co	4.20E+12	0.0	500.0
8080.	c9h19hco+ho2=h2o2+c9h19co	1.00E+12	0.0	10000.0
8081.	c9h19hco+ch3=ch4+c9h19co	2.00E-06	5.6	2500.0
8082.	c9h19hco+c2h5=c2h6+c9h19co	1.30E+12	0.0	8500.0
8083.	c9h19hco+o2=ho2+c9h19co	1.00E+13	0.0	40700.0
8084.	c9h19co+M=co+Ac9h19+M	8.64E+15	0.0	14400.0
8085.	c9h19co+ho2=>co2+oh+Ac9h19	2.00E+13	0.0	0.0
8086.	choch2ch2cho+oh=h2o+choch2ch2co	5.38E+10	0.8	-340.0
8087.	choch2ch2cho+h=h2+choch2ch2co	8.00E+13	0.0	4200.0
8088.	choch2ch2cho+o=oh+choch2ch2co	1.00E+13	0.0	1790.0
8089.	choch2ch2cho+ch3=ch4+choch2ch2co	3.40E+12	0.0	8440.0
8090.	choch2ch2cho+ho2=h2o2+choch2ch2co	5.60E+12	0.0	13600.0
8091.	choch2ch2cho+o2=ho2+choch2ch2co	4.00E+13	0.5	42200.0
8092.	choch2ch2co+M=co+ch2ch2hco+M	8.64E+15	0.0	14400.0
8093.	choch2ch2co+ho2=oh+co2+ch2ch2hco	2.00E+13	0.0	0.0
8094.	nc7h15coch2=Ac7h15+ch2co	1.00E+13	0.0	28000.0
8095.	nc7h15coch2+o2=nc7h15coch2o2	9.00E+18	-2.5	0.0
8096.	nc7h15coch2o2+ho2=nc7h15coch2o2h+o2	2.29E+11	0.0	-1790.0
8097.	nc7h15coch2o2h=nc7h15coch2o+oh	1.50E+16	0.0	42500.0
8098.	ch2o+c7h15co=nc7h15coch2o	1.50E+11	0.0	11900.0
8099.	nc6h13coch2=Ac6h13+ch2co	1.00E+13	0.0	28000.0
8100.	nc6h13coch2+o2=nc6h13coch2o2	9.00E+18	-2.5	0.0
8101.	nc6h13coch2o2+ho2=nc6h13coch2o2h+o2	2.29E+11	0.0	-1790.0
8102.	nc6h13coch2o2h=nc6h13coch2o+oh	1.50E+16	0.0	42500.0
8103.	ch2o+c6h13co=nc6h13coch2o	1.50E+11	0.0	11900.0
8104.	nc5h11coch2=Ac5h11+ch2co	1.00E+13	0.0	28000.0
8105.	nc5h11coch2+o2=nc5h11coch2o2	9.00E+18	-2.5	0.0
8106.	nc5h11coch2o2+ho2=c7h13oBqA+o2	2.29E+11	0.0	-1790.0



8107.	nc4h9coch2=pc4h9+ch2co	1.00E+13	0.0	28000.0
8108.	nc4h9coch2+o2=nc4h9coch2o2	9.00E+18	-2.5	0.0
8109.	nc4h9coch2o2+ho2=c6h11oBqA+o2	2.29E+11	0.0	-1790.0
8110.	c2h5coc3h6-1=c2h5coch2+c2h4	2.00E+13	0.0	27000.0
8111.	c2h5coc3h6-1+o2=c2h5coc3h6o2-1	9.00E+18	-2.5	0.0
8112.	c2h5coc3h6o2-1+ho2=c6h11oCqF+o2	2.29E+11	0.0	-1790.0
8113.	nc3h7coc2h4p=c3h7co+c2h4	1.55E+17	-1.5	27840.0
8114.	nc3h7coc2h4p+o2=nc3h7coc2h4o2	9.00E+18	-2.5	0.0
8115.	nc3h7coc2h4o2+ho2=c6h11oCqA+o2	2.29E+11	0.0	-1790.0
8116.	nc4h9coc2h4p=nc4h9co+c2h4	1.55E+17	-1.5	27840.0
8117.	nc4h9coc2h4p+o2=nc4h9coc2h4o2	9.00E+18	-2.5	0.0
8118.	nc4h9coc2h4o2+ho2=c7h13oCqA+o2	2.29E+11	0.0	-1790.0
8119.	nc5h11coc2h4p=c5h11co+c2h4	1.55E+17	-1.5	27840.0
8120.	nc5h11coc2h4p+o2=nc5h11coc2h4o2	9.00E+18	-2.5	0.0
8121.	nc5h11coc2h4o2+ho2=nc5h11coc2h4o2h+o2	2.29E+11	0.0	-1790.0
8122.	nc5h11coc2h4o2h=nc5h11coc2h4o+oh	1.50E+16	0.0	42500.0
8123.	ch2o+nc5h11coch2=nc5h11coc2h4o	1.50E+11	0.0	11900.0
8124.	nc6h13coc2h4p=c6h13co+c2h4	1.55E+17	-1.5	27840.0
8125.	nc6h13coc2h4p+o2=nc6h13coc2h4o2	9.00E+18	-2.5	0.0
8126.	nc6h13coc2h4o2+ho2=nc6h13coc2h4o2h+o2	2.29E+11	0.0	-1790.0
8127.	nc6h13coc2h4o2h=nc6h13coc2h4o+oh	1.50E+16	0.0	42500.0
8128.	ch2o+nc6h13coch2=nc6h13coc2h4o	1.50E+11	0.0	11900.0
8129.	nc3h7coc3h6-1=nc3h7coch2+c2h4	2.00E+13	0.0	27000.0
8130.	nc3h7coc3h6-1+o2=nc3h7coc3h6o2-1	9.00E+18	-2.5	0.0
8131.	nc3h7coc3h6o2-1+ho2=c7h13oDqA+o2	2.29E+11	0.0	-1790.0
8132.	c2h4+nc4h9coch2=nc4h9coc3h6-1	1.32E+04	2.5	6130.0
8133.	nc4h9coc3h6-1+o2=nc4h9coc3h6o2-1	9.00E+18	-2.5	0.0
8134.	nc4h9coc3h6o2-1+ho2=nc4h9coc3h6o2h-1+o2	2.29E+11	0.0	-1790.0
8135.	nc4h9coc3h6o2h-1=nc4h9coc3h6o-1+oh	1.50E+16	0.0	42500.0
8136.	ch2o+nc4h9coc2h4p=nc4h9coc3h6o-1	1.50E+11	0.0	11900.0
8137.	c2h4+nc5h11coch2=nc5h11coc3h6-1	1.32E+04	2.5	6130.0
8138.	nc5h11coc3h6-1+o2=nc5h11coc3h6o2-1	9.00E+18	-2.5	0.0
8139.	nc5h11coc3h6o2-1+ho2=npecoc3h6o2h-1+o2	2.29E+11	0.0	-1790.0
8140.	npecoc3h6o2h-1=nc5h11coc3h6o-1+oh	1.50E+16	0.0	42500.0
8141.	ch2o+nc5h11coc2h4p=nc5h11coc3h6o-1	1.50E+11	0.0	11900.0
8142.	ch3coc5h9-1+oh=ch2coc5h9-1+h2o	5.10E+11	0.0	1192.0
8143.	ch3coc5h9-1+ho2=ch2coc5h9-1+h2o2	2.38E+04	2.5	14690.0
8144.	ch3coc5h9-1+h=ch2coc5h9-1+h2	9.30E+12	0.0	6357.0
8145.	ch3coc5h9-1+oh=ch3coc5h8-15+h2o	8.45E+11	0.0	-228.0
8146.	ch3coc5h9-1+ho2=ch3coc5h8-15+h2o2	2.00E+11	0.0	8698.0
8147.	ch3coc5h9-1+h=ch3coc5h8-15+h2	4.46E+06	2.0	3200.0
8148.	ch3coc5h9-1+oh=ch3coc5h8-13+h2o	4.19E+06	2.0	-543.0
8149.	ch3coc5h9-1+ho2=ch3coc5h8-13+h2o2	1.00E+11	0.0	17060.0
8150.	ch3coc5h9-1+h=ch3coc5h8-13+h2	6.55E+12	0.0	4445.0
8151.	ch2co+Ec5h9-1=ch2coc5h9-1	3.33E+10	0.0	6397.0
8152.	mvk+ac3h5=ch3coc5h8-15	8.80E+03	2.5	6130.0
8153.	c4h6+ch2coch3=ch3coc5h8-13	1.32E+04	2.5	6130.0
8154.	c2h5coc5h9-1+oh=sc2h4coc5h9-1+h2o	8.45E+11	0.0	-228.0
8155.	c2h5coc5h9-1+ho2=sc2h4coc5h9-1+h2o2	2.00E+11	0.0	8698.0
8156.	c2h5coc5h9-1+h=sc2h4coc5h9-1+h2	4.46E+06	2.0	3200.0
8157.	c2h5coc5h9-1+oh=c2h5coc5h8-15+h2o	8.45E+11	0.0	-228.0
8158.	c2h5coc5h9-1+ho2=c2h5coc5h8-15+h2o2	2.00E+11	0.0	8698.0
8159.	c2h5coc5h9-1+h=c2h5coc5h8-15+h2	4.46E+06	2.0	3200.0
8160.	c2h5coc5h9-1+oh=c2h5coc5h8-13+h2o	4.19E+06	2.0	-543.0
8161.	c2h5coc5h9-1+ho2=c2h5coc5h8-13+h2o2	1.00E+11	0.0	17060.0
8162.	c2h5coc5h9-1+h=c2h5coc5h8-13+h2	6.55E+12	0.0	4445.0
8163.	ch3chco+Ec5h9-1=sc2h4coc5h9-1	3.33E+10	0.0	6397.0
8164.	c2h5coc2h3+ac3h5=c2h5coc5h8-15	8.80E+03	2.5	6130.0
8165.	c4h6+c2h5coch2=c2h5coc5h8-13	1.32E+04	2.5	6130.0
8166.	c2h3coc3h7+oh=c2h3coc3h6-3+h2o	8.45E+11	0.0	-228.0
8167.	c2h3coc3h7+ho2=c2h3coc3h6-3+h2o2	2.00E+11	0.0	8698.0

8168.	c2h3coc3h7+h=c2h3coc3h6-3+h2	4.46E+06	2.0	3200.0
8169.	c2h3coc3h7+oh=c2h3coc3h6-2+h2o	3.16E+07	1.6	-247.0
8170.	c2h3coc3h7+ho2=c2h3coc3h6-2+h2o2	5.60E+12	0.0	17700.0
8171.	c2h3coc3h7+h=c2h3coc3h6-2+h2	1.30E+06	2.4	4471.0
8172.	divinket+ch3=c2h3coc3h6-3	1.32E+04	2.5	6130.0
8173.	c3h6+c2h3co=c2h3coc3h6-2	1.00E+11	0.0	7800.0
8174.	c2h3coc4h9+oh=c2h3coc4h8-4+h2o	8.45E+11	0.0	-228.0
8175.	c2h3coc4h9+ho2=c2h3coc4h8-4+h2o2	2.00E+11	0.0	8698.0
8176.	c2h3coc4h9+h=c2h3coc4h8-4+h2	4.46E+06	2.0	3200.0
8177.	c2h3coc4h9+oh=c2h3coc4h8-3+h2o	3.16E+07	1.6	-247.0
8178.	c2h3coc4h9+ho2=c2h3coc4h8-3+h2o2	5.60E+12	0.0	17700.0
8179.	c2h3coc4h9+h=c2h3coc4h8-3+h2	1.30E+06	2.4	4471.0
8180.	divinket+c2h5=c2h3coc4h8-4	1.32E+04	2.5	6130.0
8181.	c4h8+c2h3co=c2h3coc4h8-3	1.00E+11	0.0	7800.0
8182.	c2h3coc5h11+oh=c2h3coc5h10-5+h2o	8.45E+11	0.0	-228.0
8183.	c2h3coc5h11+ho2=c2h3coc5h10-5+h2o2	2.00E+11	0.0	8698.0
8184.	c2h3coc5h11+h=c2h3coc5h10-5+h2	4.46E+06	2.0	3200.0
8185.	c2h3coc5h11+oh=c2h3coc5h10-4+h2o	3.16E+07	1.6	-247.0
8186.	c2h3coc5h11+ho2=c2h3coc5h10-4+h2o2	5.60E+12	0.0	17700.0
8187.	c2h3coc5h11+h=c2h3coc5h10-4+h2	1.30E+06	2.4	4471.0
8188.	divinket+nc3h7=c2h3coc5h10-5	1.32E+04	2.5	6130.0
8189.	c5h10+c2h3co=c2h3coc5h10-4	1.00E+11	0.0	7800.0
8190.	c2h3coc6h13+oh=c2h3coc6h12-6+h2o	8.45E+11	0.0	-228.0
8191.	c2h3coc6h13+ho2=c2h3coc6h12-6+h2o2	2.00E+11	0.0	8698.0
8192.	c2h3coc6h13+h=c2h3coc6h12-6+h2	4.46E+06	2.0	3200.0
8193.	c2h3coc6h13+oh=c2h3coc6h12-5+h2o	3.16E+07	1.6	-247.0
8194.	c2h3coc6h13+ho2=c2h3coc6h12-5+h2o2	5.60E+12	0.0	17700.0
8195.	c2h3coc6h13+h=c2h3coc6h12-5+h2	1.30E+06	2.4	4471.0
8196.	divinket+pc4h9=c2h3coc6h12-6	1.32E+04	2.5	6130.0
8197.	c6h12-1+c2h3co=c2h3coc6h12-5	1.00E+11	0.0	7800.0
8198.	ch3chco+oh=c2h5+co2	1.73E+12	0.0	-1010.0
8199.	ch3chco+oh=ch3choh+co	2.00E+12	0.0	-1010.0
8200.	ch3chco+h=c2h5+co	4.40E+12	0.0	1459.0
8201.	ch3chco+o=ch3hco+co	3.20E+12	0.0	-437.0
8202.	hoco+m=co2+h+m	1.49E+14	0.1	36463.0
8203.	c10h21qA+phch2=c10h21qjA+toluen	1.05E+11	0.0	9500.0
8204.	c10h21qB+phch2=c10h21qjB+toluen	1.05E+11	0.0	9500.0
8205.	c10h21qC+phch2=c10h21qjC+toluen	1.05E+11	0.0	9500.0
8206.	c10h21qD+phch2=c10h21qjD+toluen	1.05E+11	0.0	9500.0
8207.	c10h21qE+phch2=c10h21qjE+toluen	1.05E+11	0.0	9500.0
8208.	c6e5oAo4+oh=c6e5oyAo4+h2o	2.30E+10	0.7	-1100.0
8209.	c6e5oAo4+h=c6e5oyAo4+h2	4.10E+09	1.2	2405.0
8210.	c6e5oAo4+ho2=c6e5oyAo4+h2o2	3.00E+12	0.0	12000.0
8211.	c6e5oAo4+ch3=c6e5oyAo4+ch4	7.60E+00	3.4	3740.0
8212.	c6e5oAo4+o2=c6e5oyAo4+ho2	3.00E+13	0.0	39200.0
8213.	c6e5oyAo4=c2h3coc2h4+co	2.00E+13	0.0	28700.0
8214.	c6e5oyAo4+ho2=>c2h3coc2h4+co2+oh	2.00E+13	0.0	0.0
8215.	MeEc8oDoIrA=pchoEojI	1.00E+08	0.9	5900.0
8216.	c2h4+MeCc6oBoGrA=MeEc8oDoIrA	3.30E+11	0.0	7200.0
8217.	ch2co+Bc5oA=MeCc6oBoGrA	2.11E+11	0.0	7350.0

NOTE: A units mole-cm-sec-K, E units cal/mole

NO ERRORS FOUND ON INPUT...CHEMKIN LINKING FILE WRITTEN.

WORKING SPACE REQUIREMENTS ARE

INTEGER: 166697

REAL: 131966

CHARACTER: 2190

THERMO

300.000 1000.000 5000.000

! Base C0

h2		h	2o	0c	00	OG	300.00	5000.00	1000.00	1
	0.29914200E+01	0.70006000E-03	-0.56340000E-07	-0.92300000E-11	0.15800000E-14					2
	-0.83500000E+03	-0.13550000E+01	0.32981200E+01	0.82494000E-03	-0.81430000E-06					3
	-0.94750000E-10	0.41349000E-12	-0.10125000E+04	-0.32940000E+01						4
o2	REF ELEMENT	RUS	89o	20	00	OG	200.000	6000.00	1000.0	1
	3.66096083E+00	6.56365523E-04	-1.41149485E-07	2.05797658E-11	-1.29913248E-15					2
	-1.21597725E+03	3.41536184E+00	3.78245636E+00	-2.99673415E-03	9.84730200E-06					3
	-9.68129508E-09	3.24372836E-12	-1.06394356E+03	3.65767573E+00	0.00000000E+00					4
h		h	1o	0c	0	OG	300.00	5000.00	1000.00	1
	0.25000000E+01	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00					2
	0.25471600E+05	-0.46000000E+00	0.25000000E+01	0.00000000E+00	0.00000000E+00					3
	0.00000000E+00	0.00000000E+00	0.25471600E+05	-0.46000000E+00						4
o		o	1h	0c	00	OG	300.00	5000.00	1000.00	1
	0.25420600E+01	-0.27550000E-04	-0.31000000E-08	0.45500000E-11	-0.44000000E-15					2
	0.29230800E+05	0.49200000E+01	0.29464300E+01	-0.16381700E-02	0.24210300E-05					3
	-0.16028400E-08	0.38907000E-12	0.29147600E+05	0.29640000E+01						4
oh		h	1o	10	00	OG	200.00	6000.00	1000.00	1
	2.83853033E+00	1.10741289E-03	-2.94000209E-07	4.20698729E-11	-2.42289890E-15					2
	3.69780808E+03	5.84494652E+00	3.99198424E+00	-2.40106655E-03	4.61664033E-06					3
	-3.87916306E-09	1.36319502E-12	3.36889836E+03	-1.03998477E-01	4.48613328E+03					4
ho2		h	1o	20	00	OG	300.00	5000.00	1000.00	1
	0.40721900E+01	0.21313000E-02	-0.53081000E-06	0.61120000E-10	-0.28400000E-14					2
	-0.15800000E+03	0.34760000E+01	0.29799600E+01	0.49967000E-02	-0.37910000E-05					3
	0.23541900E-08	-0.80890000E-12	0.17620000E+03	0.92230000E+01						4
h2o		h	2o	10	00	OG	300.00	5000.00	1000.00	1
	0.26721500E+01	0.30562900E-02	-0.87303000E-06	0.12010000E-09	-0.63900000E-14					2
	-0.29899200E+05	0.68630000E+01	0.33868400E+01	0.34749800E-02	-0.63547000E-05					3
	0.69685800E-08	-0.25065900E-11	-0.30208100E+05	0.25900000E+01						4
h2o2		h	2o	20	00	OG	300.00	5000.00	1000.00	1
	0.45731700E+01	0.43361400E-02	-0.14746900E-05	0.23489000E-09	-0.14320000E-13					2
	-0.18007000E+05	0.50100000E+00	0.33887500E+01	0.65692300E-02	-0.14850000E-06					3
	-0.46258100E-08	0.24715100E-11	-0.17663100E+05	0.67850000E+01						4
n2		n	2o	0c	00	OG	300.00	5000.00	1000.00	1
	0.29266400E+01	0.14879800E-02	-0.56848000E-06	0.10097000E-09	-0.67500000E-14					2
	-0.92280000E+03	0.59810000E+01	0.32986800E+01	0.14082400E-02	-0.39632200E-05					3
	0.56415100E-08	-0.24448500E-11	-0.10209000E+04	0.39500000E+01						4
ar		ar	10	00	00	OG	300.00	5000.00	1000.00	1
	0.25000000E+01	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00					2
	-0.74540000E+03	0.43660000E+01	0.25000000E+01	0.00000000E+00	0.00000000E+00					3
	0.00000000E+00	0.00000000E+00	-0.74540000E+03	0.43660000E+01						4

! Base C1

co		c	1o	10	00	OG	300.00	5000.00	1000.00	1
	0.30250800E+01	0.14426900E-02	-0.56308000E-06	0.10186000E-09	-0.69100000E-14					2
	-0.14268300E+05	0.61080000E+01	0.32624500E+01	0.15119400E-02	-0.38817500E-05					3
	0.55819400E-08	-0.24749500E-11	-0.14310500E+05	0.48490000E+01						4
co2		c	1o	20	00	OG	300.00	5000.00	1000.00	1
	0.44536200E+01	0.31401700E-02	-0.12784100E-05	0.23940000E-09	-0.16690000E-13					2
	-0.48967000E+05	-0.95500000E+00	0.22757200E+01	0.99220700E-02	-0.10409110E-04					3
	0.68666900E-08	-0.21172800E-11	-0.48373100E+05	0.10188000E+02						4
ch4		c	1h	40	00	OG	300.00	5000.00	1000.00	1
	0.16834800E+01	0.10237240E-01	-0.38751300E-05	0.67856000E-09	-0.45030000E-13					2

-0.10080800E+05	0.96230000E+01	0.77874000E+00	0.17476680E-01	-0.27834090E-04	3					
0.30497080E-07	-0.12239310E-10	-0.98252000E+04	0.13722000E+02		4					
ch3	c	1h	30	00	0G	300.00	5000.00	1000.00	1	
0.28440500E+01	0.61379700E-02	-0.22303500E-05	0.37852000E-09	-0.24520000E-13	2					
0.16437800E+05	0.54530000E+01	0.24304400E+01	0.11124100E-01	-0.16802200E-04	3					
0.16218290E-07	-0.58649500E-11	0.16423800E+05	0.67900000E+01		4					
ch2	c	1h	20	00	0G	300.00	5000.00	1000.00	1	
0.36364100E+01	0.19330600E-02	-0.16870000E-06	-0.10099000E-09	0.18080000E-13	2					
0.45341300E+05	0.21565600E+01	0.37622400E+01	0.11598200E-02	0.24896000E-06	3					
0.88008000E-09	-0.73324000E-12	0.45367900E+05	0.17125800E+01		4					
sch2	c	1h	20	00	0G	300.00	4000.00	1000.00	1	
0.35528886E+01	0.20667883E-02	-0.19141160E-06	-0.11046734E-09	0.20213496E-13	2					
0.49849754E+05	0.16865700E+01	0.39712651E+01	-0.16990888E-03	0.10253689E-05	3					
0.24925508E-08	-0.19812663E-11	0.49893676E+05	0.57532072E-01		4					
ch	c	1h	10	00	0G	300.00	5000.00	1000.00	1	
0.21962200E+01	0.23403800E-02	-0.70582000E-06	0.90080000E-10	-0.38600000E-14	2					
0.70867200E+05	0.91780000E+01	0.32002000E+01	0.20728800E-02	-0.51344300E-05	3					
0.57338900E-08	-0.19555300E-11	0.70452600E+05	0.33320000E+01		4					
C	c	10	00	00	0G	300.00	5000.00	1000.00	1	
0.26020990E+01	-0.17871001E-03	0.90870009E-07	-0.11500002E-10	0.33000006E-15	2					
0.85421500E+05	0.41950000E+01	0.24998580E+01	0.80860004E-04	-0.26977003E-06	3					
0.30407004E-09	-0.11066002E-12	0.85458800E+05	0.47530000E+01		4					
ch3oh	c	1h	4o	10	0G	300.00	5000.00	1000.00	1	
0.40290600E+01	0.93765900E-02	-0.30502500E-05	0.43588000E-09	-0.22250000E-13	2					
-0.26157900E+05	0.23780000E+01	0.26601200E+01	0.73415100E-02	0.71700500E-05	3					
-0.87931900E-08	0.23905700E-11	-0.25353500E+05	0.11233000E+02		4					
ch3o	c	1h	3o	10	0G	300.00	5000.00	1000.00	1	
0.37708000E+01	0.78715000E-02	-0.26563800E-05	0.39444000E-09	-0.21130000E-13	2					
0.12780000E+03	0.29300000E+01	0.21062000E+01	0.72166000E-02	0.53384700E-05	3					
-0.73776400E-08	0.20756100E-11	0.97860000E+03	0.13152000E+02		4					
ch2oh	7/29/ 8	LECoNc	1h	3o	1	0G	300.000	5000.000	1394.000	01
5.87492023E+00	4.90306661E-03	-1.63365829E-06	2.69287253E-10	-1.67785355E-14	2					
-4.53368423E+03	-6.40569428E+00	2.61996500E+00	1.26872510E-02	-8.90436910E-06	3					
3.42665195E-09	-5.51810469E-13	-3.41179550E+03	1.10272906E+01		4					
ch2o	c	1h	2o	10	0G	300.00	5000.00	1000.00	1	
0.29956100E+01	0.66813200E-02	-0.26289500E-05	0.47372000E-09	-0.32130000E-13	2					
-0.15320400E+05	0.69130000E+01	0.16527300E+01	0.12631440E-01	-0.18881680E-04	3					
0.20500310E-07	-0.84132400E-11	-0.14865400E+05	0.13785000E+02		4					
hco	c	1h	1o	10	0G	300.00	5000.00	1000.00	1	
0.35572700E+01	0.33455700E-02	-0.13350100E-05	0.24706000E-09	-0.17140000E-13	2					
0.39163000E+04	0.55520000E+01	0.28983300E+01	0.61991500E-02	-0.96230800E-05	3					
0.10898250E-07	-0.45748900E-11	0.41599000E+04	0.89840000E+01		4					
ch3o2	c	1h	3o	20	0G	300.00	5000.00	1000.00	1	
0.80089150E+01	0.54692410E-02	-0.12433920E-05	0.14918130E-09	-0.76185330E-14	2					
-0.11378690E+04	-0.16874040E+02	0.17353390E+01	0.22200340E-01	-0.18841460E-04	3					
0.95013140E-08	-0.22172690E-11	0.74007890E+03	0.15965260E+02		4					
ch3o2h	c	1h	4o	20	0G	300.00	5000.00	1000.00	1	
0.73164230E+01	0.92366200E-02	-0.30210870E-05	0.46897720E-09	-0.28359530E-13	2					
-0.18810540E+05	-0.11466670E+02	0.29100540E+01	0.19374380E-01	-0.10636570E-04	3					
0.23534770E-08	-0.33023910E-13	-0.17404750E+05	0.12014430E+02		4					
hco3	c	1h	1o	30	0G	300.00	5000.00	1000.00	1	
0.91176840E+01	0.27871830E-02	-0.52462370E-06	0.53504280E-10	-0.23907250E-14	2					
-0.43973150E+05	-0.19574780E+02	0.26673050E+01	0.21311320E-01	-0.20434550E-04	3					
0.98506450E-08	-0.19626470E-11	-0.42205430E+05	0.13638040E+02		4					
hco3h	c	1h	2o	30	0G	300.00	5000.00	1000.00	1	
0.85022780E+01	0.67543840E-02	-0.26766570E-05	0.49413330E-09	-0.34278630E-13	2					
-0.69682190E+05	-0.16151440E+02	0.41700850E+01	0.15797880E-01	-0.44609940E-05	3					
-0.66219210E-08	0.41548100E-11	-0.68335760E+05	0.69477160E+01		4					
ho2cho	6/26/95	thermc	1h	2o	3	0g	300.000	5000.000	1378.00	21
9.87503878e+00	4.64663708e-03	-1.67230522e-06	2.68624413e-10	-1.59595232e-14	2					
-3.80502496e+04	-2.24939155e+01	2.42464726e+00	2.19706380e-02	-1.68705546e-05	3					

6.25612194e-09-9.11645843e-13-3.54828006e+04	1.75027796e+01	4
o2cho 6/26/95 thermc 1h 1o 3 0g	300.000 5000.000 1368.00	11
7.24075139e+00 4.63312951e-03-1.63693995e-06	2.59706693e-10-1.52964699e-14	2
-1.87027618e+04-6.49547212e+00 3.96059309e+00	1.06002279e-02-5.25713351e-06	3
1.01716726e-09-2.87487602e-14-1.73599383e+04	1.17807483e+01	4
ocho 2/14/95 thermc 1h 1o 2 0g	300.000 5000.000 1690.00	01
6.12628782e+00 3.75602932e-03-1.42010352e-06	2.36429200e-10-1.44167651e-14	2
-2.17698466e+04-8.01574694e+00 1.35213452e+00	1.50082004e-02-1.09896141e-05	3
3.73679840e-09-4.81014498e-13-2.02253647e+04	1.74373147e+01	4
hoch2o 4/ 9/98 thermc 1h 3o 2 0g	300.000 5000.000 1452.000	11
6.39521515e+00 7.43673043e-03-2.50422354e-06	3.84879712e-10-2.21778689e-14	2
-2.25557758e+04-6.63865583e+00 4.11183145e+00	7.53850697e-03 3.77337370e-06	3
-5.38746005e-09 1.45615887e-12-2.12471918e+04	7.46807254e+00	4
hocho 4/ 9/98 thermc 1h 2o 2 0g	300.000 5000.000 1376.000	11
6.68733013e+00 5.14289368e-03-1.82238513e-06	2.89719163e-10-1.70892199e-14	2
-4.83995400e+04-1.13104798e+01 1.43548185e+00	1.63363016e-02-1.06257421e-05	3
3.32132977e-09-4.02176103e-13-4.64616504e+04	1.72885798e+01	4

! Base c2

c2h6 c 2h 60 00 0G	300.00 5000.00 1000.00	1
0.48259400E+01 0.13840430E-01-0.45572600E-05	0.67250000E-09-0.35980000E-13	2
-0.12717800E+05-0.52400000E+01 0.14625400E+01	0.15494670E-01 0.57805100E-05	3
-0.12578320E-07 0.45862700E-11-0.11239200E+05	0.14432000E+02	4
c2h4 121286c 2h 4 g	0300.00 5000.00 1000.00	1
0.03528419e+02 0.01148518e+00-0.04418385e-04	0.07844601e-08-0.05266848e-12	2
0.04428289e+05 0.02230389e+02-0.08614880e+01	0.02796163e+00-0.03388677e-03	3
0.02785152e-06-0.09737879e-10 0.05573046e+05	0.02421149e+03	4
c2h5 12387c 2h 5 g	0300.00 5000.00 1000.00	1
0.07190480e+02 0.06484077e-01-0.06428065e-05	-0.02347879e-08 0.03880877e-12	2
0.01067455e+06-0.01478089e+03 0.02690702e+02	0.08719133e-01 0.04419839e-04	3
0.09338703e-08-0.03927773e-10 0.01287040e+06	0.01213820e+03	4
c2h3 c 2h 30 00 0G	300.00 5000.00 1000.00	1
0.36476530E+01 0.80337780E-02-0.27644990E-05	0.47530900E-09-0.31644080E-13	2
0.34468830E+05 0.47227800E+01 0.21388110E+01	0.87182220E-02 0.38589800E-05	3
-0.93659150E-08 0.40104980E-11 0.35079500E+05	0.13419180E+02	4
c2h2 c 2h 20 00 0G	300.00 5000.00 1000.00	1
0.44367700E+01 0.53760400E-02-0.19128200E-05	0.32864000E-09-0.21570000E-13	2
0.25667700E+05-0.28000000E+01 0.20135600E+01	0.15190450E-01-0.16163190E-04	3
0.90789900E-08-0.19127500E-11 0.26124400E+05	0.88050000E+01	4
c2h c 2h 10 00 0G	300.00 5000.00 1000.00	1
0.44276900E+01 0.22162700E-02-0.60490000E-06	0.98830000E-10-0.73500000E-14	2
0.65904100E+05-0.11990000E+01 0.30506700E+01	0.60516700E-02-0.49566300E-05	3
0.28041600E-08-0.81933000E-12 0.66300100E+05	0.59540000E+01	4
c2 c 20 00 00 0G	300.00 5000.00 1000.00	1
0.04135978E+02 0.06531618E-03 0.01837099E-05	-0.05295085E-09 0.04712137E-13	2
0.09967272E+06 0.07472923E+01 0.06996045E+02	-0.07400601E-01 0.03234703E-04	3
0.04802535E-07-0.03295917E-10 0.09897487E+06	-0.13862268E+02	4
c2o c 2o 10 00 0G	300.00 5000.00 1000.00	1
0.48498100E+01 0.29475900E-02-0.10907300E-05	0.17926000E-09-0.11160000E-13	2
0.32820600E+05-0.64500000E+00 0.33688500E+01	0.82418000E-02-0.87651500E-05	3
0.55692600E-08-0.15400100E-11 0.33170800E+05	0.67130000E+01	4
ch3hco c 2h 4o 10 0G	300.00 5000.00 1000.00	1
0.42557860E+01 0.13486030E-01-0.49183420E-05	0.82515040E-09-0.52694340E-13	2
-0.22167350E+05 0.29626580E+01 0.26969110E+01	0.12334280E-01 0.56746450E-05	3
-0.10870700E-07 0.37648250E-11-0.21403140E+05	0.12530480E+02	4
ch3co c 2h 3o 10 0G	300.00 5000.00 1000.00	1
0.51153110E+01 0.98613270E-02-0.39464200E-05	0.72974800E-09-0.50605210E-13	2
-0.35811130E+04-0.90078660E+00 0.63079430E+01	-0.12387940E-01 0.58094930E-04	3
-0.63043300E-07 0.22737730E-10-0.29439700E+04	-0.23500130E+01	4
ch3co3 12/ 1/99 thermc 2h 3o 3 0g	300.000 5000.000 1391.000	21

1.12522498E+01	8.33652672E-03	-2.89014530E-06	4.52781734E-10	-2.64354456E-14	2	
-2.60238584E+04	-2.96370457E+01	3.60373432E+00	2.70080341E-02	-2.08293438E-05	3	
8.50541104E-09	-1.43846110E-12	-2.34205171E+04	1.12014914E+01		4	
ch3co3h	12/ 1/99 thermc	2h 4o 3 0g	300.000	5000.000	1394.000	31
1.37322713E+01	8.48685152E-03	-2.97384001E-06	4.69349388E-10	-2.75478312E-14	2	
-4.41488006E+04	-4.40518223E+01	2.57730860E+00	3.61100344E-02	-2.93494631E-05	3	
1.19896814E-08	-1.96202348E-12	-4.04609764E+04	1.52535301E+01		4	
ch3co2	2/14/95 thermc	2h 3o 2 0g	300.000	5000.000	1395.000	11
8.54059736E+00	8.32951214E-03	-2.84722010E-06	4.41927196E-10	-2.56373394E-14	2	
-2.97290678E+04	-2.03883545E+01	1.37440768E+00	2.49115604E-02	-1.74308894E-05	3	
6.24799508E-09	-9.09516835E-13	-2.72330150E+04	1.81405454E+01		4	
ch2hco	c	2h 3o 10 0G	300.00	5000.00	1000.00	1
0.62296160E+01	0.82942530E-02	-0.30009110E-05	0.53016450E-09	-0.35879900E-13	2	
-0.95927900E+03	-0.66267480E+01	0.22223130E+01	0.18691380E-01	-0.11548250E-04	3	
0.18284110E-08	0.82339070E-12	0.20216150E+03	0.14283700E+02		4	
ch2co	c	2h 2o 10 0G	300.00	5000.00	1000.00	1
0.60388200E+01	0.58048400E-02	-0.19209500E-05	0.27945000E-09	-0.14590000E-13	2	
-0.85834000E+04	-0.76580000E+01	0.29749700E+01	0.12118710E-01	-0.23450500E-05	3	
-0.64666800E-08	0.39056500E-11	-0.76326000E+04	0.86740000E+01		4	
hcco	c	2h 1o 10 0G	300.00	5000.00	1000.00	1
0.67580700E+01	0.20004000E-02	-0.20276000E-06	-0.10411000E-09	0.19650000E-13	2	
0.19015100E+05	-0.90710000E+01	0.50479700E+01	0.44534800E-02	0.22683000E-06	3	
-0.14820900E-08	0.22507000E-12	0.19658900E+05	0.48200000E+00		4	
ch3co2	2/14/95 ThERMc	2h 3o 2 0G	300.000	5000.000	1395.000	11
8.54059736E+00	8.32951214E-03	-2.84722010E-06	4.41927196E-10	-2.56373394E-14	2	
-2.97290678E+04	-2.03883545E+01	1.37440768E+00	2.49115604E-02	-1.74308894E-05	3	
6.24799508E-09	-9.09516835E-13	-2.72330150E+04	1.81405454E+01		4	
c2h5oh	c	2h 6o 10 0G	300.00	5000.0	1000.00	1
0.65624365E+01	0.15204222E-01	-0.53896795E-05	0.86225011E-09	-0.51289787E-13	2	
-0.31525621E+05	-0.94730202E+01	0.48586957E+01	-0.37401726E-02	0.69555378E-04	3	
-0.88654796E-07	0.35168835E-10	-0.29996132E+05	0.48018545E+01		4	
c2h5o	mar96 c	2h 5o 1 G	0300.00	5000.00	1405.00	1
8.31182392e 00	1.03426319e-02	-3.39186089e-06	5.12212617e-10	-2.91601713e-14	2	
-6.13097954e 03	-2.13985581e 01	-2.71296378e-01	2.98839812e-02	-1.97090548e-05	3	
6.37339893e-09	-7.77965054e-13	-3.16397196e 03	2.47706003e 01		4	
ch3choh	mar96 c	2h 5o 1 0G	300.000	5000.000	1524.000	1
7.95432747e 00	1.05008170e-02	-3.50631590e-06	5.36174608e-10	-3.07978459e-14	2	
-8.62199768e 03	-1.90411129e 01	2.10026806e 00	1.92626679e-02	-5.17437436e-06	3	
-1.96190582e-09	9.36397060e-13	-6.12873036e 03	1.40909302e 01		4	
c2h5o2	7/27/98 thermc	2h 5o 2 0g	300.000	5000.000	1386.000	21
9.15255914E+00	1.24709284E-02	-4.27100650E-06	6.63470012E-10	-3.85024363E-14	2	
-7.82759319E+03	-1.99384891E+01	3.25121167E+00	2.36765869E-02	-1.18477606E-05	3	
2.79401564E-09	-2.41043601E-13	-5.44533068E+03	1.27953147E+01		4	
c2h5o2h	7/27/98 thermc	2h 6o 2 0g	300.000	5000.000	1389.000	31
1.15361794E+01	1.26680904E-02	-4.36302927E-06	6.80516196E-10	-3.96092541E-14	2	
-2.58990676E+04	-3.37584606E+01	2.55448138E+00	3.13447282E-02	-1.84312866E-05	3	
5.15917791E-09	-5.28572992E-13	-2.25353676E+04	1.53197322E+01		4	
c2h4o	c	2h 4o 10 0G	300.00	5000.00	1000.00	1
0.59249200E+01	0.11120710E-01	-0.37434100E-05	0.55414000E-09	-0.29550000E-13	2	
-0.93028000E+04	-0.93790000E+01	-0.24174000E+00	0.20761100E-01	0.21481200E-05	3	
-0.16948160E-07	0.81075800E-11	-0.71720000E+04	0.24432000E+02		4	
c2h4o2h	7/27/98 thermc	2h 5o 2 0g	300.000	5000.000	1388.000	31
1.11476965E+01	1.04949968E-02	-3.62326819E-06	5.66061229E-10	-3.29857328E-14	2	
-8.35606734E+02	-2.87480538E+01	3.40977031E+00	2.65939711E-02	-1.57408161E-05	3	
4.41132564E-09	-4.49209001E-13	2.05874655E+03	1.35264941E+01		4	
ho2c2h4o2	2/28/ 9 Shengc	2h 5o 4 0	300.000	5000.000	1389.000	71
1.78271039E+01	8.76828394E-03	-3.15540892E-06	5.06841213E-10	-3.01121708E-14	2	
-1.96919472E+04	-6.26509007E+01	5.81254906E-01	5.33651264E-02	-4.78856204E-05	3	
2.10690708E-08	-3.65784220E-12	-1.41852079E+04	2.83584867E+01		4	
ho2ch2cho	2/28/ 9 Shengc	2h 4o 3 0	300.000	5000.000	1518.000	71
1.55413835E+01	5.53187215E-03	-2.02058210E-06	3.27757160E-10	-1.96051476E-14	2	

-3.53011552E+04-5.19191139E+01 1.32104706E+00 3.95035509E-02-3.18807555E-05	3
1.16920644E-08-1.58142176E-12-3.06070328E+04 2.39043484E+01	4
ch2cho2h 2/28/ 9 Shengc 2h 4o 2 0 300.000 5000.000 1313.000	71
1.29997018E+01 7.04643154E-03-3.11537702E-06 5.71816837E-10-3.72252422E-14	2
-1.17951036E+04-4.35697054E+01-5.09003533E+00 5.33597546E-02-4.95761678E-05	3
2.21353583E-08-3.88417588E-12-5.92854672E+03 5.21431058E+01	4
c2h2oh c 2h 3N 0o 1G 300.00 5000.00 1000.00	1
0.47233350E+01 0.96207300E-02-0.36158930E-05 0.64574520E-09-0.43829560E-13	2
0.14488110E+05 0.29174630E+01 0.66247990E+01-0.92478740E-02 0.42942900E-04	3
-0.44577050E-07 0.15587310E-10 0.14680820E+05-0.34617090E+01	4
hccoh c 2h 2o 10 0G 300.00 4000.00 1000.00	1
7.32832432E+00 3.33641609E-03-3.02470511E-07-1.78110637E-10 3.24516787E-14	2
7.59825781E+03-1.40121403E+01 3.89946532E+00 9.70107503E-03-3.11930933E-07	3
-5.53773250E-09 2.46573248E-12 8.70119043E+03 4.49187470E+00	4
chocho c 2h 2o 20 0G 300.00 5000.00 1000.00	1
0.80213250E+01 0.75729310E-02-0.31166720E-05 0.58645500E-09-0.41132260E-13	2
-0.28750050E+05-0.16247820E+02 0.33600290E+01 0.12559770E-01 0.10569420E-04	3
-0.24503780E-07 0.11037460E-10-0.27087360E+05 0.97151500E+01	4
choco c 2h 1o 20 0G 300.00 5000.00 1000.00	1
0.83591970E+01 0.44947090E-02-0.19879570E-05 0.38903890E-09-0.27935380E-13	2
-0.12406730E+05-0.16767200E+02 0.76697390E+01-0.12908030E-01 0.59528090E-04	3
-0.69600430E-07 0.26537680E-10-0.11337010E+05-0.86714600E+01	4
c2h3o 7/29/ 8 LECoNc 2h 3o 1 0G 300.000 5000.000 1402.000	01
7.19614156E+00 6.91729576E-03-2.26751545E-06 3.41999671E-10-1.94428148E-14	2
4.43745124E+03-1.30382088E+01 1.92139180E+00 2.06514815E-02-1.62205965E-05	3
6.85662731E-09-1.18602910E-12 6.12320514E+03 1.47811148E+01	4
pc2h4oh 3/12/95 thermc 2h 5o 1 g 0300.00 5000.00 1391.00	1
7.52241939e+00 1.10492715e-02-3.72576465e-06 5.72827397e-10-3.30061759e-14	2
-7.29333590e+03-1.24958732e+01 1.17714711e+00 2.48115685e-02-1.50299503e-05	3
4.79006785e-09-6.40994211e-13-4.95369043e+03 2.20081586e+01	4
o2c2h4oh 2/14/95 thermc 2h 5o 3 0g 300.000 5000.000 1392.000	31
9.22339915e 00 1.41346358e-02-4.75283025e-06 7.28795964e-10-4.18969629e-14	2
-2.35984031e 04-1.53847386e 01 3.58811609e 00 2.99414161e-02-2.35156549e-05	3
1.12635525e-08-2.28663686e-12-2.17409435e 04 1.42166729e 01	4

! Base C3

c3h8 0c 3h 8 G 0300.00 5000.00 1000.00	1
.54638848E+01 .22160569E-01 -.77296281E-05 .12495476E-08 -.77377605E-13	2
-.15629374E+05 -.62309151E+01 -.31831896E+00 .34746405E-01 -.12885018E-04	3
-.35057037E-08 .30165358E-11 -.13851594E+05 .24514595E+02	4
nc3h7 7/29/ 8 LECoNc 3h 7 0 0G 300.000 5000.000 1392.000	01
9.56126849E+00 1.38734820E-02-4.60227199E-06 7.24548394E-10-4.30884189E-14	2
7.26509394E+03-2.65067472E+01-1.01686942E+00 3.94584104E-02-2.87426992E-05	3
1.12906302E-08-1.84330666E-12 1.08704508E+04 3.00269057E+01	4
ic3h7 7/29/ 8 LECoNc 3h 7 0 0G 300.000 5000.000 1672.000	01
6.92806640E+00 1.81150194E-02-6.36444997E-06 1.01089141E-09-5.97141538E-14	2
7.27878657E+03-1.22422027E+01 4.27330268E-01 2.77455867E-02-8.00320231E-06	3
-1.59250137E-09 8.55006422E-13 9.93578829E+03 2.44622019E+01	4
c3h6 7/29/ 8 LECoNc 3h 6 0 0G 300.000 5000.000 2011.000	01
7.37026919E+00 1.49257236E-02-5.19343204E-06 8.19736429E-10-4.82183580E-14	2
-1.37134802E+03-1.63663994E+01 1.74737267E-01 2.92385712E-02-1.43662857E-05	3
2.72840194E-09-4.90818547E-14 1.22586003E+03 2.29598443E+01	4
ac3h5 7/29/ 8 LECoNc 3h 5 0 0G 300.000 5000.000 1378.000	01
9.75762472E+00 1.00615154E-02-3.40608453E-06 5.25696641E-10-3.03917313E-14	2
1.48064656E+04-2.86136518E+01 9.73013817E-01 2.81818597E-02-1.62938809E-05	3
3.96194325E-09-2.25704537E-13 1.80449676E+04 1.93302063E+01	4
tc3h5 c 3h 5o 00 0G 300.00 4000.00 1000.00	1
0.09101018E+02 0.07964167E-01-0.07884945E-05-0.04562036E-08 0.08529212E-12	2
0.02670680E+06-0.02150559E+03 0.03385811E+02 0.14045337E-01 0.03204127E-04	3
-0.03824120E-07-0.09053742E-11 0.02909066E+06 0.11266487E+02	4

sc3h5	c	3h	50	00	OG	300.00	5000.00	1000.00	1
0.58477490E+01	0.13663110E-01	-0.49967060E-05	0.88456350E-09	-0.59866940E-13					2
0.28598090E+05	-0.57165180E+01	0.24096770E+01	0.15250660E-01	0.10397290E-04					3
-0.22191280E-07	0.94724950E-11	0.29973540E+05	0.14057150E+02						4
pc3h4	c	3h	40	00	OG	300.00	5000.00	1000.00	1
0.60892310E+01	0.11866400E-01	-0.46685320E-05	0.85588780E-09	-0.59055250E-13					2
0.19466620E+05	-0.93572010E+01	0.61101990E+01	-0.67416390E-02	0.53216180E-04					3
-0.60988720E-07	0.22487930E-10	0.20406530E+05	-0.48582320E+01						4
ac3h4	c	3h	40	00	OG	300.00	5000.00	1000.00	1
0.63218080E+01	0.11755130E-01	-0.46546710E-05	0.85713520E-09	-0.59327540E-13					2
0.19990410E+05	-0.11405800E+02	0.45453210E+01	0.45320690E-03	0.41642470E-04					3
-0.52550230E-07	0.20129320E-10	0.21299590E+05	0.17743890E+01						4
c3h3	c	3h	30	00	OG	300.00	5000.00	1000.00	1
0.73698450E+01	0.77854710E-02	-0.30216960E-05	0.55099410E-09	-0.37929260E-13					2
0.38891950E+05	-0.14110520E+02	0.56629250E+01	0.43052760E-02	0.18210260E-04					3
-0.25694770E-07	0.10163000E-10	0.39782900E+05	-0.32569600E+01						4
c3h2	c	3h	20	00	OG	300.00	5000.00	1000.00	1
0.06530853E+02	0.05870316E-01	-0.01720776E-04	0.02127498E-08	-0.08291910E-13					2
0.05115213E+06	-0.11227278E+02	0.02691077E+02	0.14803664E-01	-0.03250551E-04					3
-0.08644363E-07	0.05284877E-10	0.05219072E+06	0.08757391E+02						4
nc3h7o	4/ 7/97 ThERMc	3h	7o	1	OG	300.000	5000.000	1390.000	21
1.10130308E+01	1.58110271E-02	-5.38743215E-06	8.34264825E-10	-4.83147349E-14					2
-1.01528968E+04	-3.27511689E+01	2.89706514E-01	3.93075560E-02	-2.48069355E-05					3
8.07083573E-09	-1.07998290E-12	-6.24474269E+03	2.54387810E+01						4
nc3h7oh	c	3h	8o	1	G	0300.00	5000.00	1000.00	1
0.78695178E+01	0.22170236E-01	-0.76477927E-05	0.12332934E-08	-0.76598667E-13					2
-0.36669754E+05	-0.15247448E+02	0.13337798E+00	0.40273454E-01	-0.14728696E-04					3
-0.80114964E-08	0.58863921E-11	-0.34506324E+05	0.25219995E+02						4
nc3h7o2	c	3h	7o	2	G	0300.00	5000.00	1000.00	1
0.13502689E+02	0.13771964E-01	-0.35621306E-05	0.46638027E-09	-0.25058699E-13					2
-0.10900663E+05	-0.42337200E+02	0.34593359E+00	0.47804203E-01	-0.34433560E-04					3
0.11472139E-07	-0.10343456E-11	-0.70191328E+04	0.26533663E+02						4
nc3h7o2h	c	3h	8o	2	G	0300.00	5000.00	1000.00	1
0.11336926E+02	0.20394048E-01	-0.67093242E-05	0.10477861E-08	-0.63728191E-13					2
-0.30503672E+05	-0.29776390E+02	0.10277675E+01	0.49290877E-01	-0.32700023E-04					3
0.73782482E-08	0.10003533E-11	-0.27774795E+05	0.23159100E+02						4
ic3h7o	4/ 7/97 ThERMc	3h	7o	1	OG	300.000	5000.000	1395.000	21
1.14592753E+01	1.55902812E-02	-5.34443227E-06	8.30858106E-10	-4.82455289E-14					2
-1.24638531E+04	-3.62203624E+01	-1.00369576E-01	4.31118928E-02	-3.10631817E-05					3
1.20668364E-08	-1.97214967E-12	-8.44902998E+03	2.57650010E+01						4
ic3h7o2	c	3h	7o	2	G	0300.00	5000.00	1000.00	1
0.14202599E+02	0.13157809E-01	-0.33661620E-05	0.43802198E-09	-0.23482254E-13					2
-0.13916771E+05	-0.47463253E+02	-0.38399315E+00	0.53882204E-01	-0.45532583E-04					3
0.19618367E-07	-0.31824515E-11	-0.98001953E+04	0.28052458E+02						4
ic3h7o2h	7/19/ 0 ThERMc	3h	8o	2	OG	300.000	5000.000	1389.000	41
1.57046391E+01	1.65924516E-02	-5.77250934E-06	9.06453070E-10	-5.30084111E-14					2
-3.23268564E+04	-5.71735156E+01	5.19265570E-01	5.32111228E-02	-4.05156892E-05					3
1.63346713E-08	-2.73751233E-12	-2.71048486E+04	2.40815065E+01						4
c3h6ooh1-2	c	3h	7o	2	G	0300.00	5000.00	1000.00	1
0.13649559E+02	0.12750814E-01	-0.31189277E-05	0.39289025E-09	-0.20614268E-13					2
-0.48945811E+04	-0.39010017E+02	0.15149921E+01	0.48824649E-01	-0.45656896E-04					3
0.24564915E-07	-0.55713593E-11	-0.15504653E+04	0.23338097E+02						4
c3h6ooh1-3	c	3h	7o	2	G	0300.00	5000.00	1000.00	1
0.14188224E+02	0.12368476E-01	-0.30191270E-05	0.38157991E-09	-0.20166079E-13					2
-0.39905498E+04	-0.42191696E+02	0.64384925E+00	0.54055225E-01	-0.54415486E-04					3
0.31187664E-07	-0.75596803E-11	-0.35104904E+03	0.26997149E+02						4
c3h6ooh2-1	c	3h	7o	2	G	0300.00	5000.00	1000.00	1
0.14896511E+02	0.11743539E-01	-0.28182487E-05	0.35167325E-09	-0.18422740E-13					2
-0.73632920E+04	-0.46675972E+02	-0.70671819E-01	0.60035869E-01	-0.65301727E-04					3
0.39138424E-07	-0.96432836E-11	-0.34861638E+04	0.29140375E+02						4
c3h6ooh1-1	c	3h	7o	2	G	0300.00	5000.00	1000.00	1



0.13773190E+02	0.12478714E-01	-0.30193419E-05	0.37854145E-09	-0.19864939E-13	2					
-0.67642393E+04	-0.39605103E+02	0.39244589E+00	0.56736656E-01	-0.63722880E-04	3					
0.41441332E-07	-0.11236257E-10	-0.33003713E+04	0.28036133E+02		4					
c3h6ooh1-2o2	c	3h	7o	4	G	0300.00	5000.00	1000.00	1	
0.18916473E+02	0.12912722E-01	-0.31142890E-05	0.38873985E-09	-0.20298040E-13	2					
-0.25199982E+05	-0.64061310E+02	0.14959549E+01	0.63019961E-01	-0.55043904E-04	3					
0.22621872E-07	-0.30201917E-11	-0.20481516E+05	0.25471867E+02		4					
c3h6ooh1-3o2	c	3h	7o	4	G	0300.00	5000.00	1000.00	1	
0.18175089E+02	0.13586381E-01	-0.33381091E-05	0.42327411E-09	-0.22383283E-13	2					
-0.22435437E+05	-0.58695740E+02	0.22698126E+01	0.56646202E-01	-0.43273030E-04	3					
0.13861366E-07	-0.67737602E-12	-0.17976955E+05	0.23766033E+02		4					
c3h6ooh2-1o2	c	3h	7o	4	G	0300.00	5000.00	1000.00	1	
0.18915003E+02	0.12915267E-01	-0.31156469E-05	0.38901213E-09	-0.20316124E-13	2					
-0.25199189E+05	-0.64053436E+02	0.13388267E+01	0.64106293E-01	-0.57643643E-04	3					
0.25205956E-07	-0.39308422E-11	-0.20464656E+05	0.26136774E+02		4					
c3h6ooh1-1o2	c	3h	7o	4	G	0300.00	5000.00	1000.00	1	
0.18411318E+02	0.12571108E-01	-0.29156811E-05	0.35375863E-09	-0.18130491E-13	2					
-0.26609484E+05	-0.62735687E+02	0.91786242E+00	0.56343596E-01	-0.30807794E-04	3					
-0.52401790E-08	0.72193970E-11	-0.21753922E+05	0.28333649E+02		4					
c3ket12	7/19/ 0	ThERMc	3h	6o	3	OG	300.000	5000.000	1388.000	41
1.70756225E+01	1.31013491E-02	-4.61949408E-06	7.31991329E-10	-4.30788679E-14	2					
-4.17008637E+04	-5.95778952E+01	1.10507238E+00	5.27396706E-02	-4.31805774E-05	3					
1.81618292E-08	-3.10535568E-12	-3.63627536E+04	2.54111636E+01		4					
c3ket13	7/19/ 0	ThERMc	3h	6o	3	OG	300.000	5000.000	1379.000	41
1.58927479E+01	1.40990923E-02	-4.96118851E-06	7.84992198E-10	-4.61488928E-14	2					
-3.93774829E+04	-5.26049341E+01	3.55241022E+00	4.18720270E-02	-2.94550370E-05	3					
1.09982900E-08	-1.75045977E-12	-3.48902671E+04	1.42082894E+01		4					
c3ket21	7/19/ 0	ThERMc	3h	6o	3	OG	300.000	5000.000	1371.000	41
1.56377776E+01	1.44059342E-02	-5.08808082E-06	8.07076119E-10	-4.75295650E-14	2					
-4.30657975E+04	-5.13105869E+01	4.55686367E+00	3.57076837E-02	-1.94712054E-05	3					
4.70695431E-09	-3.69753807E-13	-3.86710975E+04	9.97761694E+00		4					
c3h6o	c	3h	6o	1	G	0300.00	5000.00	1000.00	1	
0.71031427E+01	0.18753586E-01	-0.67436472E-05	0.11200114E-08	-0.71012281E-13	2					
-0.15019154E+05	-0.13339043E+02	0.74423306E-01	0.35190679E-01	-0.25911300E-04	3					
0.17298602E-07	-0.65269183E-11	-0.12573230E+05	0.24581474E+02		4					
c3h6o1-3	1/22/95	ThERMc	3h	6o	1	OG	300.000	5000.000	2035.000	41
1.02363953E+01	1.50514705E-02	-5.63636534E-06	9.32463455E-10	-5.66102441E-14	2					
-1.46212029E+04	-3.36724732E+01	-2.75717996E+00	4.26371602E-02	-2.56831231E-05	3					
6.62981208E-09	-5.31193325E-13	-1.00990375E+04	3.67181804E+01		4					
c3h5o	c	3h	5o	10	OG	300.00	5000.00	1000.00	1	
0.69495180E+01	0.16078900E-01	-0.59846810E-05	0.10683520E-08	-0.72629020E-13	2					
0.77492990E+04	-0.94650390E+01	0.30699180E+01	0.15521440E-01	0.18818300E-04	3					
-0.33019540E-07	0.13649340E-10	0.94175490E+04	0.13422390E+02		4					
c3h4oh	7/29/ 8	LECoNc	3h	5o	1	OG	300.000	5000.000	1412.000	21
3.45190356E+01	-1.01781489E-02	5.02260522E-06	-9.24128411E-10	5.13679402E-14	2					
-8.26014425E+03	-1.67166292E+02	-5.15428271E+01	2.82867045E-01	-3.72574445E-04	3					
2.12594647E-07	-4.42197574E-11	1.29747235E+04	2.63287027E+02		4					
c3h4o2h	3/ 8/ 7	ThERMc	3h	5o	2	OG	300.000	5000.000	1383.000	21
1.28560256E+01	1.21730433E-02	-4.23707918E-06	6.65544920E-10	-3.89278703E-14	2					
1.57255303E+04	-3.75208282E+01	3.91090755E+00	3.11536975E-02	-1.94249346E-05	3					
6.18343396E-09	-8.18424355E-13	1.90786161E+04	1.12924619E+01		4					
c3h4o	7/29/ 8	LECoNc	3h	4o	1	OG	300.000	5000.000	1390.000	01
1.00706541E+01	9.62546535E-03	-3.22060854E-06	4.93284520E-10	-2.83701133E-14	2					
-1.27635114E+04	-2.89037669E+01	5.23552792E-01	3.16317891E-02	-2.20953153E-05	3					
7.61912822E-09	-1.02252256E-12	-9.47399642E+03	2.23829839E+01		4					
c3h3o	c	3h	3o	10	OG	300.00	5000.00	1000.00	1	
0.13887620E+02	0.29359820E-01	-0.10987710E-04	0.19709660E-08	-0.13450330E-12	2					
0.12987410E+05	-0.42751150E+02	-0.59639260E+00	0.62097700E-01	-0.26277400E-04	3					
-0.10464540E-07	0.93368350E-11	0.17413660E+05	0.33985150E+02		4					
c3h5o2h	c	3h	6o	2	G	0300.00	5000.00	1000.00	1	
0.10591680E+02	0.16171450E-01	-0.52988012E-05	0.82363749E-09	-0.49852836E-13	2					

-0.11490892E+05-0.24723507E+02 0.93321240E+00	0.43424893E-01-0.30121077E-04	3
0.71619630E-08 0.82890433E-12-0.89453877E+04	0.24820049E+02	4
c3h5elq2 c 3h 6o 2 G	0300.00 5000.00 1000.00	1
0.10909508E+02 0.16794676E-01-0.57275392E-05	0.91581626E-09-0.56526222E-13	2
-0.12332066E+05-0.27471462E+02 0.51672029E+00	0.51106941E-01-0.47172194E-04	3
0.22034492E-07-0.36731447E-11-0.98368721E+04	0.24594032E+02	4
c3h5oq c 3h 6o 3 G	0300.00 5000.00 1000.00	1
0.16870092E+02 0.68185821E-01-0.24252884E-04	0.39975974E-08-0.25215041E-12	2
-0.39237465E+05-0.53114212E+02-0.18994358E+00	0.10673244E+00-0.35085766E-04	3
-0.21366752E-07 0.14464667E-10-0.34442055E+05	0.36377739E+02	4
ethco 0c 3h 6o 1 G	0300.00 5000.00 1000.00	1
.70107722E+01 .18013448E-01 -.62295217E-05	.10005839E-08 -.61661722E-13	2
-.25691457E+05 -.95488281E+01 .28277023E+01	.25430365E-01 -.61913220E-05	3
-.50245177E-08 .26785609E-11 -.24271348E+05	.13234089E+02	4
c2h5co 6/26/95 thermc 3h 5o 1 Og	300.000 5000.000 1373.000	21
9.87881997e+00 1.17515676e-02-4.00614923e-06	6.20850617e-10-3.59835225e-14	2
-8.47292283e+03-2.49235196e+01 2.93313946e+00	2.47427911e-02-1.21222003e-05	3
2.34701048e-09-5.26843338e-14-5.69663063e+03	1.35958355e+01	4
c2h5co3 c 3h 5o 3 G	0300.00 5000.00 1000.00	1
-0.84316063E+01 0.47750685E-01-0.20184867E-04	0.37543364E-08-0.25770339E-12	2
-0.22789600E+05 0.82914917E+02-0.22556863E+01	0.57826187E-01-0.52041793E-04	3
0.20459542E-07-0.14303576E-11-0.27326064E+05	0.40830891E+02	4
c2h5co3h c 3h 6o 3 G	0300.00 5000.00 1000.00	1
-0.11056312E+02 0.56293424E-01-0.25608328E-04	0.50172533E-08-0.35755098E-12	2
-0.39727973E+05 0.98463287E+02-0.10344489E+01	0.54687813E-01-0.43102813E-04	3
0.12590641E-07 0.10060073E-11-0.45281594E+05	0.36722210E+02	4
c2h5co2 c 3h 5o 2 G	0300.00 5000.00 1000.00	1
-0.76761365E+01 0.42290393E-01-0.17517008E-04	0.32117369E-08-0.21821233E-12	2
-0.23297082E+05 0.74442062E+02-0.58656538E+00	0.45167688E-01-0.36217069E-04	3
0.10748638E-07 0.91656739E-12-0.27703131E+05	0.29145782E+02	4
acetone BURCAT 0c 3h 6o 1 G	0200.00 6000.00 1000.00	1
7.29796974E+00 1.75656913E-02-6.31678065E-06	1.02025553E-09-6.10903592E-14	2
-2.95368927E+04-1.27591704E+01 5.55638920E+00	-2.83863547E-03 7.05722951E-05	3
-8.78130984E-08 3.40290951E-11-2.78325393E+04	2.31960221E+00-2.58360384E+04	4
acrol 7/29/ 8 LECoNc 3h 4o 1 OG	300.000 5000.000 1480.000	01
8.97743713E+00 1.08066787E-02-3.68270401E-06	5.71010322E-10-3.31194545E-14	2
-1.34748543E+04-2.11176946E+01 3.60685570E+00	1.54070098E-02 1.95396877E-06	3
-6.66660144E-09 1.98409866E-12-1.08391832E+04	1.05060530E+01	4
c2h3co 7/29/ 8 LECoNc 3h 3o 1 OG	300.000 5000.000 1547.000	01
1.59224942E+01 3.86944080E-03-1.68450540E-06	3.05605100E-10-1.97302624E-14	2
-3.91582842E+02-6.69822771E+01 3.55476414E-01	3.30029310E-03 4.16516285E-05	3
-3.78797376E-08 9.42743384E-12 8.82568852E+03	2.99647147E+01	4
ch2coch3 Burcat A10/04c 3.h 5.o 1. 0.G	200.000 6000.000 1000.	1
7.54410697E+00 1.43443222E-02-5.08381081E-06	8.13200521E-10-4.83673315E-14	2
-7.48672286E+03-1.14792587E+01 4.70187196E+00	5.51653762E-03 4.27505858E-05	3
-5.94680816E-08 2.40685378E-11-5.92845491E+03	7.12932590E+00-4.00985747E+03	4
c3h5oh c 3h 6o 1 G	0300.00 5000.00 1000.00	1
0.12603670E+02 0.26696790E-01-0.88122661E-05	0.13779865E-08-0.83808537E-13	2
-0.30240355E+05-0.34318184E+02 0.33559802E+01	0.44081770E-01-0.87931503E-05	3
-0.13929200E-07 0.70754257E-11-0.27296576E+05	0.15480649E+02	4
c3h6oh 4/24/92 ThERMc 3h 7o 1 OG	300.000 5000.000 1403.000	31
1.09340809E+01 1.49384611E-02-4.97490474E-06	7.58435125E-10-4.34420191E-14	2
-1.15876725E+04-2.89343754E+01 1.65867207E-01	4.13141037E-02-2.99664397E-05	3
1.16234591E-08-1.86270510E-12-7.97925983E+03	2.84481654E+01	4
o2c3h6oh 4/24/92 ThERMc 3h 7o 3 OG	300.000 5000.000 1380.000	41
1.55655181E+01 1.68822736E-02-5.91144639E-06	9.32274430E-10-5.46815496E-14	2
-2.95301139E+04-5.17312137E+01 2.20217327E+00	4.59913087E-02-3.03766163E-05	3
1.05366009E-08-1.55928684E-12-2.45762626E+04	2.09594636E+01	4
ch3chco c 3h 4o 10 OG	300.00 5000.00 1000.00	1
0.63257427E+01 0.65247067E-02-0.12662762E-05	0.13370773E-09-0.62057755E-14	2
-0.36616558E+04-0.21445749E+02 0.98070252E+00	0.16218642E-01-0.58109285E-05	3

0.59742038E-10	0.26217044E-12	-0.16838831E+04	0.80124340E+01		4					
ch2ch2hco	6/26/95	ThERMc	3h	5o	1	OG	300.000	5000.000	1371.00	21
9.97669730E+00	1.15899378E-02	-3.93593247E-06	6.08601507E-10	-3.52246874E-14						2
-2.41115816E+03	-2.36014420E+01	2.95202753E+00	2.48297051E-02	-1.23487153E-05						3
2.49449869E-09	-8.44820689E-14	3.85181944E+02	1.53181388E+01							4
o2c2h4hco		c	3h	5o	3	G	0300.00	5000.00	1000.00	1
0.59873166E+01	0.23788797E-01	-0.82112338E-05	0.13246599E-08	-0.82290735E-13						2
-0.17405863E+05	0.48074760E+01	0.18589790E+01	0.45797229E-01	-0.38392540E-04						3
0.15173494E-07	-0.16430635E-11	-0.17371359E+05	0.22181156E+02							4
qch2chhco		c	3h	5o	3	G	0300.00	5000.00	1000.00	1
0.65630107E+01	0.22864575E-01	-0.77858613E-05	0.12445959E-08	-0.76857201E-13						2
-0.14836938E+05	0.32925720E+01	0.23097246E+01	0.50628807E-01	-0.54614058E-04						3
0.31712943E-07	-0.72313535E-11	-0.15042559E+05	0.19955605E+02							4
qqjch2chhco		c	3h	5o	5	G	0300.00	5000.00	1000.00	1
0.88524780E+01	0.27320053E-01	-0.96576459E-05	0.15843693E-08	-0.99575140E-13						2
-0.21583143E+05	-0.29813080E+01	0.20869548E+01	0.62089298E-01	-0.55453151E-04						3
0.20841107E-07	-0.15813198E-11	-0.21454908E+05	0.25833302E+02							4
ho2c2h4co	11/13/07	c	3h	5o	3	OG	300.000	5000.000	1000.000	31
0.61841831E+01	0.22389354E-01	-0.74256582E-05	0.11646007E-08	-0.70949811E-13						2
-0.17206695E+05	0.72934914E+01	0.35030098E+01	0.40761109E-01	-0.35640427E-04						3
0.16218964E-07	-0.26064778E-11	-0.17562961E+05	0.17165771E+02							4
qch2ch2co3	11/13/07	c	3h	5o	5	OG	300.000	5000.000	1000.000	31
-0.50781608E+01	0.49313385E-01	-0.20429919E-04	0.37459174E-08	-0.25448892E-12						2
-0.33732953E+05	0.73446014E+02	-0.39694145E+00	0.67081004E-01	-0.61753301E-04						3
0.23583052E-07	-0.12862078E-11	-0.38276461E+05	0.37648914E+02							4
ho2c2h4hco	02/02/09	c	3h	6o	3	Og	300.000	5000.000	1000.000	1
0.39300311E+01	0.30475805E-01	-0.11961065E-04	0.21116726E-08	-0.13968816E-12						2
-0.34431125E+05	0.17605156E+02	0.30166800E+01	0.43097474E-01	-0.30498470E-04						3
0.83356602E-08	0.43335181E-12	-0.35320078E+05	0.18343475E+02							4
oc2h4hco	02/02/09	c	3h	5o	2	Og	300.000	5000.000	1000.000	1
0.37177391E+01	0.23471154E-01	-0.81770404E-05	0.13273875E-08	-0.82795478E-13						2
-0.16602336E+05	0.13593075E+02	0.47419909E+00	0.41671030E-01	-0.34385801E-04						3
0.14495274E-07	-0.20121441E-11	-0.16628582E+05	0.26996202E+02							4
ch3cocho	7/ 6/ 7	ThERMc	3h	4o	2	OG	300.000	5000.000	1373.000	21
1.18377936E+01	1.06832643E-02	-3.76864788E-06	5.97374721E-10	-3.51655013E-14						2
-3.80189846E+04	-3.43005438E+01	1.97192949E+00	3.01085469E-02	-1.67791836E-05						3
3.73805387E-09	-1.49790837E-13	-3.42361657E+04	1.99624294E+01							4
ch3coco	7/ 6/ 7	ThERMc	3h	3o	2	OG	300.000	5000.000	1378.000	21
1.12735441E+01	8.53005972E-03	-3.00584312E-06	4.76106491E-10	-2.80119089E-14						2
-2.18589653E+04	-3.04547106E+01	3.00961286E+00	2.63548623E-02	-1.73416768E-05						3
5.60529311E-09	-7.20790918E-13	-1.88260803E+04	1.44793749E+01							4
ch2cohco	7/11/ 7	ThERMc	3h	3o	2	OG	300.000	5000.000	1387.000	11
1.25716146E+01	7.89354143E-03	-2.79644885E-06	4.44564212E-10	-2.62241891E-14						2
-1.66392496E+04	-3.79295242E+01	1.83606260E+00	3.34114474E-02	-2.59376700E-05						3
9.97502460E-09	-1.53109363E-12	-1.29848450E+04	1.95226824E+01							4
hcoch2hco	7/ 6/ 7	ThERGc	3h	4o	2	OG	300.000	5000.000	2041.000	31
1.01665173E+01	1.26554663E-02	-4.72118749E-06	7.79086094E-10	-4.72151798E-14						2
-3.85694777E+04	-2.39205149E+01	1.05479724E+00	3.10169903E-02	-1.69152633E-05						3
3.63174198E-09	-1.52155933E-13	-3.52900612E+04	2.58148090E+01							4
hcoch2co	7/ 6/ 7	ThERGc	3h	3o	2	OG	300.000	5000.000	1375.000	31
1.03839875E+01	8.95653335E-03	-3.17495041E-06	5.04859934E-10	-2.97835672E-14						2
-2.07847430E+04	-2.26918341E+01	1.48700499E+00	2.83963833E-02	-1.93510395E-05						3
6.68152666E-09	-9.54954634E-13	-1.75210985E+04	2.56357273E+01							4
ch3coch2o2	2/14/95	c	3h	5o	3	Og	300.000	5000.000	1379.00	31
1.27690342e+01	1.42554828e-02	-4.92821461e-06	7.70448921e-10	-4.49110534e-14						2
-2.34798669e+04	-3.27155799e+01	5.95535468e+00	2.70255205e-02	-1.37385031e-05						3
3.53735851e-09	-4.03922557e-13	-2.06679464e+04	5.21436049e+00							4
ch3coch2o	4/ 3/ 0	thermc	3h	5o	2	Og	300.000	5000.000	1370.000	21
1.14637586e+01	1.32124342e-02	-4.56580495e-06	7.13897538e-10	-4.16281047e-14						2
-2.23833017e+04	-3.15127868e+01	3.72927689e+00	2.63943697e-02	-1.09796486e-05						3
8.58185303e-10	3.39474590e-13	-1.91551565e+04	1.18505335e+01							4

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ch3coch2o2h 2/14/95      c  3h  6o  3  0g  300.000  5000.000  1381.00  41
 1.52372810e+01 1.44114651e-02-5.01290009e-06 7.870712229e-10-4.60225784e-14  2
-4.27564444e+04-4.77383784e+01 4.94789761e+00 3.60474432e-02-2.21719933e-05  3
 6.98296874e-09-9.21269260e-13-3.88687178e+04 8.49926130e+00  4
propynal 3/ 8/ 7 ThERMc 3h  2o  1  0G  300.000  5000.000  1395.000  11
 1.13834900E+01 3.86539656E-03-1.43543557E-06 2.33555277E-10-1.38525734E-14  2
-2.74224066E+03-4.61311767E+01 2.04975314E+00 2.95648515E-02-2.89148802E-05  3
 1.36273409E-08-2.49643945E-12 8.10578949E+01 2.56858501E+00  4
c2hco 3/ 8/ 7      c  3h  1o  1  0G  300.000  5000.000  1392.000  01
 1.01783857E+01 3.04124871E-03-1.10131295E-06 1.77631920E-10-1.05836052E-14  2
 1.58902893E+04-3.92188228E+01 2.74957395E+00 2.31011059E-02-2.21190313E-05  3
 1.02312072E-08-1.84461815E-12 1.81735009E+04-3.23514715E-01  4

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! Base C4

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ic4h9      c  4h  90  00  0G  300.00  5000.000  1000.00  1
 0.90892484E+01 0.24142553E-01-0.90926191E-05 0.15645149E-08-0.10112622E-12  2
 0.37805772E+04-0.22806785E+02-0.17234362E+01 0.56100048E-01-0.50882003E-04  3
 0.32521537E-07-0.10413575E-10 0.68675433E+04 0.33080896E+02  4
tc4h9      c  4h  90  00  0G  300.00  5000.000  1000.00  1
 0.90709925E+01 0.22472441E-01-0.75462058E-05 0.11124330E-08-0.58946771E-13  2
 0.82343457E+03-0.23632431E+02 0.31227112E+01 0.25226224E-01 0.11214444E-04  3
-0.22687910E-07 0.81753137E-11 0.34445190E+04 0.11197623E+02  4
ic4h8      c  4h  80  00  0G  300.00  5000.00  1000.00  1
 0.44609470E+01 0.29611487E-01-0.13077129E-04 0.26571934E-08-0.20134713E-12  2
-0.50066758E+04 0.10671549E+01 0.26471405E+01 0.25902957E-01 0.81985354E-05  3
-0.22193259E-07 0.88958580E-11-0.40373069E+04 0.12676388E+02  4
ic4h7      c  4h  70  00  0G  300.00  3000.00  1000.00  1
 0.91749680E+01 0.18672980E-01-0.67359360E-05 0.11884610E-08-0.80369600E-13  2
 0.10254610E+05-0.24345480E+02-0.44200080E+00 0.45216870E-01-0.32260950E-04  3
 0.97245970E-08-0.18413410E-13 0.12961550E+05 0.25443950E+02  4
c4h4o      c  4h  4o  10  0G  300.00  5000.00  1000.00  1
 0.95622100E+01 0.18357260E-01-0.73843870E-05 0.13726610E-08-0.95581110E-13  2
-0.27256590E+04-0.28622530E+02 0.11296920E-01 0.28646280E-01 0.19574870E-04  3
-0.48074430E-07 0.21654150E-10 0.70615460E+03 0.24629120E+02  4
c3h4hco 3/ 8/ 7 ThERMc 4h  5o  1  0G  300.000  5000.000  1392.000  21
 1.29057409E+01 1.21125634E-02-4.21317680E-06 6.61578596E-10-3.86900053E-14  2
 6.22460269E+03-4.15460021E+01-1.32463902E-01 4.48860123E-02-3.65566047E-05  3
 1.54811974E-08-2.67115426E-12 1.05424224E+04 2.76926684E+01  4
c3h3hco    c  4h  4o  10  0G  300.00  5000.00  1000.00  1
 0.40837727E+01 0.27734047E-01-0.13153832E-04 0.26552880E-08-0.19342094E-12  2
 0.59737588E+04 0.66168709E+01 0.11482457E+01 0.30637158E-01-0.11443767E-04  3
 0.19931119E-09 0.48908642E-12 0.73652012E+04 0.23784662E+02  4
c3h3co     c  4h  3o  10  0G  300.00  5000.00  1000.00  1
 0.54697051E+01 0.20590097E-01-0.83108216E-05 0.14963151E-08-0.10035834E-12  2
 0.23223531E+05-0.11719551E+01 0.23043721E+01 0.16522696E-01 0.14482298E-04  3
-0.21086697E-07 0.68923625E-11 0.25072066E+05 0.19143721E+02  4
c4h10      c  4h  10o  0  G  0300.00  5000.00  1000.00  1
 0.18290246E+01 0.37759554E-01-0.14565891E-04 0.25407361E-08-0.16666360E-12  2
-0.18126377E+05 0.14366367E+02-0.46007365E-01 0.43097489E-01-0.10378325E-04  3
-0.12544056E-07 0.72553361E-11-0.18029369E+05 0.23059675E+02  4
pc4h9      BURCAT  T 6/04c 4h  9  0  0g  200.000  6000.000  1000.00  1
 8.97401527E+00 2.39704154E-02-8.48703645E-06 1.35644127E-09-8.06234913E-14  2
 5.19161526E+03-2.31075609E+01 4.73737837E+00 9.69051565E-03 6.63846383E-05  3
-9.24799302E-08 3.74006099E-11 7.57382332E+03 4.91063455E+00 9.83838903E+03  4
sc4h9      BURCAT  T 6/04c 4h  9  0  0g  200.000  6000.000  1000.00  1
 7.72287211E+00 2.43427284E-02-8.65476475E-06 1.38712529E-09-8.26084187E-14  2
 4.15004489E+03-1.43949625E+01 5.42089393E+00-9.12146870E-04 8.84998581E-05  3
-1.12115531E-07 4.38222782E-11 6.28927311E+03 5.04210029E+00 8.44598852E+03  4
c4h8       Burcat  c  4h  8o  0  G  0300.00  5000.00  1000.00  1
 0.20535841E+01 0.34350507E-01-0.15883197E-04 0.33089662E-08-0.25361045E-12  2

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-0.21397231E+04	0.15556360E+02	0.11811380E+01	0.30853380E-01	0.50865247E-05	3					
-0.24654888E-07	0.11110193E-10	-0.17904004E+04	0.21075639E+02	-0.06494670E+03	4					
t2c4h8	c	4h	80	00	0G	300.00	5000.00	1000.00	1	
0.82797676E+00	0.35864539E-01	-0.16634498E-04	0.34732759E-08	-0.26657398E-12	2					
-0.30521033E+04	0.21342545E+02	0.12594252E+01	0.27808424E-01	0.87013932E-05	3					
-0.24402205E-07	0.98977710E-11	-0.29647742E+04	0.20501129E+02		4					
c2c4h8	c	4h	80	00	0G	300.00	5000.00	1000.00	1	
0.78306820E+01	0.22235800E-01	-0.81724150E-05	0.14497050E-08	-0.98197430E-13	2					
-0.57222290E+04	-0.17109110E+02	0.28161200E+01	0.21483640E-01	0.23849340E-04	3					
-0.42454030E-07	0.17550510E-10	-0.35593090E+04	0.12493960E+02		4					
Ac4h7-1	7/10/ 7	ThERGc	4h	7o	0	0G	300.000	5000.000	1000.000	21
0.10585844E+02	0.14295458E-01	-0.38427370E-05	0.52097876E-09	-0.28860645E-13	2					
0.24724699E+05	-0.29515842E+02	-0.48956922E+00	0.44776533E-01	-0.38022383E-04	3					
0.20486294E-07	-0.52131485E-11	0.27998318E+05	0.28240118E+02		4					
Cc4h7-1	c	4h	70	00	0G	300.00	3000.00	1000.00	1	
0.5521420E+01	0.2683684E-01	-0.1286430E-04	0.3088640E-08	-0.3030856E-12	2					
0.1198044E+05	-0.4495640E+01	-0.1080514E+01	0.4638686E-01	-0.3464697E-04	3					
0.1401374E-07	-0.2395040E-11	0.1375538E+05	0.2933150E+02		4					
Dc4h7-1	c	4h	7o	0	G	0300.00	5000.00	1000.00	1	
0.11100403E+02	0.13815344E-01	-0.36729841E-05	0.49313426E-09	-0.27090695E-13	2					
0.19567062E+05	-0.31800911E+02	-0.11401347E+01	0.50582599E-01	-0.49579528E-04	3					
0.29734473E-07	-0.78816146E-11	0.22986725E+05	0.31156263E+02		4					
c4h6	c	4h	60	00	0G	300.00	3000.00	1000.00	1	
0.98438620E+01	0.15445170E-01	-0.57172000E-05	0.10145160E-08	-0.68655930E-13	2					
0.90772280E+04	-0.28003430E+02	0.11107870E+02	-0.63027940E-02	0.53619200E-04	3					
-0.59145190E-07	0.21238630E-10	0.96868770E+04	-0.29928690E+02		4					
butyne	c	4h	60	00	0G	300.00	5000.00	1000.00	1	
0.80387070E+01	0.16361490E-01	-0.51950590E-05	0.87261840E-09	-0.57617240E-13	2					
0.16274420E+05	-0.16772050E+02	-0.57984030E+00	0.46665740E-01	-0.48803730E-04	3					
0.31088930E-07	-0.83509690E-11	0.18381660E+05	0.26264080E+02		4					
butyn2	c	4h	6	0	0G	300.000	5000.000		1	
0.80465832E+01	0.16485251E-01	-0.55222272E-05	0.81235929E-09	-0.42950784E-13	2					
0.13701305E+05	-0.18017740E+02	0.31971083E+01	0.20255916E-01	0.65101922E-05	3					
-0.16584423E-07	0.64002822E-11	0.15715203E+05	0.99088230E+01	0.17597979E+05	4					
meall	c	4h	60	00	0G	300.00	3000.00	1000.00	1	
0.1781557E+02	-0.4257502E-02	0.1051185E-04	-0.4473844E-08	0.5848138E-12	2					
0.1267342E+05	-0.6983978E+02	0.1023467E+01	0.3495919E-01	-0.2200905E-04	3					
0.6942272E-08	-0.7879187E-12	0.1811799E+05	0.1973750E+02		4					
ic4h5	c	4h	5	0	0G	300.00	5000.0	1000.0	01	
0.90956680E+01	0.14777760E-01	-0.60020560E-05	0.11199920E-08	-0.78116340E-13	2					
0.33138790E+05	-0.19989900E+02	0.76222620E+01	-0.78198420E-02	0.74335610E-04	3					
-0.88638960E-07	0.33414190E-10	0.34873060E+05	-0.58366290E+01		4					
nc4h5	c	4h	5	0	0G	300.0	5000.0	1000.00	01	
0.10014330E+02	0.14816500E-01	-0.62390490E-05	0.11873550E-08	-0.83812640E-13	2					
0.38641150E+05	-0.26894940E+02	0.86183830E+01	-0.18673580E-01	0.10944920E-03	3					
-0.12786270E-06	0.48163990E-10	0.40832320E+05	-0.10651440E+02		4					
c4h4	c	4h	40	00	0G	300.00	4000.00	1000.00	1	
0.10697773E+02	0.06982014E-01	-0.06567747E-05	-0.03884517E-08	0.07200946E-12	2					
0.03034803E+06	-0.03128430E+03	0.03233893E+02	0.01865634E+00	0.12703205E-05	3					
-0.09410096E-07	0.02956110E-10	0.03301097E+06	0.09922676E+02		4					
nc4h3	c	4h	30	00	0G	300.00	5000.00	1000.00	1	
0.91143560E+01	0.95471120E-02	-0.38843590E-05	0.72623270E-09	-0.50737070E-13	2					
0.61621520E+05	-0.21296650E+02	0.56986800E+01	0.60107180E-02	0.28706380E-04	3					
-0.41907200E-07	0.16944030E-10	0.63201220E+05	-0.49851380E+00		4					
ic4h3	c	4h	30	00	0G	300.00	5000.00	1000.00	1	
0.97570450E+01	0.88991060E-02	-0.36321540E-05	0.67966640E-09	-0.47498080E-13	2					
0.52220940E+05	-0.22567330E+02	0.92063570E+01	-0.68412580E-02	0.49426770E-04	3					
-0.57756540E-07	0.21620850E-10	0.53230880E+05	-0.15490760E+02		4					
c4h2	c	4h	20	00	0G	300.00	5000.00	1000.00	1	
0.09031407E+02	0.06047252E-01	-0.01948788E-04	0.02754863E-08	-0.13856080E-13	2					
0.05294735E+06	-0.02385067E+03	0.04005191E+02	0.01981000E+00	-0.09865877E-04	3					

-0.06635158E-07	0.06077413E-10	0.05424065E+06	0.01845736E+02	4					
c4h9qjA	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.15595833E+02	0.19481253E-01	-0.54285274E-05	0.75312029E-09	-0.42252778E-13	2				
-0.14424153E+05	-0.51581955E+02	0.24988347E+00	0.58799535E-01	-0.39250695E-04	3				
0.10553014E-07	0.14231263E-13	-0.99245605E+04	0.28736156E+02	4					
c4h9qjB	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.16361448E+02	0.18758347E-01	-0.51723669E-05	0.71152551E-09	-0.39656128E-13	2				
-0.17197613E+05	-0.56386620E+02	-0.58159930E+00	0.65555476E-01	-0.51889827E-04	3				
0.20125093E-07	-0.25961908E-11	-0.12422730E+05	0.31381353E+02	4					
c4h8rAqA	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.16051825E+02	0.17835706E-01	-0.46704640E-05	0.61662292E-09	-0.33299782E-13	2				
-0.10357569E+05	-0.49870140E+02	0.38599816E+00	0.67110069E-01	-0.67045628E-04	3				
0.39030780E-07	-0.96601217E-11	-0.62153784E+04	0.29860762E+02	4					
c4h8rBqA	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.16051500E+02	0.17864266E-01	-0.46945179E-05	0.62312139E-09	-0.33868511E-13	2				
-0.84911982E+04	-0.49861786E+02	0.41746065E+00	0.66929147E-01	-0.66410845E-04	3				
0.38230098E-07	-0.93350154E-11	-0.43590059E+04	0.29717245E+02	4					
c4h8rCqA	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.15836190E+02	0.18276053E-01	-0.48705583E-05	0.65426875E-09	-0.35914597E-13	2				
-0.84518262E+04	-0.48764397E+02	0.14225247E+01	0.59792988E-01	-0.50404382E-04	3				
0.23572246E-07	-0.44956040E-11	-0.44562437E+04	0.25527254E+02	4					
c4h8rDqA	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.16399406E+02	0.17848140E-01	-0.47433541E-05	0.63675132E-09	-0.34983135E-13	2				
-0.75573428E+04	-0.52082130E+02	0.60832828E+00	0.64633384E-01	-0.58237252E-04	3				
0.29281617E-07	-0.61640532E-11	-0.32629905E+04	0.28944464E+02	4					
c4h8rAqB	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.17164682E+02	0.17129254E-01	-0.44909089E-05	0.59581257E-09	-0.32413129E-13	2				
-0.10683619E+05	-0.56888702E+02	-0.28616673E+00	0.71833134E-01	-0.71955736E-04	3				
0.39939927E-07	-0.91607989E-11	-0.61067861E+04	0.31853411E+02	4					
c4h8rCqB	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.16552919E+02	0.17643027E-01	-0.46683172E-05	0.62521122E-09	-0.34322442E-13	2				
-0.11206274E+05	-0.53300163E+02	0.54561597E+00	0.66874735E-01	-0.63849686E-04	3				
0.33968135E-07	-0.74029021E-11	-0.69497178E+04	0.28361181E+02	4					
c4h8rDqB	c	4h	9o	2	G	0300.00	5000.00	1000.00	1
0.17199587E+02	0.17067039E-01	-0.44542708E-05	0.58712485E-09	-0.31697667E-13	2				
-0.10345285E+05	-0.57083076E+02	-0.30731210E+00	0.71974047E-01	-0.72281437E-04	3				
0.40254292E-07	-0.92689320E-11	-0.57521777E+04	0.31943792E+02	4					
c4h8qjAqA	c	4h	9o	4	G	0300.00	5000.00	1000.00	1
0.20391235E+02	0.18253328E-01	-0.46773666E-05	0.61028504E-09	-0.32827999E-13	2				
-0.30022582E+05	-0.71210388E+02	0.36108353E+01	0.48481815E-01	0.80780710E-05	3				
-0.47805617E-07	0.22261772E-10	-0.24963180E+05	0.18663290E+02	4					
c4h8qjBqA	c	4h	9o	4	G	0300.00	5000.00	1000.00	1
0.21167318E+02	0.18341102E-01	-0.48231136E-05	0.64272282E-09	-0.35146416E-13	2				
-0.28514543E+05	-0.73493263E+02	0.12464113E+01	0.75056180E-01	-0.62279512E-04	3				
0.24012136E-07	-0.27494615E-11	-0.23098533E+05	0.29017382E+02	4					
c4h8qjCqA	c	4h	9o	4	G	0300.00	5000.00	1000.00	1
0.21235804E+02	0.18219627E-01	-0.47519902E-05	0.62594929E-09	-0.33771851E-13	2				
-0.28813791E+05	-0.73874031E+02	0.12393204E+01	0.75103648E-01	-0.62390653E-04	3				
0.24121507E-07	-0.27879452E-11	-0.23369484E+05	0.29048790E+02	4					
c4h8qjDqA	c	4h	9o	4	G	0300.00	5000.00	1000.00	1
0.20459984E+02	0.18947383E-01	-0.50042804E-05	0.66612793E-09	-0.36245394E-13	2				
-0.26033139E+05	-0.69698662E+02	0.22620471E+01	0.67043088E-01	-0.46687997E-04	3				
0.11577567E-07	0.84215762E-12	-0.20892023E+05	0.24897638E+02	4					
c4h8qjAqB	c	4h	9o	4	G	0300.00	5000.00	1000.00	1
0.21167318E+02	0.18341102E-01	-0.48231136E-05	0.64272282E-09	-0.35146416E-13	2				
-0.28514584E+05	-0.74186813E+02	0.12686193E+01	0.74901491E-01	-0.61907209E-04	3				
0.23640323E-07	-0.26179115E-11	-0.23100893E+05	0.28230011E+02	4					
c4h8qjCqB	c	4h	9o	4	G	0300.00	5000.00	1000.00	1
0.21888067E+02	0.17680371E-01	-0.45973793E-05	0.60718119E-09	-0.32980075E-13	2				
-0.31535605E+05	-0.78729637E+02	0.63410324E+00	0.80357298E-01	-0.71632960E-04	3				
0.30559153E-07	-0.43843913E-11	-0.25892623E+05	0.30032263E+02	4					

c4h8qjDqB	c	4h	9o	4	G	0300.00	5000.00	1000.00	1	
0.21233110E+02	0.18224197E-01	-0.47545814E-05	0.62654804E-09	-0.33820220E-13					2	
-0.28812553E+05	-0.73860313E+02	0.11942649E+01	0.75426735E-01	-0.63191830E-04					3	
0.24944015E-07	-0.30860438E-11	-0.23364816E+05	0.29236444E+02						4	
c4h8o#3	c	4h	8o	1	G	0300.00	5000.00	1000.00	1	
0.10841183E+02	0.23146855E-01	-0.82291308E-05	0.13544756E-08	-0.85270712E-13					2	
-0.21876010E+05	-0.35098042E+02	-0.22656769E+00	0.47344849E-01	-0.16799813E-04					3	
-0.10017525E-07	0.67284481E-11	-0.18570105E+05	0.23529854E+02						4	
c4h8o#4	c	4h	8o	1	G	0300.00	5000.00	1000.00	1	
0.34796059E+01	0.37815239E-01	-0.16010379E-04	0.29808809E-08	-0.20474120E-12					2	
-0.18373701E+05	0.46433411E+01	-0.80936937E+01	0.88622943E-01	-0.11073386E-03					3	
0.82279641E-07	-0.24164665E-10	-0.15662465E+05	0.60699963E+02						4	
c4h8o#5	Burcat	T 3/97c	4h	8o	1	OG	200.000	5000.000	1000.	1
6.97323971E+00	2.88949921E-02	-1.16992973E-05	2.17090268E-09	-1.51075478E-13					2	
-2.67236416E+04	-1.44239686E+01	4.08780471E+00	-1.16647870E-02	1.44507977E-04					3	
-1.83315676E-07	7.25734431E-11	-2.38006675E+04	1.16117821E+01	-2.21516361E+04					4	
c4h7oAqB	c	4h	8o	30	OG	300.00	5000.00	1000.00	1	
0.51565738E+01	0.38813442E-01	-0.15359050E-04	0.27266063E-08	-0.18103656E-12					2	
-0.39197348E+05	0.12134422E+02	0.12349727E+01	0.61525494E-01	-0.43655171E-04					3	
0.10995143E-07	0.10105405E-11	-0.39505184E+05	0.27605818E+02						4	
c4h7oAqC	c	4h	8o	30	OG	300.00	5000.00	1000.00	1	
0.15024737E+01	0.44505898E-01	-0.18186340E-04	0.33031475E-08	-0.22294181E-12					2	
-0.38647719E+05	0.33030746E+02	0.24198382E+01	0.58522277E-01	-0.42271160E-04					3	
0.11203908E-07	0.96926048E-12	-0.40758629E+05	0.21788208E+02						4	
c4h7oAqD	c	4h	8o	30	OG	300.00	5000.00	1000.00	1	
0.56509681E+01	0.36858574E-01	-0.14185181E-04	0.24689291E-08	-0.16163333E-12					2	
-0.37817258E+05	0.10409409E+02	0.27760043E+01	0.55114768E-01	-0.37819718E-04					3	
0.99687698E-08	0.55395418E-12	-0.38210289E+05	0.21151186E+02						4	
c4h7oBqA	c	4h	8o	30	OG	300.00	5000.00	1000.00	1	
0.15861348E+01	0.43479957E-01	-0.17494467E-04	0.31422394E-08	-0.21036531E-12					2	
-0.39324336E+05	0.32575222E+02	0.32593753E+01	0.53690277E-01	-0.37290840E-04					3	
0.10202242E-07	0.58889433E-12	-0.41428801E+05	0.18151604E+02						4	
c4h7oBqC	c	4h	8o	30	OG	300.00	5000.00	1000.00	1	
0.65961237E+01	0.36197469E-01	-0.14020626E-04	0.24535096E-08	-0.16135044E-12					2	
-0.43461812E+05	0.34785538E+01	0.10589478E+01	0.60405202E-01	-0.41287476E-04					3	
0.97695727E-08	0.10831664E-11	-0.43017469E+05	0.28403883E+02						4	
c4h7oBqD	c	4h	8o	30	OG	300.00	5000.00	1000.00	1	
0.71798754E+01	0.34119871E-01	-0.12807865E-04	0.21916260E-08	-0.14183713E-12					2	
-0.42121785E+05	0.12404099E+01	0.27280753E+01	0.53121392E-01	-0.33396540E-04					3	
0.67355481E-08	0.13214138E-11	-0.41736484E+05	0.21404715E+02						4	
nc4h9o2h	c	4h	10o	2	G	0300.00	5000.00	1000.00	1	
0.13364201E+02	0.26301583E-01	-0.87335775E-05	0.13712343E-08	-0.83620455E-13					2	
-0.33745547E+05	-0.38009354E+02	0.83388466E+00	0.60939860E-01	-0.39002498E-04					3	
0.78341813E-08	0.16028346E-11	-0.30397754E+05	0.26467260E+02						4	
c4h7o2h	c	4h	8o	2	G	0300.00	5000.00	1000.00	1	
0.13162507E+02	0.21643989E-01	-0.71929812E-05	0.11303418E-08	-0.68989261E-13					2	
-0.17694191E+05	-0.36459305E+02	0.22901256E+01	0.47590896E-01	-0.18961156E-04					3	
-0.95546548E-08	0.73198019E-11	-0.14679048E+05	0.20296099E+02						4	
c4h7e1qB	c	4h	8o	2	G	0300.00	5000.00	1000.00	1	
0.12377043E+02	0.23240978E-01	-0.79734837E-05	0.12817828E-08	-0.79485734E-13					2	
-0.17037293E+05	-0.33649040E+02	0.25435202E+01	0.50029602E-01	-0.30610132E-04					3	
0.52741331E-08	0.16029609E-11	-0.14387111E+05	0.17056837E+02						4	
c4h7oq	c	4h	8o	3	G	0300.00	5000.00	1000.00	1	
0.16870092E+02	0.68185821E-01	-0.24252884E-04	0.39975974E-08	-0.25215041E-12					2	
-0.39237465E+05	-0.53114212E+02	-0.18994358E+00	0.10673244E+00	-0.35085766E-04					3	
-0.21366752E-07	0.14464667E-10	-0.34442055E+05	0.36377739E+02						4	
nc3h7hco	7/ 6/ 7	ThERMc	4h	8o	1	OG	300.000	5000.000	1682.000	31
1.41450352E+01	1.74573447E-02	-6.52091596E-06	1.07698621E-09	-6.53071212E-14					2	
-3.15823365E+04	-4.69411192E+01	1.96951197E+00	4.07099592E-02	-2.01237756E-05					3	
3.07139892E-09	1.91826442E-13	-2.71017064E+04	1.99486292E+01						4	
c3h7co	c	4h	7o	1	G	0300.00	5000.00	1000.00	1	

0.47072029E+01	0.26826609E-01	-0.91171314E-05	0.14559267E-08	-0.89873231E-13	2						
-0.96920791E+04	0.80605698E+01	0.14006841E+01	0.43548554E-01	-0.33324701E-04	3						
0.14819613E-07	-0.26685743E-11	-0.95025234E+04	0.22473145E+02		4						
c4h7oh	c	4h	8o	1	G	0300.00	5000.00	1000.00	1		
0.12603670E+02	0.26696790E-01	-0.88122661E-05	0.13779865E-08	-0.83808537E-13	2						
-0.30240355E+05	-0.34318184E+02	0.33559802E+01	0.44081770E-01	-0.87931503E-05	3						
-0.13929200E-07	0.70754257E-11	-0.27296576E+05	0.15480649E+02		4						
ac3h5hco	c	4h	6o	1	G	0300.00	5000.00	1390.00	21		
1.22811161E+01	1.50167397E-02	-5.17605303E-06	8.07796972E-10	-4.70379360E-14	2						
-1.50985283E+04	-3.72055710E+01	1.59653121E-01	4.25761347E-02	-2.91900593E-05	3						
1.04044255E-08	-1.53682904E-12	-1.07859656E+04	2.82087323E+01		4						
ac3h5co	2/29/96	thermc	4h	5o	1	OG	300.000	5000.000	1389.000	21	
1.18646590E+01	1.28852832E-02	-4.45460888E-06	6.96613045E-10	-4.06215490E-14	2						
3.86344452E+03	-3.32989999E+01	9.34300027E-01	3.77751824E-02	-2.61384581E-05	3						
9.34041036E-09	-1.37598294E-12	7.74223639E+03	2.56636231E+01		4						
c2h3chcho	7/11/	7	ThERMc	4h	5o	1	OG	300.000	5000.000	1394.000	01
1.14968064E+01	1.37733667E-02	-4.70138379E-06	7.29005353E-10	-4.22620853E-14	2						
2.19447743E+03	-3.40242711E+01	-3.02771175E-01	4.16449784E-02	-3.00051898E-05	3						
1.12468306E-08	-1.73014503E-12	6.25850862E+03	2.92327697E+01		4						
c4h8o2	c	4h	8o	2	G	0300.00	5000.00	1000.00	1		
0.12603670E+02	0.26696790E-01	-0.88122661E-05	0.13779865E-08	-0.83808537E-13	2						
-0.30240355E+05	-0.34318184E+02	0.33559802E+01	0.44081770E-01	-0.87931503E-05	3						
-0.13929200E-07	0.70754257E-11	-0.27296576E+05	0.15480649E+02		4						
butanone	0c	4h	8o	1	G	0300.00	5000.00	1000.00	1		
.87888947E+01	.24174010E-01	-.83446403E-05	.13376648E-08	-.82271822E-13	2						
-.33018367E+05	-.17819489E+02	.27316518E+01	.35815358E-01	-.11085016E-04	3						
-.44516226E-08	.28435873E-11	-.31006189E+05	.14949604E+02		4						
mvk	Therm	Curran	0c	4h	6o	1	G	300.000	5000.000	1386.00	21
1.25571995E+01	1.49672645E-02	-5.20015351E-06	8.15864365E-10	-4.76824406E-14	2						
-2.14622958E+04	-4.01434299E+01	2.45578501E-01	4.26432049E-02	-2.91126822E-05	3						
1.03478392E-08	-1.53551381E-12	-1.70305379E+04	2.64430799E+01		4						
ch2coc2h3	3/19/	7	ThERMc	4h	5o	1	OG	300.000	5000.000	1393.000	11
1.33454164E+01	1.21412652E-02	-4.21795603E-06	6.61780536E-10	-3.86794162E-14	2						
-1.18714134E+02	-4.37083473E+01	1.23886663E-01	4.57286980E-02	-3.77356197E-05	3						
1.61754307E-08	-2.81683350E-12	4.22224991E+03	2.63746546E+01		4						
mhd	c	7h	120	00	OG	300.00	5000.00	1000.00	1		
0.29266400E+01	0.14879800E-02	-0.56848000E-06	0.10097000E-09	-0.67500000E-14	2						
-0.92280000E+03	0.59810000E+01	0.32986800E+01	0.14082400E-02	-0.39632200E-05	3						
0.56415100E-08	-0.24448500E-11	-0.10209000E+04	0.39500000E+01		4						
h2c4o	c	4h	2o	10	OG	300.00	5000.00	1000.00	1		
0.82939720E+01	0.92993790E-02	-0.37389950E-05	0.69422900E-09	-0.48285830E-13	2						
0.24080810E+05	-0.17659360E+02	0.64205590E+01	0.65418440E-03	0.35099640E-04	3						
-0.45154730E-07	0.17480640E-10	0.25287060E+05	-0.45916500E+01		4						
c4h	c	4h	10	00	OG	300.00	5000.00	1000.00	1		
0.06242882E+02	0.06193682E-01	-0.02085931E-04	0.03082203E-08	-0.16364826E-13	2						
0.07568019E+06	-0.07210806E+02	0.05023247E+02	0.07092375E-01	-0.06073762E-07	3						
-0.02275752E-07	0.08086994E-11	0.07623812E+06	-0.06942594E+00		4						
c4h6o2h	c	4h	7o	20	OG	300.00	5000.00	1000.00	1		
0.25000000E+01	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00	2						
-0.74540000E+03	0.43660000E+01	0.25000000E+01	0.00000000E+00	0.00000000E+00	3						
0.00000000E+00	0.00000000E+00	-0.74540000E+03	0.43660000E+01		4						
hoc4h6	c	4h	7o	10	OG	300.00	5000.00	1000.00	1		
0.10610400E+02	0.17761390E-01	-0.51479730E-05	0.73525370E-09	-0.42104080E-13	2						
-0.76044290E+04	-0.25888690E+02	0.58910820E+00	0.44971440E-01	-0.32455210E-04	3						
0.13392720E-07	-0.25772260E-11	-0.47430910E+04	0.26194140E+02		4						
ch3chch2hco	11/14/07	c	4h	7o	1	OG	300.000	5000.000	1000.000	31	
0.50431247E+01	0.26404748E-01	-0.89352470E-05	0.14221639E-08	-0.87567479E-13	2						
-0.40176113E+04	0.68120537E+01	0.93049204E+00	0.49576141E-01	-0.47239231E-04	3						
0.26812840E-07	-0.62247768E-11	-0.38429084E+04	0.24272457E+02		4						
c3h6cho-1	3/19/7	ThERMc	4h	7o	1	OG	300.000	5000.000	1379.000	31	
1.30322954E+01	1.62418373E-02	-5.54388124E-06	8.59723685E-10	-4.98459726E-14	2						



-6.45915975E+03-3.85453878E+01 2.67672303E+00	3.73064128E-02-2.11281405E-05	3
5.80472681E-09-6.09688236E-13-2.49714183E+03	1.82696076E+01	4
ch3coc2h4p 6/21/95 therec 4h 7o 1 0g	300.000 5000.000 1380.00	31
1.24694368e+01 1.71022143e-02-5.92156726e-06	9.26816806e-10-5.40730504e-14	2
-1.01378242e+04-3.62186375e+01 2.40255609e+00	3.67294268e-02-1.97316510e-05	3
5.07323216e-09-4.99655275e-13-6.15006886e+03	1.93993386e+01	4
ch3coc2h4o2 05/12/08 c 4h 7o 3 0g	300.000 5000.000 1000.000	1
0.89678164E+01 0.28008044E-01-0.94482430E-05	0.15002523E-08-0.92210656E-13	2
-0.25006693E+05-0.10102364E+02 0.13262078E+01	0.57507858E-01-0.45322631E-04	3
0.17575857E-07-0.21632667E-11-0.23761553E+05	0.26280613E+02	4
ch3coc2h4o2h 05/12/08 c 4h 8o 3 0g	300.000 5000.000 1000.000	1
0.71798754E+01 0.34119871E-01-0.12807865E-04	0.21916260E-08-0.14183713E-12	2
-0.42121785E+05 0.12404099E+01 0.27280753E+01	0.53121392E-01-0.33396540E-04	3
0.67355481E-08 0.13214138E-11-0.41736484E+05	0.21404715E+02	4
ch3coc2h4o 05/12/08 c 4h 7o 2 0g	300.000 5000.000 1000.000	1
0.66583276E+01 0.27749667E-01-0.94368897E-05	0.15065660E-08-0.92921114E-13	2
-0.24186270E+05-0.10899277E+01 0.54507318E-03	0.52965928E-01-0.40301915E-04	3
0.15869045E-07-0.21622910E-11-0.23025023E+05	0.30846504E+02	4
c2h5coch2 6/22/95 thermc 4h 7o 1 0g	300.000 5000.000 1380.00	31
1.24694368e+01 1.71022143e-02-5.92156726e-06	9.26816806e-10-5.40730504e-14	2
-1.32581060e+04-3.69081191e+01 2.40255609e+00	3.67294268e-02-1.97316510e-05	3
5.07323216e-09-4.99655275e-13-9.27035071e+03	1.87098570e+01	4
c2h5coch2o2 05/12/08 c 4h 7o 3 0g	300.000 5000.000 1000.000	1
0.38571138E+01 0.36268853E-01-0.13350632E-04	0.22542255E-08-0.14458411E-12	2
-0.22358531E+05 0.18663910E+02 0.21409371E+01	0.56118496E-01-0.44536089E-04	3
0.16397523E-07-0.12623584E-11-0.23484295E+05	0.21826933E+02	4
c2h5coch2o2h 05/12/08 c 4h 8o 3 0g	300.000 5000.000 1000.000	1
0.16406878E+01 0.43388542E-01-0.17453762E-04	0.31352956E-08-0.20996311E-12	2
-0.39345242E+05 0.32271141E+02 0.33874428E+01	0.52805789E-01-0.35180026E-04	3
0.81136662E-08 0.13204503E-11-0.41442543E+05	0.17608814E+02	4
c2h5coch2o 05/12/08 c 4h 7o 2 0g	300.000 5000.000 1000.000	1
0.15474685E+01 0.36030553E-01-0.13362954E-04	0.22669999E-08-0.14581819E-12	2
-0.21541277E+05 0.27668835E+02 0.62256747E+00	0.52915037E-01-0.42734497E-04	3
0.17907073E-07-0.24005721E-11-0.22727172E+05	0.27209444E+02	4
ch3coc2h4qj c 4h 7o 3 G	0300.00 5000.00 1000.00	1
0.89678164E+01 0.28008044E-01-0.94482430E-05	0.15002523E-08-0.92210656E-13	2
-0.25006693E+05-0.10102364E+02 0.13262078E+01	0.57507858E-01-0.45322631E-04	3
0.17575857E-07-0.21632667E-11-0.23761553E+05	0.26280613E+02	4
ch2coc2h4q c 4h 7o 3 G	0300.00 5000.00 1000.00	1
0.98089294E+01 0.27196663E-01-0.91477141E-05	0.14500172E-08-0.89042861E-13	2
-0.19584631E+05-0.12753021E+02 0.18203707E+01	0.59974179E-01-0.52311527E-04	3
0.23730996E-07-0.40058928E-11-0.18383766E+05	0.24786594E+02	4
ch2qjcoc2h4q c 4h 7o 5 G	0300.00 5000.00 1000.00	1
0.70274129E+01 0.38263414E-01-0.13915499E-04	0.23291760E-08-0.14845631E-12	2
-0.33247496E+05 0.10160912E+02 0.39831936E+01	0.65486819E-01-0.54516993E-04	3
0.19785215E-07-0.12096370E-11-0.34432922E+05	0.18713594E+02	4
c4elojC 4/ 3/ 0 thermc 4h 7o 1 0g	300.000 5000.000 1395.000	21
1.53137780e+01 1.43427017e-02-4.81625517e-06	7.39574839e-10-4.26140814e-14	2
-7.29342884e+02-5.52937859e+01-1.60619192e+00	5.58562682e-02-4.35595767e-05	3
1.70589279e-08-2.65635180e-12 4.85090326e+03	3.47112559e+01	4
c2h5coch2qj 11/20/07 c 4h 7o 3 0G	300.000 5000.000 1000.000	31
0.38571138E+01 0.36268853E-01-0.13350632E-04	0.22542255E-08-0.14458411E-12	2
-0.22358531E+05 0.18663910E+02 0.21409371E+01	0.56118496E-01-0.44536089E-04	3
0.16397523E-07-0.12623584E-11-0.23484295E+05	0.21826933E+02	4
ch3chcoch2q 11/20/07 c 4h 7o 3 0G	300.000 5000.000 1000.000	31
0.42394428E+01 0.35741135E-01-0.13102807E-04	0.22049429E-08-0.14103318E-12	2
-0.19761291E+05 0.18116451E+02 0.35533347E+01	0.54249760E-01-0.45959878E-04	3
0.19584725E-07-0.24972672E-11-0.21250836E+05	0.15571623E+02	4
ch3chqjcoch2q 11/20/07 c 4h 7o 5 0G	300.000 5000.000 1000.000	31
0.66088834E+01 0.40016297E-01-0.14921512E-04	0.25411044E-08-0.16389102E-12	2
-0.34647473E+05 0.12188988E+02 0.22339897E+01	0.73329173E-01-0.63757965E-04	3

0.24175502E-07-0.19309962E-11-0.35705379E+05	0.26745338E+02	4
c4h8hco-2 2/25/ 9 ThERMc 5h 9o 1 OG	300.000 5000.000 1000.000	31
0.66388712E+01 0.33017617E-01-0.11292109E-04	0.18096782E-08-0.11189883E-12	2
-0.73563232E+04 0.31517792E+00 0.57747954E+00	0.62373504E-01-0.56432193E-04	3
0.30307202E-07-0.67590638E-11-0.67211289E+04	0.27562559E+02	4
c4h7hco-1 7/ 6/ 7 ThERMc 5h 8o 1 OG	300.000 5000.000 1379.000	31
1.59299730E+01 1.84432887E-02-6.21997362E-06	9.57537306E-10-5.52580126E-14	2
-1.98311071E+04-5.51771737E+01 1.30688261E+00	5.07911858E-02-3.31509980E-05	3
1.10391295E-08-1.49578391E-12-1.45595753E+04	2.40234219E+01	4
c4h7co-1 7/ 6/ 7 ThERMc 5h 7o 1 OG	300.000 5000.000 1378.000	31
1.54637001E+01 1.64158685E-02-5.54672481E-06	8.55055295E-10-4.93928750E-14	2
-8.55858619E+02-5.10065564E+01 2.09347005E+00	4.59484008E-02-3.00651488E-05	3
9.99306335E-09-1.34709811E-12 3.96659370E+03	2.14210959E+01	4
c4h7hco-2 2/25/ 9 ThERMc 5h 8o 1 OG	300.000 5000.000 1387.000	31
1.50265898E+01 1.98533832E-02-6.83413130E-06	1.06561288E-09-6.20117822E-14	2
-2.05562762E+04-4.97672026E+01 4.19720449E-01	5.14338117E-02-3.24110908E-05	3
1.03305738E-08-1.33536312E-12-1.51894369E+04	2.96497075E+01	4
c4h7co-2 2/25/ 9 ThERMc 5h 7o 1 OG	300.000 5000.000 1387.000	31
1.46069636E+01 1.77278548E-02-6.11539466E-06	9.54916411E-10-5.56262722E-14	2
-1.59318351E+03-4.58431667E+01 1.19183326E+00	4.66489693E-02-2.93898842E-05	3
9.28937321E-09-1.18024785E-12 3.33903076E+03	2.71153940E+01	4

! Base C5

nc5h12 c 5h 12o 0 G	0300.00 5000.00 1000.00	1
0.69037890E+01 0.38945273E-01-0.14318298E-04	0.24153177E-08-0.15480237E-12	2
-0.22813555E+05-0.10285370E+02-0.37944520E+00	0.54735661E-01-0.15632966E-04	3
-0.12797436E-07 0.78605664E-11-0.20787176E+05	0.27959454E+02	4
Ac5h11 c 5h 11o 0 G	0300.00 5000.00 1000.00	1
0.11840229E+02 0.26898146E-01-0.82338529E-05	0.12203893E-08-0.71540992E-13	2
0.12649160E+04-0.33695976E+02-0.83049029E+00	0.63527279E-01-0.47358484E-04	3
0.19638760E-07-0.33058777E-11 0.47048857E+04	0.31432556E+02	4
Bc5h11 c 5h 11o 0 G	0300.00 5000.00 1000.00	1
0.11266620E+02 0.28864660E-01-0.10510950E-04	0.18592610E-08-0.12582250E-12	2
-0.36539210E+03-0.29844090E+02 0.68113700E+00	0.48241750E-01-0.79634290E-05	3
-0.21500460E-07 0.11894760E-10 0.31181900E+04	0.27408430E+02	4
Cc5h11 c 5h 11o 0 G	0300.00 5000.00 1000.00	1
0.94056873E+01 0.30186320E-01-0.96252134E-05	0.14704192E-08-0.88102140E-13	2
0.11961777E+04-0.20527222E+02-0.10294762E+01	0.64833365E-01-0.51353636E-04	3
0.22927182E-07-0.39997003E-11 0.36354197E+04	0.31599148E+02	4
c5h10 Burcat n 4/87c 5.h 10. 0. 0.G	200.000 6000.000 1000.	1
1.19501622E+01 2.52159997E-02-8.85685260E-06	1.42602177E-09-8.54794944E-14	2
-8.52115733E+03-3.65337724E+01 5.88359146E+00	5.10403590E-03 9.78286629E-05	3
-1.32389833E-07 5.32233940E-11-5.16825430E+03	3.41988594E+00-2.55938113E+03	4
c2c5h10 c 5h 100 00 OG	300.00 5000.00 1000.00	1
0.98119410E+01 0.28230600E-01-0.10398800E-04	0.18491010E-08-0.12550480E-12	2
-0.84689020E+04-0.25010800E+02-0.29772320E+00	0.44258840E-01-0.86268990E-07	3
-0.29032720E-07 0.14525230E-10-0.50205490E+04	0.30271050E+02	4
t2c5h10 c 5h 100 00 OG	300.00 5000.00 1000.00	1
0.98119420E+01 0.28230630E-01-0.10398820E-04	0.18491130E-08-0.12550520E-12	2
-0.90727670E+04-0.25715310E+02-0.29836710E+00	0.44263500E-01-0.98045260E-07	3
-0.29020110E-07 0.14520380E-10-0.56243540E+04	0.29569240E+02	4
Dc5h9-1 11/28/2007 c 5h 9o 0 OG	300.000 5000.000 1000.000	31
0.13641939E+02 0.18557966E-01-0.51122247E-05	0.70279593E-09-0.39154474E-13	2
0.14672387E+05-0.43577042E+02-0.47920683E+00	0.57435397E-01-0.48409318E-04	3
0.25387028E-07-0.61655381E-11 0.18841400E+05	0.30043015E+02	4
Ac5h9-1 c 5h 90 00 OG	300.00 5000.00 1000.00	1
0.13705730E+02 0.18582760E-01-0.51383140E-05	0.70910480E-09-0.39653520E-13	2
0.20013520E+05-0.44697850E+02-0.56099670E+00	0.55861020E-01-0.43174220E-04	3
0.20314560E-07-0.46176200E-11 0.24333980E+05	0.30202250E+02	4
Bc5h9-1 1/25/ 8 ThERMc 5h 9 0 OG	300.000 5000.000 1390.000	31

1.39474859E+01	2.04521287E-02	-6.96967387E-06	1.07931978E-09	-6.25066129E-14	2					
1.90755987E+04	-4.56205587E+01	7.12538388E-01	4.89480531E-02	-2.99536208E-05	3					
9.37086243E-09	-1.19699264E-12	2.39583024E+04	2.63919649E+01		4					
Cc5h9-1	Burcat	c	5h	9o	0	OG	200.000	6000.000	1000.000	31
1.11277742E+01	2.38252436E-02	-8.44023460E-06	1.34549364E-09	-7.97578298E-14	2					
8.68711411E+03	-3.07833429E+01	2.34425040E+00	3.21504141E-02	2.45295981E-05	3					
-5.81110933E-08	2.68653496E-11	1.17932336E+04	1.81635883E+01	1.40357192E+04	4					
Ec5h9-1	7/ 2/ 7	ThERMc	5h	9	0	OG	300.000	5000.000	1392.000	31
1.41604486E+01	2.02710046E-02	-6.90765357E-06	1.06972742E-09	-6.19529514E-14	2					
1.49795090E+04	-4.65356181E+01	-3.00352280E-01	5.29029897E-02	-3.50199571E-05	3					
1.21280172E-08	-1.74459793E-12	2.01482388E+04	3.15883658E+01		4					
Dc5h9-2		c	5h	90	00	OG	300.00	5000.00	1000.00	1
0.10808840E+02	0.25114660E-01	-0.93133430E-05	0.16620690E-08	-0.11304350E-12	2					
0.56809360E+04	-0.30597490E+02	0.76094960E+00	0.43405570E-01	-0.63094280E-05	3					
-0.21376010E-07	0.11678100E-10	0.89833620E+04	0.23749610E+02		4					
c5h11qjA		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.17693907E+02	0.25206689E-01	-0.73175647E-05	0.10446389E-08	-0.59711967E-13	2					
-0.17954648E+05	-0.60869202E+02	0.37462369E+00	0.68274647E-01	-0.40443552E-04	3					
0.60420766E-08	0.23256178E-11	-0.12853773E+05	0.30001059E+02		4					
c5h11qjB		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.17815870E+02	0.25252532E-01	-0.73544652E-05	0.10514271E-08	-0.60109863E-13	2					
-0.20360367E+05	-0.61852409E+02	0.45328522E+01	0.41307453E-01	0.24998693E-04	3					
-0.58668839E-07	0.24622018E-10	-0.15895555E+05	0.11408155E+02		4					
c5h11qjC		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.17815870E+02	0.25252532E-01	-0.73544652E-05	0.10514271E-08	-0.60109863E-13	2					
-0.20088693E+05	-0.62546471E+02	0.45702310E+01	0.41049715E-01	0.25613848E-04	3					
-0.59279056E-07	0.24836746E-10	-0.15627834E+05	0.10555774E+02		4					
c5h10rAqA		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.18165686E+02	0.23514722E-01	-0.65243621E-05	0.90092245E-09	-0.50308390E-13	2					
-0.13890614E+05	-0.59234383E+02	0.49283785E+00	0.76717511E-01	-0.68574533E-04	3					
0.34870865E-07	-0.74775854E-11	-0.91428008E+04	0.31201130E+02		4					
c5h10rBqA		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.18197788E+02	0.23485268E-01	-0.65141744E-05	0.89930724E-09	-0.50209694E-13	2					
-0.12037074E+05	-0.59406296E+02	0.46351600E+00	0.76954529E-01	-0.68934860E-04	3					
0.35055390E-07	-0.74986363E-11	-0.72798706E+04	0.31315548E+02		4					
c5h10rCqA		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.18188309E+02	0.23501348E-01	-0.65232957E-05	0.90142627E-09	-0.50382370E-13	2					
-0.12032990E+05	-0.59352737E+02	0.41875389E+00	0.77245265E-01	-0.69588270E-04	3					
0.35668727E-07	-0.77042374E-11	-0.72747871E+04	0.31507940E+02		4					
c5h10rDqA		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.17981339E+02	0.23902215E-01	-0.66944849E-05	0.93115105E-09	-0.52278270E-13	2					
-0.11997775E+05	-0.58303978E+02	0.14070796E+01	0.70242055E-01	-0.53939111E-04	3					
0.21400107E-07	-0.30121725E-11	-0.73704863E+04	0.27386412E+02		4					
c5h10rEqA		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.18553434E+02	0.23457348E-01	-0.65568925E-05	0.91130709E-09	-0.51169931E-13	2					
-0.11106689E+05	-0.61670769E+02	0.64285290E+00	0.74731119E-01	-0.60917569E-04	3					
0.26247735E-07	-0.43729946E-11	-0.61825083E+04	0.30592690E+02		4					
c5h10rAqB		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.18656134E+02	0.23536196E-01	-0.66126163E-05	0.92265695E-09	-0.51956120E-13	2					
-0.13857056E+05	-0.62549164E+02	0.49879084E+01	0.46478335E-01	0.75884550E-05	3					
-0.41499785E-07	0.18991593E-10	-0.95966904E+04	0.11204841E+02		4					
c5h10rBqB		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.17709667E+02	0.24069384E-01	-0.67498613E-05	0.94133845E-09	-0.53032106E-13	2					
-0.17075113E+05	-0.57344658E+02	0.53862910E+01	0.45521099E-01	0.36585106E-05	3					
-0.34866385E-07	0.16336033E-10	-0.13272936E+05	0.89649525E+01		4					
c5h10rCqB		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.18317825E+02	0.23533041E-01	-0.65516374E-05	0.90639368E-09	-0.50651208E-13	2					
-0.14441848E+05	-0.60380569E+02	0.46930351E+01	0.49489446E-01	-0.22892000E-05	3					
-0.30863038E-07	0.15226929E-10	-0.10329230E+05	0.12418933E+02		4					
c5h10rDqB		c	5h	11o	2	G	0300.00	5000.00	1000.00	1
0.18103209E+02	0.23947487E-01	-0.67307633E-05	0.93793984E-09	-0.52691758E-13	2					

-0.14403750E+05-0.59289696E+02 0.57950335E+01	0.41689478E-01	0.15292435E-04	3	
-0.47076437E-07 0.20611939E-10-0.10436969E+05	0.78172059E+01		4	
c5h10rEqB c 5h 11o 2 G	0300.00	5000.00	1000.00	1
0.18678057E+02 0.23497580E-01-0.65901481E-05	0.91738317E-09	-0.51525516E-13		2
-0.13513839E+05-0.62672020E+02 0.50832539E+01	0.45818452E-01	0.91703050E-05		3
-0.43075772E-07 0.19548429E-10-0.92546572E+04	0.10800849E+02			4
c5h10rAqC c 5h 11o 2 G	0300.00	5000.00	1000.00	1
0.18678057E+02 0.23497580E-01-0.65901481E-05	0.91738317E-09	-0.51525516E-13		2
-0.13242098E+05-0.62672020E+02 0.50832539E+01	0.45818452E-01	0.91703050E-05		3
-0.43075772E-07 0.19548429E-10-0.89829160E+04	0.10800845E+02			4
c5h10rBqC c 5h 11o 2 G	0300.00	5000.00	1000.00	1
0.18103209E+02 0.23947487E-01-0.67307633E-05	0.93793984E-09	-0.52691758E-13		2
-0.14132009E+05-0.59289703E+02 0.57950335E+01	0.41689478E-01	0.15292435E-04		3
-0.47076437E-07 0.20611939E-10-0.10165229E+05	0.78172021E+01			4
c5h10qjAqA c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22536865E+02 0.23870159E-01-0.64956016E-05	0.88758306E-09	-0.49379751E-13		2
-0.33566445E+05-0.80749680E+02 0.36972833E+01	0.58210768E-01	0.63013604E-05		3
-0.51754320E-07 0.24379488E-10-0.27888119E+05	0.20090536E+02			4
c5h10qjBqA c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22704323E+02 0.24664732E-01-0.68989102E-05	0.95939101E-09	-0.53895243E-13		2
-0.31704240E+05-0.80100067E+02 0.65857382E+01	0.49265649E-01	0.18251547E-04		3
-0.58334717E-07 0.25693662E-10-0.26595586E+05	0.73948445E+01			4
c5h10qjCqA c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22704323E+02 0.24664732E-01-0.68989102E-05	0.95939101E-09	-0.53895243E-13		2
-0.31704148E+05-0.80099495E+02 0.65332913E+01	0.49625736E-01	0.17395208E-04		3
-0.57487750E-07 0.25396334E-10-0.26589920E+05	0.76178002E+01			4
c5h10qjDqA c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22704323E+02 0.24664732E-01-0.68989102E-05	0.95939101E-09	-0.53895243E-13		2
-0.31975850E+05-0.80098167E+02 0.65110831E+01	0.49780425E-01	0.17022903E-04		3
-0.57115933E-07 0.25264783E-10-0.26859299E+05	0.77129507E+01			4
c5h10qjEqA c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22611748E+02 0.24565097E-01-0.68287231E-05	0.94424624E-09	-0.52776732E-13		2
-0.29581564E+05-0.78584877E+02 0.22531765E+01	0.77434152E-01	-0.50057977E-04		3
0.92221484E-08 0.23948675E-11-0.23806771E+05	0.27421509E+02			4
c5h10qjAqB c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22704323E+02 0.24664732E-01-0.68989102E-05	0.95939101E-09	-0.53895243E-13		2
-0.31704240E+05-0.80100182E+02 0.65857382E+01	0.49265649E-01	0.18251547E-04		3
-0.58334717E-07 0.25693662E-10-0.26595586E+05	0.73947296E+01			4
c5h10qjBqB c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.20487551E+02 0.28428128E-01-0.84972598E-05	0.12383611E-08	-0.71771602E-13		2
-0.35009141E+05-0.71761108E+02 0.40527296E+01	0.54920383E-01	0.17344197E-04		3
-0.63876158E-07 0.29235878E-10-0.30017166E+05	0.16731565E+02			4
c5h10qjCqB c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.24100880E+02 0.23195846E-01-0.63645057E-05	0.87288637E-09	-0.48576699E-13		2
-0.34839512E+05-0.87962540E+02 0.66838330E+00	0.90424120E-01	-0.74138872E-04		3
0.27231698E-07-0.24456429E-11-0.28539984E+05	0.32375317E+02			4
c5h10qjDqB c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.24100880E+02 0.23195846E-01-0.63645057E-05	0.87288637E-09	-0.48576699E-13		2
-0.35111121E+05-0.87960960E+02 0.59372818E+00	0.90938896E-01	-0.75367512E-04		3
0.28450476E-07-0.28745201E-11-0.28803697E+05	0.32693100E+02			4
c5h10qjEqB c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22704323E+02 0.24664732E-01-0.68989102E-05	0.95939101E-09	-0.53895243E-13		2
-0.31975957E+05-0.80100540E+02 0.65706697E+01	0.49368002E-01	0.18010354E-04		3
-0.58097960E-07 0.25611062E-10-0.26865682E+05	0.74584398E+01			4
c5h10qjAqC c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.22704323E+02 0.24664732E-01-0.68989102E-05	0.95939101E-09	-0.53895243E-13		2
-0.31704217E+05-0.79407333E+02 0.65706697E+01	0.49368002E-01	0.18010354E-04		3
-0.58097960E-07 0.25611062E-10-0.26593941E+05	0.81516495E+01			4
c5h10qjBqC c 5h 11o 4 G	0300.00	5000.00	1000.00	1
0.24100880E+02 0.23195846E-01-0.63645057E-05	0.87288637E-09	-0.48576699E-13		2
-0.34839379E+05-0.88654037E+02 0.59372818E+00	0.90938896E-01	-0.75367512E-04		3

0.28450476E-07-0.28745201E-11-0.28531955E+05	0.32000023E+02	4
c5h9oAqA c 5h 10o 30 OG	300.00 5000.00 1000.00	1
-0.76889977E+01 0.68728060E-01-0.29526038E-04	0.55550204E-08-0.38445576E-12	2
-0.46396250E+05 0.84707344E+02-0.15825053E+01	0.79188794E-01-0.58870621E-04	3
0.16979799E-07 0.85144115E-12-0.51054953E+05	0.42619511E+02	4
c5h9oAqB c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.68301406E+01 0.45276750E-01-0.17631643E-04	0.30959562E-08-0.20403075E-12	2
-0.42563062E+05 0.52057114E+01 0.10189350E+01	0.73376060E-01-0.50587420E-04	3
0.12252393E-07 0.12595848E-11-0.42398086E+05	0.30308630E+02	4
c5h9oAqC c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.32461290E+01 0.50813373E-01-0.20346029E-04	0.36429888E-08-0.24340339E-12	2
-0.41764727E+05 0.25726212E+02 0.22568398E+01	0.70007764E-01-0.48333295E-04	3
0.11598830E-07 0.15216308E-11-0.43385512E+05	0.24266018E+02	4
c5h9oAqD c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.32397523E+01 0.50826870E-01-0.20357975E-04	0.36466417E-08-0.24375529E-12	2
-0.42033457E+05 0.25762238E+02 0.21234810E+01	0.70941411E-01-0.50596915E-04	3
0.13877788E-07 0.70879180E-12-0.43643105E+05	0.24829575E+02	4
c5h9oAqE c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.74287076E+01 0.43161303E-01-0.16387514E-04	0.28254508E-08-0.18376212E-12	2
-0.41227148E+05 0.28907776E+01 0.25404897E+01	0.67104273E-01-0.45098775E-04	3
0.11588649E-07 0.66803529E-12-0.41101148E+05	0.23936031E+02	4
c5h9oBqA c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.32062416E+01 0.50021708E-01-0.19799412E-04	0.35172454E-08-0.23373455E-12	2
-0.42666461E+05 0.25951569E+02 0.30796070E+01	0.65284565E-01-0.43594682E-04	3
0.10818820E-07 0.10694418E-11-0.44325527E+05	0.20701454E+02	4
c5h9oBqC c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.83195457E+01 0.42585067E-01-0.16255251E-04	0.28143641E-08-0.18364147E-12	2
-0.46850172E+05-0.37350693E+01 0.81897014E+00	0.72422400E-01-0.48620390E-04	3
0.11425844E-07 0.11917078E-11-0.45907824E+05	0.31207972E+02	4
c5h9oBqD c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.48146667E+01 0.47954872E-01-0.18857243E-04	0.33334702E-08-0.22070384E-12	2
-0.46350164E+05 0.16358330E+02 0.20241070E+01	0.69285154E-01-0.46930687E-04	3
0.11345183E-07 0.12476532E-11-0.47163527E+05	0.25303612E+02	4
c5h9oBqE c 5h 10o 30 OG	300.00 5000.00 1000.00	1
0.85829544E+01 0.41070454E-01-0.15352405E-04	0.26212037E-08-0.16947529E-12	2
-0.45383957E+05-0.41893387E+01 0.23371372E+01	0.66157855E-01-0.43104665E-04	3
0.10687289E-07 0.64402910E-12-0.44610309E+05	0.24851892E+02	4
c5h9oCqA c 5h 10o 30 OG	300.00 5000.00 1000.00	1
-0.42473073E+01 0.62893398E-01-0.26460075E-04	0.49042108E-08-0.33574093E-12	2
-0.40374328E+05 0.67679298E+02 0.19282467E+01	0.70314690E-01-0.50499875E-04	3
0.13774643E-07 0.11378653E-11-0.44759590E+05	0.26293476E+02	4
c5h9oCqB c 5h 10o 30 OG	300.00 5000.00 1000.00	1
-0.49886513E+01 0.65406688E-01-0.28030090E-04	0.52636682E-08-0.36376176E-12	2
-0.41678141E+05 0.70718826E+02 0.20620613E+00	0.77964954E-01-0.59267168E-04	3
0.17677250E-07 0.59496299E-12-0.46034914E+05	0.33516747E+02	4
c5h10o-AB Thergas c 5h 10o 1 G	0300.00 5000.00 1000.00	1
0.21552544E+02 0.14900521E-01-0.39925217E-05	0.53884580E-09-0.29695325E-13	2
-0.26248236E+05-0.90419800E+02-0.69393861E+00	0.60455352E-01-0.31874799E-04	3
0.42285957E-08 0.84971646E-12-0.18583396E+05	0.30189991E+02	4
c5h10o-BC Thergas c 5h 10o 1 G	0300.00 5000.00 1000.00	1
0.18668573E+02 0.19763462E-01-0.60541324E-05	0.89919050E-09-0.52862720E-13	2
-0.27486598E+05-0.75263290E+02-0.10981205E+01	0.64196445E-01-0.37130034E-04	3
0.62698526E-08 0.97800771E-12-0.21126602E+05	0.30337227E+02	4
c5h10o-AC Thergas c 5h 10o 1 G	0300.00 5000.00 1000.00	1
0.56944847E+01 0.43825392E-01-0.18080451E-04	0.33056706E-08-0.22413904E-12	2
-0.24403863E+05-0.78636398E+01-0.87576046E+01	0.10453284E+00-0.12373093E-03	3
0.86439428E-07-0.24114238E-10-0.21094090E+05	0.62346928E+02	4
c5h10o-BD Thergas c 5h 10o 1 G	0300.00 5000.00 1000.00	1
0.56944847E+01 0.43825392E-01-0.18080451E-04	0.33056706E-08-0.22413904E-12	2
-0.24403863E+05-0.78636398E+01-0.87576046E+01	0.10453284E+00-0.12373093E-03	3
0.86439428E-07-0.24114238E-10-0.21094090E+05	0.62346928E+02	4

c5h10o-AD	Thergas	c	5h	10o	1	G	0300.00	5000.00	1000.00	1
-0.13977613E+02	0.78190595E-01	-0.36647951E-04	0.73355220E-08	-0.53103745E-12						2
-0.22985982E+05	0.10428535E+03	-0.30065763E+01	0.79104722E-01	-0.61205654E-04						3
0.18669297E-07	0.56656784E-12	-0.29281148E+05	0.35812504E+02							4
c5h10o-AE	Thergas	c	5h	10o	1	G	0300.00	5000.00	1000.00	1
0.26997976E+02	0.82626529E-02	-0.16632739E-05	0.18021683E-09	-0.84882552E-14						2
-0.39372523E+05	-0.12664341E+03	-0.40734100E+00	0.62871918E-01	-0.34465607E-04						3
0.54845390E-08	0.28399169E-12	-0.29722307E+05	0.22616488E+02							4
Ac5h9o#5		c	5h	9o	1	G	0300.00	5000.00	1000.00	1
-0.10470942E+02	0.67400895E-01	-0.29692994E-04	0.56862679E-08	-0.39856844E-12						2
-0.36789756E+04	0.87453041E+02	-0.24906321E+01	0.77683292E-01	-0.65370317E-04						3
0.23650317E-07	-0.10825002E-11	-0.92622666E+04	0.34066238E+02							4
Dc5h9o#5		c	5h	9o	1	G	0300.00	5000.00	1000.00	1
-0.10640849E+02	0.67008831E-01	-0.29337372E-04	0.55934288E-08	-0.39081173E-12						2
-0.35511182E+04	0.88210236E+02	-0.29632781E+01	0.81959322E-01	-0.78074510E-04						3
0.36931507E-07	-0.57385503E-11	-0.92231953E+04	0.35484444E+02							4
nc5h11o2h		c	5h	12o	2	G	0300.00	5000.00	1000.00	1
0.14560281E+02	0.33323094E-01	-0.11260908E-04	0.17916736E-08	-0.11034781E-12						2
-0.36545762E+05	-0.42767815E+02	0.60165477E+01	0.36220137E-01	0.39013208E-04						3
-0.72076610E-07	0.29212847E-10	-0.33606160E+05	0.55080686E+01							4
c5h9o2h		c	5h	10o	2	G	0300.00	5000.00	1000.00	1
0.14782597E+02	0.27906546E-01	-0.93661038E-05	0.14842662E-08	-0.91231947E-13						2
-0.22487102E+05	-0.43542381E+02	0.29475012E+01	0.55770442E-01	-0.23849587E-04						3
-0.58748939E-08	0.57273786E-11	-0.19080061E+05	0.18587812E+02							4
c5h9e2qc		c	5h	10o	2	G	0300.00	5000.00	1000.00	1
0.14439318E+02	0.29251624E-01	-0.10087457E-04	0.16286520E-08	-0.10135837E-12						2
-0.20634402E+05	-0.42994705E+02	0.38227135E+00	0.70956126E-01	-0.51958712E-04						3
0.16021650E-07	-0.29235552E-12	-0.17032570E+05	0.28589138E+02							4
nc4h9hco	2/29/96	thermc	5h	10o	1	Og	300.000	5000.000	1381.000	41
1.67965163e+01	2.25684519e-02	-7.67631588e-06	1.18769369e-09	-6.87545554e-14						2
-3.56826080e+04	-6.09063312e+01	1.59663472e+00	5.43541416e-02	-3.21020651e-05						3
9.35773559e-09	-1.06688932e-12	-2.99841025e+04	2.21281498e+01							4
nc4h9co	2/29/96	thermc	5h	9o	1	Og	300.000	5000.000	1382.000	41
1.61782939e+01	2.07991920e-02	-7.11787892e-06	1.10559975e-09	-6.41697187e-14						2
-1.66537752e+04	-5.58943579e+01	2.43530238e+00	4.93682376e-02	-2.89883082e-05						3
8.42863812e-09	-9.68287172e-13	-1.14675541e+04	1.92695879e+01							4
c3h7coch3	2/22/96	thermc	5h	10o	1	Og	300.000	5000.000	1383.000	41
1.61841564e+01	2.35245881e-02	-8.09675055e-06	1.26230690e-09	-7.34487839e-14						2
-3.93375474e+04	-5.82980615e+01	1.24037361e+00	5.42494047e-02	-3.14825332e-05						3
9.14492321e-09	-1.07665566e-12	-3.36276472e+04	2.36150068e+01							4
nc3h7coch2	2/22/96	thermc	5h	9o	1	Og	300.000	5000.000	1389.000	31
1.61502419e+01	2.14093466e-02	-7.36059614e-06	1.14656816e-09	-6.66712722e-14						2
-1.76968561e+04	-5.83864884e+01	9.58299271e-01	5.68162532e-02	-3.99112781e-05						3
1.52671514e-08	-2.49221047e-12	-1.23062238e+04	2.34112884e+01							4
nc3h7coch2o2		c	5h	9o	3	OG	300.000	5000.000	1397.000	1
0.54157181E+01	0.42952433E-01	-0.15750606E-04	0.26517366E-08	-0.16970428E-12						2
-0.25683588E+05	0.12367142E+02	0.18712276E+01	0.68332709E-01	-0.52316103E-04						3
0.18470732E-07	-0.12903681E-11	-0.26371352E+05	0.24761251E+02							4
nc3h7coch2o2h		c	5h	10o	3	OG	300.000	5000.000	1397.000	1
0.32062416E+01	0.50021708E-01	-0.19799412E-04	0.35172454E-08	-0.23373455E-12						2
-0.42666461E+05	0.25951569E+02	0.30796070E+01	0.65284565E-01	-0.43594682E-04						3
0.10818820E-07	0.10694418E-11	-0.44325527E+05	0.20701454E+02							4
nc3h7coch2o		c	5h	9o	2	OG	300.000	5000.000	1397.000	1
0.30489545E+01	0.42815499E-01	-0.15822989E-04	0.26788869E-08	-0.17213252E-12						2
-0.24843346E+05	0.21691303E+02	0.43079329E+00	0.64583957E-01	-0.49194728E-04						3
0.18655225E-07	-0.19575899E-11	-0.25622494E+05	0.29815250E+02							4
c3h6coch3-1	2/22/96	thrmc	5h	9o	1	Og	300.000	5000.000	1381.000	41
1.58052948e+01	2.12787457e-02	-7.31842496e-06	1.14049355e-09	-6.63446381e-14						2
-1.42827587e+04	-5.34016678e+01	2.00033269e+00	4.96074565e-02	-2.87470600e-05						3
8.26666830e-09	-9.51074212e-13	-9.01010845e+03	2.22761791e+01							4
ch3coc3h6o2-1	14/04/09	c	5h	9o	3	Og	300.000	5000.000	1000.000	1

0.10502599E+02	0.34717854E-01	-0.11847791E-04	0.18954198E-08	-0.11703724E-12	2	
-0.28320859E+05	-0.16261261E+02	0.11584612E+01	0.69010183E-01	-0.51379146E-04	3	
0.17913694E-07	-0.15714131E-11	-0.26659459E+05	0.28783268E+02		4	
ch3coc3h6o2h-1	14/04/09	c 5h 10o 3 0g	300.000	5000.000	1000.000	1
0.85829544E+01	0.41070454E-01	-0.15352405E-04	0.26212037E-08	-0.16947529E-12	2	
-0.45383957E+05	-0.41893387E+01	0.23371372E+01	0.66157855E-01	-0.43104665E-04	3	
0.10687289E-07	0.64402910E-12	-0.44610309E+05	0.24851892E+02		4	
ch3coc3h6o-1	14/04/09	c 5h 9o 2 0g	300.000	5000.000	1000.000	1
0.82549505E+01	0.34366488E-01	-0.11802034E-04	0.18970125E-08	-0.11754458E-12	2	
-0.27525928E+05	-0.75977020E+01	-0.23651019E+00	0.64951554E-01	-0.47530280E-04	3	
0.17391876E-07	-0.19963909E-11	-0.25915533E+05	0.33643047E+02		4	
c3h6coch3-2	2/22/96	thrmc 5h 9o 1 0g	300.000	5000.000	2017.000	41
1.36994763e+01	2.33997602e-02	-8.20838083e-06	1.30268499e-09	-7.69151198e-14	2	
-1.44773517e+04	-4.04820065e+01	2.20585184e+00	4.59605697e-02	-2.23175553e-05	3	
4.03645332e-09	-1.91585252e-14	-1.02918446e+04	2.24556304e+01		4	
c3h6coch3-3	2/22/96	thrmc 5h 9o 1 0g	300.000	5000.000	1389.000	31
1.57976789e+01	2.17091054e-02	-7.46487769e-06	1.16300253e-09	-6.76366022e-14	2	
-1.89670489e+04	-5.65047695e+01	6.36829393e-01	5.50047719e-02	-3.53220538e-05	3	
1.18237807e-08	-1.65550023e-12	-1.34221768e+04	2.57839238e+01		4	
c2h5coc2h5	2/22/96	thermc 5h 10o 1 0g	300.000	5000.000	1376.000	41
1.67131896e+01	2.24769805e-02	-7.61830162e-06	1.17658492e-09	-6.80456888e-14	2	
-3.96020446e+04	-6.15362004e+01	1.59094611e+00	5.45541559e-02	-3.33407641e-05	3	
1.05931387e-08	-1.42002914e-12	-3.39282740e+04	2.09983080e+01		4	
c2h5coc2h4p	2/22/96	thrmc 5h 9o 1 0g	300.000	5000.000	1376.000	41
1.62000827e+01	2.05106647e-02	-6.96977982e-06	1.07826230e-09	-6.24324406e-14	2	
-1.45067221e+04	-5.52272610e+01	2.39449461e+00	4.98731839e-02	-3.07394387e-05	3	
9.95080260e-09	-1.37570832e-12	-9.32123954e+03	2.01162807e+01		4	
c2h5coc2h4o2		c 5h 9o 3 0G	300.000	5000.000	1397.000	1
-0.16824859E+01	0.54905087E-01	-0.21688951E-04	0.38464245E-08	-0.25524908E-12	2	
-0.23483279E+05	0.52257229E+02	0.75269967E+00	0.73139712E-01	-0.58698821E-04	3	
0.20920682E-07	-0.10489410E-11	-0.26808982E+05	0.30212875E+02		4	
c2h5coc2h4o2h		c 5h 10o 3 0G	300.000	5000.000	1397.000	1
-0.42238784E+01	0.62854938E-01	-0.26445996E-04	0.49027382E-08	-0.33574131E-12	2	
-0.40382742E+05	0.67549568E+02	0.18963666E+01	0.70548639E-01	-0.51094510E-04	3	
0.14400936E-07	0.90495184E-12	-0.44756355E+05	0.26426725E+02		4	
c2h5coc2h4o		c 5h 9o 2 0G	300.000	5000.000	1397.000	1
-0.40753274E+01	0.54841891E-01	-0.21822059E-04	0.38897738E-08	-0.25905057E-12	2	
-0.22637195E+05	0.61712875E+02	-0.79088342E+00	0.70102796E-01	-0.57278114E-04	3	
0.22793607E-07	-0.23106920E-11	-0.26049037E+05	0.35703491E+02		4	
c2h5coc2h4s	2/22/96	thrmc 5h 9o 1 0g	300.000	5000.000	1385.000	41
1.61904470e+01	2.12169293e-02	-7.35412919e-06	1.15187377e-09	-6.72380864e-14	2	
-1.92650763e+04	-5.84937265e+01	1.10728106e+00	5.48902970e-02	-3.67695939e-05	3	
1.32867426e-08	-2.06966690e-12	-1.37435363e+04	2.32804315e+01		4	
c2h5coc2h4qj	11/13/07	c 5h 9o 3 0G	300.000	5000.000	1000.000	31
-0.17583377E+01	0.55035233E-01	-0.21755652E-04	0.38602375E-08	-0.25626303E-12	2	
-0.23453463E+05	0.52680286E+02	0.69369799E+00	0.73542967E-01	-0.59649879E-04	3	
0.21850004E-07	-0.13702839E-11	-0.26802596E+05	0.30463516E+02		4	
ch3chcoc2h4q	11/13/07	c 5h 9o 3 0G	300.000	5000.000	1000.000	31
-0.14162014E+01	0.54571912E-01	-0.21541102E-04	0.38183212E-08	-0.25330337E-12	2	
-0.20838969E+05	0.52371223E+02	0.22790766E+01	0.70479408E-01	-0.58204656E-04	3	
0.22171779E-07	-0.15903023E-11	-0.24587775E+05	0.23485855E+02		4	
ch3chqjccoc2h4q	11/13/07	c 5h 9o 5 0G	300.000	5000.000	1000.000	31
0.92725044E+00	0.58932081E-01	-0.23435967E-04	0.41754116E-08	-0.27795932E-12	2	
-0.35721227E+05	0.45864994E+02	0.90637571E+00	0.89933135E-01	-0.76922297E-04	3	
0.27702171E-07	-0.13638130E-11	-0.39036617E+05	0.34180515E+02		4	
c2h5coc2h3	2/22/96	thermc 5h 8o 1 0g	300.000	5000.000	1387.000	31
1.55916947e+01	1.96028302e-02	-6.79737285e-06	1.06496015e-09	-6.21767189e-14	2	
-2.55988351e+04	-5.53302818e+01	4.89126432e-01	5.49951823e-02	-3.96989101e-05	3	
1.55700373e-08	-2.60070818e-12	-2.02458499e+04	2.59411142e+01		4	
pc2h4coc2h3	2/22/96	thrmc 5h 7o 1 0g	300.000	5000.000	1404.000	31
1.26732841e+01	2.02366192e-02	-6.61089203e-06	9.93878746e-10	-5.63457733e-14	2	

7.74011225e+02-3.54543594e+01 7.62539679e-01 5.35805655e-02-4.36465022e-05	3
1.99232699e-08-3.73335386e-12 4.42260800e+03 2.66604751e+01	4
sc2h4coc2h3 2/22/96 thrmc 5h 7o 1 0g 300.000 5000.000 1389.000	31
1.58074213e+01 1.69721022e-02-5.91317608e-06 9.29449082e-10-5.43903161e-14	2
-5.49230389e+03-5.69867205e+01-1.60114035e-01 5.57954071e-02-4.31353298e-05	3
1.76457444e-08-2.99384261e-12-3.12060218e+01 2.83440609e+01	4
divinket 7/ 9/ 7 ThERMc 5h 6o 1 0G 300.000 5000.000 1397.000	01
1.40969002E+01 1.66372730E-02-5.68150597E-06 8.80987290E-10-5.10645507E-14	2
-1.15279792E+04-4.77941549E+01-5.81115947E-01 5.54674429E-02-4.64651368E-05	3
2.07833582E-08-3.78872500E-12-6.82272285E+03 2.95280694E+01	4
c5h9oh c 5h 10o 1 G 0300.00 5000.00 1000.00	1
0.12603670E+02 0.26696790E-01-0.88122661E-05 0.13779865E-08-0.83808537E-13	2
-0.30240355E+05-0.34318184E+02 0.33559802E+01 0.44081770E-01-0.87931503E-05	3
-0.13929200E-07 0.70754257E-11-0.27296576E+05 0.15480649E+02	4
c5h10qj c 5h 10o 2 G 0300.00 5000.00 1000.00	1
0.12603670E+02 0.26696790E-01-0.88122661E-05 0.13779865E-08-0.83808537E-13	2
-0.30240355E+05-0.34318184E+02 0.33559802E+01 0.44081770E-01-0.87931503E-05	3
-0.13929200E-07 0.70754257E-11-0.27296576E+05 0.15480649E+02	4
c5h8-12 c 5h 8o 00 0G 300.00 5000.00 1000.00	1
0.11702852E+02 0.20550847E-01-0.68724235E-05 0.10855719E-08-0.66538097E-13	2
0.11624912E+05-0.35413887E+02 0.73222780E+00 0.45764759E-01-0.24473251E-04	3
0.33784284E-08 0.98663807E-12 0.15071673E+05 0.22927427E+02	4
c5h8-13 c 5h 8o 00 0G 300.00 5000.00 1000.00	1
0.11111070E+02 0.21904440E-01-0.79576330E-05 0.14096580E-08-0.95583170E-13	2
0.39057420E+04-0.33442260E+02-0.17544870E+01 0.59932510E-01-0.49869920E-04	3
0.21066050E-07-0.30022020E-11 0.73952550E+04 0.32532450E+02	4
c5h8-14 7/ 2/ 7 ThERMc 5h 8 0 0G 300.000 5000.000 1393.000	21
1.35352242E+01 1.85170786E-02-6.26984814E-06 9.66983255E-10-5.58485033E-14	2
6.00118884E+03-4.62552894E+01-1.64766327E+00 5.54190112E-02-4.12156069E-05	3
1.62877209E-08-2.66483052E-12 1.11493804E+04 3.48094470E+01	4
c5h7 c 5h 7o 00 0G 300.00 5000.00 1000.00	1
0.12579770E+02 0.19874560E-01-0.81781220E-05 0.15382900E-08-0.10788240E-12	2
0.20662890E+05-0.42998120E+02 0.35851930E+01 0.17591910E-01 0.56025510E-04	3
-0.87882890E-07 0.36386910E-10 0.24453920E+05 0.99984010E+01	4
c5oBqjA 11/20/07 c 5h 9o 3 0G 300.000 5000.000 1000.000	31
0.54623504E+01 0.42873766E-01-0.15709502E-04 0.26429752E-08-0.16904190E-12	2
-0.25702295E+05 0.12106483E+02 0.17463602E+01 0.69202825E-01-0.54415876E-04	3
0.20575861E-07-0.20384592E-11-0.26358047E+05 0.25289482E+02	4
Cc5oBqA 11/20/07 c 5h 9o 3 0G 300.000 5000.000 1000.000	31
0.61094413E+01 0.41810937E-01-0.15194381E-04 0.25412006E-08-0.16184372E-12	2
-0.23156301E+05 0.10021126E+02 0.23956940E+01 0.72839014E-01-0.67947141E-04	3
0.34523246E-07-0.67289195E-11-0.24054438E+05 0.22004173E+02	4
c5oBqAqjC 11/20/07 c 5h 9o 5 0G 300.000 5000.000 1000.000	31
0.83225765E+01 0.46442643E-01-0.17200686E-04 0.29158942E-08-0.18749409E-12	2
-0.38033980E+05 0.43289032E+01 0.21073031E+01 0.84572539E-01-0.69264512E-04	3
0.24043253E-07-0.12018551E-11-0.38608016E+05 0.28375637E+02	4
Ec5oB 11/20/07 c 5h 9o 1 0G 300.000 5000.000 1000.000	31
0.84112520E+01 0.30479014E-01-0.10173741E-04 0.16042790E-08-0.98178593E-13	2
-0.10652657E+05-0.10425461E+02-0.39275306E+00 0.65943569E-01-0.61506849E-04	3
0.34369855E-07-0.81946819E-11-0.90419854E+04 0.31694725E+02	4
c5oBqjE 11/20/07 c 5h 9o 3 0G 300.000 5000.000 1000.000	31
0.10502599E+02 0.34717854E-01-0.11847791E-04 0.18954198E-08-0.11703724E-12	2
-0.28320859E+05-0.16261261E+02 0.11584612E+01 0.69010183E-01-0.51379146E-04	3
0.17913694E-07-0.15714131E-11-0.26659459E+05 0.28783268E+02	4
Cc5oBqE 11/20/07 c 5h 9o 3 0G 300.000 5000.000 1000.000	31
0.10992082E+02 0.33954728E-01-0.11520006E-04 0.18387609E-08-0.11353867E-12	2
-0.25714953E+05-0.17498596E+02 0.16603444E+01 0.73668070E-01-0.67363348E-04	3
0.34308595E-07-0.71277784E-11-0.24340049E+05 0.26101370E+02	4
c5oBqEqjC 11/20/07 c 5h 9o 5 0G 300.000 5000.000 1000.000	31
0.40521393E+02-0.31900214E-03-0.61855308E-08 0.64174875E-12-0.48531977E-16	2
-0.52406949E+05-0.17898970E+03 0.40966144E+01 0.69623753E-01-0.40500108E-04	3



0.74398181E-08-0.46682330E-12-0.39222012E+05	0.20564930E+02	4
c5elqjE c 5h 9o 2 G	0300.00 5000.00 1000.00	1
0.17036451E+02 0.21085760E-01-0.59852791E-05	0.83724311E-09-0.47007516E-13	2
-0.23901621E+04-0.56846230E+02 0.17722903E+00	0.65953217E-01-0.47740246E-04	3
0.16445126E-07-0.19152533E-11 0.24253323E+04	0.30887608E+02	4
Cc5elqE c 5h 9o 2 G	0300.00 5000.00 1000.00	1
0.16683964E+02 0.21253994E-01-0.60475973E-05	0.85203095E-09-0.48322159E-13	2
-0.39405137E+04-0.52895790E+02 0.19485227E+01	0.59933204E-01-0.41249863E-04	3
0.13616687E-07-0.15544622E-11 0.29947342E+03	0.23936609E+02	4
c5elqEqjC c 5h 9o 4 G	0300.00 5000.00 1000.00	1
0.23257355E+02 0.19122129E-01-0.50626313E-05	0.67521877E-09-0.36796324E-13	2
-0.16073713E+05-0.83020554E+02 0.19898301E+01	0.77482268E-01-0.60069353E-04	3
0.20526699E-07-0.19769295E-11-0.10225527E+05	0.26901392E+02	4
c5eloEqC c 5h 8o 3 G	0300.00 5000.00 1000.00	1
0.38424346E+01 0.44957586E-01-0.18295410E-04	0.33131282E-08-0.22313522E-12	2
-0.26065512E+05 0.22733135E+02 0.26205955E+01	0.64075150E-01-0.45573794E-04	3
0.10795441E-07 0.16164129E-11-0.27548146E+05	0.22740942E+02	4
isoph c 5h 9o 00 OG	300.00 5000.00 1000.00	1
0.14510395E+02 0.17770655E-01-0.48361994E-05	0.65782796E-09-0.36320668E-13	2
0.13614936E+05-0.49167549E+02-0.89688313E+00	0.60992021E-01-0.54763426E-04	3
0.30580047E-07-0.78414688E-11 0.18134416E+05	0.30981623E+02	4
isope c 5h 8o 00 OG	300.00 5000.00 1000.00	1
0.11847440E+02 0.21077490E-01-0.75629260E-05	0.13340700E-08-0.90289560E-13	2
0.35829570E+04-0.37841320E+02-0.26532330E+01	0.69199530E-01-0.71369600E-04	3
0.41371130E-07-0.99420400E-11 0.72526010E+04	0.35224370E+02	4
isopy c 5h 7o 00 OG	300.00 5000.00 1000.00	1
0.10834560E+02 0.20144030E-01-0.78064030E-05	0.14220630E-08-0.97821490E-13	2
0.33047980E+05-0.28380240E+02 0.60308380E+01	0.13099690E-01 0.43335010E-04	3
-0.63177220E-07 0.25208120E-10 0.35415370E+05	0.14829280E+01	4

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c6h14 c 6h 14o 0 G	0300.00 5000.00 1000.00	1
0.97784243E+01 0.43217782E-01-0.15517728E-04	0.25733407E-08-0.16292076E-12	2
-0.27251109E+05-0.26582550E+02-0.44697708E+00	0.66306598E-01-0.22811577E-04	3
-0.10950117E-07 0.77763932E-11-0.24345830E+05	0.27133120E+02	4
Ac6h13 c 6h 13o 0 G	0300.00 5000.00 1000.00	1
0.13815425E+02 0.32867298E-01-0.10277109E-04	0.15470342E-08-0.91690083E-13	2
-0.22371562E+04-0.42272095E+02-0.60901982E+00	0.72525367E-01-0.47735059E-04	3
0.14527513E-07-0.83027671E-12 0.17468357E+04	0.32297169E+02	4
Bc6h13 c 6h 13o 0 G	0300.00 5000.00 1000.00	1
0.11430085E+02 0.36187179E-01-0.11691056E-04	0.18003208E-08-0.10833333E-12	2
-0.23825742E+04-0.28691025E+02 0.27041441E+00	0.67117505E-01-0.38187678E-04	3
0.66859234E-08 0.17654475E-11 0.54798285E+03	0.28618254E+02	4
Cc6h13 c 6h 13o 0 G	0300.00 5000.00 1000.00	1
0.11703730E+02 0.35654236E-01-0.11435824E-04	0.17511803E-08-0.10492785E-12	2
-0.24416934E+04-0.30103668E+02-0.82998407E+00	0.74897267E-01-0.55699576E-04	3
0.22810807E-07-0.35824390E-11 0.65568329E+03	0.33214500E+02	4
c6h12-1 Burcat c 6h 12o 0 G	0200.00 6000.00 1000.00	1
1.60616093E+01 2.75650562E-02-9.32973368E-06	1.49349013E-09-8.98810268E-14	2
-1.28042951E+04-5.69925586E+01 7.31509054E+00	3.71150329E-03 1.27250318E-04	3
-1.71556964E-07 6.89805935E-11-8.20916507E+03	-5.94354365E-01-5.04539654E+03	4
c6h12-2 c 6h 12 0 OG	200.000 6000.000 1000.	1
1.22026584E+01 3.33112698E-02-1.19842937E-05	1.92997393E-09-1.15175007E-13	2
-1.24462369E+04-3.80004425E+01 5.32120633E+00	2.06273139E-02 7.37584289E-05	3
-1.08945044E-07 4.45825285E-11-9.02450060E+03	5.13145237E+00-6.06376082E+03	4
c6h12-3 Burcat A03/05c 6h 12 0 OG	200.000 6000.000 1000.	1
1.22026584E+01 3.33112698E-02-1.19842937E-05	1.92997393E-09-1.15175007E-13	2
-1.24462369E+04-3.80004425E+01 5.32120633E+00	2.06273139E-02 7.37584289E-05	3
-1.08945044E-07 4.45825285E-11-9.02450060E+03	5.13145237E+00-6.06376082E+03	4
Cc6h11-1 orme ThERMc 6h 11 0 OG	300.000 5000.000 1389.000	41

1.77336550E+01	2.48934775E-02	-8.59991450E-06	1.34412828E-09	-7.83475666E-14	2
2.68017174E+03	-6.93471508E+01	-1.55544944E+00	6.76865602E-02	-4.47048635E-05	3
1.52236630E-08	-2.14346377E-12	9.66316695E+03	3.51482658E+01		4
Fc6h11-1	3/19/ 7	ThERMc	6h 11	0 OG	300.000 5000.000 1392.000 41
1.74129892E+01	2.45984185E-02	-8.37352752E-06	1.29588349E-09	-7.50182758E-14	2
1.08613574E+04	-6.25724671E+01	-6.17484828E-01	6.54674092E-02	-4.36872486E-05	3
1.51936842E-08	-2.18414423E-12	1.72739396E+04	3.47490101E+01		4
Ac6h11-3	7/ 9/ 7	ThERMc	6h 11	0 OG	300.000 5000.000 1392.000 41
1.70133131E+01	2.50666461E-02	-8.56223877E-06	1.32807194E-09	-7.69999372E-14	2
9.53859681E+03	-5.96004483E+01	-9.77623834E-01	6.56664597E-02	-4.36212067E-05	3
1.51941737E-08	-2.20544154E-12	1.59778322E+04	3.76093517E+01		4
Bc6h11-3	10/21/08	ThERGc	6h 11	0 OG	300.000 5000.000 1000.000 41
0.15668191E+02	0.24514601E-01	-0.71116242E-05	0.10151393E-08	-0.58044064E-13	2
0.14436641E+04	-0.55309387E+02	0.90552372E+00	0.58025889E-01	-0.34862904E-04	3
0.12531332E-07	-0.25701258E-11	0.63244785E+04	0.23821157E+02		4
c6h10-13	1,3-hexadien	c	6.h 10.	0. 0.G	200.000 6000.000 1000. 1
1.22036500E+01	2.83718594E-02	-1.01536016E-05	1.62760437E-09	-9.68053329E-14	2
9.92055464E+02	-3.55142375E+01	4.33043903E+00	2.50924406E-02	5.32462166E-05	3
-8.82977395E-08	3.75813502E-11	4.31740800E+03	1.10070626E+01	7.03748507E+03	4
c6h10-15		c	6h 100	00 OG	300.00 5000.00 1000.00 1
0.12656940E+02	0.28236120E-01	-0.10406250E-04	0.18530920E-08	-0.12592180E-12	2
0.39164010E+04	-0.38104860E+02	-0.94988270E+00	0.60725200E-01	-0.30414580E-04	3
-0.35837280E-08	0.64369670E-11	0.79947620E+04	0.33574390E+02		4
c6h9		c	6h 90	00 OG	300.00 5000.00 1000.00 1
0.13160150E+02	0.25802720E-01	-0.96709900E-05	0.17371230E-08	-0.11866600E-12	2
0.19108650E+05	-0.40302510E+02	-0.13852650E+01	0.63115940E-01	-0.38862450E-04	3
0.40612180E-08	0.39808900E-11	0.23327010E+05	0.35656570E+02		4
c6h13qjA		c	6h 13o	2 G	0300.00 5000.00 1000.00 1
0.19753206E+02	0.31011760E-01	-0.92592463E-05	0.13480478E-08	-0.78058104E-13	2
-0.21471141E+05	-0.69945694E+02	0.36044836E+00	0.78703247E-01	-0.43905231E-04	3
0.37790731E-08	0.38456759E-11	-0.15767968E+05	0.31854956E+02		4
c6h13qjB		c	6h 13o	2 G	0300.00 5000.00 1000.00 1
0.19821884E+02	0.31155419E-01	-0.93553208E-05	0.13689923E-08	-0.79624302E-13	2
-0.23856195E+05	-0.70633621E+02	0.45876193E+01	0.51254179E-01	0.22703731E-04	3
-0.62104910E-07	0.26559822E-10	-0.18817074E+05	0.12970772E+02		4
c6h13qjC		c	6h 13o	2 G	0300.00 5000.00 1000.00 1
0.19821884E+02	0.31155419E-01	-0.93553208E-05	0.13689923E-08	-0.79624302E-13	2
-0.23584523E+05	-0.70634880E+02	0.46248960E+01	0.50997142E-01	0.23317216E-04	3
-0.62713475E-07	0.26773974E-10	-0.18549344E+05	0.12811635E+02		4
c6h13qA		c	6h 14o	2 G	0300.00 5000.00 1000.00 1
0.19433508E+02	0.34405991E-01	-0.11064304E-04	0.16987168E-08	-0.10203481E-12	2
-0.39132656E+05	-0.66697098E+02	0.10849909E+01	0.79399586E-01	-0.45362638E-04	3
0.77024351E-08	0.15291323E-11	-0.33675320E+05	0.29796513E+02		4
c6h13qB		c	6h 14o	2 G	0300.00 5000.00 1000.00 1
0.41775410E+02	0.28726826E-02	-0.15001140E-06	-0.23930398E-11	0.68109157E-15	2
-0.51207461E+05	-0.19451601E+03	0.28131716E+01	0.71053639E-01	-0.30026202E-04	3
-0.58243177E-09	0.12327464E-11	-0.36478375E+05	0.21268078E+02		4
c6h13qC		c	6h 14o	2 G	0300.00 5000.00 1000.00 1
0.41775410E+02	0.28726826E-02	-0.15001140E-06	-0.23930398E-11	0.68109157E-15	2
-0.50935723E+05	-0.19451601E+03	0.28131716E+01	0.71053639E-01	-0.30026202E-04	3
-0.58243177E-09	0.12327464E-11	-0.36206637E+05	0.21268078E+02		4
c6h13ojA		c	6h 13o	1 G	0300.00 5000.00 1000.00 1
0.22329359E+02	0.23175325E-01	-0.61261067E-05	0.81868035E-09	-0.44813840E-13	2
-0.23050910E+05	-0.88380127E+02	-0.59955579E+00	0.74173234E-01	-0.45430621E-04	3
0.14013833E-07	-0.20070159E-11	-0.15425791E+05	0.34753712E+02		4
c6h13ojB		c	6h 13o	1 G	0300.00 5000.00 1000.00 1
0.38293842E+02	0.21251040E-02	-0.59026089E-07	-0.80007511E-11	0.87491579E-15	2
-0.31134832E+05	-0.18059302E+03	0.20236740E+00	0.70003942E-01	-0.34522280E-04	3
0.58372458E-08	-0.11726545E-11	-0.16721627E+05	0.30231340E+02		4
c6h13ojC		c	6h 13o	1 G	0300.00 5000.00 1000.00 1
0.38301579E+02	0.21125542E-02	-0.52249646E-07	-0.95175309E-11	0.99386431E-15	2

-0.30866305E+05-0.18063777E+03 0.11000224E+00	0.70649818E-01-0.36084373E-04	3
0.74040609E-08-0.17288450E-11-0.16440082E+05	0.30620359E+02	4
c6h12rAqA c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20216894E+02 0.29322056E-01-0.84620951E-05	0.12042758E-08-0.68764147E-13	2
-0.17401254E+05-0.68258171E+02 0.38184139E+00	0.87811686E-01-0.73620686E-04	3
0.34176342E-07-0.65085381E-11-0.12046547E+05	0.33466438E+02	4
c6h12rBqA c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20263323E+02 0.29267546E-01-0.84374215E-05	0.11992916E-08-0.68393025E-13	2
-0.15553697E+05-0.68510544E+02 0.42829424E+00	0.87517455E-01-0.72691124E-04	3
0.33060690E-07-0.60655335E-11-0.10191645E+05	0.33260738E+02	4
c6h12rCqA c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20263323E+02 0.29267546E-01-0.84374215E-05	0.11992916E-08-0.68393025E-13	2
-0.15553697E+05-0.68510544E+02 0.42829424E+00	0.87517455E-01-0.72691124E-04	3
0.33060690E-07-0.60655335E-11-0.10191645E+05	0.33260738E+02	4
c6h12rDqA c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20299438E+02 0.29202862E-01-0.83992354E-05	0.11902291E-08-0.67646613E-13	2
-0.15568283E+05-0.68712166E+02 0.55096954E+00	0.86672686E-01-0.70677124E-04	3
0.31065145E-07-0.53641410E-11-0.10204858E+05	0.32740368E+02	4
c6h12rEqA c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20061436E+02 0.29661173E-01-0.86050841E-05	0.12279292E-08-0.70171869E-13	2
-0.15521076E+05-0.67491661E+02 0.15400746E+01	0.79654016E-01-0.54967455E-04	3
0.16715273E-07-0.63693804E-12-0.10300494E+05	0.28616970E+02	4
c6h12rFqA c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20668734E+02 0.29152649E-01-0.84296089E-05	0.11991450E-08-0.68333360E-13	2
-0.14643715E+05-0.71053604E+02 0.66791296E+00	0.84893547E-01-0.63752275E-04	3
0.23368550E-07-0.26373940E-11-0.91009941E+04	0.32280075E+02	4
c6h12rAqB c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20733065E+02 0.29300919E-01-0.85266856E-05	0.12201634E-08-0.69899788E-13	2
-0.17378699E+05-0.71718170E+02 0.48903136E+01	0.57488881E-01 0.27231795E-05	3
-0.42358813E-07 0.20014471E-10-0.12502015E+05	0.13412024E+02	4
c6h12rBqB c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.19839386E+02 0.29738998E-01-0.86076680E-05	0.12256522E-08-0.69905351E-13	2
-0.20617703E+05-0.66807320E+02 0.53270664E+01	0.56259498E-01-0.53952147E-06	3
-0.36402486E-07 0.17601550E-10-0.16182274E+05	0.11010500E+02	4
c6h12rCqB c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20394571E+02 0.29295260E-01-0.84629955E-05	0.12033156E-08-0.68559348E-13	2
-0.17962867E+05-0.69547142E+02 0.46455007E+01	0.60146067E-01-0.62904305E-05	3
-0.32594993E-07 0.16561400E-10-0.13239803E+05	0.14415103E+02	4
c6h12rDqB c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20410440E+02 0.29267639E-01-0.84471085E-05	0.11996253E-08-0.68260576E-13	2
-0.17969363E+05-0.69635933E+02 0.46455007E+01	0.60146067E-01-0.62904305E-05	3
-0.32594993E-07 0.16561400E-10-0.13239806E+05	0.14415103E+02	4
c6h12rEqB c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20124910E+02 0.29812712E-01-0.87051203E-05	0.12498642E-08-0.71828475E-13	2
-0.17903719E+05-0.68152168E+02 0.57306089E+01	0.52460566E-01 0.11022005E-04	3
-0.48544628E-07 0.21854518E-10-0.13345696E+05	0.98853025E+01	4
c6h12rFqB c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20802357E+02 0.29176645E-01-0.84532348E-05	0.12027163E-08-0.68462021E-13	2
-0.17054236E+05-0.72104462E+02 0.50387607E+01	0.56455944E-01 0.52108185E-05	3
-0.44845862E-07 0.20895341E-10-0.12165589E+05	0.12783851E+02	4
c6h12rAqC c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20802357E+02 0.29176645E-01-0.84532348E-05	0.12027163E-08-0.68462021E-13	2
-0.16782496E+05-0.72104462E+02 0.50387607E+01	0.56455944E-01 0.52108185E-05	3
-0.44845862E-07 0.20895341E-10-0.11893848E+05	0.12783851E+02	4
c6h12rBqC c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20124910E+02 0.29812712E-01-0.87051203E-05	0.12498642E-08-0.71828475E-13	2
-0.17631977E+05-0.68152168E+02 0.57306089E+01	0.52460566E-01 0.11022005E-04	3
-0.48544628E-07 0.21854518E-10-0.13073955E+05	0.98853025E+01	4
c6h12rCqC c 6h 13o 2 G	0300.00 5000.00 1000.00	1
0.20038212E+02 0.29351102E-01-0.84435278E-05	0.11978675E-08-0.68197746E-13	2
-0.20377500E+05-0.67809563E+02 0.42751975E+01	0.63702032E-01-0.17240285E-04	3

-0.21087766E-07	0.12540457E-10	-0.15808020E+05	0.15401323E+02	4					
c6h12rDqC	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
0.20410440E+02	0.29267639E-01	-0.84471085E-05	0.11996253E-08	-0.68260576E-13	2				
-0.17697623E+05	-0.69635933E+02	0.46455007E+01	0.60146067E-01	-0.62904305E-05	3				
-0.32594993E-07	0.16561400E-10	-0.12968065E+05	0.14415103E+02	4					
c6h12rEqC	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
0.20124910E+02	0.29812712E-01	-0.87051203E-05	0.12498642E-08	-0.71828475E-13	2				
-0.17631977E+05	-0.68152168E+02	0.57306089E+01	0.52460566E-01	0.11022005E-04	3				
-0.48544628E-07	0.21854518E-10	-0.13073955E+05	0.98853025E+01	4					
c6h12rFqC	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
0.20802357E+02	0.29176645E-01	-0.84532348E-05	0.12027163E-08	-0.68462021E-13	2				
-0.16782496E+05	-0.72104462E+02	0.50387607E+01	0.56455944E-01	0.52108185E-05	3				
-0.44845862E-07	0.20895341E-10	-0.11893848E+05	0.12783851E+02	4					
c6h12qjAqA	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24744465E+02	0.29395320E-01	-0.82680763E-05	0.11529977E-08	-0.64818891E-13	2				
-0.37138672E+05	-0.90644157E+02	0.36157351E+01	0.69119684E-01	0.16569247E-05	3				
-0.52811760E-07	0.25465340E-10	-0.30795301E+05	0.22226788E+02	4					
c6h12qjBqA	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13	2				
-0.35267891E+05	-0.89850655E+02	0.66562986E+01	0.59124466E-01	0.16118238E-04	3				
-0.61888827E-07	0.27660207E-10	-0.29519117E+05	0.88861017E+01	4					
c6h12qjCqA	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13	2				
-0.35267891E+05	-0.89157524E+02	0.66562986E+01	0.59124466E-01	0.16118238E-04	3				
-0.61888827E-07	0.27660207E-10	-0.29519117E+05	0.95792303E+01	4					
c6h12qjDqA	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13	2				
-0.35267703E+05	-0.89156601E+02	0.65515065E+01	0.59843943E-01	0.14407220E-04	3				
-0.60196534E-07	0.27066131E-10	-0.29507795E+05	0.10024488E+02	4					
c6h12qjEqA	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13	2				
-0.35539500E+05	-0.89155464E+02	0.65816431E+01	0.59639242E-01	0.14889595E-04	3				
-0.60670047E-07	0.27231328E-10	-0.29782828E+05	0.98975019E+01	4					
c6h12qjFqA	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24692474E+02	0.30324316E-01	-0.87426452E-05	0.12425712E-08	-0.70845951E-13	2				
-0.33104664E+05	-0.88470161E+02	0.22642877E+01	0.87695055E-01	-0.53133310E-04	3				
0.65872112E-08	0.40425198E-11	-0.26723791E+05	0.28472984E+02	4					
c6h12qjAqB	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13	2				
-0.35267891E+05	-0.89850647E+02	0.66562986E+01	0.59124466E-01	0.16118238E-04	3				
-0.61888827E-07	0.27660207E-10	-0.29519117E+05	0.88861094E+01	4					
c6h12qjBqB	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.22551825E+02	0.34234878E-01	-0.10444619E-04	0.15429422E-08	-0.90169212E-13	2				
-0.38529996E+05	-0.80872627E+02	0.41035943E+01	0.64903609E-01	0.14941244E-04	3				
-0.67188594E-07	0.31125876E-10	-0.32938410E+05	0.18308067E+02	4					
c6h12qjCqB	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.26256516E+02	0.28828666E-01	-0.82070437E-05	0.11552400E-08	-0.65400105E-13	2				
-0.38394699E+05	-0.98269279E+02	0.30956200E+00	0.10322275E+00	-0.83217157E-04	3				
0.30472563E-07	-0.28335743E-11	-0.31417111E+05	0.34996494E+02	4					
c6h12qjDqB	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.26331821E+02	0.28695367E-01	-0.81290673E-05	0.11368473E-08	-0.63891851E-13	2				
-0.38424891E+05	-0.98688553E+02	0.20904537E+00	0.10391913E+00	-0.84887593E-04	3				
0.32137120E-07	-0.34216217E-11	-0.31406342E+05	0.35422707E+02	4					
c6h12qjEqB	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.26256516E+02	0.28828666E-01	-0.82070437E-05	0.11552400E-08	-0.65400105E-13	2				
-0.38666328E+05	-0.98267281E+02	0.24997532E+00	0.10363517E+00	-0.84204607E-04	3				
0.31454594E-07	-0.31798524E-11	-0.31682465E+05	0.35250637E+02	4					
c6h12qjFqB	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13	2				
-0.35539602E+05	-0.89158104E+02	0.66412301E+01	0.59226818E-01	0.15877047E-04	3				
-0.61652074E-07	0.27577607E-10	-0.29789207E+05	0.96427183E+01	4					

c6h12qjAqC	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13					2
-0.35267863E+05	-0.89850899E+02	0.66412301E+01	0.59226818E-01	0.15877047E-04					3
-0.61652074E-07	0.27577607E-10	-0.29517467E+05	0.89499273E+01						4
c6h12qjBqC	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.26256516E+02	0.28828666E-01	-0.82070437E-05	0.11552400E-08	-0.65400105E-13					2
-0.38394586E+05	-0.98267288E+02	0.24997532E+00	0.10363517E+00	-0.84204607E-04					3
0.31454594E-07	-0.31798524E-11	-0.31410725E+05	0.35250626E+02						4
c6h12qjCqC	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.22502577E+02	0.34321550E-01	-0.10495176E-04	0.15548691E-08	-0.91148531E-13					2
-0.38509656E+05	-0.80596886E+02	0.39184082E+01	0.66178851E-01	0.11898082E-04					3
-0.64167260E-07	0.30061016E-10	-0.32918453E+05	0.19093420E+02						4
c6h12qjDqC	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.26331821E+02	0.28695367E-01	-0.81290673E-05	0.11368473E-08	-0.63891851E-13					2
-0.38153148E+05	-0.97995468E+02	0.20904537E+00	0.10391913E+00	-0.84887593E-04					3
0.32137120E-07	-0.34216217E-11	-0.31134600E+05	0.36115791E+02						4
c6h12qjEqC	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.26256516E+02	0.28828666E-01	-0.82070437E-05	0.11552400E-08	-0.65400105E-13					2
-0.38394586E+05	-0.97574211E+02	0.24997532E+00	0.10363517E+00	-0.84204607E-04					3
0.31454594E-07	-0.31798524E-11	-0.31410725E+05	0.35943710E+02						4
c6h12qjFqC	c	6h	13o	4	G	0300.00	5000.00	1000.00	1
0.24884991E+02	0.30247923E-01	-0.87102862E-05	0.12334272E-08	-0.69960944E-13					2
-0.35267863E+05	-0.89851097E+02	0.66412301E+01	0.59226818E-01	0.15877047E-04					3
-0.61652074E-07	0.27577607E-10	-0.29517467E+05	0.89497280E+01						4
c6h11oAqA	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
-0.57412081E+01	0.74588828E-01	-0.31377713E-04	0.58165845E-08	-0.39831455E-12					2
-0.49849844E+05	0.76310661E+02	-0.18944364E+01	0.91714382E-01	-0.67452325E-04					3
0.19914680E-07	0.49506991E-12	-0.53937723E+05	0.45727139E+02						4
c6h11oAqB	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.85530806E+01	0.51664196E-01	-0.19869245E-04	0.34583445E-08	-0.22650771E-12					2
-0.45950199E+05	-0.20033569E+01	0.77481329E+00	0.85425608E-01	-0.58006721E-04					3
0.14003623E-07	0.13314028E-11	-0.45288047E+05	0.33129765E+02						4
c6h11oAqC	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.49626327E+01	0.57184212E-01	-0.22548358E-04	0.39930632E-08	-0.26467337E-12					2
-0.45145672E+05	0.18565445E+02	0.17758968E+01	0.83694302E-01	-0.59667931E-04					3
0.17238401E-07	0.22502397E-12	-0.46250062E+05	0.28090797E+02						4
c6h11oAqD	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.49626327E+01	0.57184212E-01	-0.22548358E-04	0.39930632E-08	-0.26467337E-12					2
-0.45145672E+05	0.18565445E+02	0.17758968E+01	0.83694302E-01	-0.59667931E-04					3
0.17238401E-07	0.22502397E-12	-0.46250062E+05	0.28090797E+02						4
c6h11oAqE	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.49626327E+01	0.57184212E-01	-0.22548358E-04	0.39930632E-08	-0.26467337E-12					2
-0.45147414E+05	0.18565445E+02	0.17758968E+01	0.83694302E-01	-0.59667931E-04					3
0.17238401E-07	0.22502397E-12	-0.46521805E+05	0.28090797E+02						4
c6h11oAqF	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.88101683E+01	0.50143331E-01	-0.18942672E-04	0.32562220E-08	-0.21142803E-12					2
-0.44480547E+05	-0.24171600E+01	0.23487110E+01	0.78779116E-01	-0.51580759E-04					3
0.12358462E-07	0.11055825E-11	-0.43996586E+05	0.26536936E+02						4
c6h11oBqA	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.49432955E+01	0.56368947E-01	-0.21999969E-04	0.38688066E-08	-0.25522168E-12					2
-0.46057641E+05	0.18669518E+02	0.29456627E+01	0.76562606E-01	-0.49144201E-04					3
0.10688752E-07	0.18118817E-11	-0.47227172E+05	0.23057047E+02						4
c6h11oBqC	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.41605427E+02	0.18008725E-02	-0.88728520E-07	0.38852762E-11	-0.15619135E-15					2
-0.63566289E+05	-0.18997246E+03	0.31409116E+01	0.69825500E-01	-0.30687213E-04					3
-0.23923369E-09	0.12775472E-11	-0.49109355E+05	0.22767229E+02						4
c6h11oBqD	c	6h	12o	3	G	0300.00	5000.00	1000.00	1
0.64458723E+01	0.54484427E-01	-0.21149086E-04	0.37032699E-08	-0.24347568E-12					2
-0.49428570E+05	0.96657867E+01	0.17020814E+01	0.81856683E-01	-0.55555247E-04					3
0.14247986E-07	0.93053473E-12	-0.49773168E+05	0.28457155E+02						4
c6h11oBqE	c	6h	12o	3	G	0300.00	5000.00	1000.00	1

0.64458723E+01	0.54484427E-01	-0.21149086E-04	0.37032699E-08	-0.24347568E-12	2					
-0.49700312E+05	0.96657867E+01	0.17020814E+01	0.81856683E-01	-0.55555247E-04	3					
0.14247986E-07	0.93053473E-12	-0.50044910E+05	0.28457155E+02		4					
c6h11oBqF	c	6h	12o	3	G	0300.00	5000.00	1000.00	1	
0.10402470E+02	0.47308616E-01	-0.17520646E-04	0.29696789E-08	-0.19091231E-12	2					
-0.48812727E+05	-0.11946236E+02	0.20315180E+01	0.78644134E-01	-0.51599589E-04	3					
0.13538892E-07	0.31729472E-12	-0.47493828E+05	0.27932087E+02		4					
c6h11oCqA	c	6h	12o	3	G	0300.00	5000.00	1000.00	1	
-0.26367302E+01	0.69385134E-01	-0.28678889E-04	0.52499680E-08	-0.35627073E-12	2					
-0.43703914E+05	0.61137470E+02	0.17273275E+01	0.82049020E-01	-0.57119454E-04	3					
0.14681574E-07	0.15254496E-11	-0.47653969E+05	0.28933731E+02		4					
c6h11oCqB	c	6h	12o	3	G	0300.00	5000.00	1000.00	1	
-0.32680347E+01	0.71671180E-01	-0.30105617E-04	0.55750569E-08	-0.38150174E-12	2					
-0.45044051E+05	0.63582588E+02	0.16080317E+00	0.88631846E-01	-0.63355787E-04	3					
0.16095633E-07	0.18489784E-11	-0.48946074E+05	0.35496952E+02		4					
c6h11oCqD	c	6h	12o	3	G	0300.00	5000.00	1000.00	1	
-0.32680347E+01	0.71671180E-01	-0.30105617E-04	0.55750569E-08	-0.38150174E-12	2					
-0.45044047E+05	0.63582588E+02	0.16080317E+00	0.88631846E-01	-0.63355787E-04	3					
0.16095633E-07	0.18489784E-11	-0.48946070E+05	0.35496952E+02		4					
c6h11oCqE	c	6h	12o	3	G	0300.00	5000.00	1000.00	1	
-0.68411160E+01	0.77310711E-01	-0.32969230E-04	0.61701773E-08	-0.42539480E-12	2					
-0.44540859E+05	0.83985245E+02	0.12182808E+01	0.86526267E-01	-0.64163592E-04	3					
0.18526839E-07	0.10096173E-11	-0.50186078E+05	0.30216894E+02		4					
c6h11oCqF	c	6h	12o	3	G	0300.00	5000.00	1000.00	1	
-0.24538543E+01	0.69068864E-01	-0.28517543E-04	0.52170095E-08	-0.35389608E-12	2					
-0.43774516E+05	0.60120399E+02	0.17135122E+01	0.82158916E-01	-0.57425153E-04	3					
0.15034768E-07	0.13820448E-11	-0.47652664E+05	0.28990437E+02		4					
c6h12o#3	c	6h	12o	1	G	0300.00	5000.00	1000.00	1	
0.14732866E+02	0.35259135E-01	-0.12458770E-04	0.20448350E-08	-0.12863717E-12	2					
-0.28295033E+05	-0.52044960E+02	-0.66404366E+00	0.71003862E-01	-0.30314273E-04	3					
-0.81550722E-08	0.75825665E-11	-0.23810916E+05	0.28968323E+02		4					
c6h12o#4	c	6h	12o	1	G	0300.00	5000.00	1000.00	1	
0.73783908E+01	0.50220411E-01	-0.20271649E-04	0.36494578E-08	-0.24472937E-12	2					
-0.27495350E+05	-0.13442131E+02	-0.89441986E+01	0.11610021E+00	-0.12974413E-03	3					
0.86496193E-07	-0.23325111E-10	-0.23717439E+05	0.66321281E+02		4					
c6h12o#5	c	6h	12o	1	G	0300.00	5000.00	1000.00	1	
0.15908834E+02	0.35655621E-01	-0.12981614E-04	0.21760254E-08	-0.13891338E-12	2					
-0.39974477E+05	-0.61963875E+02	-0.45810523E+01	0.10196563E+00	-0.92816917E-04	3					
0.43672976E-07	-0.76752901E-11	-0.34894789E+05	0.41234665E+02		4					
c6h12o-AB	Thergas	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.23473751E+02	0.20882014E-01	-0.59693648E-05	0.84287177E-09	-0.47821037E-13	2					
-0.29703732E+05	-0.98704185E+02	-0.10034935E+01	0.72958566E-01	-0.40384049E-04	3					
0.70684938E-08	0.53588899E-12	-0.21466350E+05	0.33288284E+02		4					
c6h12o-BC	Thergas	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.20475368E+02	0.25986295E-01	-0.81840717E-05	0.12359331E-08	-0.73287100E-13	2					
-0.30905229E+05	-0.82932915E+02	-0.13217347E+01	0.76108940E-01	-0.44230786E-04	3					
0.77107325E-08	0.11580350E-11	-0.24018838E+05	0.33070747E+02		4					
c6h12o-CD	Thergas	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.20475368E+02	0.25986295E-01	-0.81840717E-05	0.12359331E-08	-0.73287100E-13	2					
-0.30633488E+05	-0.84319077E+02	-0.13217347E+01	0.76108940E-01	-0.44230786E-04	3					
0.77107325E-08	0.11580350E-11	-0.23747098E+05	0.31684586E+02		4					
c6h12o-AC	Thergas	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.73783908E+01	0.50220411E-01	-0.20271649E-04	0.36494578E-08	-0.24472937E-12	2					
-0.27495350E+05	-0.13442131E+02	-0.89441986E+01	0.11610021E+00	-0.12974413E-03	3					
0.86496193E-07	-0.23325111E-10	-0.23717439E+05	0.66321281E+02		4					
c6h12o-BD	Thergas	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.73783908E+01	0.50220411E-01	-0.20271649E-04	0.36494578E-08	-0.24472937E-12	2					
-0.27495350E+05	-0.13442131E+02	-0.89441986E+01	0.11610021E+00	-0.12974413E-03	3					
0.86496193E-07	-0.23325111E-10	-0.23717439E+05	0.66321281E+02		4					
c6h12o-BE	c	6h	12o	1	G	0300.00	5000.00	1000.00	1	
-0.16735355E+02	0.92947297E-01	-0.43382021E-04	0.86579748E-08	-0.62545466E-12	2					

-0.27097070E+05	0.11939847E+03	-0.34234445E+01	0.93266614E-01	-0.69902169E-04	3	
0.18419314E-07	0.22238203E-11	-0.34738777E+05	0.36417698E+02		4	
c6h12o-AD	c	6h	12o	1	G	
0300.00	5000.00	1000.00			1	
-0.12518517E+02	0.84613368E-01	-0.38571245E-04	0.75679205E-08	-0.53987869E-12	2	
-0.25930486E+05	0.98745682E+02	-0.31399417E+01	0.90367131E-01	-0.66684144E-04	3	
0.18431253E-07	0.13608950E-11	-0.31910967E+05	0.38167152E+02		4	
c6h12o-AE	c	6h	12o	1	G	
0300.00	5000.00	1000.00			1	
-0.12518517E+02	0.84613368E-01	-0.38571245E-04	0.75679205E-08	-0.53987869E-12	2	
-0.28919633E+05	0.96028275E+02	-0.31399417E+01	0.90367131E-01	-0.66684144E-04	3	
0.18431253E-07	0.13608950E-11	-0.34900109E+05	0.35449753E+02		4	
c6oBrE	c	6h	11o	1	G	
0300.00	5000.00	1000.00			1	
0.95019026E+01	0.37435893E-01	-0.12632649E-04	0.20072826E-08	-0.12348339E-12	2	
-0.14910263E+05	-0.13936760E+02	0.25571865E+00	0.72606862E-01	-0.59779381E-04	3	
0.29099608E-07	-0.59902860E-11	-0.13133708E+05	0.30771936E+02		4	
c6oArD	c	6h	11o	1	G	
0300.00	5000.00	1000.00			1	
0.85925674E+01	0.38959295E-01	-0.13333538E-04	0.21381181E-08	-0.13227344E-12	2	
-0.10787228E+05	-0.80679932E+01	-0.70842373E+00	0.81803575E-01	-0.80423291E-04	3	
0.47263374E-07	-0.11715576E-10	-0.95097783E+04	0.34735649E+02		4	
c6oCrF	c	6h	11o	1	G	
0300.00	5000.00	1000.00			1	
-0.19928465E+01	0.56852952E-01	-0.22060156E-04	0.38633146E-08	-0.25410208E-12	2	
-0.92114756E+04	0.50608898E+02	-0.10352753E+01	0.82059510E-01	-0.76060234E-04	3	
0.38905025E-07	-0.75072119E-11	-0.12082103E+05	0.35920418E+02		4	
c6h12o#6	c	6h	12o	1	G	
0300.00	5000.00	1000.00			1	
0.15219727E+02	0.36280558E-01	-0.13197414E-04	0.22091879E-08	-0.14081051E-12	2	
-0.39687445E+05	-0.58245026E+02	-0.38727889E+01	0.95988669E-01	-0.81817307E-04	3	
0.35464407E-07	-0.54472186E-11	-0.34828211E+05	0.38484776E+02		4	
nc6h13o2h	c	6h	14o	2	G	
0300.00	5000.00	1000.00			1	
0.16627819E+02	0.39152514E-01	-0.13238168E-04	0.21037099E-08	-0.12927895E-12	2	
-0.40344570E+05	-0.51220245E+02	0.59706211E+01	0.46877615E-01	0.34982790E-04	3	
-0.73755999E-07	0.30521620E-10	-0.36788828E+05	0.81853294E+01		4	
c6h11o2h	c	6h	12o	2	G	
0300.00	5000.00	1000.00			1	
0.16101555E+02	0.34520049E-01	-0.11653715E-04	0.18512788E-08	-0.11381252E-12	2	
-0.26281617E+05	-0.48384743E+02	0.68202605E+01	0.39484370E-01	0.33711967E-04	3	
-0.65658682E-07	0.26421039E-10	-0.23033857E+05	0.39506123E+01		4	
c5h11hco	2/29/96	thermc	6h	12o	1	0g
300.000	5000.000	1384.000			51	
1.98891043e+01	2.71869340e-02	-9.27391515e-06	1.43744158e-09	-8.33090761e-14	2	
-3.97523444e+04	-7.60741671e+01	1.37517192e+00	6.65669689e-02	-4.04423050e-05	3	
1.23836270e-08	-1.52905857e-12	-3.28740986e+04	2.48343934e+01		4	
c5h11co	2/29/96	thermc	6h	11o	1	0g
300.000	5000.000	1383.000			51	
1.94783812e+01	2.50466029e-02	-8.54861346e-06	1.32557944e-09	-7.68503296e-14	2	
-2.07923937e+04	-7.21995578e+01	2.14479069e+00	6.17863563e-02	-3.74134690e-05	3	
1.13283795e-08	-1.36917698e-12	-1.43451172e+04	2.23128045e+01		4	
hexanone	c	6h	12o	1	G	
0300.00	5000.00	1000.00			1	
0.12179505E+02	0.37140079E-01	-0.13023840E-04	0.21249598E-08	-0.13306825E-12	2	
-0.39913273E+05	-0.31854652E+02	0.37395129E+00	0.67965344E-01	-0.38381633E-04	3	
0.68101591E-08	0.14946949E-11	-0.36564609E+05	0.29580191E+02		4	
c6h7C	c	6h	7o	00	0G	
300.00	5000.00	1000.00			1	
0.14208190E+02	0.21154810E-01	-0.79957600E-05	0.14457800E-08	-0.99207360E-13	2	
0.21922070E+05	-0.54276400E+02	-0.59255600E+01	0.91190910E-01	-0.10607460E-03	3	
0.66699450E-07	-0.17176370E-10	0.26832750E+05	0.46324050E+02		4	
Lc6h7	1/ 7/ 6	ThERMc	6h	7o	0	0G
300.000	5000.000	1000.000			01	
0.16028887E+02	0.14730562E-01	-0.39626420E-05	0.53470384E-09	-0.29373927E-13	2	
0.42962898E+05	-0.56601929E+02	-0.21948254E+01	0.70474595E-01	-0.64999811E-04	3	
0.29102454E-07	-0.50760069E-11	0.47527703E+05	0.35796646E+02		4	
Lc6h6	1/ 7/ 6	ThERMc	6h	6o	0	0G
300.000	5000.000	1399.000			01	
0.14518873E+02	0.16073965E-01	-0.54295829E-05	0.86245544E-09	-0.52996307E-13	2	
0.35583297E+05	-0.48749115E+02	-0.52633297E+00	0.57947949E-01	-0.42171916E-04	3	
0.96946726E-08	0.10167271E-11	0.39516957E+05	0.28465164E+02		4	
Lc6h4	1/ 7/ 6	ThERMc	6h	4o	0	0G
300.000	5000.000	1399.000			01	
0.14412430E+02	0.11626648E-01	-0.40395416E-05	0.65525968E-09	-0.40891962E-13	2	
0.57560609E+05	-0.47552288E+02	0.84271616E+00	0.49124118E-01	-0.36915586E-04	3	

0.87862908E-08 0.76802204E-12 0.61145730E+05 0.22211954E+02 4  
U-c6h5 c 6h 50 00 0G 300.00 5000.00 1000.00 1  
1.72154000E+01 8.62106800E-03-8.22134000E-07-4.75216400E-10 8.84408600E-14 2  
6.40440300E+04-6.37727800E+01 4.85426800E+00 3.03165900E-02 1.74289200E-07 3  
-1.81101000E-08 7.39251100E-12 6.81732300E+04 3.47340700E+00 4

! Base C7

nc7h16 c 7h 16o 0 G 0300.00 5000.00 1000.00 1  
0.11412502E+02 0.49421348E-01-0.17645974E-04 0.29154572E-08-0.18414220E-12 2  
-0.28964750E+05-0.29627792E+02 0.33161920E+00 0.73365703E-01-0.21685577E-04 3  
-0.16159765E-07 0.10064873E-10-0.25790506E+05 0.28787834E+02 4  
Ac7h15 c 7h 15o 0 G 0300.00 5000.00 1000.00 1  
0.15940477E+02 0.38580772E-01-0.12203874E-04 0.18515277E-08-0.11029164E-12 2  
-0.57763359E+04-0.51677505E+02-0.67567056E+00 0.83456106E-01-0.52650659E-04 3  
0.13893792E-07 0.54261093E-13-0.11590713E+04 0.34395603E+02 4  
Bc7h15 c 7h 15o 0 G 0300.00 5000.00 1000.00 1  
0.13477986E+02 0.42041581E-01-0.13701534E-04 0.21241964E-08-0.12847954E-12 2  
-0.58917695E+04-0.37668846E+02 0.24419750E+00 0.77775009E-01-0.42463380E-04 3  
0.54278266E-08 0.28667075E-11-0.23623591E+04 0.30544422E+02 4  
Cc7h15 c 7h 15o 0 G 0300.00 5000.00 1000.00 1  
0.13756789E+02 0.41499116E-01-0.13440502E-04 0.20737412E-08-0.12497342E-12 2  
-0.59530078E+04-0.39110367E+02-0.79508388E+00 0.85131802E-01-0.58961647E-04 3  
0.20543384E-07-0.21247923E-11-0.22612104E+04 0.34881710E+02 4  
Dc7h15 c 7h 15o 0 G 0300.00 5000.00 1000.00 1  
0.13756789E+02 0.41499116E-01-0.13440502E-04 0.20737412E-08-0.12497342E-12 2  
-0.59530078E+04-0.39803444E+02-0.79508388E+00 0.85131802E-01-0.58961647E-04 3  
0.20543384E-07-0.21247923E-11-0.22612104E+04 0.34188629E+02 4  
c7h14-1 Burcat P 4/87c 7.h 14. 0. 0.G 200.000 6000.000 1000. 1  
2.00329343E+01 3.01875580E-02-9.96912897E-06 1.59376458E-09-9.64314031E-14 2  
-1.70512608E+04-7.66778730E+01 8.70539860E+00 2.80074488E-03 1.55206000E-04 3  
-2.09014025E-07 8.40505778E-11-1.12661494E+04-4.46493550E+00-7.54824999E+03 4  
c7h14-2 2/10/95 c 7h 14 0 0g 300.000 5000.000 1390.000 51  
2.06192047e+01 3.14852991e-02-1.07162057e-05 1.65827662e-09-9.59911785e-14 2  
-1.96713162e+04-8.22519387e+01-1.16533279e+00 7.90439806e-02-4.96101666e-05 3  
1.58569009e-08-2.05346433e-12-1.17362359e+04 3.59871070e+01 4  
c7h14-3 2/10/95 c 7h 14 0 0g 300.000 5000.000 1392.000 51  
2.06822750e+01 3.15388629e-02-1.07571215e-05 1.66690260e-09-9.65810393e-14 2  
-1.96450604e+04-8.25235002e+01-2.03026994e+00 8.26324377e-02-5.45514471e-05 3  
1.87705822e-08-2.67571220e-12-1.15141029e+04 4.02316266e+01 4  
c7h12-13 c 7h 12o 00 0G 300.00 5000.00 1000.00 1  
0.17568600E+02 0.29500850E-01-0.96318160E-05 0.14941220E-08-0.90351970E-13 2  
-0.39655290E+04-0.64368450E+02-0.14285510E+01 0.76632810E-01-0.45892160E-04 3  
0.77791240E-08 0.17312890E-11 0.16168500E+04 0.35307040E+02 4  
c7h12-16 1/23/ 8 ThERMc 7h 12 0 0G 300.000 5000.000 1394.000 41  
1.99811850E+01 2.73256602E-02-9.27589536E-06 1.43298085E-09-8.28566088E-14 2  
-2.37987908E+03-7.73522025E+01-1.97047303E+00 7.90571540E-02-5.62070324E-05 3  
2.09665248E-08-3.22821096E-12 5.20521691E+03 4.03931518E+01 4  
Cc7h13-1 9/11/ 3 c 7h 13 0 0G 300.000 5000.000 1390.000 51  
2.02038608e+01 2.93419067e-02-9.98810855e-06 1.54578179e-09-8.94871756e-14 2  
5.39375625e+03-7.64699376e+01-4.54324169e-01 7.47544837e-02-4.75103113e-05 3  
1.54448401e-08-2.04403706e-12 1.28849813e+04 3.55409723e+01 4  
Dc7h13-1 1/24/ 8 ThERMc 7h 13 0 0G 300.000 5000.000 1383.000 51  
2.05321062E+01 2.85988588E-02-9.64125534E-06 1.48314293E-09-8.55245930E-14 2  
5.35259833E+03-7.70635568E+01-3.37870973E-01 7.22549356E-02-4.22499105E-05 3  
1.14646497E-08-1.05306924E-12 1.30682289E+04 3.67608087E+01 4  
Ec7h13-1 1/24/ 8 ThERMc 7h 13 0 0G 300.000 5000.000 1383.000 51  
2.05321062E+01 2.85988588E-02-9.64125534E-06 1.48314293E-09-8.55245930E-14 2  
5.35259833E+03-7.70635568E+01-3.37870973E-01 7.22549356E-02-4.22499105E-05 3  
1.14646497E-08-1.05306924E-12 1.30682289E+04 3.67608087E+01 4



Fc7h13-1	1/24/ 8	ThERMc	7h	13	0	OG	300.000	5000.000	1383.000	51
	2.05321062E+01	2.85988588E-02	-9.64125534E-06	1.48314293E-09	-8.55245930E-14					2
	5.35259833E+03	-7.70635568E+01	-3.37870973E-01	7.22549356E-02	-4.22499105E-05					3
	1.14646497E-08	-1.05306924E-12	1.30682289E+04	3.67608087E+01						4
Dc7h13-2	Thergas	c	7h	13	0	OG	300.000	5000.000	1000.000	1
	0.18532408E+02	0.29077549E-01	-0.85321262E-05	0.12278411E-08	-0.70590167E-13					2
	-0.24075762E+04	-0.68958923E+02	0.64706725E+00	0.70315212E-01	-0.43204149E-04					3
	0.15585531E-07	-0.31062438E-11	0.34339824E+04	0.26660000E+02						4
Ec7h13-3	Thergas	c	7h	13	0	OG	300.000	5000.000	1000.000	1
	0.18533449E+02	0.29151479E-01	-0.85630554E-05	0.12320619E-08	-0.70762826E-13					2
	-0.24521562E+04	-0.69827263E+02	-0.54386389E+00	0.74583620E-01	-0.47406600E-04					3
	0.16501390E-07	-0.28516974E-11	0.35957886E+04	0.31549231E+02						4
Ac7h13-3	1/24/ 8	ThERMc	7h	13	0	OG	300.000	5000.000	1392.000	51
	2.02595343E+01	2.94019199E-02	-1.00312524E-05	1.55475333E-09	-9.00969885E-14					2
	5.42336436E+03	-7.56005591E+01	-1.28816625E+00	7.82039641E-02	-5.22552162E-05					3
	1.82427873E-08	-2.64174309E-12	1.31025026E+04	4.07391378E+01						4
c7h14rohAB	Thergas	c	7h	15o	1	OG	300.000	5000.000	1000.000	1
	0.20698971E+02	0.33696633E-01	-0.98725559E-05	0.14190132E-08	-0.81504024E-13					2
	-0.26692963E+05	-0.73146492E+02	-0.16499925E+01	0.98895051E-01	-0.85952001E-04					3
	0.45696478E-07	-0.11122874E-10	-0.20444488E+05	0.42077171E+02						4
c7h14qjohAB	Thergas	c	7h	15o	3	OG	300.000	5000.000	1000.000	1
	0.45896915E+02	0.58222981E-02	-0.53322441E-06	0.25795534E-10	-0.39857276E-15					2
	-0.55414203E+05	-0.21141504E+03	0.20359340E+01	0.89888103E-01	-0.49061073E-04					3
	0.89672811E-08	-0.62321161E-12	-0.39520984E+05	0.28939226E+02						4
c7h14rohBC	Thergas	c	7h	15o	1	OG	300.000	5000.000	1000.000	1
	0.41978401E+02	0.43258904E-02	-0.33152264E-06	0.15963855E-10	-0.41641889E-15					2
	-0.38399004E+05	-0.19519594E+03	0.75597651E-01	0.90568408E-01	-0.70665265E-04					3
	0.37465313E-07	-0.11440053E-10	-0.23247287E+05	0.33559525E+02						4
c7h14qjohBC	Thergas	c	7h	15o	3	OG	300.000	5000.000	1000.000	1
	0.11544290E+02	0.57450172E-01	-0.20549713E-04	0.33994223E-08	-0.21489031E-12					2
	-0.43327180E+05	-0.16956802E+02	-0.10065804E+01	0.10877351E+00	-0.80857884E-04					3
	0.25605592E-07	-0.92462117E-12	-0.41744852E+05	0.41347656E+02						4
c7h14rohCD	Thergas	c	7h	15o	1	OG	300.000	5000.000	1000.000	1
	0.41948868E+02	0.43795775E-02	-0.36361692E-06	0.23646168E-10	-0.10534741E-14					2
	-0.38115375E+05	-0.19503119E+03	-0.88206828E-01	0.91700561E-01	-0.73374889E-04					3
	0.40160277E-07	-0.12390547E-10	-0.22957961E+05	0.34253792E+02						4
c7h14qjohCD	Thergas	c	7h	15o	3	OG	300.000	5000.000	1000.000	1
	0.11688043E+02	0.57216343E-01	-0.20442554E-04	0.33795984E-08	-0.21357915E-12					2
	-0.43113105E+05	-0.17762909E+02	-0.10589626E+01	0.10915942E+00	-0.81844075E-04					3
	0.26651257E-07	-0.13164128E-11	-0.41467816E+05	0.41566452E+02						4
c7h15qjA	Thergas	c	7h	15o	2	G	0300.00	5000.00	1000.00	1
	0.23393402E+02	0.34374800E-01	-0.10174252E-04	0.14722351E-08	-0.84904421E-13					2
	-0.25646074E+05	-0.87955254E+02	-0.28062588E+00	0.93979754E-01	-0.60533286E-04					3
	0.16474052E-07	-0.67128237E-12	-0.18621359E+05	0.36299694E+02						4
c7h15qjB	Thergas	c	7h	15o	2	G	0300.00	5000.00	1000.00	1
	0.44921665E+02	0.45169112E-02	-0.34210328E-06	0.12650016E-10	-0.23423748E-16					2
	-0.37440883E+05	-0.21136102E+03	0.13364522E+01	0.86409330E-01	-0.47067962E-04					3
	0.10061470E-07	-0.16309480E-11	-0.21412611E+05	0.28243620E+02						4
c7h15qjC	Thergas	c	7h	15o	2	G	0300.00	5000.00	1000.00	1
	0.44911877E+02	0.45366995E-02	-0.35486769E-06	0.15824706E-10	-0.29365086E-15					2
	-0.37165984E+05	-0.21130963E+03	0.14680889E+01	0.85499540E-01	-0.44888893E-04					3
	0.78900690E-08	-0.86276076E-12	-0.21155010E+05	0.27684477E+02						4
c7h15qjD	Thergas	c	7h	15o	2	G	0300.00	5000.00	1000.00	1
	0.44911877E+02	0.45366995E-02	-0.35486769E-06	0.15824706E-10	-0.29365086E-15					2
	-0.37166145E+05	-0.21200342E+03	0.15578123E+01	0.84882416E-01	-0.43419066E-04					3
	0.64345356E-08	-0.35128465E-12	-0.21164686E+05	0.26610418E+02						4
c7h14rAqA	Thergas	c	7h	15o	2	G	0300.00	5000.00	1000.00	1
	0.23944513E+02	0.32530412E-01	-0.92864402E-05	0.13066292E-08	-0.73777417E-13					2
	-0.21611477E+05	-0.86755051E+02	-0.26428804E+00	0.10312117E+00	-0.90321941E-04					3
	0.46938350E-07	-0.11047218E-10	-0.14899463E+05	0.37933216E+02						4
c7h14rBqA	Thergas	c	7h	15o	2	G	0300.00	5000.00	1000.00	1

0.23888094E+02	0.32660786E-01-0.93713870E-05	0.13277813E-08-0.75567882E-13	2
-0.19723086E+05-0.86435310E+02-0.19996403E+00	0.10270103E+00-0.89086010E-04		3
0.45513747E-07-0.10494014E-10-0.13046411E+05	0.37652130E+02		4
c7h14rCqA Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.23888094E+02	0.32660786E-01-0.93713870E-05	0.13277813E-08-0.75567882E-13	2
-0.19723086E+05-0.86435310E+02-0.19996403E+00	0.10270103E+00-0.89086010E-04		3
0.45513747E-07-0.10494014E-10-0.13046411E+05	0.37652130E+02		4
c7h14rDqA Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.23888094E+02	0.32660786E-01-0.93713870E-05	0.13277813E-08-0.75567882E-13	2
-0.19723086E+05-0.86435310E+02-0.19996403E+00	0.10270103E+00-0.89086010E-04		3
0.45513747E-07-0.10494014E-10-0.13046411E+05	0.37652130E+02		4
c7h14rEqA Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.23888094E+02	0.32660786E-01-0.93713870E-05	0.13277813E-08-0.75567882E-13	2
-0.19723086E+05-0.86435310E+02-0.19996403E+00	0.10270103E+00-0.89086010E-04		3
0.45513747E-07-0.10494014E-10-0.13046411E+05	0.37652130E+02		4
c7h14rFqA Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.23615696E+02	0.33179350E-01-0.96121621E-05	0.13737135E-08-0.78769043E-13	2
-0.19661877E+05-0.85022552E+02	0.78662324E+00	0.95704161E-01-0.73440278E-04	3
0.31238994E-07-0.57970490E-11-0.13141836E+05	0.33538815E+02		4
c7h14rGqA Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.24310860E+02	0.32514811E-01-0.93451663E-05	0.13232798E-08-0.75150904E-13	2
-0.18819742E+05-0.89074661E+02-0.37047751E-01	0.10061781E+00-0.81466394E-04		3
0.37156521E-07-0.75437582E-11-0.11947512E+05	0.36995075E+02		4
c7h14rAqB Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.45190552E+02	0.39249966E-02-0.26945162E-06	0.10540411E-10-0.15673087E-15	2
-0.30734975E+05-0.20893950E+03	0.16332978E+01	0.92683263E-01-0.67139903E-04	3
0.29896846E-07-0.82075692E-11-0.15096797E+05	0.28710058E+02		4
c7h14rBqB Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.44392441E+02	0.41862428E-02-0.25222701E-06	0.11902487E-11 0.95383332E-15	2
-0.34010000E+05-0.20455539E+03	0.20146108E+01	0.91834389E-01-0.71306851E-04	3
0.36746279E-07-0.10933351E-10-0.18771375E+05	0.26543888E+02		4
c7h14rCqB Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.44805279E+02	0.40119044E-02-0.26433668E-06	0.70999157E-11 0.16614752E-15	2
-0.31302529E+05-0.20651306E+03	0.14362786E+01	0.95005780E-01-0.75341442E-04	3
0.38841929E-07-0.11368077E-10-0.15839826E+05	0.29511168E+02		4
c7h14rDqB Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.44805279E+02	0.40119044E-02-0.26433668E-06	0.70999157E-11 0.16614752E-15	2
-0.31302529E+05-0.20651306E+03	0.14362786E+01	0.95005780E-01-0.75341442E-04	3
0.38841929E-07-0.11368077E-10-0.15839826E+05	0.29511168E+02		4
c7h14rEqB Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.44805279E+02	0.40119044E-02-0.26433668E-06	0.70999157E-11 0.16614752E-15	2
-0.31302529E+05-0.20651306E+03	0.14362786E+01	0.95005780E-01-0.75341442E-04	3
0.38841929E-07-0.11368077E-10-0.15839826E+05	0.29511168E+02		4
c7h14rFqB Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.44682278E+02	0.42416449E-02-0.33470030E-06	0.20407849E-10-0.86585259E-15	2
-0.31295688E+05-0.20591916E+03	0.25851307E+01	0.86880840E-01-0.56979061E-04	3
0.21848990E-07-0.57071249E-11-0.15952580E+05	0.24711012E+02		4
c7h14rGqB Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.45190552E+02	0.39249966E-02-0.26945162E-06	0.10540411E-10-0.15673087E-15	2
-0.30382717E+05-0.20893950E+03	0.16332978E+01	0.92683263E-01-0.67139903E-04	3
0.29896846E-07-0.82075692E-11-0.14744538E+05	0.28710058E+02		4
c7h14rAqC Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.45181408E+02	0.39412803E-02-0.27884789E-06	0.12650853E-10-0.32101961E-15	2
-0.30107604E+05-0.20888928E+03	0.17774829E+01	0.91677897E-01-0.64711348E-04	3
0.27458762E-07-0.73396367E-11-0.14488153E+05	0.28100180E+02		4
c7h14rBqC Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.44775665E+02	0.40761526E-02-0.23768885E-06	0.25779721E-11 0.10269779E-14	2
-0.31061422E+05-0.20643967E+03	0.24893067E+01	0.87553196E-01-0.58610600E-04	3
0.23489630E-07-0.62904595E-11-0.15670702E+05	0.25115705E+02		4
c7h14rCqC Thergas	c 7h 15o 2 G	0300.00 5000.00 1000.00	1
0.44435394E+02	0.41029528E-02-0.26996420E-06	0.67037964E-11 0.22165611E-15	2

-0.33714309E+05-0.20470654E+03 0.11001769E+01 0.98336764E-01-0.85778898E-04	3
0.49861015E-07-0.15222672E-10-0.18412018E+05 0.30350811E+02	4
c7h14rDqC Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.44839077E+02 0.39527244E-02-0.22995101E-06-0.10338390E-11 0.83561828E-15	2
-0.31044543E+05-0.20670189E+03 0.13982633E+01 0.95270954E-01-0.75980410E-04	3
0.39478863E-07-0.11592266E-10-0.15564044E+05 0.29671926E+02	4
c7h14rEqC Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.44839077E+02 0.39527244E-02-0.22995101E-06-0.10338390E-11 0.83561828E-15	2
-0.31044543E+05-0.20670189E+03 0.13982633E+01 0.95270954E-01-0.75980410E-04	3
0.39478863E-07-0.11592266E-10-0.15564044E+05 0.29671926E+02	4
c7h14rFqC Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.44775665E+02 0.40761526E-02-0.23768885E-06-0.25779721E-11 0.10269779E-14	2
-0.31061422E+05-0.20643967E+03 0.24893067E+01 0.87553196E-01-0.58610600E-04	3
0.23489630E-07-0.62904595E-11-0.15670702E+05 0.25115705E+02	4
c7h14rGqC Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.45181408E+02 0.39412803E-02-0.27884789E-06 0.12650853E-10-0.32101961E-15	2
-0.30107604E+05-0.20888928E+03 0.17774829E+01 0.91677897E-01-0.64711348E-04	3
0.27458762E-07-0.73396367E-11-0.14488153E+05 0.28100180E+02	4
c7h14rAqD Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.45181408E+02 0.39412803E-02-0.27884789E-06 0.12650853E-10-0.32101961E-15	2
-0.30107604E+05-0.20888928E+03 0.17774829E+01 0.91677897E-01-0.64711348E-04	3
0.27458762E-07-0.73396367E-11-0.14488153E+05 0.28100176E+02	4
c7h14rBqD Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.44775665E+02 0.40761526E-02-0.23768885E-06-0.25779721E-11 0.10269779E-14	2
-0.31061422E+05-0.20643967E+03 0.24893067E+01 0.87553196E-01-0.58610600E-04	3
0.23489630E-07-0.62904595E-11-0.15670702E+05 0.25115705E+02	4
c7h14rCqD Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.44839077E+02 0.39527244E-02-0.22995101E-06-0.10338390E-11 0.83561828E-15	2
-0.31044543E+05-0.20670189E+03 0.13982633E+01 0.95270954E-01-0.75980410E-04	3
0.39478863E-07-0.11592266E-10-0.15564044E+05 0.29671926E+02	4
c7h14rDqD Thergas c 7h 15o 2 G 0300.00 5000.00 1000.00	1
0.44435394E+02 0.41029528E-02-0.26996420E-06 0.67037964E-11 0.22165611E-15	2
-0.33714309E+05-0.20539963E+03 0.11001769E+01 0.98336764E-01-0.85778898E-04	3
0.49861015E-07-0.15222672E-10-0.18412018E+05 0.29657728E+02	4
c7h14qjAqA Thergas c 7h 15o 4 G 0300.00 5000.00 1000.00	1
0.46919720E+02 0.69132228E-02-0.71517195E-06 0.41780759E-10-0.10687115E-14	2
-0.49448781E+05-0.21467535E+03 0.55063897E+00 0.10289227E+00-0.64516542E-04	3
0.15435059E-07-0.12050456E-11-0.33409629E+05 0.36722435E+02	4
c7h14qjBqA Thergas c 7h 15o 4 G 0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06 0.10703780E-10 0.62513583E-15	2
-0.48330758E+05-0.22361865E+03 0.31689079E+01 0.95913351E-01-0.57568777E-04	3
0.14180130E-07-0.19112424E-11-0.32089297E+05 0.25159073E+02	4
c7h14qjCqA Thergas c 7h 15o 4 G 0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06 0.10703780E-10 0.62513583E-15	2
-0.48330758E+05-0.22361873E+03 0.31689079E+01 0.95913351E-01-0.57568777E-04	3
0.14180130E-07-0.19112424E-11-0.32089297E+05 0.25158997E+02	4
c7h14qjDqA Thergas c 7h 15o 4 G 0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06 0.10703780E-10 0.62513583E-15	2
-0.48330758E+05-0.22361858E+03 0.31689079E+01 0.95913351E-01-0.57568777E-04	3
0.14180130E-07-0.19112424E-11-0.32089297E+05 0.25159142E+02	4
c7h14qjEqA Thergas c 7h 15o 4 G 0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06 0.10703780E-10 0.62513583E-15	2
-0.48330973E+05-0.22361868E+03 0.32939990E+01 0.95046610E-01-0.55489734E-04	3
0.12108363E-07-0.11792883E-11-0.32102691E+05 0.24629757E+02	4
c7h14qjFqA Thergas c 7h 15o 4 G 0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06 0.10703780E-10 0.62513583E-15	2
-0.48602574E+05-0.22361700E+03 0.32193439E+01 0.95561385E-01-0.56718371E-04	3
0.13327141E-07-0.16081653E-11-0.32366402E+05 0.24947639E+02	4
c7h14qjGqA Thergas c 7h 15o 4 G 0300.00 5000.00 1000.00	1
0.26975155E+02 0.35778895E-01-0.10531483E-04 0.15184778E-08-0.87387000E-13	2
-0.36712527E+05-0.98112724E+02 0.15888191E+01 0.10321960E+00-0.70382222E-04	3

0.19927683E-07-0.71221929E-12-0.29573631E+05	0.33754341E+02	4
c7h14qjAqB Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06	0.10703780E-10 0.62513583E-15	2
-0.48330758E+05-0.22292549E+03 0.31689079E+01	0.95913351E-01-0.57568777E-04	3
0.14180130E-07-0.19112424E-11-0.32089297E+05	0.25852232E+02	4
c7h14qjBqB Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.45227947E+02 0.10077283E-01-0.14244521E-05	0.11222289E-09-0.39730771E-14	2
-0.50915621E+05-0.20731842E+03 0.43764430E+00	0.10315953E+00-0.62971063E-04	3
0.13940753E-07-0.58307591E-12-0.35492223E+05	0.35308372E+02	4
c7h14qjCqB Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.14123916E+02 0.57279505E-01-0.20336662E-04	0.33450687E-08-0.21053912E-12	2
-0.36094477E+05-0.27464142E+02 0.37933916E+00	0.11296361E+00-0.84711312E-04	3
0.25885498E-07-0.35842984E-12-0.34339266E+05	0.36506748E+02	4
c7h14qjDqB Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.14123916E+02 0.57279505E-01-0.20336662E-04	0.33450687E-08-0.21053912E-12	2
-0.36094527E+05-0.26771049E+02 0.40947607E+00	0.11275890E+00-0.84228937E-04	3
0.25411993E-07-0.19323120E-12-0.34342559E+05	0.37071712E+02	4
c7h14qjEqB Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.14123916E+02 0.57279505E-01-0.20336662E-04	0.33450687E-08-0.21053912E-12	2
-0.36094527E+05-0.26770576E+02 0.40947607E+00	0.11275890E+00-0.84228937E-04	3
0.25411993E-07-0.19323120E-12-0.34342559E+05	0.37072186E+02	4
c7h14qjFqB Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.13927637E+02 0.57605498E-01-0.20497164E-04	0.33773853E-08-0.21286956E-12	2
-0.36287090E+05-0.25669113E+02 0.33987576E+00	0.11322224E+00-0.85289197E-04	3
0.26414055E-07-0.52749141E-12-0.34606598E+05	0.37370857E+02	4
c7h14qjGqB Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06	0.10703780E-10 0.62513583E-15	2
-0.48602449E+05-0.22361919E+03 0.31387708E+01	0.96118048E-01-0.58051151E-04	3
0.14653637E-07-0.20764412E-11-0.32357742E+05	0.25286674E+02	4
c7h14qjAqC Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06	0.10703780E-10 0.62513583E-15	2
-0.48330762E+05-0.22292581E+03 0.31689079E+01	0.95913351E-01-0.57568777E-04	3
0.14180130E-07-0.19112424E-11-0.32089299E+05	0.25851910E+02	4
c7h14qjBqC Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.14123916E+02 0.57279505E-01-0.20336662E-04	0.33450687E-08-0.21053912E-12	2
-0.36094582E+05-0.26769402E+02 0.43961298E+00	0.11255420E+00-0.83746556E-04	3
0.24938485E-07-0.28032574E-13-0.34345852E+05	0.36945232E+02	4
c7h14qjCqC Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.45227947E+02 0.10077283E-01-0.14244521E-05	0.11222289E-09-0.39730771E-14	2
-0.50915602E+05-0.20662555E+03 0.42257586E+00	0.10326187E+00-0.63212254E-04	3
0.14177506E-07-0.66567514E-12-0.35490574E+05	0.36065315E+02	4
c7h14qjDqC Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.14123916E+02 0.57279505E-01-0.20336662E-04	0.33450687E-08-0.21053912E-12	2
-0.35822785E+05-0.27464134E+02 0.40947607E+00	0.11275890E+00-0.84228937E-04	3
0.25411993E-07-0.19323120E-12-0.34070816E+05	0.36378628E+02	4
c7h14qjEqC Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.14123916E+02 0.57279505E-01-0.20336662E-04	0.33450687E-08-0.21053912E-12	2
-0.35822785E+05-0.27463646E+02 0.40947607E+00	0.11275890E+00-0.84228937E-04	3
0.25411993E-07-0.19323120E-12-0.34070816E+05	0.36379120E+02	4
c7h14qjFqC Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.13927637E+02 0.57605498E-01-0.20497164E-04	0.33773853E-08-0.21286956E-12	2
-0.36015348E+05-0.26362198E+02 0.33987576E+00	0.11322224E+00-0.85289197E-04	3
0.26414055E-07-0.52749141E-12-0.34334859E+05	0.36677765E+02	4
c7h14qjGqC Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06	0.10703780E-10 0.62513583E-15	2
-0.48330711E+05-0.22292604E+03 0.31387708E+01	0.96118048E-01-0.58051151E-04	3
0.14653637E-07-0.20764412E-11-0.32086002E+05	0.25979818E+02	4
c7h14qjAqD Thergas c 7h 15o 4 G	0300.00 5000.00 1000.00	1
0.48758560E+02 0.54455325E-02-0.43166435E-06	0.10703780E-10 0.62513583E-15	2
-0.48330758E+05-0.22361911E+03 0.31689079E+01	0.95913351E-01-0.57568777E-04	3
0.14180130E-07-0.19112424E-11-0.32089297E+05	0.25158613E+02	4

c7h14qjBqD Thergas	c	7h	15o	4	G	0300.00	5000.00	1000.00	1
0.14123916E+02	0.57279505E-01	-0.20336662E-04	0.33450687E-08	-0.21053912E-12					2
-0.36094582E+05	-0.26769402E+02	0.43961298E+00	0.11255420E+00	-0.83746556E-04					3
0.24938485E-07	-0.28032574E-13	-0.34345852E+05	0.36945232E+02						4
c7h14qjCqD Thergas	c	7h	15o	4	G	0300.00	5000.00	1000.00	1
0.14123916E+02	0.57279505E-01	-0.20336662E-04	0.33450687E-08	-0.21053912E-12					2
-0.35822785E+05	-0.26770576E+02	0.40947607E+00	0.11275890E+00	-0.84228937E-04					3
0.25411993E-07	-0.19323120E-12	-0.34070816E+05	0.37072186E+02						4
c7h14qjDqD Thergas	c	7h	15o	4	G	0300.00	5000.00	1000.00	1
0.45227947E+02	0.10077283E-01	-0.14244521E-05	0.11222289E-09	-0.39730771E-14					2
-0.50915602E+05	-0.20731870E+03	0.42257586E+00	0.10326187E+00	-0.63212254E-04					3
0.14177506E-07	-0.66567514E-12	-0.35490574E+05	0.35372154E+02						4
c7h14o#3	c	7h	14o	1	G	0300.00	5000.00	1000.00	1
0.16806377E+02	0.41090086E-01	-0.14442586E-04	0.23592170E-08	-0.14779973E-12					2
-0.32099486E+05	-0.59844536E+02	-0.94757181E+00	0.83270840E-01	-0.38094015E-04					3
-0.62292478E-08	0.76657543E-11	-0.26967699E+05	0.33349785E+02						4
c7h14o#4	c	7h	14o	1	G	0300.00	5000.00	1000.00	1
0.90986776E+01	0.56584548E-01	-0.22478689E-04	0.40028287E-08	-0.26642490E-12					2
-0.30604881E+05	-0.22008934E+02	-0.90264168E+01	0.12696323E+00	-0.13411828E-03					3
0.84973180E-07	-0.21997879E-10	-0.26352227E+05	0.67078644E+02						4
c7h14o#5	c	7h	14o	1	G	0300.00	5000.00	1000.00	1
0.18016979E+02	0.41417211E-01	-0.14918418E-04	0.24784068E-08	-0.15705009E-12					2
-0.43248656E+05	-0.69954178E+02	-0.46336904E+01	0.11263376E+00	-0.96761600E-04					3
0.41775536E-07	-0.62402917E-11	-0.37532832E+05	0.44637928E+02						4
c7h14o#6	c	7h	14o	1	G	0300.00	5000.00	1000.00	1
0.18053444E+02	0.41352723E-01	-0.14880672E-04	0.24694922E-08	-0.15631805E-12					2
-0.45980504E+05	-0.72874283E+02	-0.48092661E+01	0.11384974E+00	-0.99678691E-04					3
0.44683308E-07	-0.72679709E-11	-0.40231418E+05	0.42664360E+02						4
c7h14o-AB Thergas	c	7h	14o	1	0g	300.000	5000.000	1000.000	1
0.25317547E+02	0.27014595E-01	-0.80344398E-05	0.11650484E-08	-0.67199447E-13					2
-0.33132359E+05	-0.10656684E+03	-0.12610518E+01	0.85094646E-01	-0.47995236E-04					3
0.89957570E-08	0.55070678E-12	-0.24354779E+05	0.36167255E+02						4
c7h14o-AC 2/10/95	c	7h	14o	1	0g	300.000	5000.000	1397.000	41
2.33840162e+01	3.26747680e-02	-1.12496957e-05	1.75424237e-09	-1.02088356e-13					2
-3.35320676e+04	-9.93857329e+01	-6.65407598e+00	1.06857688e-01	-8.28600373e-05					3
3.37794034e-08	-5.65586099e-12	-2.34614627e+04	6.05805871e+01						4
c7h14o-AD Thergas	c	7h	14o	1	0g	300.000	5000.000	1000.000	1
-0.10861847E+02	0.90801008E-01	-0.40454895E-04	0.78092146E-08	-0.55053195E-12					2
-0.29241203E+05	0.92055550E+02	-0.35963786E+01	0.10388426E+00	-0.77614015E-04					3
0.23669205E-07	0.20558646E-12	-0.34778145E+05	0.41888092E+02						4
c7h14o-AE Thergas	c	7h	14o	1	0g	300.000	5000.000	1000.000	1
-0.10861847E+02	0.90801008E-01	-0.40454895E-04	0.78092146E-08	-0.55053195E-12					2
-0.31958609E+05	0.89338150E+02	-0.35963786E+01	0.10388426E+00	-0.77614015E-04					3
0.23669205E-07	0.20558646E-12	-0.37495551E+05	0.39170692E+02						4
c7h14o-BC Thergas	c	7h	14o	1	0g	300.000	5000.000	1000.000	1
0.22146355E+02	0.32465883E-01	-0.10475869E-04	0.16118943E-08	-0.96946343E-13					2
-0.34271602E+05	-0.89852501E+02	-0.15398868E+01	0.87977059E-01	-0.51212352E-04					3
0.90239594E-08	0.13851446E-11	-0.26911557E+05	0.35782116E+02						4
c7h14o-BD 2/10/95	c	7h	14o	1	0g	300.000	5000.000	1400.000	41
2.39263696e+01	3.19760128e-02	-1.09563797e-05	1.70304471e-09	-9.88892529e-14					2
-3.57770124e+04	-1.02450761e+02	-6.14247505e+00	1.06851133e-01	-8.34772177e-05					3
3.40576579e-08	-5.66867936e-12	-2.58080917e+04	5.73755835e+01						4
c7h14o-BE Thergas	c	7h	14o	1	0g	300.000	5000.000	1000.000	1
-0.14940094E+02	0.98773286E-01	-0.44981825E-04	0.88201961E-08	-0.62896059E-12					2
-0.30170373E+05	0.11338042E+03	-0.36267824E+01	0.10504738E+00	-0.76716671E-04					3
0.19612241E-07	0.24764450E-11	-0.37361543E+05	0.40450455E+02						4
c7h14o-BF Thergas	c	7h	14o	1	0g	300.000	5000.000	1000.000	1
-0.14940094E+02	0.98773286E-01	-0.44981825E-04	0.88201961E-08	-0.62896059E-12					2
-0.33159516E+05	0.11066302E+03	-0.36267824E+01	0.10504738E+00	-0.76716671E-04					3
0.19612241E-07	0.24764450E-11	-0.40350684E+05	0.37733055E+02						4
c7h14o-CD Thergas	c	7h	14o	1	0g	300.000	5000.000	1000.000	1

0.22146355E+02	0.32465883E-01	-0.10475869E-04	0.16118943E-08	-0.96946343E-13	2	
-0.33999863E+05	-0.89852501E+02	-0.15398868E+01	0.87977059E-01	-0.51212352E-04	3	
0.90239594E-08	0.13851446E-11	-0.26639816E+05	0.35782116E+02		4	
c7h14o-CE	2/10/95	c 7h 14o 1 0g	300.000	5000.000	1400.000	41
2.39263696e+01	3.19760128e-02	-1.09563797e-05	1.70304471e-09	-9.88892529e-14		2
-3.57770124e+04	-1.02450761e+02	-6.14247505e+00	1.06851133e-01	-8.34772177e-05		3
3.40576579e-08	-5.66867936e-12	-2.58080917e+04	5.73755835e+01			4
nc7h15o2h		c 7h 16o 2 G	0300.00	5000.00	1000.00	1
0.18558531E+02	0.45223482E-01	-0.15356611E-04	0.24489846E-08	-0.15092975E-12		2
-0.43816480E+05	-0.59602539E+02	0.60635042E+01	0.56569051E-01	0.33279488E-04		3
-0.77762287E-07	0.32654605E-10	-0.39714562E+05	0.95821352E+01			4
c7h13o2h		c 7h 14o 2 G	0300.00	5000.00	1000.00	1
0.18109594E+02	0.40456213E-01	-0.13694291E-04	0.21783972E-08	-0.13398931E-12		2
-0.29785172E+05	-0.57199608E+02	0.68900800E+01	0.49336571E-01	0.31621406E-04		3
-0.69279082E-07	0.28418179E-10	-0.25957135E+05	0.54449635E+01			4
c7h13oAqA	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
-0.41199965E+01	0.81059322E-01	-0.33583805E-04	0.61593375E-08	-0.41859853E-12		2
-0.53183094E+05	0.69710876E+02	-0.20290637E+01	0.10299427E+00	-0.72993702E-04		3
0.19758369E-07	0.12546486E-11	-0.56839277E+05	0.48085903E+02			4
c7h13oAqB	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.10055791E+02	0.58433264E-01	-0.22306607E-04	0.38629016E-08	-0.25212970E-12		2
-0.49251434E+05	-0.79864883E+01	0.58466530E+00	0.97080760E-01	-0.64426204E-04		3
0.14702011E-07	0.17956256E-11	-0.48183516E+05	0.35725052E+02			4
c7h13oAqC	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.68146224E+01	0.63339196E-01	-0.24655281E-04	0.43262518E-08	-0.28487976E-12		2
-0.48582660E+05	0.10640205E+02	0.17573360E+01	0.94195053E-01	-0.63410480E-04		3
0.15365915E-07	0.15628359E-11	-0.49164363E+05	0.29954626E+02			4
c7h13oAqD	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.68146224E+01	0.63339196E-01	-0.24655281E-04	0.43262518E-08	-0.28487976E-12		2
-0.48582660E+05	0.10640205E+02	0.17573360E+01	0.94195053E-01	-0.63410480E-04		3
0.15365915E-07	0.15628359E-11	-0.49164363E+05	0.29954626E+02			4
c7h13oAqE	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.68146224E+01	0.63339196E-01	-0.24655281E-04	0.43262518E-08	-0.28487976E-12		2
-0.48582660E+05	0.10640205E+02	0.17573360E+01	0.94195053E-01	-0.63410480E-04		3
0.15365915E-07	0.15628359E-11	-0.49164363E+05	0.29954626E+02			4
c7h13oAqF	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.65449371E+01	0.63804850E-01	-0.24902043E-04	0.43793089E-08	-0.28891559E-12		2
-0.48747801E+05	0.12144302E+02	0.17039071E+01	0.94535515E-01	-0.64148109E-04		3
0.16018999E-07	0.13609833E-11	-0.49429984E+05	0.30184950E+02			4
c7h13oAqG	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.10746850E+02	0.56194447E-01	-0.21036287E-04	0.35940380E-08	-0.23241703E-12		2
-0.47955117E+05	-0.10830147E+02	0.20587246E+01	0.91177449E-01	-0.59923517E-04		3
0.15124380E-07	0.78439382E-12	-0.46882031E+05	0.29548262E+02			4
c7h13oBqA	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.67901912E+01	0.62539011E-01	-0.24117238E-04	0.42043031E-08	-0.27558980E-12		2
-0.49493656E+05	0.10770271E+02	0.26199572E+01	0.89184307E-01	-0.57956753E-04		3
0.13851823E-07	0.13762410E-11	-0.50108477E+05	0.26222891E+02			4
c7h13oBqC	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.45489555E+02	0.44077593E-02	-0.39101283E-06	0.21313550E-10	-0.60355910E-15		2
-0.67786656E+05	-0.20918715E+03	0.29112494E+01	0.81857376E-01	-0.38328377E-04		3
0.20593687E-08	0.10240022E-11	-0.52001805E+05	0.25516926E+02			4
c7h13oBqD	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.82186480E+01	0.60793452E-01	-0.23357892E-04	0.40622234E-08	-0.26587407E-12		2
-0.52835156E+05	0.21772842E+01	0.15546507E+01	0.93248300E-01	-0.61428938E-04		3
0.14494288E-07	0.15211230E-11	-0.52673648E+05	0.30867115E+02			4
c7h13oBqE	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.82186480E+01	0.60793452E-01	-0.23357892E-04	0.40622234E-08	-0.26587407E-12		2
-0.52835156E+05	0.21772842E+01	0.15546507E+01	0.93248300E-01	-0.61428938E-04		3
0.14494288E-07	0.15211230E-11	-0.52673648E+05	0.30867115E+02			4
c7h13oBqF	Thergas	c 7h 14o 3 G	0300.00	5000.00	1000.00	1
0.82186480E+01	0.60793452E-01	-0.23357892E-04	0.40622234E-08	-0.26587407E-12		2

-0.53106895E+05	0.21772842E+01	0.15546507E+01	0.93248300E-01	-0.61428938E-04	3					
0.14494288E-07	0.15211230E-11	-0.52945387E+05	0.30867115E+02		4					
c7h13oBqG	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
0.12047176E+02	0.53854626E-01	-0.19862749E-04	0.33578831E-08	-0.21552881E-12	2					
-0.52172117E+05	-0.18729332E+02	0.17982396E+01	0.90619296E-01	-0.58842757E-04	3					
0.15116978E-07	0.44950821E-12	-0.50384961E+05	0.30707191E+02		4					
c7h13oCqA	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.82995027E+00	0.75562038E-01	-0.30756626E-04	0.55703624E-08	-0.37517193E-12	2					
-0.47112914E+05	0.53493481E+02	0.13843561E+01	0.94782956E-01	-0.66182307E-04	3					
0.18075669E-07	0.10142453E-11	-0.50533328E+05	0.32173725E+02		4					
c7h13oCqB	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.14205081E+01	0.77749796E-01	-0.32102991E-04	0.58728529E-08	-0.39836873E-12	2					
-0.48465938E+05	0.55723015E+02	-0.35512835E+00	0.10256925E+00	-0.75315525E-04	3					
0.22383103E-07	0.31442882E-12	-0.51806988E+05	0.39468834E+02		4					
c7h13oCqD	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.13408147E+01	0.77609472E-01	-0.32024709E-04	0.58552172E-08	-0.39697613E-12	2					
-0.48497754E+05	0.55278328E+02	-0.15882219E+00	0.10120784E+00	-0.72047580E-04	3					
0.19125622E-07	0.14651040E-11	-0.51827992E+05	0.38637489E+02		4					
c7h13oCqE	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.51406007E+01	0.83614781E-01	-0.35064513E-04	0.64851395E-08	-0.44334276E-12	2					
-0.47628621E+05	0.76958145E+02	0.93298864E+00	0.98839752E-01	-0.72162977E-04	3					
0.20804139E-07	0.91319563E-12	-0.52799598E+05	0.33215393E+02		4					
c7h13oCqF	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.51406007E+01	0.83614781E-01	-0.35064513E-04	0.64851395E-08	-0.44334276E-12	2					
-0.47900359E+05	0.76958145E+02	0.93298864E+00	0.98839752E-01	-0.72162977E-04	3					
0.20804139E-07	0.91319563E-12	-0.53071340E+05	0.33215393E+02		4					
c7h13oCqG	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.82995027E+00	0.75562038E-01	-0.30756626E-04	0.55703624E-08	-0.37517193E-12	2					
-0.47112914E+05	0.53493473E+02	0.13843561E+01	0.94782956E-01	-0.66182307E-04	3					
0.18075669E-07	0.10142453E-11	-0.50533328E+05	0.32173717E+02		4					
c7h13oDqA	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.82995027E+00	0.75562038E-01	-0.30756626E-04	0.55703624E-08	-0.37517193E-12	2					
-0.47112914E+05	0.53493473E+02	0.13843561E+01	0.94782956E-01	-0.66182307E-04	3					
0.18075669E-07	0.10142453E-11	-0.50533328E+05	0.32173717E+02		4					
c7h13oDqB	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.51406007E+01	0.83614781E-01	-0.35064513E-04	0.64851395E-08	-0.44334276E-12	2					
-0.47900359E+05	0.76958130E+02	0.93298864E+00	0.98839752E-01	-0.72162977E-04	3					
0.20804139E-07	0.91319563E-12	-0.53071336E+05	0.33215385E+02		4					
c7h13oDqC	Thergas	c	7h	14o	3	G	0300.00	5000.00	1000.00	1
-0.13408147E+01	0.77609472E-01	-0.32024709E-04	0.58552172E-08	-0.39697613E-12	2					
-0.48497754E+05	0.55278328E+02	-0.15882219E+00	0.10120784E+00	-0.72047580E-04	3					
0.19125622E-07	0.14651040E-11	-0.51827992E+05	0.38637489E+02		4					
c6h13hco		c	7h	14o	1	G	0300.00	5000.00	1000.00	1
0.14832831E+02	0.42191949E-01	-0.14674234E-04	0.23796207E-08	-0.14834138E-12	2					
-0.39982094E+05	-0.43669754E+02	0.28977060E+00	0.81262469E-01	-0.48522768E-04	3					
0.10197268E-07	0.13261417E-11	-0.35940754E+05	0.31669395E+02		4					
c6h13co		c	7h	13o	1	G	0300.00	5000.00	1000.00	1
0.21888067E+02	0.17680371E-01	-0.45973793E-05	0.60718119E-09	-0.32980075E-13	2					
-0.31535605E+05	-0.78729637E+02	0.63410324E+00	0.80357298E-01	-0.71632960E-04	3					
0.30559153E-07	-0.43843913E-11	-0.25892623E+05	0.30032263E+02		4					
heptanone		c	7h	14o	1	G	0300.00	5000.00	1000.00	1
0.14112068E+02	0.43220736E-01	-0.15153935E-04	0.24738356E-08	-0.15505617E-12	2					
-0.43389070E+05	-0.40253830E+02	0.24841607E-01	0.80699012E-01	-0.47310896E-04	3					
0.99093880E-08	0.11545299E-11	-0.39442801E+05	0.32851570E+02		4					
c6h11hco		c	7h	12o	10	OG	300.00	5000.00	1000.00	1
0.11528383E+02	0.42176731E-01	-0.15288200E-04	0.25529086E-08	-0.16244418E-12	2					
-0.24830617E+05	-0.25402847E+02	0.63094932E+00	0.73500216E-01	-0.43179643E-04	3					
0.88242187E-08	0.99969967E-12	-0.22098035E+05	0.30115221E+02		4					
c6h11co		c	7h	11o	10	OG	300.00	5000.00	1000.00	1
0.13349758E+02	0.35031658E-01	-0.11402005E-04	0.17652914E-08	-0.10663082E-12	2					
-0.74649297E+04	-0.33384865E+02	0.10643209E+01	0.71520865E-01	-0.49151753E-04	3					

0.17507743E-07-0.23133568E-11-0.43351152E+04	0.29169792E+02	4
p2c4h614 c 7h 13o 00 0G	300.00 3000.00 1000.00	1
0.19672320E+02 0.27687470E-01-0.79897730E-05	0.11365280E-08-0.64848860E-13	2
0.60075160E+04-0.73268260E+02-0.35493880E+01	0.93466240E-01-0.78503050E-04	3
0.36474530E-07-0.74456470E-11 0.12485930E+05	0.46685370E+02	4
p2c4h513 c 7h 12o 00 0G	300.00 3000.00 1000.00	1
0.17810300E+02 0.29455120E-01-0.96432360E-05	0.14973100E-08-0.90522930E-13	2
-0.41163220E+04-0.66349990E+02-0.21090900E+01	0.81644630E-01-0.53366480E-04	3
0.11908060E-07 0.93417400E-12 0.14750950E+04	0.37193940E+02	4
P2c4h4134 c 7h 11o 00 0G	300.00 3000.00 1000.00	1
0.18452930E+02 0.24773082E-01-0.71930749E-05	0.10243644E-08-0.58311944E-13	2
0.11457330E+05-0.68984505E+02-0.18032148E+01	0.82243092E-01-0.66798581E-04	3
0.28468435E-07-0.51140979E-11 0.16997111E+05	0.35388664E+02	4
c7h15qA Thergas c 7h 16o 2 G	0300.00 5000.00 1000.00	1
0.22259567E+02 0.39039500E-01-0.12527654E-04	0.19213278E-08-0.11536549E-12	2
-0.42969816E+05-0.80113808E+02 0.78303146E+00	0.91929533E-01-0.54194406E-04	3
0.11186543E-07 0.85612843E-12-0.36559984E+05	0.32852917E+02	4
c7h15qB Thergas c 7h 16o 2 G	0300.00 5000.00 1000.00	1
0.45540085E+02 0.56950124E-02-0.56391104E-06	0.30786974E-10-0.67499420E-15	2
-0.55382578E+05-0.21307001E+03 0.25284660E+01	0.83489791E-01-0.38689272E-04	3
0.27794507E-08 0.59041736E-12-0.39365277E+05	0.24247658E+02	4
c7h15qC Thergas c 7h 16o 2 G	0300.00 5000.00 1000.00	1
0.45540085E+02 0.56950124E-02-0.56391104E-06	0.30786974E-10-0.67499420E-15	2
-0.55110836E+05-0.21307001E+03 0.25284660E+01	0.83489791E-01-0.38689272E-04	3
0.27794507E-08 0.59041736E-12-0.39093539E+05	0.24247658E+02	4
c7h15qD Thergas c 7h 16o 2 G	0300.00 5000.00 1000.00	1
0.45540085E+02 0.56950124E-02-0.56391104E-06	0.30786974E-10-0.67499420E-15	2
-0.55110836E+05-0.21376309E+03 0.25284660E+01	0.83489791E-01-0.38689272E-04	3
0.27794507E-08 0.59041736E-12-0.39093539E+05	0.23554575E+02	4
c7h15ojA Thergas c 7h 15o 1 G	0300.00 5000.00 1000.00	1
0.20147518E+02 0.35569735E-01-0.10786423E-04	0.15909123E-08-0.93105482E-13	2
-0.24435533E+05-0.73650505E+02-0.19387127E+01	0.91656856E-01-0.60571478E-04	3
0.19492074E-07-0.22175178E-11-0.17848250E+05	0.42285233E+02	4
c7h15ojB Thergas c 7h 15o 1 G	0300.00 5000.00 1000.00	1
0.42201836E+02 0.46893391E-02-0.33688048E-06	0.41088756E-11 0.84469582E-15	2
-0.35364449E+05-0.19993668E+03-0.13810614E+00	0.82815491E-01-0.44061620E-04	3
0.10052279E-07-0.21107768E-11-0.19602391E+05	0.33452026E+02	4
c7h15ojC Thergas c 7h 15o 1 G	0300.00 5000.00 1000.00	1
0.42201836E+02 0.46893391E-02-0.33688048E-06	0.41088756E-11 0.84469582E-15	2
-0.35092617E+05-0.19993794E+03-0.19026795E+00	0.83179429E-01-0.44940767E-04	3
0.10933971E-07-0.24239736E-11-0.19325100E+05	0.33671124E+02	4
c7h15ojD Thergas c 7h 15o 1 G	0300.00 5000.00 1000.00	1
0.42201836E+02 0.46893391E-02-0.33688048E-06	0.41088756E-11 0.84469582E-15	2
-0.35092617E+05-0.20063135E+03-0.19026795E+00	0.83179429E-01-0.44940767E-04	3
0.10933971E-07-0.24239736E-11-0.19325100E+05	0.32977711E+02	4

! Base C8

! Base C8

nc8h18 Burcat P 4/85c 8.h 18. 0. 0.G	200.000 6000.000 1000.	1
2.09430708E+01 4.41691018E-02-1.53261633E-05	2.30544803E-09-1.29765727E-13	2
-3.55755088E+04-8.10637726E+01 1.25245480E+01-1.01018826E-02	2.21992610E-04	3
-2.84863722E-07 1.12410138E-10-2.98434398E+04-1.97109989E+01	-2.51067110E+04	4
Ac8h17 c 8h 17o 0 G	0300.00 5000.00 1000.00	1
0.17711723E+02 0.44938747E-01-0.14443744E-04	0.22178346E-08-0.13328675E-12	2
-0.91992578E+04-0.59223930E+02-0.41161755E+00	0.92210799E-01-0.52641371E-04	3
0.85863769E-08 0.25689132E-11-0.41119761E+04	0.34996040E+02	4
Bc8h17 c 8h 17o 0 G	0300.00 5000.00 1000.00	1
0.15256751E+02 0.48388578E-01-0.15932041E-04	0.24870652E-08-0.15109519E-12	2



-0.93191055E+04-0.45259941E+02 0.53211296E+00	0.86344220E-01-0.41959614E-04	3
-0.41950546E-09 0.55876358E-11-0.53175322E+04	0.31046585E+02	4
Cc8h17 c 8h 17o 0 G	0300.00 5000.00 1000.00	1
0.15473525E+02 0.47954667E-01-0.15733860E-04	0.24514557E-08-0.14881331E-12	2
-0.93548457E+04-0.46354050E+02-0.66160369E+00	0.94780222E-01-0.61068029E-04	3
0.17316298E-07-0.33548769E-12-0.51999800E+04	0.36036736E+02	4
Dc8h17 c 8h 17o 0 G	0300.00 5000.00 1000.00	1
0.15473525E+02 0.47954667E-01-0.15733860E-04	0.24514557E-08-0.14881331E-12	2
-0.93548457E+04-0.46354050E+02-0.66160369E+00	0.94780222E-01-0.61068029E-04	3
0.17316298E-07-0.33548769E-12-0.51999800E+04	0.36036736E+02	4
c8h16-1 Burcat n 4/87c 8h 16 0 OG	200.000 6000.000 1000.000	1
2.43378771E+01 3.22574569E-02-1.03389736E-05	1.65359772E-09-1.00909018E-13	2
-2.14383953E+04-9.82405127E+01 1.01483726E+01	1.25438065E-03 1.85245518E-04	3
-2.49087148E-07 1.00247926E-10-1.43267638E+04	-8.51901783E+00-1.00535089E+04	4
c8h16-2 Thergas c 8h 16 0 OG	300.0 5000.0 1000.0	1
0.20515318E+02 0.38395379E-01-0.12404871E-04	0.19124877E-08-0.11529312E-12	2
-0.21493453E+05-0.77945305E+02 0.89102447E-01	0.83211556E-01-0.42554078E-04	3
0.64605836E-08 0.10791694E-11-0.14801507E+05	0.31597778E+02	4
c8h16-3 Thergas c 8h 16 0 OG	300.0 5000.0 1000.0	1
0.20515678E+02 0.38472977E-01-0.12439130E-04	0.19172688E-08-0.11548150E-12	2
-0.21537992E+05-0.78117493E+02-0.12177379E+01	0.88285185E-01-0.48694645E-04	3
0.93159036E-08 0.64524352E-12-0.14627312E+05	0.37670788E+02	4
c8h16-4 Thergas c 8h 16 0 OG	300.0 5000.0 1000.0	1
0.20515678E+02 0.38472977E-01-0.12439130E-04	0.19172688E-08-0.11548150E-12	2
-0.21537992E+05-0.78810570E+02-0.12177379E+01	0.88285185E-01-0.48694645E-04	3
0.93159036E-08 0.64524352E-12-0.14627312E+05	0.36977707E+02	4
c8h14 c 8h 14o 0 G	0300.00 5000.00 1000.00	1
0.12603670E+02 0.26696790E-01-0.88122661E-05	0.13779865E-08-0.83808537E-13	2
-0.30240355E+05-0.34318184E+02 0.33559802E+01	0.44081770E-01-0.87931503E-05	3
-0.13929200E-07 0.70754257E-11-0.27296576E+05	0.15480649E+02	4
Cc8h15-1 Thergas c 8h 15 0 OG	300.0 5000.0 1000.0	1
0.21737583E+02 0.33460941E-01-0.99058989E-05	0.14333605E-08-0.82648007E-13	2
-0.44474629E+04-0.83853943E+02-0.34678480E+00	0.84996723E-01-0.50083854E-04	3
0.12880106E-07-0.81115946E-12 0.25456824E+04	0.33619202E+02	4
Dc8h15-2 Thergas c 8h 15 0 OG	300.0 5000.0 1000.0	1
0.21389673E+02 0.33655670E-01-0.99631316E-05	0.14432119E-08-0.83364671E-13	2
-0.62572715E+04-0.82560768E+02 0.50654387E+00	0.81751719E-01-0.49447310E-04	3
0.16511329E-07-0.28800835E-11 0.53154126E+03	0.29017292E+02	4
Ec8h15-3 Thergas c 8h 15 0 OG	300.0 5000.0 1000.0	1
0.21422712E+02 0.33669908E-01-0.99574481E-05	0.14384294E-08-0.82773422E-13	2
-0.63137578E+04-0.82942078E+02-0.60666478E+00	0.85509211E-01-0.52461917E-04	3
0.16270750E-07-0.22249440E-11 0.68447821E+03	0.34235840E+02	4
Hc8h15-1 3/19/ 7 ThERMc 8h 15 0 OG	300.000 5000.000 1392.000	61
2.39354727E+01 3.32240658E-02-1.12927334E-05	1.74603459E-09-1.01016541E-13	2
2.61693443E+03-9.47424234E+01-1.12171647E+00	9.00446710E-02-6.02418170E-05	3
2.08658979E-08-2.96705457E-12 1.15050583E+04	4.04630702E+01	4
c8h16rohAB Thergas c 8h 17o 1 OG	300.0 5000.0 1000.0	1
0.23564270E+02 0.38258202E-01-0.11292649E-04	0.16316158E-08-0.94040125E-13	2
-0.30545824E+05-0.86778961E+02-0.17422894E+01	0.10997684E+00-0.91319067E-04	3
0.45735071E-07-0.10580545E-10-0.23351672E+05	0.44247601E+02	4
c8h16rohBC Thergas c 8h 17o 1 OG	300.0 5000.0 1000.0	1
0.45719635E+02 0.71898475E-02-0.76359288E-06	0.49221138E-10-0.16093956E-14	2
-0.42565676E+05-0.21361836E+03-0.68904638E-01	0.10200226E+00-0.76855184E-04	3
0.38304520E-07-0.11174440E-10-0.26148734E+05	0.35952484E+02	4
c8h16rohCD Thergas c 8h 17o 1 OG	300.0 5000.0 1000.0	1
0.45719635E+02 0.71898475E-02-0.76359288E-06	0.49221138E-10-0.16093956E-14	2
-0.42293934E+05-0.21361836E+03-0.68904638E-01	0.10200226E+00-0.76855184E-04	3
0.38304520E-07-0.11174440E-10-0.25876994E+05	0.35952484E+02	4
c8h16rohDE Thergas c 8h 17o 1 OG	300.0 5000.0 1000.0	1
0.45719635E+02 0.71898475E-02-0.76359288E-06	0.49221138E-10-0.16093956E-14	2
-0.42293934E+05-0.21361836E+03-0.68904638E-01	0.10200226E+00-0.76855184E-04	3

0.38304520E-07-0.11174440E-10-0.25876994E+05	0.35952484E+02	4
c8h16qjohAB Thergas c 8h 17o 3 OG	300.0 5000.0 1000.0	1
0.49543304E+02 0.88642351E-02-0.10593947E-05	0.71530545E-10-0.21836071E-14	2
-0.59546418E+05-0.22931769E+03 0.17118201E+01	0.10258979E+00-0.58342259E-04	3
0.12926417E-07-0.14700809E-11-0.42403562E+05	0.32088375E+02	4
c8h16qjohBC Thergas c 8h 17o 3 OG	300.0 5000.0 1000.0	1
0.13134670E+02 0.64088285E-01-0.22936552E-04	0.37962580E-08-0.24009348E-12	2
-0.46665516E+05-0.23435730E+02-0.12066903E+01	0.12050679E+00-0.87490123E-04	3
0.26544198E-07-0.55591756E-12-0.44639367E+05	0.43985474E+02	4
c8h16qjohCD Thergas c 8h 17o 3 OG	300.0 5000.0 1000.0	1
0.13134670E+02 0.64088285E-01-0.22936552E-04	0.37962580E-08-0.24009348E-12	2
-0.46393777E+05-0.23435829E+02-0.12066903E+01	0.12050679E+00-0.87490123E-04	3
0.26544198E-07-0.55591756E-12-0.44367629E+05	0.43985374E+02	4
c8h16qjohDE Thergas c 8h 17o 3 OG	300.0 5000.0 1000.0	1
0.13134670E+02 0.64088285E-01-0.22936552E-04	0.37962580E-08-0.24009348E-12	2
-0.46393777E+05-0.23435692E+02-0.12066903E+01	0.12050679E+00-0.87490123E-04	3
0.26544198E-07-0.55591756E-12-0.44367629E+05	0.43985512E+02	4
c8h17qjA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.23837385E+02 0.42712577E-01-0.13211903E-04	0.19715394E-08-0.11604503E-12	2
-0.28495770E+05-0.87923416E+02 0.23201631E+00	0.10027643E+00-0.52595424E-04	3
0.10543411E-08 0.62379199E-11-0.21585980E+05	0.35981842E+02	4
c8h17qjB c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.23965502E+02 0.42749967E-01-0.13245375E-04	0.19773809E-08-0.11634217E-12	2
-0.30904680E+05-0.88942596E+02 0.46039734E+01	0.71811020E-01 0.16481061E-04	3
-0.67313458E-07 0.29836730E-10-0.24650395E+05	0.16486511E+02	4
c8h17qjC c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.23915356E+02 0.42840220E-01-0.13298933E-04	0.19901578E-08-0.11739886E-12	2
-0.30612957E+05-0.88664673E+02 0.45415640E+01	0.72257660E-01 0.15376816E-04	3
-0.66184285E-07 0.29429216E-10-0.24372180E+05	0.16747589E+02	4
c8h17qjD c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.23915356E+02 0.42840220E-01-0.13298933E-04	0.19901578E-08-0.11739886E-12	2
-0.30612930E+05-0.88664986E+02 0.45264950E+01	0.72360016E-01 0.15135624E-04	3
-0.65947525E-07 0.29346619E-10-0.24370535E+05	0.16811335E+02	4
c8h16rAqA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.24398270E+02 0.40827934E-01-0.12289628E-04	0.17986254E-08-0.10446638E-12	2
-0.24460887E+05-0.86766251E+02 0.49460086E+00	0.10770760E+00-0.78272606E-04	3
0.27413611E-07-0.26853060E-11-0.17890303E+05	0.36573154E+02	4
c8h16rBqA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.24392391E+02 0.40867936E-01-0.12321221E-04	0.18071090E-08-0.10521295E-12	2
-0.22592340E+05-0.86727013E+02 0.35334688E+00	0.10872400E+00-0.80511272E-04	3
0.29477656E-07-0.33727461E-11-0.16015442E+05	0.37161160E+02	4
c8h16rCqA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.24392391E+02 0.40867936E-01-0.12321221E-04	0.18071090E-08-0.10521295E-12	2
-0.22592340E+05-0.86727013E+02 0.35334688E+00	0.10872400E+00-0.80511272E-04	3
0.29477656E-07-0.33727461E-11-0.16015442E+05	0.37161160E+02	4
c8h16rDqA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.24392391E+02 0.40867936E-01-0.12321221E-04	0.18071090E-08-0.10521295E-12	2
-0.22592340E+05-0.86727013E+02 0.35334688E+00	0.10872400E+00-0.80511272E-04	3
0.29477656E-07-0.33727461E-11-0.16015442E+05	0.37161160E+02	4
c8h16rEqA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.24430122E+02 0.40796444E-01-0.12277092E-04	0.17962856E-08-0.10429927E-12	2
-0.22606721E+05-0.86935432E+02 0.49619520E+00	0.10771184E+00-0.78031917E-04	3
0.26962516E-07-0.24711344E-11-0.16030409E+05	0.36559269E+02	4
c8h16rFqA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.24430122E+02 0.40796444E-01-0.12277092E-04	0.17962856E-08-0.10429927E-12	2
-0.22606721E+05-0.86935432E+02 0.49619520E+00	0.10771184E+00-0.78031917E-04	3
0.26962516E-07-0.24711344E-11-0.16030409E+05	0.36559269E+02	4
c8h16rGqA c 8h 17o 2 G	0300.00 5000.00 1000.00	1
0.24173840E+02 0.41293643E-01-0.12508925E-04	0.18402215E-08-0.10732685E-12	2
-0.22553434E+05-0.85616409E+02 0.14638233E+01	0.10085572E+00-0.62744584E-04	3
0.13062810E-07 0.20879867E-11-0.16123945E+05	0.32524899E+02	4

c8h16rHqA	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24734673E+02	0.40866744E-01	-0.12380868E-04	0.18226740E-08	-0.10641672E-12					2
-0.21657582E+05	-0.88919724E+02	0.78321356E+00	0.10476414E+00	-0.68326510E-04					3
0.16514877E-07	0.12214908E-11	-0.14944906E+05	0.35377144E+02						4
c8h16rAqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24788403E+02	0.41036546E-01	-0.12492123E-04	0.18470608E-08	-0.10825206E-12					2
-0.24388863E+05	-0.89526779E+02	0.50590549E+01	0.76988555E-01	-0.96092481E-06					3
-0.50098866E-07	0.24186082E-10	-0.18351637E+05	0.16282846E+02						4
c8h16rBqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.23968153E+02	0.41341439E-01	-0.12493553E-04	0.18337386E-08	-0.10671992E-12					2
-0.27656668E+05	-0.85023422E+02	0.53970332E+01	0.76440632E-01	-0.58514347E-05					3
-0.42526903E-07	0.21204529E-10	-0.22021275E+05	0.14300138E+02						4
c8h16rCqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12					2
-0.24977697E+05	-0.87431915E+02	0.46011391E+01	0.81132486E-01	-0.13564429E-04					3
-0.36737184E-07	0.19455798E-10	-0.19066752E+05	0.18187159E+02						4
c8h16rDqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12					2
-0.24977697E+05	-0.87431915E+02	0.46011391E+01	0.81132486E-01	-0.13564429E-04					3
-0.36737184E-07	0.19455798E-10	-0.19066752E+05	0.18187159E+02						4
c8h16rEqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12					2
-0.24977836E+05	-0.87432289E+02	0.46857142E+01	0.80536321E-01	-0.12110846E-04					3
-0.38206636E-07	0.19981369E-10	-0.19075662E+05	0.17830359E+02						4
c8h16rFqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12					2
-0.24977836E+05	-0.87432289E+02	0.46857142E+01	0.80536321E-01	-0.12110846E-04					3
-0.38206636E-07	0.19981369E-10	-0.19075662E+05	0.17830359E+02						4
c8h16rGqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24222986E+02	0.41472945E-01	-0.12626470E-04	0.18662298E-08	-0.10930362E-12					2
-0.24930779E+05	-0.86198288E+02	0.56694427E+01	0.73551387E-01	0.35266005E-05					3
-0.52492691E-07	0.24688638E-10	-0.19170672E+05	0.13730223E+02						4
c8h16rHqB	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24788403E+02	0.41036546E-01	-0.12492123E-04	0.18470608E-08	-0.10825206E-12					2
-0.24036600E+05	-0.89526772E+02	0.50590549E+01	0.76988555E-01	-0.96092481E-06					3
-0.50098866E-07	0.24186082E-10	-0.17999373E+05	0.16282854E+02						4
c8h16rAqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24788403E+02	0.41036546E-01	-0.12492123E-04	0.18470608E-08	-0.10825206E-12					2
-0.23764859E+05	-0.89526772E+02	0.50590549E+01	0.76988555E-01	-0.96092481E-06					3
-0.50098866E-07	0.24186082E-10	-0.17727633E+05	0.16282854E+02						4
c8h16rBqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24222986E+02	0.41472945E-01	-0.12626470E-04	0.18662298E-08	-0.10930362E-12					2
-0.24659039E+05	-0.86198288E+02	0.56694427E+01	0.73551387E-01	0.35266005E-05					3
-0.52492691E-07	0.24688638E-10	-0.18898932E+05	0.13730223E+02						4
c8h16rCqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24153397E+02	0.40974159E-01	-0.12339886E-04	0.18086352E-08	-0.10526233E-12					2
-0.27410355E+05	-0.85948105E+02	0.43489866E+01	0.83871476E-01	-0.22556487E-04					3
-0.27180803E-07	0.16124430E-10	-0.21647650E+05	0.18672619E+02						4
c8h16rDqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12					2
-0.24705957E+05	-0.87431915E+02	0.46011391E+01	0.81132486E-01	-0.13564429E-04					3
-0.36737184E-07	0.19455798E-10	-0.18795012E+05	0.18187159E+02						4
c8h16rEqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12					2
-0.24706096E+05	-0.87432289E+02	0.46857142E+01	0.80536321E-01	-0.12110846E-04					3
-0.38206636E-07	0.19981369E-10	-0.18803922E+05	0.17830359E+02						4
c8h16rFqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12					2
-0.24706096E+05	-0.87432289E+02	0.46857142E+01	0.80536321E-01	-0.12110846E-04					3
-0.38206636E-07	0.19981369E-10	-0.18803922E+05	0.17830359E+02						4
c8h16rGqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1

0.24222986E+02	0.41472945E-01	-0.12626470E-04	0.18662298E-08	-0.10930362E-12	2				
-0.24659039E+05	-0.86198288E+02	0.56694427E+01	0.73551387E-01	0.35266005E-05	3				
-0.52492691E-07	0.24688638E-10	-0.18898932E+05	0.13730223E+02		4				
c8h16rHqC	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24788403E+02	0.41036546E-01	-0.12492123E-04	0.18470608E-08	-0.10825206E-12	2				
-0.23764859E+05	-0.89526772E+02	0.50590549E+01	0.76988555E-01	-0.96092481E-06	3				
-0.50098866E-07	0.24186082E-10	-0.17727633E+05	0.16282854E+02		4				
c8h16rAqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24788403E+02	0.41036546E-01	-0.12492123E-04	0.18470608E-08	-0.10825206E-12	2				
-0.23764859E+05	-0.89526772E+02	0.50590549E+01	0.76988555E-01	-0.96092481E-06	3				
-0.50098866E-07	0.24186082E-10	-0.17727633E+05	0.16282854E+02		4				
c8h16rBqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24222986E+02	0.41472945E-01	-0.12626470E-04	0.18662298E-08	-0.10930362E-12	2				
-0.24659039E+05	-0.86198288E+02	0.56694427E+01	0.73551387E-01	0.35266005E-05	3				
-0.52492691E-07	0.24688638E-10	-0.18898932E+05	0.13730223E+02		4				
c8h16rCqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12	2				
-0.24706096E+05	-0.87432289E+02	0.46857142E+01	0.80536321E-01	-0.12110846E-04	3				
-0.38206636E-07	0.19981369E-10	-0.18803922E+05	0.17830359E+02		4				
c8h16rDqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24153397E+02	0.40974159E-01	-0.12339886E-04	0.18086352E-08	-0.10526233E-12	2				
-0.27410355E+05	-0.85948105E+02	0.43489866E+01	0.83871476E-01	-0.22556487E-04	3				
-0.27180803E-07	0.16124430E-10	-0.21647650E+05	0.18672619E+02		4				
c8h16rEqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12	2				
-0.24706096E+05	-0.87432289E+02	0.46857142E+01	0.80536321E-01	-0.12110846E-04	3				
-0.38206636E-07	0.19981369E-10	-0.18803922E+05	0.17830359E+02		4				
c8h16rFqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24464071E+02	0.41002266E-01	-0.12409941E-04	0.18258952E-08	-0.10657201E-12	2				
-0.24706096E+05	-0.87432289E+02	0.46857142E+01	0.80536321E-01	-0.12110846E-04	3				
-0.38206636E-07	0.19981369E-10	-0.18803922E+05	0.17830359E+02		4				
c8h16rGqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24222986E+02	0.41472945E-01	-0.12626470E-04	0.18662298E-08	-0.10930362E-12	2				
-0.24659039E+05	-0.86198288E+02	0.56694427E+01	0.73551387E-01	0.35266005E-05	3				
-0.52492691E-07	0.24688638E-10	-0.18898932E+05	0.13730223E+02		4				
c8h16rHqD	c	8h	17o	2	G	0300.00	5000.00	1000.00	1
0.24788403E+02	0.41036546E-01	-0.12492123E-04	0.18470608E-08	-0.10825206E-12	2				
-0.23764859E+05	-0.89526772E+02	0.50590549E+01	0.76988555E-01	-0.96092481E-06	3				
-0.50098866E-07	0.24186082E-10	-0.17727633E+05	0.16282854E+02		4				
c8h16qjAqA	c	8h	17o	4	G	0300.00	5000.00	1000.00	1
0.28969364E+02	0.40812921E-01	-0.12041199E-04	0.17356532E-08	-0.99683472E-13	2				
-0.44212496E+05	-0.10938862E+03	0.34115384E+01	0.91203809E-01	-0.82296237E-05	3				
-0.54366573E-07	0.27449812E-10	-0.36604980E+05	0.26675274E+02		4				
c8h16qjBqA	c	8h	17o	4	G	0300.00	5000.00	1000.00	1
0.28908907E+02	0.42040508E-01	-0.12712560E-04	0.18699571E-08	-0.10916676E-12	2				
-0.42264828E+05	-0.10748518E+03	0.66762586E+01	0.79650238E-01	0.99823546E-05	3				
-0.67192715E-07	0.30972731E-10	-0.35352727E+05	0.12385740E+02		4				
c8h16qjCqA	c	8h	17o	4	G	0300.00	5000.00	1000.00	1
0.28908907E+02	0.42040508E-01	-0.12712560E-04	0.18699571E-08	-0.10916676E-12	2				
-0.42264828E+05	-0.10748532E+03	0.66762586E+01	0.79650238E-01	0.99823546E-05	3				
-0.67192715E-07	0.30972731E-10	-0.35352727E+05	0.12385594E+02		4				
c8h16qjDqA	c	8h	17o	4	G	0300.00	5000.00	1000.00	1
0.28908907E+02	0.42040508E-01	-0.12712560E-04	0.18699571E-08	-0.10916676E-12	2				
-0.42264828E+05	-0.10679222E+03	0.66762586E+01	0.79650238E-01	0.99823546E-05	3				
-0.67192715E-07	0.30972731E-10	-0.35352727E+05	0.13078692E+02		4				
c8h16qjEqA	c	8h	17o	4	G	0300.00	5000.00	1000.00	1
0.28984390E+02	0.41904449E-01	-0.12631688E-04	0.18506419E-08	-0.10756721E-12	2				
-0.42294289E+05	-0.10721059E+03	0.64258146E+01	0.81388950E-01	0.58026653E-05	3				
-0.63018476E-07	0.29494875E-10	-0.35325953E+05	0.14139282E+02		4				
c8h16qjFqA	c	8h	17o	4	G	0300.00	5000.00	1000.00	1
0.28984390E+02	0.41904449E-01	-0.12631688E-04	0.18506419E-08	-0.10756721E-12	2				

-0.42294125E+05-0.10720964E+03 0.63360910E+01 0.82006074E-01 0.43328378E-05 3  
-0.61562943E-07 0.28983397E-10-0.35316277E+05 0.14520504E+02 4  
c8h16qjGqA c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.28920816E+02 0.42018887E-01-0.12699694E-04 0.18668969E-08-0.10891479E-12 2  
-0.42540738E+05-0.10685497E+03 0.63965335E+01 0.81592016E-01 0.53154367E-05 3  
-0.62532720E-07 0.29323103E-10-0.35594562E+05 0.14265111E+02 4  
c8h16qjHqA c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.28824947E+02 0.41923393E-01-0.12631052E-04 0.18523704E-08-0.10787587E-12 2  
-0.40145129E+05-0.10670961E+03 0.22598255E+01 0.10842140E+00-0.59820239E-04 3  
0.18916917E-08 0.71228873E-11-0.32555262E+05 0.32071541E+02 4  
c8h16qjAqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.28908907E+02 0.42040508E-01-0.12712560E-04 0.18699571E-08-0.10916676E-12 2  
-0.42264828E+05-0.10748506E+03 0.66762586E+01 0.79650238E-01 0.99823546E-05 3  
-0.67192715E-07 0.30972731E-10-0.35352727E+05 0.12385856E+02 4  
c8h16qjBqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.26558331E+02 0.46082657E-01-0.14487518E-04 0.21872659E-08-0.12979231E-12 2  
-0.45525348E+05-0.98423920E+02 0.40645599E+01 0.85849129E-01 0.77742488E-05 3  
-0.71444994E-07 0.34062871E-10-0.38765871E+05 0.22056112E+02 4  
c8h16qjCqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45448687E+05-0.11663023E+03 0.96023299E-01 0.12532197E+00-0.92970855E-04 3  
0.28569907E-07-0.64397766E-12-0.37225270E+05 0.39490166E+02 4  
c8h16qjDqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45448687E+05-0.11663022E+03 0.96023299E-01 0.12532197E+00-0.92970855E-04 3  
0.28569907E-07-0.64397766E-12-0.37225270E+05 0.39490189E+02 4  
c8h16qjEqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45448687E+05-0.11663002E+03 0.96023299E-01 0.12532197E+00-0.92970855E-04 3  
0.28569907E-07-0.64397766E-12-0.37225270E+05 0.39490387E+02 4  
c8h16qjFqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45448715E+05-0.11662958E+03 0.11109174E+00 0.12521961E+00-0.92729671E-04 3  
0.28333153E-07-0.56137836E-12-0.37226914E+05 0.39426769E+02 4  
c8h16qjGqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45720316E+05-0.11662787E+03 0.36334388E-01 0.12573509E+00-0.93959970E-04 3  
0.29553581E-07-0.99083545E-12-0.37490613E+05 0.39745106E+02 4  
c8h16qjHqB c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.29004236E+02 0.41869614E-01-0.12611668E-04 0.18460197E-08-0.10719631E-12 2  
-0.42574379E+05-0.10732315E+03 0.66225219E+01 0.80015264E-01 0.91233396E-05 3  
-0.66350523E-07 0.30679011E-10-0.35618602E+05 0.13306735E+02 4  
c8h16qjAqC c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.29004236E+02 0.41869614E-01-0.12611668E-04 0.18460197E-08-0.10719631E-12 2  
-0.42302641E+05-0.10801567E+03 0.66225219E+01 0.80015264E-01 0.91233396E-05 3  
-0.66350523E-07 0.30679011E-10-0.35346859E+05 0.12614204E+02 4  
c8h16qjBqC c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45448578E+05-0.11662787E+03 0.36334388E-01 0.12573509E+00-0.93959970E-04 3  
0.29553581E-07-0.99083545E-12-0.37218875E+05 0.39745106E+02 4  
c8h16qjCqC c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.26558331E+02 0.46082657E-01-0.14487518E-04 0.21872659E-08-0.12979231E-12 2  
-0.45525348E+05-0.98424225E+02 0.40645599E+01 0.85849129E-01 0.77742488E-05 3  
-0.71444994E-07 0.34062871E-10-0.38765871E+05 0.22055805E+02 4  
c8h16qjDqC c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45176945E+05-0.11663022E+03 0.96023299E-01 0.12532197E+00-0.92970855E-04 3  
0.28569907E-07-0.64397766E-12-0.36953527E+05 0.39490189E+02 4  
c8h16qjEqC c 8h 17o 4 G 0300.00 5000.00 1000.00 1  
0.30408714E+02 0.40409509E-01-0.12091734E-04 0.17658035E-08-0.10260395E-12 2  
-0.45176945E+05-0.11593694E+03 0.96023299E-01 0.12532197E+00-0.92970855E-04 3

0.28569907E-07-0.64397766E-12-0.36953527E+05	0.40183472E+02	4
c8h16qjFqC c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.30408714E+02 0.40409509E-01-0.12091734E-04	0.17658035E-08-0.10260395E-12	2
-0.45176973E+05-0.11593649E+03 0.11109174E+00	0.12521961E+00-0.92729671E-04	3
0.28333153E-07-0.56137836E-12-0.36955176E+05	0.40119854E+02	4
c8h16qjGqC c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.30408714E+02 0.40409509E-01-0.12091734E-04	0.17658035E-08-0.10260395E-12	2
-0.45448578E+05-0.11593480E+03 0.36334388E-01	0.12573509E+00-0.93959970E-04	3
0.29553581E-07-0.99083545E-12-0.37218875E+05	0.40438179E+02	4
c8h16qjHqC c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.29004236E+02 0.41869614E-01-0.12611668E-04	0.18460197E-08-0.10719631E-12	2
-0.42302641E+05-0.10801617E+03 0.66225219E+01	0.80015264E-01 0.91233396E-05	3
-0.66350523E-07 0.30679011E-10-0.35346859E+05	0.12613706E+02	4
c8h16qjAqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.29004236E+02 0.41869614E-01-0.12611668E-04	0.18460197E-08-0.10719631E-12	2
-0.42302641E+05-0.10801590E+03 0.66225219E+01	0.80015264E-01 0.91233396E-05	3
-0.66350523E-07 0.30679011E-10-0.35346859E+05	0.12613975E+02	4
c8h16qjBqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.30408714E+02 0.40409509E-01-0.12091734E-04	0.17658035E-08-0.10260395E-12	2
-0.45448578E+05-0.11662787E+03 0.36334388E-01	0.12573509E+00-0.93959970E-04	3
0.29553581E-07-0.99083545E-12-0.37218875E+05	0.39745106E+02	4
c8h16qjCqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.30408714E+02 0.40409509E-01-0.12091734E-04	0.17658035E-08-0.10260395E-12	2
-0.45176973E+05-0.11662958E+03 0.11109174E+00	0.12521961E+00-0.92729671E-04	3
0.28333153E-07-0.56137836E-12-0.36955176E+05	0.39426769E+02	4
c8h16qjDqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.26558331E+02 0.46082657E-01-0.14487518E-04	0.21872659E-08-0.12979231E-12	2
-0.45525348E+05-0.98424347E+02 0.40645599E+01	0.85849129E-01 0.77742488E-05	3
-0.71444994E-07 0.34062871E-10-0.38765871E+05	0.22055681E+02	4
c8h16qjEqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.30408714E+02 0.40409509E-01-0.12091734E-04	0.17658035E-08-0.10260395E-12	2
-0.45176945E+05-0.11593692E+03 0.96023299E-01	0.12532197E+00-0.92970855E-04	3
0.28569907E-07-0.64397766E-12-0.36953527E+05	0.40183479E+02	4
c8h16qjFqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.30408714E+02 0.40409509E-01-0.12091734E-04	0.17658035E-08-0.10260395E-12	2
-0.45176973E+05-0.11593649E+03 0.11109174E+00	0.12521961E+00-0.92729671E-04	3
0.28333153E-07-0.56137836E-12-0.36955176E+05	0.40119854E+02	4
c8h16qjGqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.30408714E+02 0.40409509E-01-0.12091734E-04	0.17658035E-08-0.10260395E-12	2
-0.45448578E+05-0.11593480E+03 0.36334388E-01	0.12573509E+00-0.93959970E-04	3
0.29553581E-07-0.99083545E-12-0.37218875E+05	0.40438179E+02	4
c8h16qjHqD c 8h 17o 4 G	0300.00 5000.00 1000.00	1
0.29004236E+02 0.41869614E-01-0.12611668E-04	0.18460197E-08-0.10719631E-12	2
-0.42302641E+05-0.10801607E+03 0.66225219E+01	0.80015264E-01 0.91233396E-05	3
-0.66350523E-07 0.30679011E-10-0.35346859E+05	0.12613813E+02	4
c8h16o-AB Thergas c 8h 16o 1 G	0300.00 5000.00 1000.00	1
0.50334068E+02 0.11279787E-02 0.33135652E-07	-0.15339801E-10 0.13102104E-14	2
-0.46716391E+05-0.24704681E+03 0.62810701E+00	0.85132569E-01-0.35248268E-04	3
0.11291738E-08-0.16217606E-12-0.27505689E+05	0.29605301E+02	4
c8h16o-BC Thergas c 8h 16o 1 G	0300.00 5000.00 1000.00	1
0.23893927E+02 0.38813151E-01-0.12690612E-04	0.19691966E-08-0.11902572E-12	2
-0.37669566E+05-0.97200981E+02-0.18688216E+01	0.10060990E+00-0.60021510E-04	3
0.12151985E-07 0.97320578E-12-0.29792369E+05	0.38963161E+02	4
c8h16o-CD Thergas c 8h 16o 1 G	0300.00 5000.00 1000.00	1
0.23893927E+02 0.38813151E-01-0.12690612E-04	0.19691966E-08-0.11902572E-12	2
-0.37397828E+05-0.97200981E+02-0.18688216E+01	0.10060990E+00-0.60021510E-04	3
0.12151985E-07 0.97320578E-12-0.29520629E+05	0.38963161E+02	4
c8h16o-DE Thergas c 8h 16o 1 G	0300.00 5000.00 1000.00	1
0.23893927E+02 0.38813151E-01-0.12690612E-04	0.19691966E-08-0.11902572E-12	2
-0.37397828E+05-0.98587151E+02-0.18688216E+01	0.10060990E+00-0.60021510E-04	3
0.12151985E-07 0.97320578E-12-0.29520629E+05	0.37576996E+02	4

c8h16o-AC	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.49604404E+02	0.17157613E+00	-0.84526444E-04	0.17538499E-07	-0.13039584E-11						2
-0.90059404E+04	0.30754904E+03	-0.62587652E+01	0.11534862E+00	-0.82837360E-04						3
0.24663162E-07	0.19238595E-11	-0.27227586E+05	0.60329090E+02							4
c8h16o-BD	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.49604404E+02	0.17157613E+00	-0.84526444E-04	0.17538499E-07	-0.13039584E-11						2
-0.90059404E+04	0.30754904E+03	-0.62587652E+01	0.11534862E+00	-0.82837360E-04						3
0.24663162E-07	0.19238595E-11	-0.27227586E+05	0.60329090E+02							4
c8h16o-CE	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.49604404E+02	0.17157613E+00	-0.84526444E-04	0.17538499E-07	-0.13039584E-11						2
-0.90059404E+04	0.30754904E+03	-0.62587652E+01	0.11534862E+00	-0.82837360E-04						3
0.24663162E-07	0.19238595E-11	-0.27227586E+05	0.60329090E+02							4
c8h16o#4		c	8h	16o	1	G	0300.00	5000.00	1000.00	1
0.10912266E+02	0.62802188E-01	-0.24620029E-04	0.43439745E-08	-0.28728558E-12						2
-0.34025164E+05	-0.28330185E+02	-0.91580505E+01	0.13815616E+00	-0.13925759E-03						3
0.84193424E-07	-0.20929314E-10	-0.29253268E+05	0.70819481E+02							4
c8h16o-AD	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.90792189E+01	0.96842654E-01	-0.42314106E-04	0.80553937E-08	-0.56217888E-12						2
-0.32615012E+05	0.84625175E+02	-0.34969556E+01	0.11354265E+00	-0.79268611E-04						3
0.19645636E-07	0.23282851E-11	-0.37704758E+05	0.43255486E+02							4
c8h16o-BE	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.13438491E+02	0.10523880E+00	-0.47019734E-04	0.90958210E-08	-0.64228695E-12						2
-0.33421664E+05	0.10754987E+03	-0.40804915E+01	0.11852957E+00	-0.87520340E-04						3
0.24680279E-07	0.13968884E-11	-0.40228797E+05	0.44162018E+02							4
c8h16o-CF	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.13438491E+02	0.10523880E+00	-0.47019734E-04	0.90958210E-08	-0.64228695E-12						2
-0.33149922E+05	0.10616370E+03	-0.40804915E+01	0.11852957E+00	-0.87520340E-04						3
0.24680279E-07	0.13968884E-11	-0.39957055E+05	0.42775852E+02							4
c8h16o-AE	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.90792189E+01	0.96842654E-01	-0.42314106E-04	0.80553937E-08	-0.56217888E-12						2
-0.35332414E+05	0.81907768E+02	-0.34969556E+01	0.11354265E+00	-0.79268611E-04						3
0.19645636E-07	0.23282851E-11	-0.40422160E+05	0.40538078E+02							4
c8h16o-BF	Thergas	c	8h	16o	1	G	0300.00	5000.00	1000.00	1
-0.13438491E+02	0.10523880E+00	-0.47019734E-04	0.90958210E-08	-0.64228695E-12						2
-0.36139066E+05	0.10483246E+03	-0.40804915E+01	0.11852957E+00	-0.87520340E-04						3
0.24680279E-07	0.13968884E-11	-0.42946199E+05	0.41444611E+02							4
c8h16o#5		c	8h	16o	1	G	0300.00	5000.00	1000.00	1
0.19923445E+02	0.47541186E-01	-0.17070628E-04	0.28321352E-08	-0.17942627E-12						2
-0.46442715E+05	-0.79594803E+02	-0.46059074E+01	0.12274635E+00	-0.99378631E-04						3
0.38559634E-07	-0.43409486E-11	-0.40179516E+05	0.44928009E+02							4
c8h16o#6		c	8h	16o	1	G	0300.00	5000.00	1000.00	1
0.19923445E+02	0.47541186E-01	-0.17070628E-04	0.28321352E-08	-0.17942627E-12						2
-0.49431859E+05	-0.80926056E+02	-0.46059074E+01	0.12274635E+00	-0.99378631E-04						3
0.38559634E-07	-0.43409486E-11	-0.43168656E+05	0.43596764E+02							4
c8h17qA	Thergas	c	8h	18o	2	G	0300.00	5000.00	1000.00	1
0.25184662E+02	0.43498904E-01	-0.13889739E-04	0.21201378E-08	-0.12674902E-12						2
-0.46847316E+05	-0.94084114E+02	0.55736101E+00	0.10395036E+00	-0.61846644E-04						3
0.13528783E-07	0.57746570E-12	-0.39453109E+05	0.35583321E+02							4
c8h17qB	Thergas	c	8h	18o	2	G	0300.00	5000.00	1000.00	1
0.49120415E+02	0.88554397E-02	-0.11546297E-05	0.87920414E-10	-0.32100681E-14						2
-0.59489250E+05	-0.23060811E+03	0.23004239E+01	0.95498212E-01	-0.46248148E-04						3
0.49757682E-08	0.37816920E-12	-0.42257711E+05	0.26992292E+02							4
c8h17qC	Thergas	c	8h	18o	2	G	0300.00	5000.00	1000.00	1
0.49120415E+02	0.88554397E-02	-0.11546297E-05	0.87920414E-10	-0.32100681E-14						2
-0.59217512E+05	-0.23060811E+03	0.23004239E+01	0.95498212E-01	-0.46248148E-04						3
0.49757682E-08	0.37816920E-12	-0.41985969E+05	0.26992292E+02							4
c8h17qD	Thergas	c	8h	18o	2	G	0300.00	5000.00	1000.00	1
0.49120415E+02	0.88554397E-02	-0.11546297E-05	0.87920414E-10	-0.32100681E-14						2
-0.59217512E+05	-0.23060811E+03	0.23004239E+01	0.95498212E-01	-0.46248148E-04						3
0.49757682E-08	0.37816920E-12	-0.41985969E+05	0.26992292E+02							4
c8h17oJA	Thergas	c	8h	17o	1	G	0300.00	5000.00	1000.00	1

0.23077858E+02	0.40017333E-01	-0.12140343E-04	0.17876562E-08	-0.10431394E-12	2					
-0.28314629E+05	-0.87646332E+02	-0.21339333E+01	0.10345186E+00	-0.67650326E-04	3					
0.21237781E-07	-0.22787809E-11	-0.20744408E+05	0.44891270E+02		4					
c8h17oJB	Thergas	c	8h	17o	1	G	0300.00	5000.00	1000.00	1
0.45855083E+02	0.77120606E-02	-0.85577000E-06	0.52874951E-10	-0.14047611E-14	2					
-0.39497055E+05	-0.21787128E+03	-0.39666083E+00	0.95058590E-01	-0.52235642E-04	3					
0.12906283E-07	-0.25684030E-11	-0.22491908E+05	0.36325146E+02		4					
c8h17oJC	Thergas	c	8h	17o	1	G	0300.00	5000.00	1000.00	1
0.45855083E+02	0.77120606E-02	-0.85577000E-06	0.52874951E-10	-0.14047611E-14	2					
-0.39225488E+05	-0.21787329E+03	-0.30149898E+00	0.94388857E-01	-0.50605402E-04	3					
0.11260674E-07	-0.19806197E-11	-0.22230203E+05	0.35921978E+02		4					
c8h17oJD	Thergas	c	8h	17o	1	G	0300.00	5000.00	1000.00	1
0.45855083E+02	0.77120606E-02	-0.85577000E-06	0.52874951E-10	-0.14047611E-14	2					
-0.39225625E+05	-0.21787415E+03	-0.22684385E+00	0.93874082E-01	-0.49376766E-04	3					
0.10041895E-07	-0.15517422E-11	-0.22238232E+05	0.35604935E+02		4					
nc8h17o2h		c	8h	18o	2	G	0300.00	5000.00	1000.00	1
0.20509676E+02	0.51260345E-01	-0.17456196E-04	0.27899791E-08	-0.17223808E-12	2					
-0.47296555E+05	-0.68098534E+02	0.58419657E+01	0.68428375E-01	0.26399584E-04	3					
-0.76631167E-07	0.32979203E-10	-0.42606453E+05	0.12312349E+02		4					
c8h15o2h		c	8h	16o	2	G	0300.00	5000.00	1000.00	1
0.20380741E+02	0.46281371E-01	-0.15725082E-04	0.25071203E-08	-0.15439704E-12	2					
-0.31947451E+05	-0.67045532E+02	0.61335635E+01	0.62499840E-01	0.28431941E-04	3					
-0.76341848E-07	0.32648498E-10	-0.27376854E+05	0.11155769E+02		4					
c8h15oq		c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.16870092E+02	0.68185821E-01	-0.24252884E-04	0.39975974E-08	-0.25215041E-12	2					
-0.39237465E+05	-0.53114212E+02	-0.18994358E+01	0.1067324400E+00	-0.35085766E-04	3					
-0.21366752E-07	0.14464667E-10	-0.34442055E+05	0.36377739E+02		4					
c8h15oAqB	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.53674335E+02	0.21574488E-02	-0.40864947E-07	-0.11245279E-10	0.11178410E-14	2					
-0.70325422E+05	-0.25281168E+03	0.36112106E+01	0.90610661E-01	-0.40356579E-04	3					
0.74931328E-09	0.11603956E-11	-0.51472324E+05	0.24173454E+02		4					
c8h15oAqC	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.81503620E+01	0.70391484E-01	-0.27240338E-04	0.47624451E-08	-0.31291847E-12	2					
-0.51816684E+05	0.55914383E+01	0.14876269E+01	0.10638937E+00	-0.71089395E-04	3					
0.17282511E-07	0.16100971E-11	-0.52051160E+05	0.32888512E+02		4					
c8h15oAqD	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.81503620E+01	0.70391484E-01	-0.27240338E-04	0.47624451E-08	-0.31291847E-12	2					
-0.51816684E+05	0.55914383E+01	0.14876269E+01	0.10638937E+00	-0.71089395E-04	3					
0.17282511E-07	0.16100971E-11	-0.52051160E+05	0.32888512E+02		4					
c8h15oAqE	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.81503620E+01	0.70391484E-01	-0.27240338E-04	0.47624451E-08	-0.31291847E-12	2					
-0.51816684E+05	0.55914383E+01	0.14876269E+01	0.10638937E+00	-0.71089395E-04	3					
0.17282511E-07	0.16100971E-11	-0.52051160E+05	0.32888512E+02		4					
c8h15oBqA	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.83075991E+01	0.69291346E-01	-0.26563011E-04	0.46145225E-08	-0.30190328E-12	2					
-0.52799562E+05	0.47050476E+01	0.23953123E+01	0.10109549E+00	-0.65035594E-04	3					
0.15254486E-07	0.15747630E-11	-0.53000477E+05	0.28962004E+02		4					
c8h15oBqC	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.49241261E+02	0.72592604E-02	-0.80720241E-06	0.43191655E-10	-0.52818592E-15	2					
-0.71960219E+05	-0.22767657E+03	0.27230816E+01	0.93606509E-01	-0.45303026E-04	3					
0.37047496E-08	0.99777435E-12	-0.54898773E+05	0.28090195E+02		4					
c8h15oBqD	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.98898249E+01	0.67276448E-01	-0.25651350E-04	0.44374371E-08	-0.28936651E-12	2					
-0.56202789E+05	-0.47461624E+01	0.13648419E+01	0.10492320E+00	-0.67955152E-04	3					
0.15361115E-07	0.19037070E-11	-0.55569441E+05	0.33457996E+02		4					
c8h15oBqE	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.98898249E+01	0.67276448E-01	-0.25651350E-04	0.44374371E-08	-0.28936651E-12	2					
-0.56202781E+05	-0.47461624E+01	0.13648419E+01	0.10492320E+00	-0.67955152E-04	3					
0.15361115E-07	0.19037070E-11	-0.55569438E+05	0.33457996E+02		4					
c8h15oBqF	Thergas	c	8h	16o	3	G	0300.00	5000.00	1000.00	1
0.98898249E+01	0.67276448E-01	-0.25651350E-04	0.44374371E-08	-0.28936651E-12	2					



-0.56202781E+05-0.47461624E+01	0.13648419E+01	0.10492320E+00-0.67955152E-04	3
0.15361115E-07	0.19037070E-11-0.55569438E+05	0.33457996E+02	4
c8h15oCqA	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
0.93390000E+00	0.81830658E-01-0.32885589E-04	0.59013421E-08-0.39480845E-12	2
-0.50510727E+05	0.46075485E+02 0.12537197E+01	0.10604036E+00-0.71684713E-04	3
0.17897555E-07	0.17750154E-11-0.53435371E+05	0.34514915E+02	4
c8h15oCqB	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
0.31035599E+00	0.84062584E-01-0.34256384E-04	0.62102408E-08-0.41861024E-12	2
-0.51846438E+05	0.48498154E+02-0.30199182E+00	0.11254812E+00-0.77744378E-04	3
0.19142062E-07	0.21554080E-11-0.54728617E+05	0.41032448E+02	4
c8h15oCqD	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
0.10569321E+00	0.84411561E-01-0.34429060E-04	0.62443286E-08-0.42098221E-12	2
-0.51766891E+05	0.49638435E+02-0.32275227E+00	0.11267214E+00-0.77983401E-04	3
0.19313626E-07	0.21200279E-11-0.54726145E+05	0.41122940E+02	4
c8h15oCqE	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
-0.32692564E+01	0.89652263E-01-0.37041173E-04	0.67787700E-08-0.45991428E-12	2
-0.51060488E+05	0.68963867E+02 0.90327173E+00	0.10941053E+00-0.76053111E-04	3
0.19056801E-07	0.22147340E-11-0.55712605E+05	0.35127430E+02	4
c8h15oCqF	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
-0.32692564E+01	0.89652263E-01-0.37041173E-04	0.67787700E-08-0.45991428E-12	2
-0.51060488E+05	0.68963867E+02 0.90327173E+00	0.10941053E+00-0.76053111E-04	3
0.19056801E-07	0.22147340E-11-0.55712605E+05	0.35127430E+02	4
c8h15oCqG	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
-0.32692564E+01	0.89652263E-01-0.37041173E-04	0.67787700E-08-0.45991428E-12	2
-0.51332227E+05	0.68963867E+02 0.90327173E+00	0.10941053E+00-0.76053111E-04	3
0.19056801E-07	0.22147340E-11-0.55984348E+05	0.35127430E+02	4
c8h15oDqA	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
0.93390000E+00	0.81830658E-01-0.32885589E-04	0.59013421E-08-0.39480845E-12	2
-0.50510727E+05	0.46075485E+02 0.12537197E+01	0.10604036E+00-0.71684713E-04	3
0.17897555E-07	0.17750154E-11-0.53435371E+05	0.34514915E+02	4
c8h15oDqB	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
-0.36383281E+01	0.90297543E-01-0.37387152E-04	0.68535488E-08-0.46560596E-12	2
-0.51188059E+05	0.71017807E+02 0.80836082E+00	0.11002732E+00-0.77425240E-04	3
0.20313115E-07	0.18100614E-11-0.55973637E+05	0.35534988E+02	4
c8h15oDqC	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
0.23586342E+00	0.84186003E-01-0.34309847E-04	0.62189027E-08-0.41906840E-12	2
-0.51817547E+05	0.48914368E+02-0.55282074E+00	0.11427741E+00-0.81866310E-04	3
0.23218998E-07	0.72698130E-12-0.54701648E+05	0.42096024E+02	4
c8h15oDqE	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
0.39021969E+00	0.83918296E-01-0.34170975E-04	0.61899121E-08-0.41693079E-12	2
-0.51877949E+05	0.48054199E+02-0.25163695E+00	0.11220466E+00-0.76932760E-04	3
0.18344201E-07	0.24339406E-11-0.54734094E+05	0.40818367E+02	4
c8h15oDqF	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
-0.32692564E+01	0.89652263E-01-0.37041173E-04	0.67787700E-08-0.45991428E-12	2
-0.51060488E+05	0.68963867E+02 0.90327173E+00	0.10941053E+00-0.76053111E-04	3
0.19056801E-07	0.22147340E-11-0.55712605E+05	0.35127430E+02	4
c8h15oDqG	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
-0.32692564E+01	0.89652263E-01-0.37041173E-04	0.67787700E-08-0.45991428E-12	2
-0.51332227E+05	0.68963867E+02 0.90327173E+00	0.10941053E+00-0.76053111E-04	3
0.19056801E-07	0.22147340E-11-0.55984348E+05	0.35127430E+02	4
c8h15oDqH	Thergas c 8h 16o 3 G	0300.00 5000.00 1000.00	1
0.83614087E+00	0.82002275E-01-0.32981116E-04	0.59228502E-08-0.39650764E-12	2
-0.50471973E+05	0.46620178E+02 0.12480025E+01	0.10608212E+00-0.71789218E-04	3
0.18004227E-07	0.17371031E-11-0.53434789E+05	0.34538818E+02	4
c7h15hco	c 8h 16o 1 G	0300.00 5000.00 1000.00	1
0.16818151E+02	0.48181277E-01-0.16752190E-04	0.27164362E-08-0.16935562E-12	2
-0.43479937E+05	-0.52365341E+02 0.15366817E+00	0.92514843E-01-0.53883396E-04	3
0.97243600E-08	0.22533592E-11-0.38841691E+05	0.34039207E+02	4
c7h15co	c 8h 15o 1 G	0300.00 5000.00 1000.00	1
0.21888067E+02	0.17680371E-01-0.45973793E-05	0.60718119E-09-0.32980075E-13	2
-0.31535605E+05	-0.78729637E+02 0.63410324E+00	0.80357298E-01-0.71632960E-04	3

0.30559153E-07-0.43843913E-11-0.25892623E+05	0.30032263E+02	4
octanone c 8h 16o 1 G	0300.00 5000.00 1000.00	1
0.16195034E+02 0.49036361E-01-0.17129807E-04	0.27865095E-08-0.17408790E-12	2
-0.46926516E+05-0.49494827E+02 0.12435834E+00	0.90316460E-01-0.48742531E-04	3
0.55133600E-08 0.34705040E-11-0.42368941E+05	0.34223633E+02	4
c7h14hco-5 Thergas c 8h 15o 1 G	0300.00 5000.00 1000.00	1
0.11877132E+02 0.52050348E-01-0.18005008E-04	0.29092970E-08-0.18094718E-12	2
-0.17503613E+05-0.21597496E+02-0.12599965E+01	0.10632874E+00-0.96253672E-04	3
0.51725202E-07-0.11901102E-10-0.15282735E+05	0.40654591E+02	4
oct1*o4oo Thergas c 8h 15o 3 G	0300.00 5000.00 1000.00	1
0.10292596E+02 0.63479453E-01-0.23307943E-04	0.39269827E-08-0.25141198E-12	2
-0.34813062E+05-0.76308517E+01 0.80877706E-01	0.11080116E+00-0.83056919E-04	3
0.28146953E-07-0.18778763E-11-0.34075570E+05	0.37795277E+02	4
oct1*o2j4ooh Thergas c 8h 15o 3 G	0300.00 5000.00 1000.00	1
0.10849030E+02 0.62573776E-01-0.22883823E-04	0.38466257E-08-0.24597205E-12	2
-0.31175840E+05-0.89649429E+01 0.68427521E+00	0.11464635E+00-0.96999109E-04	3
0.42468319E-07-0.66954445E-11-0.30707807E+05	0.34974228E+02	4
oct1*o2oo4ooh Thergas c 8h 15o 5 G	0300.00 5000.00 1000.00	1
0.13311378E+02 0.66787191E-01-0.24674864E-04	0.41760120E-08-0.26822706E-12	2
-0.47208469E+05-0.15605194E+02 0.47606301E+00	0.12595618E+00-0.97447919E-04	3
0.31216747E-07-0.92134460E-12-0.46329523E+05	0.41425270E+02	4
oct1*o4*o2ooh Thergas c 8h 14o 4 G	0300.00 5000.00 1000.00	1
-0.62371850E+01 0.94002627E-01-0.40172090E-04	0.75291302E-08-0.51961343E-12	2
-0.58963453E+05 0.89521042E+02 0.10606869E+01	0.11163237E+00-0.84458945E-04	3
0.25736105E-07 0.47760504E-12-0.65065098E+05	0.37304520E+02	4
c4h9coc3h6-1 Thergas c 8h 15o 1 G	0300.00 5000.00 1000.00	1
0.12178297E+01 0.70042849E-01-0.26764796E-04	0.46391961E-08-0.30304920E-12	2
-0.15893626E+05 0.37505653E+02-0.15102980E+01	0.10605914E+00-0.90638830E-04	3
0.42124377E-07-0.72543109E-11-0.17863342E+05	0.41514374E+02	4
nc4h9coc3h6-1 14/4/09 c 8h 15o 1 Og	300.000 5000.000 1000.000	1
0.12178297E+01 0.70042849E-01-0.26764796E-04	0.46391961E-08-0.30304920E-12	2
-0.15893626E+05 0.37505653E+02-0.15102980E+01	0.10605914E+00-0.90638830E-04	3
0.42124377E-07-0.72543109E-11-0.17863342E+05	0.41514374E+02	4
nc4h9coc3h6o2-1 14/4/09 c 8h 15o 3 Og	300.000 5000.000 1000.000	1
0.31401424E+01 0.74644431E-01-0.28685547E-04	0.49904623E-08-0.32675677E-12	2
-0.33505938E+05 0.32574150E+02-0.65168277E-02	0.10944846E+00-0.81270133E-04	3
0.26409358E-07-0.88761122E-12-0.35475645E+05	0.38799351E+02	4
nc4h9coc3h6o2h-1 14/4/9 c 8h 16o 3 Og	300.000 5000.000 1000.000	1
0.83614087E+00 0.82002275E-01-0.32981116E-04	0.59228502E-08-0.39650764E-12	2
-0.50471973E+05 0.46620178E+02 0.12480025E+01	0.10608212E+00-0.71789218E-04	3
0.18004227E-07 0.17371031E-11-0.53434789E+05	0.34538818E+02	4
nc4h9coc3h6o-1 14/4/09 c 8h 15o 2 Og	300.000 5000.000 1000.000	1
0.67451662E+00 0.74695259E-01-0.28871642E-04	0.50442526E-08-0.33131879E-12	2
-0.32629162E+05 0.42442413E+02-0.14103326E+01	0.10543629E+00-0.77492383E-04	3
0.25915137E-07-0.13066043E-11-0.34730578E+05	0.43700237E+02	4
c2h3coc3h7 4/15/ 9 THERMc 6h 10o 1 OG	300.000 5000.000 1388.000	41
1.87183592E+01 2.41363189E-02-8.35497476E-06	1.30748276E-09-7.62747475E-14	2
-2.96755853E+04-6.95728617E+01 3.14273123E-01	6.70372965E-02-4.78379133E-05	3
1.84750498E-08-3.03547113E-12-2.31437069E+04	2.95218946E+01	4
c2h3coc3h6-3 4/15/9THERMc 6h 9o 1 OG	300.000 5000.000 1389.000	41
2.00687266E+01 2.06318487E-02-7.18989016E-06	1.13031085E-09-6.61524167E-14	2
-8.61351924E+03-7.68454487E+01 1.82063299E-01	6.97665556E-02-5.52860723E-05	3
2.32191437E-08-4.03210322E-12-1.88032200E+03	2.91687528E+01	4
c2h3coc3h6-2 4/15/9THERMc 6h 9o 1 OG	300.000 5000.000 1376.000	41
1.85383420E+01 2.09644783E-02-7.10726936E-06	1.09812027E-09-6.35356671E-14	2
-6.09649496E+03-6.53208710E+01 1.39542268E+00	5.77571211E-02-3.62039487E-05	3
1.11354497E-08-1.33077569E-12 1.83960497E+02	2.79077319E+01	4
c2h3coc4h9 4/15/ 9 THERMc 7h 12o 1 OG	300.000 5000.000 1388.000	51
2.18818919E+01 2.86391260E-02-9.90229082E-06	1.54844346E-09-9.02839943E-14	2
-3.37726101E+04-8.51368221E+01 1.26153359E-01	7.90711038E-02-5.58451599E-05	3
2.12476290E-08-3.43373278E-12-2.60381588E+04	3.20788490E+01	4

c2h3coc4h8-4	4/15/9THERMc	7h	11o	1	OG	300.000	5000.000	1389.000	51
						2.31863030E+01	2.51741016E-02	-8.75064225E-06	1.37333007E-09
						-1.26795211E+04	-9.21173114E+01	5.51745226E-02	8.17261240E-02
						2.61652778E-08	-4.48235476E-12	-4.78894119E+03	3.14031132E+01
c2h3coc4h8-3	4/15/9THERMc	7h	11o	1	OG	300.000	5000.000	1380.000	51
						2.16171591E+01	2.55348372E-02	-8.67346499E-06	1.34131531E-09
						-1.01409871E+04	-8.03654398E+01	1.10853774E+00	7.02837088E-02
						1.44399473E-08	-1.84448557E-12	-2.69659961E+03	3.09129641E+01
c2h3coc5h11	4/15/9 THERMc	8h	14o	1	OG	300.000	5000.000	1389.000	61
						2.50468172E+01	3.31391031E-02	-1.14482905E-05	1.78916517E-09
						-3.78700449E+04	-1.00708263E+02	-6.11156110E-02	9.10996690E-02
						2.40124190E-08	-3.82997089E-12	-2.89327049E+04	3.46321414E+01
c2h3coc5h10-5	4/15/9THERc	8h	13o	1	OG	300.000	5000.000	1390.000	61
						2.63460968E+01	2.96842072E-02	-1.03013463E-05	1.61490694E-09
						-1.67755921E+04	-1.07661304E+02	-1.27720569E-01	9.37381419E-02
						2.89246821E-08	-4.87854838E-12	-7.68420465E+03	3.39356643E+01
c2h3coc5h10-4	4/15/9THERc	8h	13o	1	OG	300.000	5000.000	1383.000	61
						2.47133948E+01	3.01318603E-02	-1.02589501E-05	1.58863625E-09
						-1.42073438E+04	-9.55434817E+01	8.47277192E-01	8.26711000E-02
						1.76065702E-08	-2.33388782E-12	-5.58052363E+03	3.38039442E+01
c2h3coc6h13	4/15/9 THERMc	9h	16o	1	OG	300.000	5000.000	1389.000	71
						2.82126657E+01	3.76372508E-02	-1.29934448E-05	2.02973390E-09
						-4.19677669E+04	-1.16284696E+02	-2.47881926E-01	1.03125042E-01
						2.67723821E-08	-4.22495392E-12	-3.18273043E+04	3.71832891E+01
c2h3coc6h12-6	4/15/9THERc	9h	15o	1	OG	300.000	5000.000	1390.000	71
						2.95082162E+01	3.41896343E-02	-1.18498689E-05	1.85608662E-09
						-2.98722628E+04	-1.23217680E+02	-3.11680126E-01	1.05753396E-01
						3.16823141E-08	-5.27380726E-12	-1.05792774E+04	3.64734004E+01
c2h3coc6h12-5	4/15/9THERc	9h	15o	1	OG	300.000	5000.000	1381.000	71
						2.82304677E+01	3.41043206E-02	-1.15796384E-05	1.79022138E-09
						-1.84472170E+04	-1.13108518E+02	5.45344018E-01	9.50191613E-02
						2.01426108E-08	-2.63599843E-12	-8.45419002E+03	3.69195672E+01

! Base C9

nc9h20	Burcat	c	9h	20o	0	G	0200.00	6000.00	1000.00	1
							2.55877522E+01	4.60770651E-02	-1.60860633E-05	2.58274408E-09
							-4.00748448E+04	-1.04722466E+02	1.39840225E+01	-1.17224978E-02
							-3.25680364E-07	1.29109135E-10	-3.28258409E+04	-2.38633750E+01
Ac9h19	Burcat	c	9h	19o	0	G	0200.00	6000.00	1000.00	1
							2.10145145E+01	5.18616211E-02	-1.89952568E-05	3.11574043E-09
							-1.50809093E+04	-7.60093216E+01	1.33309614E+01	-2.35843645E-03
							-2.81626719E-07	1.11748345E-10	-9.72551279E+03	-1.91378729E+01
Bc9h19		c	9h	19o	0	G	0300.00	5000.00	1000.00	1
							0.17096243E+02	0.54549702E-01	-0.18069100E-04	0.28318998E-08
							-0.12724994E+05	-0.53264206E+02	-0.21709469E+00	0.10039195E+00
							0.17086611E-08	0.60214628E-11	-0.81046172E+04	0.36094986E+02
Cc9h19		c	9h	19o	0	G	0300.00	5000.00	1000.00	1
							0.17309231E+02	0.54121740E-01	-0.17874010E-04	0.27970348E-08
							-0.12759730E+05	-0.54338570E+02	-0.10298499E+01	0.10617688E+00
							0.13055704E-07	0.23631156E-11	-0.80276958E+04	0.39473068E+02
Dc9h19		c	9h	19o	0	G	0300.00	5000.00	1000.00	1
							0.17309231E+02	0.54121740E-01	-0.17874010E-04	0.27970348E-08
							-0.12759730E+05	-0.54338570E+02	-0.10298499E+01	0.10617688E+00
							0.13055704E-07	0.23631156E-11	-0.80276958E+04	0.39473068E+02
Ec9h19		c	9h	19o	0	G	0300.00	5000.00	1000.00	1
							0.17309231E+02	0.54121740E-01	-0.17874010E-04	0.27970348E-08
							-0.12759730E+05	-0.55031647E+02	-0.10298499E+01	0.10617688E+00
							0.13055704E-07	0.23631156E-11	-0.80276958E+04	0.38779991E+02
c9h18-1	1-nonene	T	3/00c	9h	18	0	OG	300.000	5000.000	1000.
							0.23648630E+02	0.42839661E-01	-0.13811799E-04	0.21258086E-08

-0.24007359E+05-0.92640266E+02-0.98635113E+00	0.98924667E-01-0.52890089E-04	3
0.77450908E-08 0.18599660E-11-0.16191196E+05	0.38616222E+02	4
c9h18-2 THERGAS c 9h 18 0 0G	300.000 5000.000 1000.000	1
0.23464685E+02 0.42809591E-01-0.13739379E-04	0.21046211E-08-0.12611961E-12	2
-0.25380301E+05-0.92049950E+02-0.97349174E-01	0.94949417E-01-0.49503888E-04	3
0.80844371E-08 0.10590433E-11-0.17698664E+05	0.34163700E+02	4
c9h18-3 THERGAS c 9h 18 0 0G	300.000 5000.000 1000.000	1
0.23403933E+02 0.42996075E-01-0.13837616E-04	0.21245410E-08-0.12755180E-12	2
-0.25400660E+05-0.91882317E+02-0.12577512E+01	0.99013269E-01-0.53231106E-04	3
0.85398444E-08 0.14724235E-11-0.17540232E+05	0.39615685E+02	4
c9h18-4 THERGAS c 9h 18 0 0G	300.000 5000.000 1000.000	1
0.23347437E+02 0.43096352E-01-0.13896452E-04	0.21384670E-08-0.12869747E-12	2
-0.25378199E+05-0.91567986E+02-0.11010473E+01	0.97916387E-01-0.50575127E-04	3
0.58723453E-08 0.24206520E-11-0.17556848E+05	0.38953510E+02	4
Cc9h17-1 c 9h 17o 0 G	0300.00 5000.00 1000.00	1
0.24537655E+02 0.38139250E-01-0.11394887E-04	0.16621738E-08-0.96505838E-13	2
-0.82738047E+04-0.97115593E+02-0.60456407E+00	0.97226202E-01-0.58194728E-04	3
0.15641350E-07-0.12267471E-11-0.34386041E+03	0.36496502E+02	4
Dc9h17-2 THERGAS c 9h 17o 0 G	0300.00 5000.00 1000.00	1
0.24300171E+02 0.38137496E-01-0.11336612E-04	0.16446871E-08-0.94975351E-13	2
-0.10128188E+05-0.96444168E+02 0.46289793E+00	0.92514515E-01-0.54073487E-04	3
0.15827760E-07-0.20867368E-11-0.23812151E+04	0.30979557E+02	4
Ec9h17-3 THERGAS c 9h 17o 0 G	0300.00 5000.00 1000.00	1
0.24209284E+02 0.38376037E-01-0.11464733E-04	0.16719176E-08-0.97037063E-13	2
-0.10135658E+05-0.96158936E+02-0.68866998E+00	0.96552916E-01-0.57789883E-04	3
0.16307295E-07-0.16912565E-11-0.22244277E+04	0.36335827E+02	4
Fc9h17-4 THERGAS c 9h 17o 0 G	0300.00 5000.00 1000.00	1
0.24202337E+02 0.38386844E-01-0.11470256E-04	0.16730783E-08-0.97123346E-13	2
-0.10131787E+05-0.96800568E+02-0.10817566E+01	0.99279627E-01-0.64334956E-04	3
0.22834289E-07-0.39992410E-11-0.21823948E+04	0.37317131E+02	4
c9h16 c 9h 16o 0 G	0300.00 5000.00 1000.00	1
0.12603670E+02 0.26696790E-01-0.88122661E-05	0.13779865E-08-0.83808537E-13	2
-0.30240355E+05-0.34318184E+02 0.33559802E+01	0.44081770E-01-0.87931503E-05	3
-0.13929200E-07 0.70754257E-11-0.27296576E+05	0.15480649E+02	4
c9h19qjA Thergas c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.29181751E+02 0.43400299E-01-0.12959443E-04	0.18844553E-08-0.10889628E-12	2
-0.33375445E+05-0.11554530E+03-0.87561017E+00	0.11901104E+00-0.78198158E-04	3
0.23496838E-07-0.20496937E-11-0.24392154E+05	0.42373283E+02	4
c9h19qjB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.25951220E+02 0.48708454E-01-0.15289610E-04	0.23051367E-08-0.13661580E-12	2
-0.34395867E+05-0.97621887E+02 0.45977383E+01	0.82192063E-01 0.13117477E-04	3
-0.69661475E-07 0.31383320E-10-0.27565555E+05	0.18304462E+02	4
c9h19qjC c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.25917749E+02 0.48768431E-01-0.15325058E-04	0.23135645E-08-0.13731098E-12	2
-0.34110555E+05-0.97436218E+02 0.44519591E+01	0.83205208E-01 0.10679204E-04	3
-0.67224029E-07 0.30519677E-10-0.27278244E+05	0.18920250E+02	4
c9h19qjD c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.25917749E+02 0.48768431E-01-0.15325058E-04	0.23135645E-08-0.13731098E-12	2
-0.34110551E+05-0.97436684E+02 0.44519591E+01	0.83205208E-01 0.10679204E-04	3
-0.67224029E-07 0.30519677E-10-0.27278242E+05	0.18919788E+02	4
c9h19qjE c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.25917749E+02 0.48768431E-01-0.15325058E-04	0.23135645E-08-0.13731098E-12	2
-0.34110551E+05-0.98129898E+02 0.44519591E+01	0.83205208E-01 0.10679204E-04	3
-0.67224029E-07 0.30519677E-10-0.27278242E+05	0.18226576E+02	4
c9h18rAqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26344187E+02 0.46850391E-01-0.14368175E-04	0.21348647E-08-0.12549568E-12	2
-0.27934818E+05-0.95220055E+02 0.52131855E+01	0.1178519900E+00-0.81049620E-04	3
0.24465434E-07-0.92238229E-12-0.20808869E+05	0.38252827E+02	4
c9h18rBqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26368946E+02 0.46831865E-01-0.14363258E-04	0.21343007E-08-0.12547133E-12	2
-0.26077926E+05-0.95349937E+02 0.50118494E+00	0.11802722E+00-0.81265382E-04	3

0.24508493E-07-0.89410424E-12-0.18946953E+05	0.38328033E+02	4
c9h18rCqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26368946E+02 0.46831865E-01-0.14363258E-04	0.21343007E-08-0.12547133E-12	2
-0.26077926E+05-0.95349937E+02 0.50118494E+00	0.11802722E+00-0.81265382E-04	3
0.24508493E-07-0.89410424E-12-0.18946953E+05	0.38328033E+02	4
c9h18rDqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26368946E+02 0.46831865E-01-0.14363258E-04	0.21343007E-08-0.12547133E-12	2
-0.26077926E+05-0.95349937E+02 0.50118494E+00	0.11802722E+00-0.81265382E-04	3
0.24508493E-07-0.89410424E-12-0.18946953E+05	0.38328033E+02	4
c9h18rEqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26473988E+02 0.46643920E-01-0.14252324E-04	0.21079569E-08-0.12330019E-12	2
-0.26119617E+05-0.95934296E+02 0.39279738E+00	0.11877508E+00-0.83053557E-04	3
0.26286820E-07-0.15216977E-11-0.18935293E+05	0.38787628E+02	4
c9h18rFqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26473988E+02 0.46643920E-01-0.14252324E-04	0.21079569E-08-0.12330019E-12	2
-0.26119617E+05-0.95934296E+02 0.39279738E+00	0.11877508E+00-0.83053557E-04	3
0.26286820E-07-0.15216977E-11-0.18935293E+05	0.38787628E+02	4
c9h18rGqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26473988E+02 0.46643920E-01-0.14252324E-04	0.21079569E-08-0.12330019E-12	2
-0.26119617E+05-0.95934296E+02 0.39279738E+00	0.11877508E+00-0.83053557E-04	3
0.26286820E-07-0.15216977E-11-0.18935293E+05	0.38787628E+02	4
c9h18rHqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26239941E+02 0.47101047E-01-0.14460212E-04	0.21459561E-08-0.12581522E-12	2
-0.26074791E+05-0.94737976E+02 0.11575696E+01	0.11331352E+00-0.71085407E-04	3
0.15671091E-07 0.18845383E-11-0.19006945E+05	0.35614079E+02	4
c9h18rIqA c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26777912E+02 0.46715908E-01-0.14357254E-04	0.21344824E-08-0.12541393E-12	2
-0.25170102E+05-0.97914711E+02 0.51517880E+00	0.11698255E+00-0.76151468E-04	3
0.18659977E-07 0.11665074E-11-0.17832375E+05	0.38300812E+02	4
c9h18rAqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26860716E+02 0.46836983E-01-0.14441613E-04	0.21527566E-08-0.12676073E-12	2
-0.27913566E+05-0.98685249E+02 0.47733593E+01	0.89312449E-01-0.90003341E-05	3
-0.47773110E-07 0.24076892E-10-0.21236963E+05	0.19283745E+02	4
c9h18rBqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.25970720E+02 0.47265381E-01-0.14515322E-04	0.21566009E-08-0.12664800E-12	2
-0.31153859E+05-0.93794388E+02 0.54415913E+01	0.86477503E-01-0.84065723E-05	3
-0.45665825E-07 0.23026124E-10-0.24941992E+05	0.15901926E+02	4
c9h18rCqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26483135E+02 0.46894185E-01-0.14411439E-04	0.21436999E-08-0.12606752E-12	2
-0.28480822E+05-0.96293015E+02 0.45698047E+01	0.91696084E-01-0.17385441E-04	3
-0.38612189E-07 0.20830029E-10-0.21979354E+05	0.20110281E+02	4
c9h18rDqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26483135E+02 0.46894185E-01-0.14411439E-04	0.21436999E-08-0.12606752E-12	2
-0.28480822E+05-0.96293015E+02 0.45698047E+01	0.91696084E-01-0.17385441E-04	3
-0.38612189E-07 0.20830029E-10-0.21979354E+05	0.20110281E+02	4
c9h18rEqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26483135E+02 0.46894185E-01-0.14411439E-04	0.21436999E-08-0.12606752E-12	2
-0.28480822E+05-0.96293015E+02 0.45698047E+01	0.91696084E-01-0.17385441E-04	3
-0.38612189E-07 0.20830029E-10-0.21979354E+05	0.20110281E+02	4
c9h18rFqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26483135E+02 0.46894185E-01-0.14411439E-04	0.21436999E-08-0.12606752E-12	2
-0.28480822E+05-0.96293015E+02 0.45698047E+01	0.91696084E-01-0.17385441E-04	3
-0.38612189E-07 0.20830029E-10-0.21979354E+05	0.20110281E+02	4
c9h18rGqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26483135E+02 0.46894185E-01-0.14411439E-04	0.21436999E-08-0.12606752E-12	2
-0.28480822E+05-0.96293015E+02 0.45698047E+01	0.91696084E-01-0.17385441E-04	3
-0.38612189E-07 0.20830029E-10-0.21979354E+05	0.20110281E+02	4
c9h18rHqB c 9h 19o 2 G	0300.00 5000.00 1000.00	1
0.26232813E+02 0.47381770E-01-0.14638063E-04	0.21862689E-08-0.12896644E-12	2
-0.28430477E+05-0.95008713E+02 0.57525477E+01	0.83322354E-01 0.16063391E-05	3
-0.56261570E-07 0.26731959E-10-0.22095531E+05	0.15168555E+02	4

c9h18rIqB	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26861151E+02	0.46832934E-01	-0.14437405E-04	0.21513935E-08	-0.12662346E-12					2
-0.27561406E+05	-0.98687531E+02	0.51266885E+01	0.86858250E-01	-0.30980741E-05					3
-0.53669378E-07	0.26164716E-10	-0.20922457E+05	0.17787926E+02						4
c9h18rAqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26861151E+02	0.46832934E-01	-0.14437405E-04	0.21513935E-08	-0.12662346E-12					2
-0.27289664E+05	-0.98687531E+02	0.51266885E+01	0.86858250E-01	-0.30980741E-05					3
-0.53669378E-07	0.26164716E-10	-0.20650715E+05	0.17787926E+02						4
c9h18rBqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26232813E+02	0.47381770E-01	-0.14638063E-04	0.21862689E-08	-0.12896644E-12					2
-0.28158736E+05	-0.95008713E+02	0.57525477E+01	0.83322354E-01	0.16063391E-05					3
-0.56261570E-07	0.26731959E-10	-0.21823791E+05	0.15168555E+02						4
c9h18rCqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26235876E+02	0.46750482E-01	-0.14272105E-04	0.21099424E-08	-0.12340037E-12					2
-0.30938143E+05	-0.95160652E+02	0.42163682E+01	0.95128782E-01	-0.28024398E-04					3
-0.27428543E-07	0.16927680E-10	-0.24549281E+05	0.21025965E+02						4
c9h18rDqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12					2
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04					3
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02						4
c9h18rEqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12					2
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04					3
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02						4
c9h18rFqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.52176769E+02	0.99439938E-02	-0.12386784E-05	0.90972098E-10	-0.32409115E-14					2
-0.39322594E+05	-0.24274733E+03	0.10758094E+01	0.11839948E+00	-0.89050838E-04					3
0.41901604E-07	-0.11340823E-10	-0.21363797E+05	0.34593719E+02						4
c9h18rGqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12					2
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04					3
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02						4
c9h18rHqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26232813E+02	0.47381770E-01	-0.14638063E-04	0.21862689E-08	-0.12896644E-12					2
-0.28158736E+05	-0.95008713E+02	0.57525477E+01	0.83322354E-01	0.16063391E-05					3
-0.56261570E-07	0.26731959E-10	-0.21823791E+05	0.15168555E+02						4
c9h18rIqC	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26861151E+02	0.46832934E-01	-0.14437405E-04	0.21513935E-08	-0.12662346E-12					2
-0.27289664E+05	-0.98687531E+02	0.51266885E+01	0.86858250E-01	-0.30980741E-05					3
-0.53669378E-07	0.26164716E-10	-0.20650715E+05	0.17787926E+02						4
c9h18rAqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26861151E+02	0.46832934E-01	-0.14437405E-04	0.21513935E-08	-0.12662346E-12					2
-0.27289664E+05	-0.98687531E+02	0.51266885E+01	0.86858250E-01	-0.30980741E-05					3
-0.53669378E-07	0.26164716E-10	-0.20650715E+05	0.17787926E+02						4
c9h18rBqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26232813E+02	0.47381770E-01	-0.14638063E-04	0.21862689E-08	-0.12896644E-12					2
-0.28158736E+05	-0.95008713E+02	0.57525477E+01	0.83322354E-01	0.16063391E-05					3
-0.56261570E-07	0.26731959E-10	-0.21823791E+05	0.15168555E+02						4
c9h18rCqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12					2
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04					3
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02						4
c9h18rDqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26235876E+02	0.46750482E-01	-0.14272105E-04	0.21099424E-08	-0.12340037E-12					2
-0.30938143E+05	-0.95160652E+02	0.42163682E+01	0.95128782E-01	-0.28024398E-04					3
-0.27428543E-07	0.16927680E-10	-0.24549281E+05	0.21025965E+02						4
c9h18rEqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12					2
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04					3
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02						4
c9h18rFqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1

0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12	2				
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04	3				
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02		4				
c9h18rGqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12	2				
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04	3				
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02		4				
c9h18rHqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26232813E+02	0.47381770E-01	-0.14638063E-04	0.21862689E-08	-0.12896644E-12	2				
-0.28158736E+05	-0.95008713E+02	0.57525477E+01	0.83322354E-01	0.16063391E-05	3				
-0.56261570E-07	0.26731959E-10	-0.21823791E+05	0.15168555E+02		4				
c9h18rIqD	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26861151E+02	0.46832934E-01	-0.14437405E-04	0.21513935E-08	-0.12662346E-12	2				
-0.27289664E+05	-0.98687531E+02	0.51266885E+01	0.86858250E-01	-0.30980741E-05	3				
-0.53669378E-07	0.26164716E-10	-0.20650715E+05	0.17787926E+02		4				
c9h18rAqE	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26861151E+02	0.46832934E-01	-0.14437405E-04	0.21513935E-08	-0.12662346E-12	2				
-0.27289664E+05	-0.98687531E+02	0.51266885E+01	0.86858250E-01	-0.30980741E-05	3				
-0.53669378E-07	0.26164716E-10	-0.20650715E+05	0.17787926E+02		4				
c9h18rBqE	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26232813E+02	0.47381770E-01	-0.14638063E-04	0.21862689E-08	-0.12896644E-12	2				
-0.28158736E+05	-0.95008713E+02	0.57525477E+01	0.83322354E-01	0.16063391E-05	3				
-0.56261570E-07	0.26731959E-10	-0.21823791E+05	0.15168555E+02		4				
c9h18rCqE	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12	2				
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04	3				
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02		4				
c9h18rDqE	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26483135E+02	0.46894185E-01	-0.14411439E-04	0.21436999E-08	-0.12606752E-12	2				
-0.28209082E+05	-0.96293015E+02	0.45698047E+01	0.91696084E-01	-0.17385441E-04	3				
-0.38612189E-07	0.20830029E-10	-0.21707613E+05	0.20110281E+02		4				
c9h18rEqE	c	9h	19o	2	G	0300.00	5000.00	1000.00	1
0.26235876E+02	0.46750482E-01	-0.14272105E-04	0.21099424E-08	-0.12340037E-12	2				
-0.30938143E+05	-0.95853737E+02	0.42163682E+01	0.95128782E-01	-0.28024398E-04	3				
-0.27428543E-07	0.16927680E-10	-0.24549281E+05	0.20332882E+02		4				
c9h18qjAqA	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.30955120E+02	0.46759646E-01	-0.14073647E-04	0.20612949E-08	-0.11988045E-12	2				
-0.47701555E+05	-0.11806299E+03	0.35736973E+01	0.10041121E+00	-0.87616290E-05	3				
-0.59550999E-07	0.30002910E-10	-0.39538074E+05	0.27780340E+02		4				
c9h18qjBqA	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.31038488E+02	0.47735918E-01	-0.14599507E-04	0.21608142E-08	-0.12645493E-12	2				
-0.45811762E+05	-0.11696181E+03	0.64382296E+01	0.91654688E-01	0.26842943E-05	3				
-0.65584040E-07	0.31110444E-10	-0.38243316E+05	0.15182489E+02		4				
c9h18qjCqA	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.30950647E+02	0.47892228E-01	-0.14691514E-04	0.21826516E-08	-0.12825572E-12	2				
-0.45776859E+05	-0.11647336E+03	0.66611009E+01	0.90105869E-01	0.64087008E-05	3				
-0.69301954E-07	0.32425375E-10	-0.38267113E+05	0.14238935E+02		4				
c9h18qjDqA	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.30950647E+02	0.47892228E-01	-0.14691514E-04	0.21826516E-08	-0.12825572E-12	2				
-0.45776859E+05	-0.11647339E+03	0.66611009E+01	0.90105869E-01	0.64087008E-05	3				
-0.69301954E-07	0.32425375E-10	-0.38267113E+05	0.14238896E+02		4				
c9h18qjEqA	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.31039066E+02	0.47737852E-01	-0.14602389E-04	0.21618665E-08	-0.12656736E-12	2				
-0.45812902E+05	-0.11696762E+03	0.66236506E+01	0.90364970E-01	0.57900734E-05	3				
-0.68689793E-07	0.32210862E-10	-0.38263105E+05	0.14397618E+02		4				
c9h18qjFqA	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.31039066E+02	0.47737852E-01	-0.14602389E-04	0.21618665E-08	-0.12656736E-12	2				
-0.45812930E+05	-0.11696744E+03	0.66387191E+01	0.90262622E-01	0.60312573E-05	3				
-0.68926539E-07	0.32293460E-10	-0.38264750E+05	0.14333732E+02		4				
c9h18qjGqA	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.31039066E+02	0.47737852E-01	-0.14602389E-04	0.21618665E-08	-0.12656736E-12	2				

-0.45812746E+05-0.11696642E+03 0.65338249E+01 0.90982795E-01 0.43185801E-05	3
-0.67232605E-07 0.31698803E-10-0.38253418E+05 0.14779528E+02	4
c9h18qjHqA c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.30946157E+02 0.47899894E-01-0.14695902E-04 0.21836790E-08-0.12833965E-12	2
-0.46046379E+05-0.11644504E+03 0.64709330E+01 0.91416858E-01 0.32799835E-05	3
-0.66198226E-07 0.31333023E-10-0.38518395E+05 0.15047546E+02	4
c9h18qjIqA c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.30969017E+02 0.47590684E-01-0.14500595E-04 0.21391031E-08-0.12483095E-12	2
-0.43697547E+05-0.11557323E+03 0.21968551E+01 0.11917415E+00-0.64029431E-04	3
0.34980713E-09 0.83943581E-11-0.35464016E+05 0.34825428E+02	4
c9h18qjAqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.31038488E+02 0.47735918E-01-0.14599507E-04 0.21608142E-08-0.12645493E-12	2
-0.45811762E+05-0.11696165E+03 0.64382296E+01 0.91654688E-01 0.26842943E-05	3
-0.65584040E-07 0.31110444E-10-0.38243316E+05 0.15182643E+02	4
c9h18qjBqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.28478655E+02 0.52160636E-01-0.16603331E-04 0.25318954E-08-0.15143767E-12	2
-0.48990281E+05-0.10673918E+03 0.36755686E+01 0.98876841E-01-0.19263166E-05	3
-0.67487122E-07 0.33383959E-10-0.41639961E+05 0.25495577E+02	4
c9h18qjCqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.32579189E+02 0.46041515E-01-0.13945423E-04 0.20496949E-08-0.11938095E-12	2
-0.49015227E+05-0.12634143E+03-0.17879112E+ 0.1375250500E+00-0.10058691E-03	3
0.30320532E-07-0.49455242E-12-0.40111199E+05 0.42450077E+02	4
c9h18qjDqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.32427872E+02 0.46308927E-01-0.14101534E-04 0.20864421E-08-0.12238879E-12	2
-0.48954461E+05-0.12549796E+03 0.28376672E-01 0.13610221E+00-0.97205222E-04	3
0.26980851E-07 0.67551721E-12-0.40133562E+05 0.41570774E+02	4
c9h18qjEqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.32427872E+02 0.46308927E-01-0.14101534E-04 0.20864421E-08-0.12238879E-12	2
-0.48954461E+05-0.12480479E+03 0.28376672E-01 0.13610221E+00-0.97205222E-04	3
0.26980851E-07 0.67551721E-12-0.40133562E+05 0.42263935E+02	4
c9h18qjFqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.32427872E+02 0.46308927E-01-0.14101534E-04 0.20864421E-08-0.12238879E-12	2
-0.48954461E+05-0.12480455E+03 0.28376672E-01 0.13610221E+00-0.97205222E-04	3
0.26980851E-07 0.67551721E-12-0.40133562E+05 0.42264172E+02	4
c9h18qjGqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
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-0.48954461E+05-0.12480402E+03 0.28376672E-01 0.13610221E+00-0.97205222E-04	3
0.26980851E-07 0.67551721E-12-0.40133562E+05 0.42264709E+02	4
c9h18qjHqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.32579189E+02 0.46041515E-01-0.13945423E-04 0.20496949E-08-0.11938095E-12	2
-0.49287281E+05-0.12564702E+03 0.85392639E-04 0.13628313E+00-0.97601645E-04	3
0.27340018E-07 0.56013858E-12-0.40402059E+05 0.42387978E+02	4
c9h18qjIqB c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.30976122E+02 0.47845777E-01-0.14663553E-04 0.21758919E-08-0.12769003E-12	2
-0.46058316E+05-0.11661455E+03 0.64937673E+01 0.91256864E-01 0.36685587E-05	3
-0.66590744E-07 0.31473633E-10-0.38520816E+05 0.14948297E+02	4
c9h18qjAqC c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.30976122E+02 0.47845777E-01-0.14663553E-04 0.21758919E-08-0.12769003E-12	2
-0.45786570E+05-0.11661391E+03 0.64937673E+01 0.91256864E-01 0.36685587E-05	3
-0.66590744E-07 0.31473633E-10-0.38249070E+05 0.14948941E+02	4
c9h18qjBqC c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.32579189E+02 0.46041515E-01-0.13945423E-04 0.20496949E-08-0.11938095E-12	2
-0.49015539E+05-0.12634012E+03 0.85392639E-04 0.13628313E+00-0.97601645E-04	3
0.27340018E-07 0.56013858E-12-0.40130320E+05 0.41694889E+02	4
c9h18qjCqC c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.28478655E+02 0.52160636E-01-0.16603331E-04 0.25318954E-08-0.15143767E-12	2
-0.48990281E+05-0.10673949E+03 0.36755686E+01 0.98876841E-01-0.19263166E-05	3
-0.67487122E-07 0.33383959E-10-0.41639961E+05 0.25495277E+02	4
c9h18qjDqC c 9h 19o 4 G 0300.00 5000.00 1000.00	1
0.32427872E+02 0.46308927E-01-0.14101534E-04 0.20864421E-08-0.12238879E-12	2
-0.48682723E+05-0.12549796E+03 0.28376672E-01 0.13610221E+00-0.97205222E-04	3



0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41570774E+02	4					
c9h18qjEqC	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12	2				
-0.48682723E+05	-0.12549788E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04	3				
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41570850E+02	4					
c9h18qjFqC	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12	2				
-0.48682723E+05	-0.12549763E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04	3				
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41571098E+02	4					
c9h18qjGqC	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12	2				
-0.48682723E+05	-0.12549710E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04	3				
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41571625E+02	4					
c9h18qjHqC	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32579189E+02	0.46041515E-01	-0.13945423E-04	0.20496949E-08	-0.11938095E-12	2				
-0.49015539E+05	-0.12634012E+03	0.85392639E-04	0.13628313E+00	-0.97601645E-04	3				
0.27340018E-07	0.56013858E-12	-0.40130320E+05	0.41694889E+02	4					
c9h18qjIqC	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.30976122E+02	0.47845777E-01	-0.14663553E-04	0.21758919E-08	-0.12769003E-12	2				
-0.45786570E+05	-0.11592143E+03	0.64937673E+01	0.91256864E-01	0.36685587E-05	3				
-0.66590744E-07	0.31473633E-10	-0.38249070E+05	0.15641418E+02	4					
c9h18qjAqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.30976122E+02	0.47845777E-01	-0.14663553E-04	0.21758919E-08	-0.12769003E-12	2				
-0.45786570E+05	-0.11661414E+03	0.64937673E+01	0.91256864E-01	0.36685587E-05	3				
-0.66590744E-07	0.31473633E-10	-0.38249070E+05	0.14948711E+02	4					
c9h18qjBqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32579189E+02	0.46041515E-01	-0.13945423E-04	0.20496949E-08	-0.11938095E-12	2				
-0.49015539E+05	-0.12634012E+03	0.85392639E-04	0.13628313E+00	-0.97601645E-04	3				
0.27340018E-07	0.56013858E-12	-0.40130320E+05	0.41694889E+02	4					
c9h18qjCqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12	2				
-0.48682723E+05	-0.12549710E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04	3				
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41571625E+02	4					
c9h18qjDqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.28478655E+02	0.52160636E-01	-0.16603331E-04	0.25318954E-08	-0.15143767E-12	2				
-0.48990281E+05	-0.10673962E+03	0.36755686E+01	0.98876841E-01	-0.19263166E-05	3				
-0.67487122E-07	0.33383959E-10	-0.41639961E+05	0.25495131E+02	4					
c9h18qjEqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12	2				
-0.48682723E+05	-0.12549788E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04	3				
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41570850E+02	4					
c9h18qjFqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12	2				
-0.48682723E+05	-0.12549763E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04	3				
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41571091E+02	4					
c9h18qjGqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12	2				
-0.48682723E+05	-0.12549710E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04	3				
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41571625E+02	4					
c9h18qjHqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.32579189E+02	0.46041515E-01	-0.13945423E-04	0.20496949E-08	-0.11938095E-12	2				
-0.49015539E+05	-0.12634012E+03	0.85392639E-04	0.13628313E+00	-0.97601645E-04	3				
0.27340018E-07	0.56013858E-12	-0.40130320E+05	0.41694889E+02	4					
c9h18qjIqD	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.30976122E+02	0.47845777E-01	-0.14663553E-04	0.21758919E-08	-0.12769003E-12	2				
-0.45786570E+05	-0.11592136E+03	0.64937673E+01	0.91256864E-01	0.36685587E-05	3				
-0.66590744E-07	0.31473633E-10	-0.38249070E+05	0.15641502E+02	4					
c9h18qjAqE	c	9h	19o	4	G	0300.00	5000.00	1000.00	1
0.30976122E+02	0.47845777E-01	-0.14663553E-04	0.21758919E-08	-0.12769003E-12	2				
-0.45786570E+05	-0.11592122E+03	0.64937673E+01	0.91256864E-01	0.36685587E-05	3				
-0.66590744E-07	0.31473633E-10	-0.38249070E+05	0.15641625E+02	4					

c9h18qjBqE	c	9h	19o	4	G	0300.00	5000.00	1000.00	1	
0.32579189E+02	0.46041515E-01	0.13945423E-04	0.20496949E-08	0.11938095E-12					2	
-0.49015539E+05	-0.12634012E+03	0.85392639E-04	0.13628313E+00	-0.97601645E-04					3	
0.27340018E-07	0.56013858E-12	-0.40130320E+05	0.41694889E+02						4	
c9h18qjCqE	c	9h	19o	4	G	0300.00	5000.00	1000.00	1	
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12					2	
-0.48682723E+05	-0.12549710E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04					3	
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41571625E+02						4	
c9h18qjDqE	c	9h	19o	4	G	0300.00	5000.00	1000.00	1	
0.32427872E+02	0.46308927E-01	-0.14101534E-04	0.20864421E-08	-0.12238879E-12					2	
-0.48682723E+05	-0.12549763E+03	0.28376672E-01	0.13610221E+00	-0.97205222E-04					3	
0.26980851E-07	0.67551721E-12	-0.39861824E+05	0.41571098E+02						4	
c9h18qjEqE	c	9h	19o	4	G	0300.00	5000.00	1000.00	1	
0.28478655E+02	0.52160636E-01	-0.16603331E-04	0.25318954E-08	-0.15143767E-12					2	
-0.48990230E+05	-0.10743262E+03	0.36454315E+01	0.99081539E-01	-0.24086924E-05					3	
-0.67013609E-07	0.33218761E-10	-0.41636668E+05	0.24930279E+02						4	
c9h18o-AB	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
0.54220787E+02	0.37295849E-02	-0.28925851E-06	0.21969595E-10	-0.12185279E-14					2	
-0.50935039E+05	-0.26627145E+03	0.68511850E+00	0.95176205E-01	-0.38116545E-04					3	
-0.13301055E-08	0.12650430E-11	-0.30428816E+05	0.31140984E+02						4	
c9h18o-BC	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
0.25491837E+02	0.45432143E-01	-0.15068784E-04	0.23655131E-08	-0.14431800E-12					2	
-0.41008820E+05	-0.10371906E+03	-0.19395231E+01	0.11144988E+00	-0.64520078E-04					3	
0.10974392E-07	0.20857151E-11	-0.32700787E+05	0.41050835E+02						4	
c9h18o-CD	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
0.25505743E+02	0.45400590E-01	-0.15042233E-04	0.23578521E-08	-0.14361246E-12					2	
-0.40742336E+05	-0.10379461E+03	-0.19177125E+01	0.11129976E+00	-0.64161504E-04					3	
0.10616990E-07	0.22125674E-11	-0.32431400E+05	0.40958286E+02						4	
c9h18o-DE	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
0.25505743E+02	0.45400590E-01	-0.15042233E-04	0.23578521E-08	-0.14361246E-12					2	
-0.40742336E+05	-0.10379461E+03	-0.19177125E+01	0.11129976E+00	-0.64161504E-04					3	
0.10616990E-07	0.22125674E-11	-0.32431400E+05	0.40958286E+02						4	
c9h18o#3	c	9h	18o	1	G	0300.00	5000.00	1000.00	1	
0.20751516E+02	0.53109169E-01	-0.18619254E-04	0.30372509E-08	-0.19015993E-12					2	
-0.39084238E+05	-0.77091675E+02	-0.10779630E+01	0.10479561E+00	-0.46471647E-04					3	
-0.95035428E-08	0.10340567E-10	-0.32784797E+05	0.37488365E+02						4	
c9h18o-AC	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
0.57455284E+02	0.12881232E-02	-0.74070044E-07	0.10913942E-10	-0.86161870E-15					2	
-0.53998305E+05	-0.28827087E+03	0.50904173E+00	0.87393589E-01	-0.21114171E-04					3	
-0.99423492E-08	0.18286752E-11	-0.30969023E+05	0.32374821E+02						4	
c9h18o-BD	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
-0.52760944E+02	0.18693563E+00	-0.91526992E-04	0.18906691E-07	-0.14010413E-11					2	
-0.12941102E+05	0.32632043E+03	-0.69649191E+01	0.13153690E+00	-0.96453827E-04					3	
0.29377718E-07	0.18053954E-11	-0.32654527E+05	0.63542870E+02						4	
c9h18o-CE	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
-0.52652420E+02	0.18672647E+00	-0.91404036E-04	0.18878158E-07	-0.13987504E-11					2	
-0.12707204E+05	0.32572830E+03	-0.71477265E+01	0.13281809E+00	-0.99568366E-04					3	
0.32526632E-07	0.67628482E-12	-0.32363393E+05	0.64315308E+02						4	
c9h18o-DF	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
-0.52652420E+02	0.18672647E+00	-0.91404036E-04	0.18878158E-07	-0.13987504E-11					2	
-0.12707204E+05	0.32434213E+03	-0.71477265E+01	0.13281809E+00	-0.99568366E-04					3	
0.32526632E-07	0.67628482E-12	-0.32363393E+05	0.62929146E+02						4	
c9h18o#4	c	9h	18o	1	G	0300.00	5000.00	1000.00	1	
0.12834952E+02	0.68842724E-01	-0.26673071E-04	0.46667958E-08	-0.30677422E-12					2	
-0.37490941E+05	-0.36652031E+02	-0.93998842E+01	0.15012281E+00	-0.14627981E-03					3	
0.85317865E-07	0.20543556E-10	-0.32142646E+05	0.73639565E+02						4	
c9h18o-AD	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1
0.57717716E+02	0.98878564E-03	0.34258424E-07	-0.13545402E-10	0.11424654E-14					2	
-0.62769398E+05	-0.28943927E+03	0.71783710E+00	0.10049052E+00	-0.44562908E-04					3	
0.13336982E-08	0.74469841E-12	-0.41140188E+05	0.26463823E+02						4	
c9h18o-BE	THERGAS	c	9h	18o	1	G	0300.00	5000.00	1000.00	1

-0.11436962E+02	0.11087813E+00	-0.48648802E-04	0.92896082E-08	-0.64978827E-12	2
-0.36877254E+05	0.98911888E+02	-0.41417184E+01	0.12932250E+00	-0.91954826E-04	3
0.23489365E-07	0.24961882E-11	-0.43138477E+05	0.46207027E+02		4
c9h18o-CF	THERGAS	c 9h 18o 1	G	0300.00 5000.00 1000.00	1
-0.11436962E+02	0.11087813E+00	-0.48648802E-04	0.92896082E-08	-0.64978827E-12	2
-0.36605512E+05	0.98911888E+02	-0.41417184E+01	0.12932250E+00	-0.91954826E-04	3
0.23489365E-07	0.24961882E-11	-0.42866738E+05	0.46207027E+02		4
c9h18o#5		c 9h 18o 1	G	0300.00 5000.00 1000.00	1
0.21920916E+02	0.53503696E-01	-0.19128767E-04	0.31637077E-08	-0.19998517E-12	2
-0.50216125E+05	-0.86968925E+02	-0.48857079E+01	0.13500465E+00	-0.10717843E-03	3
0.40542766E-07	-0.42895635E-11	-0.43336945E+05	0.49291260E+02		4
c9h18o#6		c 9h 18o 1	G	0300.00 5000.00 1000.00	1
0.21920916E+02	0.53503696E-01	-0.19128767E-04	0.31637077E-08	-0.19998517E-12	2
-0.52661785E+05	-0.89686325E+02	-0.48857079E+01	0.13500465E+00	-0.10717843E-03	3
0.40542766E-07	-0.42895635E-11	-0.45782605E+05	0.46573860E+02		4
c9h18o-AE	THERGAS	c 9h 18o 1	G	0300.00 5000.00 1000.00	1
0.57717716E+02	0.98878564E-03	0.34258424E-07	-0.13545402E-10	0.11424654E-14	2
-0.65486801E+05	-0.29215668E+03	0.71783710E+00	0.10049052E+00	-0.44562908E-04	3
0.13336982E-08	0.74469841E-12	-0.43857590E+05	0.23746424E+02		4
c9h18o-BF	THERGAS	c 9h 18o 1	G	0300.00 5000.00 1000.00	1
-0.11436962E+02	0.11087813E+00	-0.48648802E-04	0.92896082E-08	-0.64978827E-12	2
-0.39594656E+05	0.96194489E+02	-0.41417184E+01	0.12932250E+00	-0.91954826E-04	3
0.23489365E-07	0.24961882E-11	-0.45855879E+05	0.43489628E+02		4
c9h18o-CG	THERGAS	c 9h 18o 1	G	0300.00 5000.00 1000.00	1
-0.11436962E+02	0.11087813E+00	-0.48648802E-04	0.92896082E-08	-0.64978827E-12	2
-0.39322914E+05	0.96194489E+02	-0.41417184E+01	0.12932250E+00	-0.91954826E-04	3
0.23489365E-07	0.24961882E-11	-0.45584137E+05	0.43489628E+02		4
c9h19qA	THERGAS	c 9h 20o 2	G	0300.00 5000.00 1000.00	1
0.28012716E+02	0.48133329E-01	-0.15355894E-04	0.23437927E-08	-0.14018776E-12	2
-0.50686820E+05	-0.10751595E+03	0.55414140E+00	0.11442371E+00	-0.65771113E-04	3
0.12139529E-07	0.16232346E-11	-0.42369977E+05	0.37372299E+02		4
c9h19qB	THERGAS	c 9h 20o 2	G	0300.00 5000.00 1000.00	1
0.52552689E+02	0.12292847E-01	-0.18977114E-05	0.16954796E-09	-0.71385548E-14	2
-0.63541996E+05	-0.24733365E+03	0.23825750E+01	0.10538419E+00	-0.48774335E-04	3
0.22046358E-08	0.19078454E-11	-0.45183777E+05	0.28419085E+02		4
c9h19qC	THERGAS	c 9h 20o 2	G	0300.00 5000.00 1000.00	1
0.52552689E+02	0.12292847E-01	-0.18977114E-05	0.16954796E-09	-0.71385548E-14	2
-0.63270254E+05	-0.24733365E+03	0.23825750E+01	0.10538419E+00	-0.48774335E-04	3
0.22046358E-08	0.19078454E-11	-0.44912039E+05	0.28419085E+02		4
c9h19qD	THERGAS	c 9h 20o 2	G	0300.00 5000.00 1000.00	1
0.52552689E+02	0.12292847E-01	-0.18977114E-05	0.16954796E-09	-0.71385548E-14	2
-0.63270254E+05	-0.24733365E+03	0.23825750E+01	0.10538419E+00	-0.48774335E-04	3
0.22046358E-08	0.19078454E-11	-0.44912039E+05	0.28419085E+02		4
c9h19qE	THERGAS	c 9h 20o 2	G	0300.00 5000.00 1000.00	1
0.52552689E+02	0.12292847E-01	-0.18977114E-05	0.16954796E-09	-0.71385548E-14	2
-0.63270254E+05	-0.24802672E+03	0.23825750E+01	0.10538419E+00	-0.48774335E-04	3
0.22046358E-08	0.19078454E-11	-0.44912039E+05	0.27726002E+02		4
c9h19oJA	THERGAS	c 9h 19o 1	G	0300.00 5000.00 1000.00	1
0.25889626E+02	0.44678904E-01	-0.13621532E-04	0.20147730E-08	-0.11803363E-12	2
-0.32146812E+05	-0.10098331E+03	-0.23493445E+01	0.11539201E+00	-0.75087053E-04	3
0.23345649E-07	-0.24685802E-11	-0.23638500E+05	0.47581589E+02		4
c9h19oJB	THERGAS	c 9h 19o 1	G	0300.00 5000.00 1000.00	1
0.49356236E+02	0.11019588E-01	-0.15292540E-05	0.12519824E-09	-0.49643038E-14	2
-0.43574855E+05	-0.23497281E+03	-0.22032407E+00	0.10426953E+00	-0.53089923E-04	3
0.84217033E-08	-0.41878615E-12	-0.25427736E+05	0.37358292E+02		4
c9h19oJC	THERGAS	c 9h 19o 1	G	0300.00 5000.00 1000.00	1
0.49356236E+02	0.11019588E-01	-0.15292540E-05	0.12519824E-09	-0.49643038E-14	2
-0.43303039E+05	-0.23497423E+03	-0.26552942E+00	0.10457657E+00	-0.53813488E-04	3
0.91319636E-08	-0.66658408E-12	-0.25151055E+05	0.37549084E+02		4
c9h19oJD	THERGAS	c 9h 19o 1	G	0300.00 5000.00 1000.00	1
0.49356236E+02	0.11019588E-01	-0.15292540E-05	0.12519824E-09	-0.49643038E-14	2

-0.43303195E+05-0.23497520E+03-0.17580587E+00	0.10395946E+00-0.52343661E-04	3
0.76764293E-08-0.15510724E-12-0.25160732E+05	0.37167831E+02	4
c9h19oJE THERGAS c 9h 19o 1 G	0300.00 5000.00 1000.00	1
0.49356236E+02 0.11019588E-01-0.15292540E-05	0.12519824E-09-0.49643038E-14	2
-0.43303195E+05-0.23566843E+03-0.17580587E+00	0.10395946E+00-0.52343661E-04	3
0.76764293E-08-0.15510724E-12-0.25160732E+05	0.36474602E+02	4
c9h17oAqB THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.57564270E+02 0.47556795E-02-0.34552519E-06	0.11218278E-10 0.10192661E-15	2
-0.74547703E+05-0.27205838E+03 0.34202495E+01	0.10238295E+00-0.47393198E-04	3
0.24588380E-08 0.11120346E-11-0.54369055E+05	0.26757969E+02	4
c9h17oAqC THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.99868307E+01 0.76582126E-01-0.29372020E-04	0.51015396E-08-0.33358011E-12	2
-0.55248777E+05-0.22507935E+01 0.12709715E+01	0.11825272E+00-0.78076853E-04	3
0.18621957E-07 0.18200452E-11-0.54944102E+05	0.35592842E+02	4
c9h17oAqD THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.10022679E+02 0.76522343E-01-0.29341363E-04	0.50951545E-08-0.33310862E-12	2
-0.55263305E+05-0.24515686E+01 0.11904956E+01	0.11880637E+00-0.79394660E-04	3
0.19925789E-07 0.13622130E-11-0.54935426E+05	0.35934254E+02	4
c9h17oAqE THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.10022679E+02 0.76522343E-01-0.29341363E-04	0.50951545E-08-0.33310862E-12	2
-0.55263305E+05-0.24515686E+01 0.11904956E+01	0.11880637E+00-0.79394660E-04	3
0.19925789E-07 0.13622130E-11-0.54935426E+05	0.35934254E+02	4
c9h17oBqA THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.99080772E+01 0.75885788E-01-0.28897963E-04	0.49948157E-08-0.32552468E-12	2
-0.56139234E+05-0.18210754E+01 0.19086102E+01	0.11480793E+00-0.76394666E-04	3
0.20878485E-07 0.29800926E-12-0.55864230E+05	0.32813053E+02	4
c9h17oBqC THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.52639149E+02 0.10751194E-01-0.15841994E-05	0.13627209E-09-0.55901312E-14	2
-0.75996617E+05-0.24420425E+03 0.25104384E+01	0.10552572E+00-0.52689385E-04	3
0.57669118E-08 0.82112529E-12-0.57793113E+05	0.30767122E+02	4
c9h17oBqD THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.11327724E+02 0.74158520E-01-0.28150040E-04	0.48553628E-08-0.31601127E-12	2
-0.59477828E+05-0.10366516E+02 0.81986332E+00	0.11904002E+00-0.80284874E-04	3
0.21951815E-07 0.28604208E-12-0.58426965E+05	0.37555798E+02	4
c9h17oBqE THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.11550725E+02 0.73779374E-01-0.27955592E-04	0.48148165E-08-0.31300516E-12	2
-0.59567000E+05-0.11613739E+02 0.11634083E+01	0.11666089E+00-0.74588497E-04	3
0.16294116E-07 0.22758696E-11-0.58463738E+05	0.36100586E+02	4
c9h17oBqF THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.11550725E+02 0.73779374E-01-0.27955592E-04	0.48148165E-08-0.31300516E-12	2
-0.59567000E+05-0.11613739E+02 0.11634083E+01	0.11666089E+00-0.74588497E-04	3
0.16294116E-07 0.22758696E-11-0.58463738E+05	0.36100586E+02	4
c9h17oCqA THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.26330712E+01 0.88236339E-01-0.35123732E-04	0.62633991E-08-0.41729909E-12	2
-0.53882910E+05 0.39012688E+02 0.10333081E+01	0.11793247E+00-0.78747551E-04	3
0.19317822E-07 0.19547415E-11-0.56327953E+05	0.37234768E+02	4
c9h17oCqB THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.20427570E+01 0.90380341E-01-0.36406032E-04	0.65445089E-08-0.43841737E-12	2
-0.55231008E+05 0.41258247E+02-0.58227444E+00	0.12484038E+00-0.85723135E-04	3
0.21424613E-07 0.20497033E-11-0.57614609E+05	0.44007767E+02	4
c9h17oCqD THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
0.20427570E+01 0.90380341E-01-0.36406032E-04	0.65445089E-08-0.43841737E-12	2
-0.55231004E+05 0.41258247E+02-0.58227444E+00	0.12484038E+00-0.85723135E-04	3
0.21424613E-07 0.20497033E-11-0.57614605E+05	0.44007767E+02	4
c9h17oCqE THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
-0.16393070E+01 0.96133098E-01-0.39269718E-04	0.71291089E-08-0.48091864E-12	2
-0.54401484E+05 0.62303436E+02 0.51356161E+00	0.12245560E+00-0.85823747E-04	3
0.23110351E-07 0.14885884E-11-0.58586809E+05	0.38567001E+02	4
c9h17oCqF THERGAS c 9h 18o 3 G	0300.00 5000.00 1000.00	1
-0.17773372E+01 0.96376061E-01-0.39404909E-04	0.71595063E-08-0.48331640E-12	2
-0.54347301E+05 0.63071304E+02 0.65579349E+00	0.12146684E+00-0.83440347E-04	3

0.20720394E-07	0.23389231E-11	-0.58602008E+05	0.37964905E+02		4
c9h17oCqG	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
-0.17773372E+01	0.96376061E-01	-0.39404909E-04	0.71595063E-08	-0.48331640E-12	2
-0.54347301E+05	0.63071304E+02	0.65579349E+00	0.12146684E+00	-0.83440347E-04	3
0.20720394E-07	0.23389231E-11	-0.58602008E+05	0.37964905E+02		4
c9h17oDqA	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
0.26330712E+01	0.88236339E-01	-0.35123732E-04	0.62633991E-08	-0.41729909E-12	2
-0.53882910E+05	0.39012688E+02	0.10333081E+01	0.11793247E+00	-0.78747551E-04	3
0.19317822E-07	0.19547415E-11	-0.56327953E+05	0.37234768E+02		4
c9h17oDqB	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
-0.16393070E+01	0.96133098E-01	-0.39269718E-04	0.71291089E-08	-0.48091864E-12	2
-0.54673227E+05	0.62303436E+02	0.51356161E+00	0.12245560E+00	-0.85823747E-04	3
0.23110351E-07	0.14885884E-11	-0.58858551E+05	0.38567001E+02		4
c9h17oDqC	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
0.20427570E+01	0.90380341E-01	-0.36406032E-04	0.65445089E-08	-0.43841737E-12	2
-0.55231008E+05	0.41258247E+02	-0.58227444E+00	0.12484038E+00	-0.85723135E-04	3
0.21424613E-07	0.20497033E-11	-0.57614609E+05	0.44007767E+02		4
c9h17oDqE	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
0.21169822E+01	0.90259723E-01	-0.36359546E-04	0.65385501E-08	-0.43824422E-12	2
-0.55259289E+05	0.40843750E+02	-0.32865819E+00	0.12310668E+00	-0.81626393E-04	3
0.17406423E-07	0.34464382E-11	-0.57642086E+05	0.42930302E+02		4
c9h17oDqF	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
-0.17223836E+01	0.96284375E-01	-0.39364371E-04	0.71527038E-08	-0.48293444E-12	2
-0.54368180E+05	0.62765465E+02	0.63761193E+00	0.12159612E+00	-0.83763305E-04	3
0.21059840E-07	0.22115831E-11	-0.58600090E+05	0.38041573E+02		4
c9h17oDqG	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
-0.17223836E+01	0.96284375E-01	-0.39364371E-04	0.71527038E-08	-0.48293444E-12	2
-0.54368180E+05	0.62765465E+02	0.63761193E+00	0.12159612E+00	-0.83763305E-04	3
0.21059840E-07	0.22115831E-11	-0.58600090E+05	0.38041573E+02		4
c9h17oDqH	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
-0.17223836E+01	0.96284375E-01	-0.39364371E-04	0.71527038E-08	-0.48293444E-12	2
-0.54639922E+05	0.62765465E+02	0.63761193E+00	0.12159612E+00	-0.83763305E-04	3
0.21059840E-07	0.22115831E-11	-0.58871832E+05	0.38041573E+02		4
c9h17oEqA	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
0.26330712E+01	0.88236339E-01	-0.35123732E-04	0.62633991E-08	-0.41729909E-12	2
-0.53882910E+05	0.39012688E+02	0.10333081E+01	0.11793247E+00	-0.78747551E-04	3
0.19317822E-07	0.19547415E-11	-0.56327953E+05	0.37234768E+02		4
c9h17oEqB	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
-0.14182608E+01	0.95756039E-01	-0.39085102E-04	0.70931745E-08	-0.47845793E-12	2
-0.54758906E+05	0.61071960E+02	0.69998366E+00	0.12119029E+00	-0.82862774E-04	3
0.20241577E-07	0.24716947E-11	-0.58878859E+05	0.37773891E+02		4
c9h17oEqC	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
-0.14182608E+01	0.95756039E-01	-0.39085102E-04	0.70931745E-08	-0.47845793E-12	2
-0.54487168E+05	0.61071960E+02	0.69998366E+00	0.12119029E+00	-0.82862774E-04	3
0.20241577E-07	0.24716947E-11	-0.58607117E+05	0.37773891E+02		4
c9h17oEqD	ThERGAS	c 9h 18o 3	G 0300.00 5000.00 1000.00		1
0.20427570E+01	0.90380341E-01	-0.36406032E-04	0.65445089E-08	-0.43841737E-12	2
-0.55231008E+05	0.41258247E+02	-0.58227444E+00	0.12484038E+00	-0.85723135E-04	3
0.21424613E-07	0.20497033E-11	-0.57614609E+05	0.44007767E+02		4
c8h17hco		c 9h 18o 1	G 0300.00 5000.00 1000.00		1
0.18849661E+02	0.54086044E-01	-0.18779167E-04	0.30409297E-08	-0.18933939E-12	2
-0.46995488E+05	-0.61316322E+02	-0.13642266E+00	0.10484816E+00	-0.61872401E-04	3
0.11904929E-07	0.22320409E-11	-0.41726328E+05	0.37059387E+02		4
c8h17co		c 9h 17o 1	G 0300.00 5000.00 1000.00		1
0.21888067E+02	0.17680371E-01	-0.45973793E-05	0.60718119E-09	-0.32980075E-13	2
-0.31535605E+05	-0.78729637E+02	0.63410324E+00	0.80357298E-01	-0.71632960E-04	3
0.30559153E-07	-0.43843913E-11	-0.25892623E+05	0.30032263E+02		4
nonanone		c 9h 18o 1	G 0300.00 5000.00 1000.00		1
0.18097973E+02	0.55170428E-01	-0.19291803E-04	0.31430401E-08	-0.19671214E-12	2
-0.50390156E+05	-0.57728271E+02	-0.41810483E+00	0.10439084E+00	-0.60891307E-04	3
0.11825490E-07	0.19934597E-11	-0.45226434E+05	0.38313908E+02		4

c8h15hco	c	9h	16o	10	OG	300.00	5000.00	1000.00	1
0.13349758E+02	0.35031658E-01	-0.11402005E-04	0.17652914E-08	-0.10663082E-12					2
-0.74649297E+04	-0.33384865E+02	0.10643209E+01	0.71520865E-01	-0.49151753E-04					3
0.17507743E-07	-0.23133568E-11	-0.43351152E+04	0.29169792E+02						4
c8h15co	c	9h	15o	10	OG	300.00	5000.00	1000.00	1
0.16587967E+02	0.48158672E-01	-0.16050735E-04	0.25251210E-08	-0.15411403E-12					2
-0.14158391E+05	-0.46640251E+02	0.70414251E+00	0.94714582E-01	-0.61767365E-04					3
0.18736934E-07	-0.13444726E-11	-0.10128525E+05	0.34277374E+02						4
C9h18o4h2	c	9h	20o	4	G	0300.00	5000.00	1000.00	1
0.24995127E+02	0.60753368E-01	-0.20876956E-04	0.33584091E-08	-0.20828047E-12					2
-0.65378984E+05	-0.86457504E+02	0.54911180E+01	0.91481999E-01	0.17644292E-04					3
-0.86451479E-07	0.39944201E-10	-0.59657730E+05	0.18180676E+02						4

! Mécanismes C10

nc10h22	Burcat	c	10h	22o	0	G	200.000	6000.000	1000.	1
2.94782956E+01	4.90518943E-02	-1.70317179E-05	2.72919300E-09	-1.63370772E-13						2
-4.43022624E+04	-1.24062121E+02	1.54328173E+01	-1.32979232E-02	2.82480581E-04						3
-3.65923298E-07	1.45372117E-10	-3.58632831E+04	-2.79454341E+01	-3.00118419E+04						4
Ac10h21	ThERGAS	c	10h	21o	0	G	0300.00	5000.00	1000.00	1
0.29289494E+02	0.44858422E-01	-0.13285377E-04	0.19239812E-08	-0.11105890E-12						2
-0.19297439E+05	-0.11961883E+03	-0.23457701E+01	0.12576105E+00	-0.90471971E-04						3
0.36575912E-07	-0.68510280E-11	-0.96996123E+04	0.46734844E+02							4
Bc10h21	ThERGAS	c	10h	21o	0	G	0300.00	5000.00	1000.00	1
0.28721216E+02	0.45296576E-01	-0.13418864E-04	0.19426223E-08	-0.11204689E-12						2
-0.20189984E+05	-0.11627267E+03	-0.17286946E+01	0.12228124E+00	-0.85891297E-04						3
0.34097770E-07	-0.63213857E-11	-0.10871845E+05	0.44153362E+02							4
Cc10h21	ThERGAS	c	10h	21o	0	G	0300.00	5000.00	1000.00	1
0.28943338E+02	0.44864088E-01	-0.13227064E-04	0.19083009E-08	-0.10981151E-12						2
-0.20230213E+05	-0.11740305E+03	-0.27808838E+01	0.12973601E+00	-0.10264371E-03						3
0.49483184E-07	-0.11413218E-10	-0.10769443E+05	0.48544094E+02							4
Dc10h21	ThERGAS	c	10h	21o	0	G	0300.00	5000.00	1000.00	1
0.28943338E+02	0.44864088E-01	-0.13227064E-04	0.19083009E-08	-0.10981151E-12						2
-0.20230213E+05	-0.11740305E+03	-0.27808838E+01	0.12973601E+00	-0.10264371E-03						3
0.49483184E-07	-0.11413218E-10	-0.10769443E+05	0.48544094E+02							4
Ec10h21	ThERGAS	c	10h	21o	0	G	0300.00	5000.00	1000.00	1
0.28943338E+02	0.44864088E-01	-0.13227064E-04	0.19083009E-08	-0.10981151E-12						2
-0.20230213E+05	-0.11740305E+03	-0.27808838E+01	0.12973601E+00	-0.10264371E-03						3
0.49483184E-07	-0.11413218E-10	-0.10769443E+05	0.48544094E+02							4
c10h20-1	ThERGAS	c	10h	20o	0	G	0300.00	5000.00	1000.00	1
0.26515614E+02	0.47401935E-01	-0.15234082E-04	0.23388456E-08	-0.14053335E-12						2
-0.27861273E+05	-0.10628592E+03	-0.13102103E+01	0.11162337E+00	-0.62163563E-04						3
0.11698986E-07	0.10131204E-11	-0.19073770E+05	0.41762913E+02							4
c10h20-2	ThERGAS	c	10h	20o	0	G	0300.00	5000.00	1000.00	1
0.26270830E+02	0.47482774E-01	-0.15228185E-04	0.23336344E-08	-0.13999980E-12						2
-0.29210492E+05	-0.10535822E+03	-0.36696702E+00	0.10725550E+00	-0.57794907E-04						3
0.11021086E-07	0.58397276E-12	-0.20586807E+05	0.37082981E+02							4
c10h20-3	ThERGAS	c	10h	20o	0	G	0300.00	5000.00	1000.00	1
0.26262880E+02	0.47570981E-01	-0.15266503E-04	0.23390054E-08	-0.14021380E-12						2
-0.29251621E+05	-0.10548400E+03	-0.11908791E+01	0.10897692E+00	-0.55881195E-04						3
0.58401444E-08	0.29915332E-11	-0.20464236E+05	0.41111275E+02							4
c10h20-4	ThERGAS	c	10h	20o	0	G	0300.00	5000.00	1000.00	1
0.26199657E+02	0.47684114E-01	-0.15333340E-04	0.23549069E-08	-0.14152728E-12						2
-0.29225643E+05	-0.10512992E+03	-0.16272063E+01	0.11200285E+00	-0.63147709E-04						3
0.13090480E-07	0.42662071E-12	-0.20417543E+05	0.42959148E+02							4
c10h20-5	ThERGAS	c	10h	20o	0	G	0300.00	5000.00	1000.00	1
0.26199657E+02	0.47684114E-01	-0.15333340E-04	0.23549069E-08	-0.14152728E-12						2

-0.29225643E+05-0.10582301E+03-0.16272063E+01	0.11200285E+00-0.63147709E-04	3
0.13090480E-07 0.42662071E-12-0.20417543E+05	0.42266064E+02	4
Cc10h19-1 c 10h 19o 0 G	0300.00 5000.00 1000.00	1
0.27494865E+02 0.42540282E-01-0.12722077E-04	0.18528156E-08-0.10723009E-12	2
-0.12163602E+05-0.11125929E+03-0.97876167E+00	0.11027271E+00-0.68294255E-04	3
0.20409267E-07-0.23581406E-11-0.32210605E+04	0.39860458E+02	4
Dc10h19-2 c 10h 19o 0 G	0300.00 5000.00 1000.00	1
0.27246592E+02 0.42557411E-01-0.12674682E-04	0.18378599E-08-0.10590410E-12	2
-0.14013533E+05-0.11052481E+03 0.11272774E+00	0.10540497E+00-0.63813015E-04	3
0.20245102E-07-0.30956839E-11-0.52611914E+04	0.34242584E+02	4
Ec10h19-3 c 10h 19o 0 G	0300.00 5000.00 1000.00	1
0.27142550E+02 0.42816136E-01-0.12813034E-04	0.18672164E-08-0.10812222E-12	2
-0.14015018E+05-0.11016758E+03-0.96688104E+00	0.10893556E+00-0.66286950E-04	3
0.19467313E-07-0.22515624E-11-0.51119956E+04	0.39292183E+02	4
Fc10h19-4 c 10h 19o 0 G	0300.00 5000.00 1000.00	1
0.27136860E+02 0.42826567E-01-0.12819281E-04	0.18687154E-08-0.10824710E-12	2
-0.14012416E+05-0.11014788E+03-0.10908816E+01	0.10980077E+00-0.68367524E-04	3
0.21543581E-07-0.29860483E-11-0.50988540E+04	0.39803535E+02	4
cl0h21qjA THERGAS c 10h 21o 2 G	0300.00 5000.00 1000.00	1
0.31979937E+02 0.48082475E-01-0.14451008E-04	0.21138327E-08-0.12279458E-12	2
-0.37202098E+05-0.12880710E+03-0.67617643E+00	0.12806146E+00-0.78668651E-04	3
0.18633862E-07 0.23138688E-12-0.27330441E+05	0.43307957E+02	4
cl0h21qjB THERGAS c 10h 21o 2 G	0300.00 5000.00 1000.00	1
0.55662285E+02 0.14006129E-01-0.21194189E-05	0.18302942E-09-0.73446845E-14	2
-0.49763348E+05-0.26397473E+03 0.10483366E+01	0.11973352E+00-0.63358231E-04	3
0.10361060E-07-0.65690285E-13 0.30132996E+05	0.34798996E+02	4
cl0h21qjC THERGAS c 10h 21o 2 G	0300.00 5000.00 1000.00	1
0.55662285E+02 0.14006129E-01-0.21194189E-05	0.18302942E-09-0.73446845E-14	2
-0.49491734E+05-0.26397644E+03 0.11228895E+01	0.11921944E+00-0.62131257E-04	3
0.91439301E-08 0.36260800E-12-0.29869270E+05	0.34481541E+02	4
cl0h21qjD THERGAS c 10h 21o 2 G	0300.00 5000.00 1000.00	1
0.55662285E+02 0.14006129E-01-0.21194189E-05	0.18302942E-09-0.73446845E-14	2
-0.49491688E+05-0.26397681E+03 0.10927527E+01	0.11942415E+00-0.62613639E-04	3
0.96174348E-08 0.19740985E-12-0.29865979E+05	0.34609295E+02	4
cl0h21qjE THERGAS c 10h 21o 2 G	0300.00 5000.00 1000.00	1
0.55662285E+02 0.14006129E-01-0.21194189E-05	0.18302942E-09-0.73446845E-14	2
-0.49491688E+05-0.26397699E+03 0.10927527E+01	0.11942415E+00-0.62613639E-04	3
0.96174348E-08 0.19740985E-12-0.29865979E+05	0.34609100E+02	4
cl0h21qA c 10h 22o 2 G	0300.00 5000.00 1000.00	1
0.30759600E+02 0.52910622E-01-0.16905233E-04	0.25869924E-08-0.15522466E-12	2
-0.54492996E+05-0.12049338E+03 0.33692801E+00	0.12638777E+00-0.73292700E-04	3
0.14357664E-07 0.13862720E-11-0.45264039E+05	0.40066643E+02	4
cl0h21qB c 10h 22o 2 G	0300.00 5000.00 1000.00	1
0.55909317E+02 0.15878398E-01-0.27236485E-05	0.26331784E-09-0.11622039E-13	2
-0.67567781E+05-0.26364542E+03 0.20793314E+01	0.11791994E+00-0.57612586E-04	3
0.56883578E-08 0.12370924E-11-0.48068262E+05	0.31481358E+02	4
cl0h21qC c 10h 22o 2 G	0300.00 5000.00 1000.00	1
0.55909317E+02 0.15878398E-01-0.27236485E-05	0.26331784E-09-0.11622039E-13	2
-0.67296039E+05-0.26364542E+03 0.20793314E+01	0.11791994E+00-0.57612586E-04	3
0.56883578E-08 0.12370924E-11-0.47796516E+05	0.31481358E+02	4
cl0h21qD c 10h 22o 2 G	0300.00 5000.00 1000.00	1
0.55909317E+02 0.15878398E-01-0.27236485E-05	0.26331784E-09-0.11622039E-13	2
-0.67296039E+05-0.26364542E+03 0.20793314E+01	0.11791994E+00-0.57612586E-04	3
0.56883578E-08 0.12370924E-11-0.47796516E+05	0.31481358E+02	4
cl0h21qE c 10h 22o 2 G	0300.00 5000.00 1000.00	1
0.55909317E+02 0.15878398E-01-0.27236485E-05	0.26331784E-09-0.11622039E-13	2
-0.67296039E+05-0.26364542E+03 0.20793314E+01	0.11791994E+00-0.57612586E-04	3
0.56883578E-08 0.12370924E-11-0.47796516E+05	0.31481358E+02	4
cl0h21oJA c 10h 21o 1 G	0300.00 5000.00 1000.00	1
0.28651182E+02 0.49429536E-01-0.15154921E-04	0.22542157E-08-0.13276552E-12	2
-0.35959629E+05-0.11404288E+03-0.20700538E+01	0.12389826E+00-0.74274110E-04	3

0.17223737E-07	0.25091108E-12	0.26585469E+05	0.48176998E+02	4	
c10h21oJB	c	10h	21o	1	
0.52828289E+02	0.14390012E-01	0.22319848E-05	0.19535100E-09	0.78412339E-14	2
-0.47644188E+05	-0.25191972E+03	-0.40917990E+00	0.11602409E+00	-0.60079601E-04	3
0.10084306E-07	0.45193214E-12	0.28324639E+05	0.39936134E+02	4	
c10h21oJC	c	10h	21o	1	
0.52828289E+02	0.14390012E-01	0.22319848E-05	0.19535100E-09	0.78412339E-14	2
-0.47372586E+05	-0.25192172E+03	-0.33452478E+00	0.11550931E+00	-0.58850961E-04	3
0.88655270E-08	0.23054658E-13	0.28060924E+05	0.39617931E+02	4	
c10h21oJD	c	10h	21o	1	
0.52828289E+02	0.14390012E-01	0.22319848E-05	0.19535100E-09	0.78412339E-14	2
-0.47372555E+05	-0.25192224E+03	-0.34959322E+00	0.11561166E+00	-0.59092152E-04	3
0.91022798E-08	0.10565389E-12	0.28059279E+05	0.39681480E+02	4	
c10h21oJE	c	10h	21o	1	
0.52828289E+02	0.14390012E-01	0.22319848E-05	0.19535100E-09	0.78412339E-14	2
-0.47372555E+05	-0.25192245E+03	-0.34959322E+00	0.11561166E+00	-0.59092152E-04	3
0.91022798E-08	0.10565389E-12	0.28059279E+05	0.39681259E+02	4	
c10h20rAqA	c	10h	21o	2	
0.28459442E+02	0.52573264E-01	0.16271346E-04	0.24291729E-08	0.14303012E-12	2
-0.31477102E+05	-0.10461922E+03	0.59737861E+00	0.12767155E+00	-0.83085994E-04	3
0.20811832E-07	0.10803475E-11	0.23732975E+05	0.39720745E+02	4	
c10h20rBqA	c	10h	21o	2	
0.28475998E+02	0.52570734E-01	0.16276803E-04	0.24312972E-08	0.14324433E-12	2
-0.29616828E+05	-0.10470323E+03	0.41093189E+00	0.12898803E+00	-0.86015396E-04	3
0.23540006E-07	0.16516874E-12	0.21853074E+05	0.40502056E+02	4	
c10h20rCqA	c	10h	21o	2	
0.28475998E+02	0.52570734E-01	0.16276803E-04	0.24312972E-08	0.14324433E-12	2
-0.29616828E+05	-0.10470323E+03	0.41093189E+00	0.12898803E+00	-0.86015396E-04	3
0.23540006E-07	0.16516874E-12	0.21853074E+05	0.40502056E+02	4	
c10h20rDqA	c	10h	21o	2	
0.28475998E+02	0.52570734E-01	0.16276803E-04	0.24312972E-08	0.14324433E-12	2
-0.29616828E+05	-0.10470323E+03	0.41093189E+00	0.12898803E+00	-0.86015396E-04	3
0.23540006E-07	0.16516874E-12	0.21853074E+05	0.40502056E+02	4	
c10h20rEqA	c	10h	21o	2	
0.28475998E+02	0.52570734E-01	0.16276803E-04	0.24312972E-08	0.14324433E-12	2
-0.29616828E+05	-0.10470323E+03	0.41093189E+00	0.12898803E+00	-0.86015396E-04	3
0.23540006E-07	0.16516874E-12	0.21853074E+05	0.40502056E+02	4	
c10h20rFqA	c	10h	21o	2	
0.28396265E+02	0.52712884E-01	0.16360435E-04	0.24511029E-08	0.14487271E-12	2
-0.29584795E+05	-0.10425859E+03	0.32975930E+00	0.12953936E+00	-0.87311826E-04	3
0.24808161E-07	0.27540847E-12	0.21844221E+05	0.40847473E+02	4	
c10h20rGqA	c	10h	21o	2	
0.28396265E+02	0.52712884E-01	0.16360435E-04	0.24511029E-08	0.14487271E-12	2
-0.29584795E+05	-0.10425859E+03	0.32975930E+00	0.12953936E+00	-0.87311826E-04	3
0.24808161E-07	0.27540847E-12	0.21844221E+05	0.40847473E+02	4	
c10h20rHqA	c	10h	21o	2	
0.28396265E+02	0.52712884E-01	0.16360435E-04	0.24511029E-08	0.14487271E-12	2
-0.29584795E+05	-0.10425859E+03	0.32975930E+00	0.12953936E+00	-0.87311826E-04	3
0.24808161E-07	0.27540847E-12	0.21844221E+05	0.40847473E+02	4	
c10h20rIqA	c	10h	21o	2	
0.28212860E+02	0.53080518E-01	0.16516071E-04	0.24766538E-08	0.14635405E-12	2
-0.29560547E+05	-0.10334534E+03	0.12003565E+01	0.12336151E+00	-0.73666262E-04	3
0.12558383E-07	0.36963588E-11	0.21927449E+05	0.37223286E+02	4	
c10h20rJqA	c	10h	21o	2	
0.28813601E+02	0.52583888E-01	0.16347774E-04	0.24497906E-08	0.14469438E-12	2
-0.28681256E+05	-0.10687256E+03	0.68095303E+00	0.12615962E+00	-0.76598983E-04	3
0.13381992E-07	0.37552444E-11	0.20765777E+05	0.39391712E+02	4	
c10h20rAqB	c	10h	21o	2	
0.28925842E+02	0.52648898E-01	0.16397245E-04	0.24593363E-08	0.14528865E-12	2
-0.31435486E+05	-0.10780446E+03	0.47963285E+01	0.99480771E-01	-0.11831018E-04	3
-0.50670540E-07	0.25822594E-10	0.24155092E+05	0.20979315E+02	4	



c10h20rBqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.27894627E+02	0.53328440E-01	-0.16618515E-04	0.24982107E-08	-0.14806701E-12					2
-0.34618844E+05	-0.10212566E+03	0.53019609E+01	0.97772479E-01	-0.13940835E-04					3
-0.45867335E-07	0.23818609E-10	-0.27842705E+05	0.18286259E+02						4
c10h20rCqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28498562E+02	0.52798327E-01	-0.16423372E-04	0.24641498E-08	-0.14577700E-12					2
-0.31983961E+05	-0.10513826E+03	0.47969203E+01	0.10043297E+00	-0.16742717E-04					3
-0.45006665E-07	0.23822253E-10	-0.24919096E+05	0.20943521E+02						4
c10h20rDqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28498562E+02	0.52798327E-01	-0.16423372E-04	0.24641498E-08	-0.14577700E-12					2
-0.31983961E+05	-0.10513826E+03	0.47969203E+01	0.10043297E+00	-0.16742717E-04					3
-0.45006665E-07	0.23822253E-10	-0.24919096E+05	0.20943521E+02						4
c10h20rEqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28498562E+02	0.52798327E-01	-0.16423372E-04	0.24641498E-08	-0.14577700E-12					2
-0.31983961E+05	-0.10513826E+03	0.47969203E+01	0.10043297E+00	-0.16742717E-04					3
-0.45006665E-07	0.23822253E-10	-0.24919096E+05	0.20943521E+02						4
c10h20rFqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12					2
-0.31960016E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04					3
-0.43157694E-07	0.23158048E-10	-0.24908158E+05	0.21383787E+02						4
c10h20rGqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12					2
-0.31960016E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04					3
-0.43157694E-07	0.23158048E-10	-0.24908158E+05	0.21383787E+02						4
c10h20rHqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12					2
-0.31960016E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04					3
-0.43157694E-07	0.23158048E-10	-0.24908158E+05	0.21383787E+02						4
c10h20rIqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28266088E+02	0.53252280E-01	-0.16629039E-04	0.25013531E-08	-0.14820172E-12					2
-0.31939924E+05	-0.10395113E+03	0.56969180E+01	0.94039954E-01	-0.25520264E-05					3
-0.57827471E-07	0.28004765E-10	-0.25005314E+05	0.17196367E+02						4
c10h20rJqB	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28939465E+02	0.52625559E-01	-0.16383952E-04	0.24562672E-08	-0.14504126E-12					2
-0.31088889E+05	-0.10788091E+03	0.47963285E+01	0.99480771E-01	-0.11831018E-04					3
-0.50670540E-07	0.25822594E-10	-0.23802830E+05	0.20979315E+02						4
c10h20rAqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28939465E+02	0.52625559E-01	-0.16383952E-04	0.24562672E-08	-0.14504126E-12					2
-0.30817148E+05	-0.10788091E+03	0.47963285E+01	0.99480771E-01	-0.11831018E-04					3
-0.50670540E-07	0.25822594E-10	-0.23531090E+05	0.20979315E+02						4
c10h20rBqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28266088E+02	0.53252280E-01	-0.16629039E-04	0.25013531E-08	-0.14820172E-12					2
-0.31668184E+05	-0.10395113E+03	0.56969180E+01	0.94039954E-01	-0.25520264E-05					3
-0.57827471E-07	0.28004765E-10	-0.24733574E+05	0.17196367E+02						4
c10h20rCqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28143341E+02	0.52844342E-01	-0.16394230E-04	0.24563451E-08	-0.14523890E-12					2
-0.34397582E+05	-0.10340305E+03	0.44792609E+01	0.10363200E+00	-0.26854481E-04					3
-0.34318525E-07	0.20085766E-10	-0.27493064E+05	0.21705643E+02						4
c10h20rDqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28498562E+02	0.52798327E-01	-0.16423372E-04	0.24641498E-08	-0.14577700E-12					2
-0.31712221E+05	-0.10513826E+03	0.47969203E+01	0.10043297E+00	-0.16742717E-04					3
-0.45006665E-07	0.23822253E-10	-0.24647355E+05	0.20943521E+02						4
c10h20rEqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28498562E+02	0.52798327E-01	-0.16423372E-04	0.24641498E-08	-0.14577700E-12					2
-0.31712221E+05	-0.10513826E+03	0.47969203E+01	0.10043297E+00	-0.16742717E-04					3
-0.45006665E-07	0.23822253E-10	-0.24647355E+05	0.20943521E+02						4
c10h20rFqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12					2
-0.31688275E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04					3
-0.43157694E-07	0.23158048E-10	-0.24636418E+05	0.21383787E+02						4
c10h20rGqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1

0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12	2				
-0.31688275E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04	3				
-0.43157694E-07	0.23158048E-10	-0.24636418E+05	0.21383787E+02		4				
c10h20rHqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12	2				
-0.31688275E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04	3				
-0.43157694E-07	0.23158048E-10	-0.24636418E+05	0.21383787E+02		4				
c10h20rIqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28266088E+02	0.53252280E-01	-0.16629039E-04	0.25013531E-08	-0.14820172E-12	2				
-0.31668184E+05	-0.10395113E+03	0.56969180E+01	0.94039954E-01	-0.25520264E-05	3				
-0.57827471E-07	0.28004765E-10	-0.24733574E+05	0.17196367E+02		4				
c10h20rJqC	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28939465E+02	0.52625559E-01	-0.16383952E-04	0.24562672E-08	-0.14504126E-12	2				
-0.30817148E+05	-0.10788091E+03	0.47963285E+01	0.99480771E-01	-0.11831018E-04	3				
-0.50670540E-07	0.25822594E-10	-0.23531090E+05	0.20979315E+02		4				
c10h20rAqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28939465E+02	0.52625559E-01	-0.16383952E-04	0.24562672E-08	-0.14504126E-12	2				
-0.30817148E+05	-0.10788091E+03	0.47963285E+01	0.99480771E-01	-0.11831018E-04	3				
-0.50670540E-07	0.25822594E-10	-0.23531090E+05	0.20979315E+02		4				
c10h20rBqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28266088E+02	0.53252280E-01	-0.16629039E-04	0.25013531E-08	-0.14820172E-12	2				
-0.31668184E+05	-0.10395113E+03	0.56969180E+01	0.94039954E-01	-0.25520264E-05	3				
-0.57827471E-07	0.28004765E-10	-0.24733574E+05	0.17196367E+02		4				
c10h20rCqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12	2				
-0.31688275E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04	3				
-0.43157694E-07	0.23158048E-10	-0.24636418E+05	0.21383787E+02		4				
c10h20rDqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28143341E+02	0.52844342E-01	-0.16394230E-04	0.24563451E-08	-0.14523890E-12	2				
-0.34397582E+05	-0.10340305E+03	0.44792609E+01	0.10363200E+00	-0.26854481E-04	3				
-0.34318525E-07	0.20085766E-10	-0.27493064E+05	0.21705643E+02		4				
c10h20rEqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28498562E+02	0.52798327E-01	-0.16423372E-04	0.24641498E-08	-0.14577700E-12	2				
-0.31712221E+05	-0.10513826E+03	0.47969203E+01	0.10043297E+00	-0.16742717E-04	3				
-0.45006665E-07	0.23822253E-10	-0.24647355E+05	0.20943521E+02		4				
c10h20rFqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12	2				
-0.31688275E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04	3				
-0.43157694E-07	0.23158048E-10	-0.24636418E+05	0.21383787E+02		4				
c10h20rGqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12	2				
-0.31688275E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04	3				
-0.43157694E-07	0.23158048E-10	-0.24636418E+05	0.21383787E+02		4				
c10h20rHqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28441055E+02	0.52897103E-01	-0.16479386E-04	0.24769908E-08	-0.14680398E-12	2				
-0.31688275E+05	-0.10481537E+03	0.46923981E+01	0.10117456E+00	-0.18562074E-04	3				
-0.43157694E-07	0.23158048E-10	-0.24636418E+05	0.21383787E+02		4				
c10h20rIqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28266088E+02	0.53252280E-01	-0.16629039E-04	0.25013531E-08	-0.14820172E-12	2				
-0.31668184E+05	-0.10395113E+03	0.56969180E+01	0.94039954E-01	-0.25520264E-05	3				
-0.57827471E-07	0.28004765E-10	-0.24733574E+05	0.17196367E+02		4				
c10h20rJqD	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28939465E+02	0.52625559E-01	-0.16383952E-04	0.24562672E-08	-0.14504126E-12	2				
-0.30817148E+05	-0.10788091E+03	0.47963285E+01	0.99480771E-01	-0.11831018E-04	3				
-0.50670540E-07	0.25822594E-10	-0.23531090E+05	0.20979315E+02		4				
c10h20rAqE	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28939465E+02	0.52625559E-01	-0.16383952E-04	0.24562672E-08	-0.14504126E-12	2				
-0.30817148E+05	-0.10788091E+03	0.47963285E+01	0.99480771E-01	-0.11831018E-04	3				
-0.50670540E-07	0.25822594E-10	-0.23531090E+05	0.20979315E+02		4				
c10h20rBqE	c	10h	21o	2	G	0300.00	5000.00	1000.00	1
0.28266088E+02	0.53252280E-01	-0.16629039E-04	0.25013531E-08	-0.14820172E-12	2				

-0.31668184E+05-0.10395113E+03 0.56969180E+01 0.94039954E-01-0.25520264E-05	3
-0.57827471E-07 0.28004765E-10-0.24733574E+05 0.17196367E+02	4
c10h20rCqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28441055E+02 0.52897103E-01-0.16479386E-04 0.24769908E-08-0.14680398E-12	2
-0.31688275E+05-0.10481537E+03 0.46923981E+01 0.10117456E+00-0.18562074E-04	3
-0.43157694E-07 0.23158048E-10-0.24636418E+05 0.21383787E+02	4
c10h20rDqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28441055E+02 0.52897103E-01-0.16479386E-04 0.24769908E-08-0.14680398E-12	2
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c10h20rEqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28143341E+02 0.52844342E-01-0.16394230E-04 0.24563451E-08-0.14523890E-12	2
-0.34397582E+05-0.10340305E+03 0.44792609E+01 0.10363200E+00-0.26854481E-04	3
-0.34318525E-07 0.20085766E-10-0.27493064E+05 0.21705643E+02	4
c10h20rFqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28441055E+02 0.52897103E-01-0.16479386E-04 0.24769908E-08-0.14680398E-12	2
-0.31688275E+05-0.10481537E+03 0.46923981E+01 0.10117456E+00-0.18562074E-04	3
-0.43157694E-07 0.23158048E-10-0.24636418E+05 0.21383787E+02	4
c10h20rGqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28441055E+02 0.52897103E-01-0.16479386E-04 0.24769908E-08-0.14680398E-12	2
-0.31688275E+05-0.10481537E+03 0.46923981E+01 0.10117456E+00-0.18562074E-04	3
-0.43157694E-07 0.23158048E-10-0.24636418E+05 0.21383787E+02	4
c10h20rHqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28441055E+02 0.52897103E-01-0.16479386E-04 0.24769908E-08-0.14680398E-12	2
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-0.43157694E-07 0.23158048E-10-0.24636418E+05 0.21383787E+02	4
c10h20rIqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28266088E+02 0.53252280E-01-0.16629039E-04 0.25013531E-08-0.14820172E-12	2
-0.31668184E+05-0.10395113E+03 0.56969180E+01 0.94039954E-01-0.25520264E-05	3
-0.57827471E-07 0.28004765E-10-0.24733574E+05 0.17196367E+02	4
c10h20rJqE c 10h 21o 2 G 0300.00 5000.00 1000.00	1
0.28939465E+02 0.52625559E-01-0.16383952E-04 0.24562672E-08-0.14504126E-12	2
-0.30817148E+05-0.10788091E+03 0.47963285E+01 0.99480771E-01-0.11831018E-04	3
-0.50670540E-07 0.25822594E-10-0.23531090E+05 0.20979315E+02	4
c10h20qjAqA c 10h 21o 4 G 0300.00 5000.00 1000.00	1
0.32985863E+02 0.52628201E-01-0.16060883E-04 0.23757818E-08-0.13911063E-12	2
-0.51208629E+05-0.12698827E+03 0.35473721E+01 0.11093427E+00-0.12473768E-04	3
-0.61542849E-07 0.31420380E-10-0.42451121E+05 0.29682318E+02	4
c10h20qjBqA c 10h 21o 4 G 0300.00 5000.00 1000.00	1
0.33080109E+02 0.53594299E-01-0.16585949E-04 0.24755595E-08-0.14571772E-12	2
-0.49324937E+05-0.12595253E+03 0.64180241E+01 0.10211526E+00-0.83287296E-06	3
-0.67808507E-07 0.32621170E-10-0.41156719E+05 0.17061419E+02	4
c10h20qjCqA c 10h 21o 4 G 0300.00 5000.00 1000.00	1
0.33080109E+02 0.53594299E-01-0.16585949E-04 0.24755595E-08-0.14571772E-12	2
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-0.67808507E-07 0.32621170E-10-0.41156715E+05 0.17061211E+02	4
c10h20qjDqA c 10h 21o 4 G 0300.00 5000.00 1000.00	1
0.33080109E+02 0.53594299E-01-0.16585949E-04 0.24755595E-08-0.14571772E-12	2
-0.49324937E+05-0.12595282E+03 0.64180241E+01 0.10211526E+00-0.83287296E-06	3
-0.67808507E-07 0.32621170E-10-0.41156715E+05 0.17061127E+02	4
c10h20qjEqA c 10h 21o 4 G 0300.00 5000.00 1000.00	1
0.33080109E+02 0.53594299E-01-0.16585949E-04 0.24755595E-08-0.14571772E-12	2
-0.49324937E+05-0.12525974E+03 0.64180241E+01 0.10211526E+00-0.83287296E-06	3
-0.67808507E-07 0.32621170E-10-0.41156715E+05 0.17754217E+02	4
c10h20qjFqA c 10h 21o 4 G 0300.00 5000.00 1000.00	1
0.33080109E+02 0.53594299E-01-0.16585949E-04 0.24755595E-08-0.14571772E-12	2
-0.49324937E+05-0.12525961E+03 0.64180241E+01 0.10211526E+00-0.83287296E-06	3
-0.67808507E-07 0.32621170E-10-0.41156719E+05 0.17754332E+02	4
c10h20qjGqA c 10h 21o 4 G 0300.00 5000.00 1000.00	1
0.33080109E+02 0.53594299E-01-0.16585949E-04 0.24755595E-08-0.14571772E-12	2
-0.49324937E+05-0.12525934E+03 0.64180241E+01 0.10211526E+00-0.83287296E-06	3

-0.67808507E-07	0.32621170E-10	-0.41156719E+05	0.17754601E+02	4	
c10h20qjHqA	c	10h	21o	4	
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12	2
-0.49324992E+05	-0.12525893E+03	0.64481611E+01	0.10191055E+00	-0.35049706E-06	3
-0.68282013E-07	0.32786367E-10	-0.41160012E+05	0.17626896E+02	4	
c10h20qjIqA	c	10h	21o	4	
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12	2
-0.49596598E+05	-0.12525720E+03	0.63736076E+01	0.10242463E+00	-0.15774677E-05	3
-0.67064882E-07	0.32358068E-10	-0.41423734E+05	0.17944387E+02	4	
c10h20qjJqA	c	10h	21o	4	
0.32915627E+02	0.53615347E-01	-0.16582930E-04	0.24762110E-08	-0.14591048E-12	2
-0.47172191E+05	-0.12472626E+03	0.21964145E+01	0.12951265E+00	-0.67287408E-04	3
-0.21048794E-08	0.99785171E-11	-0.38379750E+05	0.35925396E+02	4	
c10h20qjAqB	c	10h	21o	4	
0.32973026E+02	0.53784959E-01	-0.16697939E-04	0.25020401E-08	-0.14789249E-12	2
-0.49281844E+05	-0.12535506E+03	0.62927918E+01	0.10299189E+00	-0.29567620E-05	3
-0.65673191E-07	0.31861014E-10	-0.41143437E+05	0.17590801E+02	4	
c10h20qjBqB	c	10h	21o	4	
0.30388306E+02	0.58260169E-01	-0.18733263E-04	0.28798666E-08	-0.17334711E-12	2
-0.52452211E+05	-0.11499854E+03	0.37225022E+01	0.10889319E+00	-0.44233770E-05	3
-0.70692039E-07	0.35231474E-10	-0.44560867E+05	0.27087095E+02	4	
c10h20qjCqB	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52524566E+05	-0.13525206E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03	3
0.30515071E-07	0.18942989E-12	-0.43008395E+05	0.44972561E+02	4	
c10h20qjDqB	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52524566E+05	-0.13525214E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03	3
0.30515071E-07	0.18942989E-12	-0.43008395E+05	0.44972477E+02	4	
c10h20qjEqB	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52524566E+05	-0.13525214E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03	3
0.30515071E-07	0.18942989E-12	-0.43008395E+05	0.44972485E+02	4	
c10h20qjFqB	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52524566E+05	-0.13525201E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03	3
0.30515071E-07	0.18942989E-12	-0.43008395E+05	0.44972607E+02	4	
c10h20qjGqB	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52524566E+05	-0.13525174E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03	3
0.30515071E-07	0.18942989E-12	-0.43008395E+05	0.44972866E+02	4	
c10h20qjHqB	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52524566E+05	-0.13525119E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03	3
0.30515071E-07	0.18942989E-12	-0.43008395E+05	0.44973419E+02	4	
c10h20qjIqB	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52796277E+05	-0.13524973E+03	-0.36819410E+01	0.1491463300E+00	-0.10683233E-03	3
0.30729982E-07	0.12051423E-12	-0.43278156E+05	0.45048923E+02	4	
c10h20qjJqB	c	10h	21o	4	
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12	2
-0.49596859E+05	-0.12526080E+03	0.65229182E+01	0.10139508E+00	0.87981141E-06	3
-0.69502441E-07	0.33215826E-10	-0.41439785E+05	0.17308374E+02	4	
c10h20qjAqC	c	10h	21o	4	
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12	2
-0.49324937E+05	-0.12595265E+03	0.64180241E+01	0.10211526E+00	-0.83287296E-06	3
-0.67808507E-07	0.32621170E-10	-0.41156715E+05	0.17061287E+02	4	
c10h20qjBqC	c	10h	21o	4	
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2
-0.52524539E+05	-0.13524974E+03	-0.36819410E+01	0.1491463300E+00	-0.10683233E-03	3
0.30729982E-07	0.12051423E-12	-0.43006418E+05	0.45048908E+02	4	

c10h20qjCqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.30500807E+02	0.58060363E-01	-0.18616103E-04	0.28521925E-08	-0.17107585E-12					2
-0.52497586E+05	-0.11562662E+03	0.38273966E+01	0.10817302E+00	-0.27106962E-05					3
-0.72385973E-07	0.35826130E-10	-0.44572203E+05	0.26641506E+02						4
c10h20qjDqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13525214E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.44972477E+02						4
c10h20qjEqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13525214E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.44972485E+02						4
c10h20qjFqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13455893E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45665680E+02						4
c10h20qjGqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13455867E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45665951E+02						4
c10h20qjHqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13455811E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45666512E+02						4
c10h20qjIqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52524539E+05	-0.13455666E+03	-0.36819410E+01	0.1491463300E+00	-0.10683233E-03					3
0.30729982E-07	0.12051423E-12	-0.43006418E+05	0.45741989E+02						4
c10h20qjJqC	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12					2
-0.49325117E+05	-0.12595386E+03	0.65229182E+01	0.10139508E+00	0.87981141E-06					3
-0.69502441E-07	0.33215826E-10	-0.41168047E+05	0.16615330E+02						4
c10h20qjAqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12					2
-0.49324930E+05	-0.12595288E+03	0.64180241E+01	0.10211526E+00	-0.83287296E-06					3
-0.67808507E-07	0.32621170E-10	-0.41156711E+05	0.17061066E+02						4
c10h20qjBqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52524539E+05	-0.13524974E+03	-0.36819410E+01	0.1491463300E+00	-0.10683233E-03					3
0.30729982E-07	0.12051423E-12	-0.43006418E+05	0.45048908E+02						4
c10h20qjCqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13525119E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.44973419E+02						4
c10h20qjDqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.30500807E+02	0.58060363E-01	-0.18616103E-04	0.28521925E-08	-0.17107585E-12					2
-0.52497535E+05	-0.11562663E+03	0.37972596E+01	0.10837772E+00	-0.31930722E-05					3
-0.71912467E-07	0.35660933E-10	-0.44568910E+05	0.26769621E+02						4
c10h20qjEqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13525214E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.44972485E+02						4
c10h20qjFqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13455893E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45665680E+02						4
c10h20qjGqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12					2
-0.52252824E+05	-0.13455865E+03	-0.35101023E+01	0.1490370200E+00	-0.10659422E-03					3
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45665958E+02						4
c10h20qjHqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1

0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52252824E+05	-0.13455811E+03	-0.35101023E+0	0.1490370200E+00	-0.10659422E-03	3				
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45666504E+02		4				
c10h20qjIqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52524539E+05	-0.13455666E+03	-0.36819410E+0	0.1491463300E+00	-0.10683233E-03	3				
0.30729982E-07	0.12051423E-12	-0.43006418E+05	0.45741989E+02		4				
c10h20qjJqD	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12	2				
-0.49325117E+05	-0.12595378E+03	0.65229182E+01	0.10139508E+00	0.87981141E-06	3				
-0.69502441E-07	0.33215826E-10	-0.41168047E+05	0.16615398E+02		4				
c10h20qjAqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12	2				
-0.49325117E+05	-0.12595355E+03	0.65229182E+01	0.10139508E+00	0.87981141E-06	3				
-0.69502441E-07	0.33215826E-10	-0.41168047E+05	0.16615629E+02		4				
c10h20qjBqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52524539E+05	-0.13524974E+03	-0.36819410E+0	0.1491463300E+00	-0.10683233E-03	3				
0.30729982E-07	0.12051423E-12	-0.43006418E+05	0.45048908E+02		4				
c10h20qjCqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52252824E+05	-0.13525119E+03	-0.35101023E+0	0.1490370200E+00	-0.10659422E-03	3				
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.44973419E+02		4				
c10h20qjDqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52252824E+05	-0.13525174E+03	-0.35101023E+0	0.1490370200E+00	-0.10659422E-03	3				
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.44972866E+02		4				
c10h20qjEqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.30500807E+02	0.58060363E-01	-0.18616103E-04	0.28521925E-08	-0.17107585E-12	2				
-0.52497535E+05	-0.11562671E+03	0.37972596E+01	0.10837772E+00	-0.31930722E-05	3				
-0.71912467E-07	0.35660933E-10	-0.44568910E+05	0.26769545E+02		4				
c10h20qjFqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52252824E+05	-0.13455891E+03	-0.35101023E+0	0.1490370200E+00	-0.10659422E-03	3				
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45665699E+02		4				
c10h20qjGqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52252824E+05	-0.13455867E+03	-0.35101023E+0	0.1490370200E+00	-0.10659422E-03	3				
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45665951E+02		4				
c10h20qjHqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52252824E+05	-0.13455811E+03	-0.35101023E+0	0.1490370200E+00	-0.10659422E-03	3				
0.30515071E-07	0.18942989E-12	-0.42736656E+05	0.45666504E+02		4				
c10h20qjIqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.34605728E+02	0.51931810E-01	-0.15951700E-04	0.23693092E-08	-0.13905114E-12	2				
-0.52524539E+05	-0.13455666E+03	-0.36819410E+0	0.1491463300E+00	-0.10683233E-03	3				
0.30729982E-07	0.12051423E-12	-0.43006418E+05	0.45741989E+02		4				
c10h20qjJqE	c	10h	21o	4	G	0300.00	5000.00	1000.00	1
0.33080109E+02	0.53594299E-01	-0.16585949E-04	0.24755595E-08	-0.14571772E-12	2				
-0.49325117E+05	-0.12595369E+03	0.65229182E+01	0.10139508E+00	0.87981141E-06	3				
-0.69502441E-07	0.33215826E-10	-0.41168047E+05	0.16615499E+02		4				
c10h19oAqC	c	10h	20o	3	G	0300.00	5000.00	1000.00	1
0.11590153E+02	0.83182037E-01	-0.31728312E-04	0.54904468E-08	-0.35812512E-12	2				
-0.58589375E+05	-0.87954865E+01	0.11211485E+01	0.12964261E+00	-0.83896506E-04	3				
0.18760506E-07	0.24684259E-11	-0.57844082E+05	0.38015377E+02		4				
c10h19oAqB	c	10h	20o	3	G	0300.00	5000.00	1000.00	1
0.61428921E+02	0.73985080E-02	-0.64650879E-06	0.13065672E-10	0.15063332E-14	2				
-0.78763922E+05	-0.29117169E+03	0.34765215E+01	0.11242943E+00	-0.50264323E-04	3				
0.34509009E-12	0.25391304E-11	-0.57292062E+05	0.28297129E+02		4				
c10h19oAqD	c	10h	20o	3	G	0300.00	5000.00	1000.00	1
0.11444750E+02	0.83441965E-01	-0.31878910E-04	0.55256888E-08	-0.36100173E-12	2				

-0.58531816E+05-0.79862823E+01 0.10217669E+01 0.13032886E+00-0.85535583E-04	3
0.20385862E-07 0.18971864E-11-0.57833406E+05 0.38436638E+02	4
c10h19oAqE c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.11444750E+02 0.83441965E-01-0.31878910E-04 0.55256888E-08-0.36100173E-12	2
-0.58531816E+05-0.79862823E+01 0.10217669E+01 0.13032886E+00-0.85535583E-04	3
0.20385862E-07 0.18971864E-11-0.57833406E+05 0.38436638E+02	4
c10h19oBqA c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.11548145E+02 0.82428657E-01-0.31227239E-04 0.53784204E-08-0.34969507E-12	2
-0.59496086E+05-0.85751190E+01 0.19191738E+01 0.12508427E+00-0.79538993E-04	3
0.18348407E-07 0.18895786E-11-0.58781348E+05 0.34556576E+02	4
c10h19oBqC c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.56025974E+02 0.14278658E-01-0.23769949E-05 0.22432770E-09-0.97358543E-14	2
-0.80033750E+05-0.26068262E+03 0.24955807E+01 0.11607614E+00-0.56793178E-04	3
0.45560511E-08 0.18021726E-11-0.60708680E+05 0.32605965E+02	4
c10h19oBqD c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.13109038E+02 0.80455363E-01-0.30342106E-04 0.52078173E-08-0.33769472E-12	2
-0.62891242E+05-0.17908829E+02 0.78096157E+00 0.12965928E+00-0.84255262E-04	3
0.20250839E-07 0.15820366E-11-0.61338777E+05 0.39508900E+02	4
c10h19oBqE c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.12932843E+02 0.80762722E-01-0.30512985E-04 0.52463913E-08-0.34075439E-12	2
-0.62821281E+05-0.16926941E+02 0.10310204E+01 0.12791343E+00-0.80031365E-04	3
0.16004151E-07 0.30955052E-11-0.61365379E+05 0.38451447E+02	4
c10h19oBqF c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.12932843E+02 0.80762722E-01-0.30512985E-04 0.52463913E-08-0.34075439E-12	2
-0.62821281E+05-0.16926941E+02 0.10310204E+01 0.12791343E+00-0.80031365E-04	3
0.16004151E-07 0.30955052E-11-0.61365379E+05 0.38451447E+02	4
c10h19oCqA c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.42946296E+01 0.94707742E-01-0.37387028E-04 0.66281256E-08-0.43978027E-12	2
-0.57242266E+05 0.32156876E+02 0.53745258E+00 0.13173097E+00-0.90370573E-04	3
0.25262342E-07 0.54501569E-12-0.59191039E+05 0.41121479E+02	4
c10h19oCqB c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.37387495E+01 0.96779443E-01-0.38619233E-04 0.68964798E-08-0.45982337E-12	2
-0.58602602E+05 0.34215248E+02-0.95710278E+00 0.13778599E+00-0.95266427E-04	3
0.25265606E-07 0.13928929E-11-0.60490449E+05 0.47383873E+02	4
c10h19oCqD c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.38045306E+01 0.96669458E-01-0.38568694E-04 0.68873902E-08-0.45925487E-12	2
-0.58628023E+05 0.33848389E+02-0.93580538E+00 0.13766269E+00-0.95032832E-04	3
0.25094911E-07 0.14319886E-11-0.60493059E+05 0.47290333E+02	4
c10h19oCqE c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.14462896E+00 0.10236952E+00-0.41398976E-04 0.74644753E-08-0.50120054E-12	2
-0.57804047E+05 0.54777817E+02 0.39614204E+00 0.13364057E+00-0.91203772E-04	3
0.22865132E-07 0.22531128E-11-0.61490523E+05 0.40849651E+02	4
c10h19oCqF c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.14462896E+00 0.10236952E+00-0.41398976E-04 0.74644753E-08-0.50120054E-12	2
-0.57804047E+05 0.54777817E+02 0.39614204E+00 0.13364057E+00-0.91203772E-04	3
0.22865132E-07 0.22531128E-11-0.61490523E+05 0.40849651E+02	4
c10h19oCqG c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.14462896E+00 0.10236952E+00-0.41398976E-04 0.74644753E-08-0.50120054E-12	2
-0.57804047E+05 0.54777817E+02 0.39614204E+00 0.13364057E+00-0.91203772E-04	3
0.22865132E-07 0.22531128E-11-0.61490523E+05 0.40849651E+02	4
c10h19oDqA c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.42946296E+01 0.94707742E-01-0.37387028E-04 0.66281256E-08-0.43978027E-12	2
-0.57242273E+05 0.32156876E+02 0.53745258E+00 0.13173097E+00-0.90370573E-04	3
0.25262342E-07 0.54501569E-12-0.59191043E+05 0.41121479E+02	4
c10h19oDqB c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.14462896E+00 0.10236952E+00-0.41398976E-04 0.74644753E-08-0.50120054E-12	2
-0.58075793E+05 0.54777817E+02 0.39614204E+00 0.13364057E+00-0.91203772E-04	3
0.22865132E-07 0.22531128E-11-0.61762266E+05 0.40849651E+02	4
c10h19oDqC c 10h 20o 3 G 0300.00 5000.00 1000.00	1
0.39044983E+01 0.96493870E-01-0.38473790E-04 0.68666330E-08-0.45765345E-12	2
-0.58666844E+05 0.33292763E+02-0.97796863E+00 0.13794920E+00-0.95709751E-04	3

0.25763836E-07	0.11961563E-11-0.60488449E+05	0.47469788E+02	4
c10h19oDqE	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.36909566E+01	0.96866585E-01-0.38674560E-04	0.69104171E-08-0.46102179E-12	2
-0.58582883E+05	0.34482254E+02-0.11053472E+01	0.13883355E+00-0.97829798E-04	3
0.27868289E-07	0.45764933E-12-0.60474852E+05	0.48008976E+02	4
c10h19oDqF	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.14462896E+00	0.10236952E+00-0.41398976E-04	0.74644753E-08-0.50120054E-12	2
-0.57804047E+05	0.54777817E+02 0.39614204E+00	0.13364057E+00-0.91203772E-04	3
0.22865132E-07	0.22531128E-11-0.61490523E+05	0.40849651E+02	4
c10h19oDqG	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.14462896E+00	0.10236952E+00-0.41398976E-04	0.74644753E-08-0.50120054E-12	2
-0.57804047E+05	0.54777817E+02 0.39614204E+00	0.13364057E+00-0.91203772E-04	3
0.22865132E-07	0.22531128E-11-0.61490523E+05	0.40849651E+02	4
c10h19oDqH	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.14462896E+00	0.10236952E+00-0.41398976E-04	0.74644753E-08-0.50120054E-12	2
-0.57804047E+05	0.54777817E+02 0.39614204E+00	0.13364057E+00-0.91203772E-04	3
0.22865132E-07	0.22531128E-11-0.61490523E+05	0.40849651E+02	4
c10h19oEqA	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.42946296E+01	0.94707742E-01-0.37387028E-04	0.66281256E-08-0.43978027E-12	2
-0.57242273E+05	0.32156876E+02 0.53745258E+00	0.13173097E+00-0.90370573E-04	3
0.25262342E-07	0.54501569E-12-0.59191043E+05	0.41121479E+02	4
c10h19oEqB	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.29445809E+00	0.10210376E+00-0.41245999E-04	0.74289428E-08-0.49832203E-12	2
-0.58135543E+05	0.53942924E+02 0.47182038E+00	0.13311063E+00-0.89919937E-04	3
0.21575469E-07	0.27115042E-11-0.61770289E+05	0.40529884E+02	4
c10h19oEqC	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.29445809E+00	0.10210376E+00-0.41245999E-04	0.74289428E-08-0.49832203E-12	2
-0.57863805E+05	0.53942924E+02 0.47182038E+00	0.13311063E+00-0.89919937E-04	3
0.21575469E-07	0.27115042E-11-0.61498547E+05	0.40529884E+02	4
c10h19oEqD	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.39044983E+01	0.96493870E-01-0.38473790E-04	0.68666330E-08-0.45765345E-12	2
-0.58666844E+05	0.33292763E+02-0.97796863E+00	0.13794920E+00-0.95709751E-04	3
0.25763836E-07	0.11961563E-11-0.60488449E+05	0.47469788E+02	4
c10h19oEqF	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.36909566E+01	0.96866585E-01-0.38674560E-04	0.69104171E-08-0.46102179E-12	2
-0.58582883E+05	0.34482254E+02-0.11053472E+01	0.13883355E+00-0.97829798E-04	3
0.27868289E-07	0.45764933E-12-0.60474852E+05	0.48008976E+02	4
c10h19oEqG	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.14462896E+00	0.10236952E+00-0.41398976E-04	0.74644753E-08-0.50120054E-12	2
-0.57804047E+05	0.54777817E+02 0.39614204E+00	0.13364057E+00-0.91203772E-04	3
0.22865132E-07	0.22531128E-11-0.61490523E+05	0.40849651E+02	4
c10h19oEqH	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.14462896E+00	0.10236952E+00-0.41398976E-04	0.74644753E-08-0.50120054E-12	2
-0.57804047E+05	0.54777817E+02 0.39614204E+00	0.13364057E+00-0.91203772E-04	3
0.22865132E-07	0.22531128E-11-0.61490523E+05	0.40849651E+02	4
c10h19oEqI	c 10h 20o 3 G	0300.00 5000.00 1000.00	1
0.14462896E+00	0.10236952E+00-0.41398976E-04	0.74644753E-08-0.50120054E-12	2
-0.58075789E+05	0.54777817E+02 0.39614204E+00	0.13364057E+00-0.91203772E-04	3
0.22865132E-07	0.22531128E-11-0.61762262E+05	0.40849651E+02	4
c10h20o-AB	c 10h 20o 1 G	0300.00 5000.00 1000.00	1
0.58130234E+02	0.62915743E-02-0.55257777E-06	0.21835669E-10 0.70520582E-16	2
-0.55167484E+05-0.28563101E+03	0.63083464E+00	0.10598479E+00-0.42805263E-04	3
-0.19886175E-08	0.20604224E-11-0.33339930E+05	0.33148964E+02	4
c10h20o-BC	c 10h 20o 1 G	0300.00 5000.00 1000.00	1
0.27038485E+02	0.52126370E-01-0.17470846E-04	0.27637379E-08-0.16955026E-12	2
-0.44326773E+05-0.10994640E+03-0.21507387E+01		0.12326450E+00-0.71355083E-04	3
0.12118758E-07	0.23816222E-11-0.35594195E+05	0.43733467E+02	4
c10h20o-CD	c 10h 20o 1 G	0300.00 5000.00 1000.00	1
0.27038485E+02	0.52126370E-01-0.17470846E-04	0.27637379E-08-0.16955026E-12	2
-0.44055027E+05-0.10994640E+03-0.21507387E+01		0.12326450E+00-0.71355083E-04	3
0.12118758E-07	0.23816222E-11-0.35322449E+05	0.43733467E+02	4



c10h20o-DE	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
0.27038485E+02	0.52126370E-01	-0.17470846E-04	0.27637379E-08	-0.16955026E-12					2	
-0.44055027E+05	-0.10994640E+03	-0.21507387E+01	0.12326450E+00	-0.71355083E-04					3	
0.12118758E-07	0.23816222E-11	-0.35322449E+05	0.43733467E+02						4	
c10h20o-EF	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
0.27038485E+02	0.52126370E-01	-0.17470846E-04	0.27637379E-08	-0.16955026E-12					2	
-0.44055027E+05	-0.11133257E+03	-0.21507387E+01	0.12326450E+00	-0.71355083E-04					3	
0.12118758E-07	0.23816222E-11	-0.35322449E+05	0.42347309E+02						4	
c10h20o-AC	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
0.61491035E+02	0.36242090E-02	-0.24470569E-06	0.15037149E-10	-0.72402211E-15					2	
-0.58275875E+05	-0.30832449E+03	0.45498490E+00	0.98218016E-01	-0.25881527E-04					3	
-0.10486705E-07	0.25729473E-11	-0.33880418E+05	0.34379387E+02						4	
c10h20o-BD	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
-0.52293938E+02	0.19480184E+00	-0.94029499E-04	0.19223844E-07	-0.14135998E-11					2	
-0.15714042E+05	0.32645331E+03	-0.72015400E+01	0.14354704E+00	-0.10381097E-03					3	
0.31099074E-07	0.18769478E-11	-0.35545469E+05	0.66330521E+02						4	
c10h20o-CE	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
-0.52293938E+02	0.19480184E+00	-0.94029499E-04	0.19223844E-07	-0.14135998E-11					2	
-0.15442298E+05	0.32645331E+03	-0.72015400E+01	0.14354704E+00	-0.10381097E-03					3	
0.31099074E-07	0.18769478E-11	-0.35273727E+05	0.66330521E+02						4	
c10h20o-DF	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
-0.52293938E+02	0.19480184E+00	-0.94029499E-04	0.19223844E-07	-0.14135998E-11					2	
-0.15442298E+05	0.32645331E+03	-0.72015400E+01	0.14354704E+00	-0.10381097E-03					3	
0.31099074E-07	0.18769478E-11	-0.35273727E+05	0.66330521E+02						4	
c10h20o-AD	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
0.61710880E+02	0.34029186E-02	-0.18604972E-06	0.42117195E-11	0.11098688E-15					2	
-0.67029992E+05	-0.30925610E+03	0.63435179E+00	0.11151700E+00	-0.49808223E-04					3	
0.12573698E-08	0.13267947E-11	-0.44048410E+05	0.28593245E+02						4	
c10h20o-BE	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
-0.97585316E+01	0.11714813E+00	-0.50663559E-04	0.95754977E-08	-0.66482226E-12					2	
-0.40217547E+05	0.92040802E+02	-0.45932884E+01	0.14279509E+00	-0.10274935E-03					3	
0.28562233E-07	0.14102400E-11	-0.46006035E+05	0.49908825E+02						4	
c10h20o-CF	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
-0.97585316E+01	0.11714813E+00	-0.50663559E-04	0.95754977E-08	-0.66482226E-12					2	
-0.39945801E+05	0.92040802E+02	-0.45932884E+01	0.14279509E+00	-0.10274935E-03					3	
0.28562233E-07	0.14102400E-11	-0.45734293E+05	0.49908833E+02						4	
c10h20o-DG	c	10h	20o	1	G	0300.00	5000.00	1000.00	1	
-0.97585316E+01	0.11714813E+00	-0.50663559E-04	0.95754977E-08	-0.66482226E-12					2	
-0.39945801E+05	0.90654648E+02	-0.45932884E+01	0.14279509E+00	-0.10274935E-03					3	
0.28562233E-07	0.14102400E-11	-0.45734293E+05	0.48522671E+02						4	
c10h20o-AE	11/21/07	c	10h	20o	1	OG	300.000	5000.000	1000.000	31
0.61799072E+02	0.32458992E-02	-0.93891153E-07	-0.17508134E-10	0.18891264E-14					2	
-0.69783078E+05	-0.31246600E+03	0.86580700E+00	0.10991108E+00	-0.45952915E-04					3	
-0.25846512E-08	0.26833015E-11	-0.46790559E+05	0.24895792E+02						4	
c10h20o-BF	11/21/07	c	10h	20o	1	OG	300.000	5000.000	1000.000	31
-0.97585316E+01	0.11714813E+00	-0.50663559E-04	0.95754977E-08	-0.66482226E-12					2	
-0.42934949E+05	0.89323395E+02	-0.45932884E+01	0.14279509E+00	-0.10274935E-03					3	
0.28562233E-07	0.14102400E-11	-0.48723438E+05	0.47191425E+02						4	
c10h20o-CG	11/21/07	c	10h	20o	1	OG	300.000	5000.000	1000.000	31
-0.97585316E+01	0.11714813E+00	-0.50663559E-04	0.95754977E-08	-0.66482226E-12					2	
-0.42663203E+05	0.89323395E+02	-0.45932884E+01	0.14279509E+00	-0.10274935E-03					3	
0.28562233E-07	0.14102400E-11	-0.48451695E+05	0.47191425E+02						4	
Ac10h19oB	11/29/2007	c	10h	19o	1	OG	300.000	5000.000	1000.000	31
0.16306988E+02	0.64763352E-01	-0.22720040E-04	0.37104051E-08	-0.23262325E-12					2	
-0.28768211E+05	-0.44487953E+02	-0.12540367E+01	0.12126518E+00	-0.82816085E-04					3	
0.26716666E-07	0.21227701E-11	-0.24799623E+05	0.43169273E+02						4	
Bc10h19oA	11/29/2007	c	10h	19o	1	OG	300.000	5000.000	1000.000	31
0.14784694E+02	0.66859469E-01	-0.23652156E-04	0.38844550E-08	-0.24443471E-12					2	
-0.26356234E+05	-0.35625694E+02	-0.10601692E+01	0.12435768E+00	-0.93507741E-04					3	
0.37443890E-07	0.56362046E-11	-0.23286785E+05	0.41417789E+02						4	
Bc10h19oC	11/29/2007	c	10h	19o	1	OG	300.000	5000.000	1000.000	31

0.34623337E+01	0.85501805E-01-0.32684758E-04	0.56652403E-08-0.36998310E-12	2
-0.26665381E+05	0.27313919E+02-0.10258578E+01	0.12298658E+00-0.89079076E-04	3
0.31129815E-07-0.24958161E-11-0.28062449E+05		0.41072895E+02	4
Cc10h19oB	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.16080677E+02	0.64582072E-01-0.22554279E-04	0.36708492E-08-0.22955994E-12	2
-0.31633113E+05-0.43767708E+02-0.14350673E+01		0.12476747E+00-0.94966519E-04	3
0.40111697E-07-0.69548273E-11-0.27837811E+05		0.42781857E+02	4
Cc10h19oD	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.40769310E+01	0.84358312E-01-0.32092117E-04	0.55426557E-08-0.36101796E-12	2
-0.26854406E+05	0.23821968E+02-0.16586093E+01	0.12762536E+00-0.99214172E-04	3
0.40035612E-07-0.53355241E-11-0.28006711E+05		0.43481628E+02	4
Dc10h19oC	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.36821523E+01	0.85037172E-01-0.32452779E-04	0.56205645E-08-0.36697403E-12	2
-0.26696336E+05	0.25984703E+02-0.18879009E+01	0.12921445E+00-0.10298457E-03	3
0.43733660E-07-0.66181496E-11-0.27982365E+05		0.44408314E+02	4
Dc10h19oE	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.40691190E+01	0.84372088E-01-0.32099975E-04	0.55444547E-08-0.36116149E-12	2
-0.26850461E+05	0.23846092E+02-0.18306836E+01	0.12884861E+00-0.10219141E-03	3
0.43032703E-07-0.64025768E-11-0.27988893E+05		0.44183956E+02	4
Ec10h19oD	c 10h 19o 10 OG	300.00 5000.00 1000.00	1
0.40350060E+01	0.84432267E-01-0.32134987E-04	0.55526681E-08-0.36183163E-12	2
-0.26836793E+05	0.24024002E+02-0.16566451E+01	0.12764387E+00-0.99291581E-04	3
0.40130022E-07-0.53725045E-11-0.28007609E+05		0.43434109E+02	4
Fc10h19oE	c 10h 19o 10 OG	300.00 5000.00 1000.00	1
0.40350060E+01	0.84432267E-01-0.32134987E-04	0.55526681E-08-0.36183163E-12	2
-0.26836895E+05	0.24035446E+02-0.15852615E+01	0.12715800E+00-0.98145771E-04	3
0.39005553E-07-0.49804830E-11-0.28015389E+05		0.43142235E+02	4
Ac10h19oC	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.43805685E+01	0.83317816E-01-0.31508171E-04	0.54213318E-08-0.35230158E-12	2
-0.22559186E+05	0.24663010E+02-0.19080181E+01	0.12950268E+00-0.10383031E-03	3
0.43907157E-07-0.64749673E-11-0.23652576E+05		0.46781288E+02	4
Cc10h19oA	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.15200550E+02	0.65086745E-01-0.22660994E-04	0.36796133E-08-0.22970135E-12	2
-0.24236953E+05-0.35351997E+02-0.14894106E+01		0.12863515E+00-0.10679692E-03	3
0.50954007E-07-0.10250223E-10-0.21090385E+05		0.45204720E+02	4
Bc10h19oD	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.41005588E+01	0.83268210E-01-0.31393880E-04	0.53888471E-08-0.34954036E-12	2
-0.23567004E+05	0.26396599E+02-0.98894167E+00	0.12397141E+00-0.94435469E-04	3
0.36740563E-07-0.43268960E-11-0.24857701E+05		0.42914986E+02	4
Dc10h19oB	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.16329407E+02	0.63091114E-01-0.21706626E-04	0.34954499E-08-0.21696413E-12	2
-0.28393789E+05-0.42317795E+02-0.17287970E+01		0.12794283E+00-0.10541788E-03	3
0.50665591E-07-0.10489309E-10-0.24595764E+05		0.46272469E+02	4
Cc10h19oE	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01-0.31001735E-04	0.53062750E-08-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02-0.23058853E+01	0.13325629E+00-0.11556858E-03	3
0.56483582E-07-0.10955957E-10-0.24726898E+05		0.48427807E+02	4
Ec10h19oC	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.42453704E+01	0.82912691E-01-0.31188483E-04	0.53431251E-08-0.34600122E-12	2
-0.23570279E+05	0.25720589E+02-0.22029736E+01	0.13251169E+00-0.11369693E-03	3
0.54527877E-07-0.10232525E-10-0.24737500E+05		0.47996113E+02	4
Dc10h19oF	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01-0.31001735E-04	0.53062750E-08-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02-0.23058853E+01	0.13325629E+00-0.11556858E-03	3
0.56483582E-07-0.10955957E-10-0.24726898E+05		0.48427807E+02	4
Fc10h19oD	11/29/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01-0.31001735E-04	0.53062750E-08-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02-0.23058853E+01	0.13325629E+00-0.11556858E-03	3
0.56483582E-07-0.10955957E-10-0.24726898E+05		0.48427807E+02	4
Ac10h19oD	11/30/2007 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.47539911E+01	0.82678452E-01-0.31171461E-04	0.53491589E-08-0.34681809E-12	2

-0.22707973E+05	0.22577545E+02	-0.19475780E+01	0.12979481E+00	-0.10458541E-03	3
0.44722682E-07	-0.67872613E-11	-0.23648559E+05	0.46946564E+02		4
Dc10h19oA	11/30/2007	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.15200550E+02	0.65086745E-01	-0.22660994E-04	0.36796133E-08	-0.22970135E-12	2
-0.24236953E+05	-0.35351997E+02	-0.14894106E+01	0.12863515E+00	-0.10679692E-03	3
0.50954007E-07	-0.10250223E-10	-0.21090385E+05	0.45204720E+02		4
Bc10h19oE	11/30/2007	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.41005588E+01	0.83268210E-01	-0.31393880E-04	0.53888471E-08	-0.34954036E-12	2
-0.23567004E+05	0.26396599E+02	-0.98894167E+00	0.12397141E+00	-0.94435469E-04	3
0.36740563E-07	-0.43268960E-11	-0.24857701E+05	0.42914986E+02		4
Ec10h19oB	11/30/2007	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.16329407E+02	0.63091114E-01	-0.21706626E-04	0.34954499E-08	-0.21696413E-12	2
-0.28393789E+05	-0.42317795E+02	-0.17287970E+01	0.12794283E+00	-0.10541788E-03	3
0.50665591E-07	-0.10489309E-10	-0.24595764E+05	0.46272469E+02		4
Cc10h19oF	11/16/07	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01	-0.31001735E-04	0.53062750E-08	-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02	-0.23058853E+01	0.13325629E+00	-0.11556858E-03	3
0.56483582E-07	-0.10955957E-10	-0.24726898E+05	0.48427807E+02		4
Fc10h19oC	11/16/07	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.42453704E+01	0.82912691E-01	-0.31188483E-04	0.53431251E-08	-0.34600122E-12	2
-0.23570279E+05	0.25720589E+02	-0.22029736E+01	0.13251169E+00	-0.11369693E-03	3
0.54527877E-07	-0.10232525E-10	-0.24737500E+05	0.47996113E+02		4
Gc10h19oD	11/15/07	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01	-0.31001735E-04	0.53062750E-08	-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02	-0.23058853E+01	0.13325629E+00	-0.11556858E-03	3
0.56483582E-07	-0.10955957E-10	-0.24726898E+05	0.48427807E+02		4
Ac10h19oE	11/21/07	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.47539911E+01	0.82678452E-01	-0.31171461E-04	0.53491589E-08	-0.34681809E-12	2
-0.22707973E+05	0.22577545E+02	-0.19475780E+01	0.12979481E+00	-0.10458541E-03	3
0.44722682E-07	-0.67872613E-11	-0.23648559E+05	0.46946564E+02		4
Ec10h19oA	11/21/07	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.15200550E+02	0.65086745E-01	-0.22660994E-04	0.36796133E-08	-0.22970135E-12	2
-0.24236953E+05	-0.35351997E+02	-0.14894106E+01	0.12863515E+00	-0.10679692E-03	3
0.50954007E-07	-0.10250223E-10	-0.21090385E+05	0.45204720E+02		4
c3h7coc6h12-4	11/21/07	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01	-0.31001735E-04	0.53062750E-08	-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02	-0.23058853E+01	0.13325629E+00	-0.11556858E-03	3
0.56483582E-07	-0.10955957E-10	-0.24726898E+05	0.48427807E+02		4
dec4*o7oo		c 10h 19o 3	OG	300.000 5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.40878246E+05	0.40100426E+02	-0.87275076E+00	0.13710858E+00	-0.10093494E-03	3
0.31526415E-07	-0.46446598E-12	-0.43529867E+05	0.45174076E+02		4
dec4*o5j7ooh		c 10h 19o 3	OG	300.000 5000.000 1000.000	31
0.32537854E+01	0.93608648E-01	-0.36349764E-04	0.63694889E-08	-0.41912724E-12	2
-0.38343363E+05	0.37901070E+02	-0.45693436E+00	0.14243297E+00	-0.11859096E-03	3
0.49625644E-07	-0.66309679E-11	-0.41202746E+05	0.42964340E+02		4
dec4*o5oo7ooh		c 10h 19o 5	OG	300.000 5000.000 1000.000	31
0.53214493E+01	0.98535828E-01	-0.38547452E-04	0.67903265E-08	-0.44850804E-12	2
-0.53171633E+05	0.32894485E+02	-0.88614529E+00	0.15507066E+00	-0.12199651E-03	3
0.41176886E-07	-0.18085662E-11	-0.55739730E+05	0.49842552E+02		4
dec4*o7*o5ooh		c 10h 18o 4	OG	300.000 5000.000 1000.000	31
-0.14980563E+02	0.12761715E+00	-0.55477427E-04	0.10524960E-07	-0.73279132E-12	2
-0.64717898E+05	0.14264798E+03	-0.70437260E-01	0.13911021E+00	-0.10498685E-03	3
0.31592030E-07	0.10743019E-11	-0.74499594E+05	0.45439999E+02		4
c4h9coc5h10-3	11/21/07	c 10h 19o 1	OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01	-0.31001735E-04	0.53062750E-08	-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02	-0.23058853E+01	0.13325629E+00	-0.11556858E-03	3
0.56483582E-07	-0.10955957E-10	-0.24726898E+05	0.48427807E+02		4
dec5*o8oo		c 10h 19o 3	OG	300.000 5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.40878246E+05	0.40100426E+02	-0.87275076E+00	0.13710858E+00	-0.10093494E-03	3

0.31526415E-07-0.46446598E-12-0.43529867E+05 0.45174076E+02 4  
dec5\*o6j8ooh c 10h 19o 3 OG 300.000 5000.000 1000.000 31  
0.32537854E+01 0.93608648E-01-0.36349764E-04 0.63694889E-08-0.41912724E-12 2  
-0.38343363E+05 0.37901070E+02-0.45693436E+00 0.14243297E+00-0.11859096E-03 3  
0.49625644E-07-0.66309679E-11-0.41202746E+05 0.42964340E+02 4  
dec5\*o6oo8ooh c 10h 19o 5 OG 300.000 5000.000 1000.000 31  
0.53214493E+01 0.98535828E-01-0.38547452E-04 0.67903265E-08-0.44850804E-12 2  
-0.53171633E+05 0.32894485E+02-0.88614529E+00 0.15507066E+00-0.12199651E-03 3  
0.41176886E-07-0.18085662E-11-0.55739730E+05 0.49842552E+02 4  
dec5\*o8\*o6ooh c 10h 18o 4 OG 300.000 5000.000 1000.000 31  
-0.14980563E+02 0.12761715E+00-0.55477427E-04 0.10524960E-07-0.73279132E-12 2  
-0.64717898E+05 0.14264798E+03-0.70437260E-01 0.13911021E+00-0.10498685E-03 3  
0.31592030E-07 0.10743019E-11-0.74499594E+05 0.45439999E+02 4  
c2h5coc7h14-5 11/21/07 c 10h 19o 1 OG 300.000 5000.000 1000.000 31  
0.44738827E+01 0.82529798E-01-0.31001735E-04 0.53062750E-08-0.34340862E-12 2  
-0.23660557E+05 0.24443855E+02-0.23058853E+01 0.13325629E+00-0.11556858E-03 3  
0.56483582E-07-0.10955957E-10-0.24726898E+05 0.48427807E+02 4  
dec3\*o6oo c 10h 19o 3 OG 300.000 5000.000 1000.000 31  
0.25660179E+01 0.94763122E-01-0.36931320E-04 0.64882340E-08-0.42774326E-12 2  
-0.40878246E+05 0.40100426E+02-0.87275076E+00 0.13710858E+00-0.10093494E-03 3  
0.31526415E-07-0.46446598E-12-0.43529867E+05 0.45174076E+02 4  
dec3\*o4j6ooh c 10h 19o 3 OG 300.000 5000.000 1000.000 31  
0.32537854E+01 0.93608648E-01-0.36349764E-04 0.63694889E-08-0.41912724E-12 2  
-0.38343363E+05 0.37901070E+02-0.45693436E+00 0.14243297E+00-0.11859096E-03 3  
0.49625644E-07-0.66309679E-11-0.41202746E+05 0.42964340E+02 4  
dec3\*o4oo6ooh c 10h 19o 5 OG 300.000 5000.000 1000.000 31  
0.53214493E+01 0.98535828E-01-0.38547452E-04 0.67903265E-08-0.44850804E-12 2  
-0.53171633E+05 0.32894485E+02-0.88614529E+00 0.15507066E+00-0.12199651E-03 3  
0.41176886E-07-0.18085662E-11-0.55739730E+05 0.49842552E+02 4  
dec3\*o6\*o4ooh c 10h 18o 4 OG 300.000 5000.000 1000.000 31  
-0.14980563E+02 0.12761715E+00-0.55477427E-04 0.10524960E-07-0.73279132E-12 2  
-0.64717898E+05 0.14264798E+03-0.70437260E-01 0.13911021E+00-0.10498685E-03 3  
0.31592030E-07 0.10743019E-11-0.74499594E+05 0.45439999E+02 4  
ch3coc8h16-6 11/21/07 c 10h 19o 1 OG 300.000 5000.000 1000.000 31  
0.44738827E+01 0.82529798E-01-0.31001735E-04 0.53062750E-08-0.34340862E-12 2  
-0.23660557E+05 0.24443855E+02-0.23058853E+01 0.13325629E+00-0.11556858E-03 3  
0.56483582E-07-0.10955957E-10-0.24726898E+05 0.48427807E+02 4  
dec2\*o5oo c 10h 19o 3 OG 300.000 5000.000 1000.000 31  
0.25660179E+01 0.94763122E-01-0.36931320E-04 0.64882340E-08-0.42774326E-12 2  
-0.40878246E+05 0.40100426E+02-0.87275076E+00 0.13710858E+00-0.10093494E-03 3  
0.31526415E-07-0.46446598E-12-0.43529867E+05 0.45174076E+02 4  
dec2\*o3j5ooh c 10h 19o 3 OG 300.000 5000.000 1000.000 31  
0.32537854E+01 0.93608648E-01-0.36349764E-04 0.63694889E-08-0.41912724E-12 2  
-0.38343363E+05 0.37901070E+02-0.45693436E+00 0.14243297E+00-0.11859096E-03 3  
0.49625644E-07-0.66309679E-11-0.41202746E+05 0.42964340E+02 4  
dec2\*o3oo5ooh c 10h 19o 5 OG 300.000 5000.000 1000.000 31  
0.53214493E+01 0.98535828E-01-0.38547452E-04 0.67903265E-08-0.44850804E-12 2  
-0.53171633E+05 0.32894485E+02-0.88614529E+00 0.15507066E+00-0.12199651E-03 3  
0.41176886E-07-0.18085662E-11-0.55739730E+05 0.49842552E+02 4  
dec2\*o5\*o3ooh c 10h 18o 4 OG 300.000 5000.000 1000.000 31  
-0.14980563E+02 0.12761715E+00-0.55477427E-04 0.10524960E-07-0.73279132E-12 2  
-0.64717898E+05 0.14264798E+03-0.70437260E-01 0.13911021E+00-0.10498685E-03 3  
0.31592030E-07 0.10743019E-11-0.74499594E+05 0.45439999E+02 4  
c5h11coc4h8-2 11/21/07 c 10h 19o 1 OG 300.000 5000.000 1000.000 31  
0.44738827E+01 0.82529798E-01-0.31001735E-04 0.53062750E-08-0.34340862E-12 2  
-0.23660557E+05 0.24443855E+02-0.23058853E+01 0.13325629E+00-0.11556858E-03 3  
0.56483582E-07-0.10955957E-10-0.24726898E+05 0.48427807E+02 4  
dec5\*o2oo c 10h 19o 3 OG 300.000 5000.000 1000.000 31  
0.25660179E+01 0.94763122E-01-0.36931320E-04 0.64882340E-08-0.42774326E-12 2  
-0.40878246E+05 0.40100426E+02-0.87275076E+00 0.13710858E+00-0.10093494E-03 3  
0.31526415E-07-0.46446598E-12-0.43529867E+05 0.45174076E+02 4

dec5*o4j2ooh	c	10h	19o	3	OG	300.000	5000.000	1000.000	31	
0.32537854E+01	0.93608648E-01-0.36349764E-04	0.63694889E-08-0.41912724E-12							2	
-0.38343363E+05	0.37901070E+02-0.45693436E+00	0.14243297E+00-0.11859096E-03							3	
0.49625644E-07-0.66309679E-11-0.41202746E+05	0.42964340E+02								4	
dec5*o4oo2ooh	c	10h	19o	5	OG	300.000	5000.000	1000.000	31	
0.53214493E+01	0.98535828E-01-0.38547452E-04	0.67903265E-08-0.44850804E-12							2	
-0.53171633E+05	0.32894485E+02-0.88614529E+00	0.15507066E+00-0.12199651E-03							3	
0.41176886E-07-0.18085662E-11-0.55739730E+05	0.49842552E+02								4	
dec2*o5*o4ooh	c	10h	18o	4	OG	300.000	5000.000	1000.000	31	
-0.14980563E+02	0.12761715E+00-0.55477427E-04	0.10524960E-07-0.73279132E-12							2	
-0.64717898E+05	0.14264798E+03-0.70437260E-01	0.13911021E+00-0.10498685E-03							3	
0.31592030E-07	0.10743019E-11-0.74499594E+05	0.45439999E+02							4	
c8ald3oxo	29/05/06	c	8h	14o	2	Og	300.000	5000.000	1000.000	1
-0.75483012E+01	0.88001356E-01-0.37421298E-04	0.69898851E-08-0.48127431E-12							2	
-0.48668629E+05	0.87982437E+02-0.15627837E+01	0.99222884E-01-0.67715933E-04							3	
0.18561890E-07	0.89465843E-12-0.53334887E+05	0.46360420E+02							4	
c7ald3oxo	29/05/06	c	7h	12o	2	Og	300.000	5000.000	1000.000	1
-0.94036551E+01	0.82001582E-01-0.35512909E-04	0.67193024E-08-0.46691893E-12							2	
-0.45254449E+05	0.95854774E+02-0.13707602E+01	0.87533154E-01-0.61154518E-04							3	
0.17658323E-07	0.52635457E-12-0.50439336E+05	0.43760078E+02							4	
c6ald3oxo	29/05/06	c	6h	10o	2	Og	300.000	5000.000	1000.000	1
-0.11191474E+02	0.75941749E-01-0.33618278E-04	0.64603078E-08-0.45396651E-12							2	
-0.41875945E+05	0.10332356E+03-0.10716561E+01	0.75103901E-01-0.52827163E-04							3	
0.15004920E-07	0.77228187E-12-0.47555281E+05	0.40705853E+02							4	
c5ald3oxo	29/05/06	c	5h	8o	2	Og	300.000	5000.000	1000.000	1
-0.12940953E+02	0.69903918E-01-0.31803214E-04	0.62314123E-08-0.44409864E-12							2	
-0.38527070E+05	0.11053633E+03-0.84370774E+00	0.63168347E-01-0.45684359E-04							3	
0.13530840E-07	0.60230298E-12-0.44663621E+05	0.37952915E+02							4	
c4ald3oxo	29/05/06	c	4h	6o	2	Og	300.000	5000.000	1000.000	1
-0.11254543E+01	0.39765101E-01-0.16878952E-04	0.31484686E-08-0.21655221E-12							2	
-0.40318285E+05	0.42259468E+02-0.60580101E-01	0.46090852E-01-0.28861905E-04							3	
0.67779320E-08	0.68161687E-12-0.41638715E+05	0.33134945E+02							4	
mecomeco	07/06/06	c	4h	5o	2	Og	300.000	5000.000	1000.000	1
-0.11254543E+01	0.39765101E-01-0.16878952E-04	0.31484686E-08-0.21655221E-12							2	
-0.40318285E+05	0.42259468E+02-0.60580101E-01	0.46090852E-01-0.28861905E-04							3	
0.67779320E-08	0.68161687E-12-0.41638715E+05	0.33134945E+02							4	
etcomeco	07/06/06	c	5h	7o	2	Og	300.000	5000.000	1000.000	1
-0.12940953E+02	0.69903918E-01-0.31803214E-04	0.62314123E-08-0.44409864E-12							2	
-0.38527070E+05	0.11053633E+03-0.84370774E+00	0.63168347E-01-0.45684359E-04							3	
0.13530840E-07	0.60230298E-12-0.44663621E+05	0.37952915E+02							4	
prcomeco	07/06/06	c	6h	9o	2	Og	300.000	5000.000	1000.000	1
-0.11191474E+02	0.75941749E-01-0.33618278E-04	0.64603078E-08-0.45396651E-12							2	
-0.41875945E+05	0.10332356E+03-0.10716561E+01	0.75103901E-01-0.52827163E-04							3	
0.15004920E-07	0.77228187E-12-0.47555281E+05	0.40705853E+02							4	
bucomeco	07/06/06	c	7h	11o	2	Og	300.000	5000.000	1000.000	1
-0.94036551E+01	0.82001582E-01-0.35512909E-04	0.67193024E-08-0.46691893E-12							2	
-0.45254449E+05	0.95854774E+02-0.13707602E+01	0.87533154E-01-0.61154518E-04							3	
0.17658323E-07	0.52635457E-12-0.50439336E+05	0.43760078E+02							4	
c5h11coch2co	c	8h	13o	2	Og	300.000	5000.000	1000.000	1	
-0.43423600E+01	0.77552386E-01-0.31059997E-04	0.55604392E-08-0.37137662E-12							2	
-0.31711254E+05	0.72707840E+02-0.95788473E+00	0.96059471E-01-0.70857386E-04							3	
0.24432708E-07-0.14270678E-11-0.35590402E+05	0.44693489E+02								4	
Fc10h19oB	11/21/07	c	10h	19o	1	OG	300.000	5000.000	1000.000	31
0.16329407E+02	0.63091114E-01-0.21706626E-04	0.34954499E-08-0.21696413E-12							2	
-0.28393789E+05-0.42317795E+02-0.17287970E+01	0.12794283E+00-0.10541788E-03								3	
0.50665591E-07-0.10489309E-10-0.24595764E+05	0.46272469E+02								4	
Bc10h19oF	11/21/07	c	10h	19o	1	OG	300.000	5000.000	1000.000	31
0.41005588E+01	0.83268210E-01-0.31393880E-04	0.53888471E-08-0.34954036E-12							2	
-0.23567004E+05	0.26396599E+02-0.98894167E+00	0.12397141E+00-0.94435469E-04							3	
0.36740563E-07-0.43268960E-11-0.24857701E+05	0.42914986E+02								4	
Gc10h19oC	11/21/07	c	10h	19o	1	OG	300.000	5000.000	1000.000	31

0.42453704E+01	0.82912691E-01-0.31188483E-04	0.53431251E-08-0.34600122E-12	2
-0.23570279E+05	0.25720589E+02-0.22029736E+01	0.13251169E+00-0.11369693E-03	3
0.54527877E-07-0.10232525E-10-0.24737500E+05		0.47996113E+02	4
Hc10h19oD	11/21/07 c 10h 19o 1 OG	300.000 5000.000 1000.000	31
0.44738827E+01	0.82529798E-01-0.31001735E-04	0.53062750E-08-0.34340862E-12	2
-0.23660557E+05	0.24443855E+02-0.23058853E+01	0.13325629E+00-0.11556858E-03	3
0.56483582E-07-0.10955957E-10-0.24726898E+05		0.48427807E+02	4
c10h19oBqjA	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.13514616E+02	0.75880781E-01-0.27536711E-04	0.46022413E-08-0.29303906E-12	2
-0.42432004E+05-0.20841217E+02	0.50051504E+00	0.12957905E+00-0.91704926E-04	3
0.29407795E-07-0.16656370E-11-0.40804504E+05		0.39517471E+02	4
c10h19oAqjB	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.60648933E+02	0.65077269E-02-0.59652689E-06	0.37715775E-10-0.14474208E-14	2
-0.52604367E+05-0.28855515E+03	0.20104423E+01	0.11726599E+00-0.63283944E-04	3
0.11944034E-07-0.13398450E-11-0.31158100E+05		0.33456493E+02	4
c10h19oCqjB	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.58775883E+01	0.89733183E-01-0.34518202E-04	0.60115530E-08-0.39402455E-12	2
-0.41573852E+05	0.21084419E+02-0.19661069E+01	0.13946027E+00-0.10070876E-03	3
0.29663784E-07	0.17849543E-12-0.42557738E+05	0.50607735E+02	4
c10h19oBqjC	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.55774834E+02	0.12417244E-01-0.17775797E-05	0.14284891E-09-0.52159683E-14	2
-0.62228688E+05-0.26099207E+03	0.14174898E+01	0.11821154E+00-0.63301130E-04	3
0.99802486E-08	0.23630991E-12-0.42768293E+05	0.36123112E+02	4
c10h19oDqjC	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.60646033E+01	0.89415371E-01-0.34357283E-04	0.59785323E-08-0.39161583E-12	2
-0.41647551E+05	0.20039452E+02-0.20407033E+01	0.13998796E+00-0.10200999E-03	3
0.31003356E-07-0.31151552E-12-0.42549863E+05		0.50921062E+02	4
c10h19oCqjD	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.61545506E+01	0.89246392E-01-0.34245953E-04	0.59498162E-08-0.38910959E-12	2
-0.41683676E+05	0.19539101E+02-0.19393798E+01	0.13927017E+00-0.10024765E-03	3
0.29206463E-07	0.33724485E-12-0.42560500E+05	0.50493259E+02	4
c10h19oEqjD	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.60646033E+01	0.89415371E-01-0.34357283E-04	0.59785323E-08-0.39161583E-12	2
-0.41647551E+05	0.20038933E+02-0.20407033E+01	0.13998796E+00-0.10200999E-03	3
0.31003356E-07-0.31151552E-12-0.42549863E+05		0.50920532E+02	4
c10h19oDqjE	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.60384369E+01	0.89448474E-01-0.34354824E-04	0.59736580E-08-0.39095571E-12	2
-0.41637500E+05	0.20187119E+02-0.21935043E+01	0.14103331E+00-0.10448078E-03	3
0.33425550E-07-0.11525039E-11-0.42533320E+05		0.51569256E+02	4
c10h19oEqjF	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.60384369E+01	0.89448474E-01-0.34354824E-04	0.59736580E-08-0.39095571E-12	2
-0.41637500E+05	0.20187195E+02-0.21935043E+01	0.14103331E+00-0.10448078E-03	3
0.33425550E-07-0.11525039E-11-0.42533320E+05		0.51569324E+02	4
c10h19oCqjA	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.65662427E+01	0.87472498E-01-0.33205844E-04	0.57277765E-08-0.37281799E-12	2
-0.40274766E+05	0.18261559E+02-0.54336149E+00	0.13387899E+00-0.96895434E-04	3
0.30692114E-07-0.10195448E-11-0.41250281E+05		0.44651508E+02	4
c10h19oAqjC	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.13557490E+02	0.76620050E-01-0.28025463E-04	0.47119553E-08-0.30137839E-12	2
-0.41522512E+05-0.21059647E+02-0.36978576E+00		0.13465443E+00-0.97342636E-04	3
0.31133748E-07-0.15634639E-11-0.39859727E+05		0.43279034E+02	4
c10h19oDqjB	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.25660179E+01	0.94763122E-01-0.36931320E-04	0.64882340E-08-0.42774326E-12	2
-0.41149852E+05	0.40102135E+02-0.94730365E+00	0.13762265E+00-0.10216190E-03	3
0.32743547E-07-0.89276378E-12-0.43793594E+05		0.45491550E+02	4
c10h19oBqjD	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.15064959E+02	0.73944062E-01-0.26688129E-04	0.44423309E-08-0.28200307E-12	2
-0.45825383E+05-0.30125580E+02-0.50930756E+00		0.13327326E+00-0.94330782E-04	3
0.29249570E-07-0.12528580E-11-0.43375801E+05		0.43923389E+02	4
c10h19oEqjC	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.26289754E+01	0.94653681E-01-0.36871148E-04	0.64748149E-08-0.42669050E-12	2

-0.40903648E+05	0.39748398E+02	-0.70980597E+00	0.13596617E+00	-0.98163357E-04	3
0.28737150E-07	0.52914129E-12	-0.43547125E+05	0.44485767E+02		4
c10h19oCqjE	11/29/2007	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.40878195E+05	0.40099739E+02	-0.90288764E+00	0.13731328E+00	-0.10141730E-03	3
0.31999924E-07	-0.62966440E-12	-0.43526578E+05	0.45301506E+02		4
c10h19oFqjD	11/29/2007	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.26289754E+01	0.94653681E-01	-0.36871148E-04	0.64748149E-08	-0.42669050E-12	2
-0.40903809E+05	0.39747437E+02	-0.62018460E+00	0.13534975E+00	-0.96695199E-04	3
0.27283265E-07	0.10400389E-11	-0.43556789E+05	0.44104969E+02		4
c10h19oDqjF	11/29/2007	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.40878191E+05	0.40099800E+02	-0.90288764E+00	0.13731328E+00	-0.10141730E-03	3
0.31999924E-07	-0.62966440E-12	-0.43526574E+05	0.45301575E+02		4
c10h19oDqjA	11/30/2007	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.65662427E+01	0.87472498E-01	-0.33205844E-04	0.57277765E-08	-0.37281799E-12	2
-0.40274742E+05	0.18261177E+02	-0.55842996E+00	0.13398135E+00	-0.97136617E-04	3
0.30928867E-07	-0.11021443E-11	-0.41248641E+05	0.44715187E+02		4
c10h19oAqjD	11/30/2007	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.13610016E+02	0.76522157E-01	-0.27962642E-04	0.46960809E-08	-0.30001313E-12	2
-0.41543164E+05	-0.21350815E+02	-0.46365151E+00	0.13528731E+00	-0.98818942E-04	3
0.32566334E-07	-0.20572838E-11	-0.39849418E+05	0.43678860E+02		4
c10h19oEqjB	11/30/2007	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.26289754E+01	0.94653681E-01	-0.36871148E-04	0.64748149E-08	-0.42669050E-12	2
-0.41175219E+05	0.39750198E+02	-0.81343758E+00	0.13669321E+00	-0.99928206E-04	3
0.30514492E-07	-0.10455023E-12	-0.43807898E+05	0.44924789E+02		4
c10h19oBqjE	11/30/2007	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.14841763E+02	0.74333802E-01	-0.26906631E-04	0.44921018E-08	-0.28598269E-12	2
-0.45736281E+05	-0.28880981E+02	-0.30575275E+00	0.13186385E+00	-0.90947113E-04	3
0.25869738E-07	-0.54669976E-13	-0.43397633E+05	0.43060841E+02		4
c10h19oFqjC	11/16/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.26289754E+01	0.94653681E-01	-0.36871148E-04	0.64748149E-08	-0.42669050E-12	2
-0.40903648E+05	0.39748398E+02	-0.70980597E+00	0.13596617E+00	-0.98163357E-04	3
0.28737150E-07	0.52914129E-12	-0.43547125E+05	0.44485767E+02		4
c10h19oCqjF	11/16/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.40878191E+05	0.40099800E+02	-0.90288764E+00	0.13731328E+00	-0.10141730E-03	3
0.31999924E-07	-0.62966440E-12	-0.43526574E+05	0.45301575E+02		4
c10h19oDqjG	11/15/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.40878191E+05	0.40100044E+02	-0.90288764E+00	0.13731328E+00	-0.10141730E-03	3
0.31999924E-07	-0.62966440E-12	-0.43526574E+05	0.45301815E+02		4
c10h19oEqjA	11/21/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.65662427E+01	0.87472498E-01	-0.33205844E-04	0.57277765E-08	-0.37281799E-12	2
-0.40274926E+05	0.18260353E+02	-0.45374015E+00	0.13326257E+00	-0.95427269E-04	3
0.29238231E-07	-0.50864738E-12	-0.41259953E+05	0.44270462E+02		4
c10h19oAqjE	11/21/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.13610016E+02	0.76522157E-01	-0.27962642E-04	0.46960809E-08	-0.30001313E-12	2
-0.41543164E+05	-0.21350891E+02	-0.46365151E+00	0.13528731E+00	-0.98818942E-04	3
0.32566334E-07	-0.20572838E-11	-0.39849418E+05	0.43678791E+02		4
c10h19oBqjF	11/21/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.14841763E+02	0.74333802E-01	-0.26906631E-04	0.44921018E-08	-0.28598269E-12	2
-0.45736117E+05	-0.28880478E+02	-0.39557856E+00	0.13248168E+00	-0.92418610E-04	3
0.27326923E-07	-0.56672630E-12	-0.43387945E+05	0.43442039E+02		4
c10h19oFqjB	11/21/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.41149848E+05	0.40102135E+02	-0.94730365E+00	0.13762265E+00	-0.10216190E-03	3
0.32743547E-07	-0.89276378E-12	-0.43793590E+05	0.45491550E+02		4
c10h19oCqjG	11/21/07	c 10h 19o 3	OG 300.000	5000.000 1000.000	31
0.25660179E+01	0.94763122E-01	-0.36931320E-04	0.64882340E-08	-0.42774326E-12	2
-0.40878191E+05	0.40100044E+02	-0.90288764E+00	0.13731328E+00	-0.10141730E-03	3

0.31999924E-07-0.62966440E-12-0.43526574E+05	0.45301815E+02	4
c10h19oDqjH 11/21/07 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.25660179E+01 0.94763122E-01-0.36931320E-04	0.64882340E-08-0.42774326E-12	2
-0.40878246E+05 0.40100426E+02-0.87275076E+00	0.13710858E+00-0.10093494E-03	3
0.31526415E-07-0.46446598E-12-0.43529867E+05	0.45174076E+02	4
Dc10h18oAqB 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.60599445E+02 0.58821747E-02-0.44944431E-06	0.17142546E-10-0.72376947E-16	2
0.00000000E+00-0.28407672E+03 0.20562611E+01	0.12623727E+00-0.92457078E-04	3
0.41620812E-07-0.11393483E-10 0.00000000E+00	0.34954460E+02	4
Ec10h18oAqB 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.60599445E+02 0.58821747E-02-0.44944431E-06	0.17142546E-10-0.72376947E-16	2
-0.54644359E+05-0.28407672E+03 0.20562611E+01	0.12623727E+00-0.92457078E-04	3
0.41620812E-07-0.11393483E-10-0.33731750E+05	0.34954460E+02	4
Ec10h18oAqC 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.14546657E+02 0.73870048E-01-0.26529617E-04	0.44021791E-08-0.27893375E-12	2
-0.35768750E+05-0.22215637E+02-0.20842986E-01	0.14151256E+00-0.12141731E-03	3
0.55703882E-07-0.98050639E-11-0.34313473E+05	0.43495388E+02	4
Fc10h18oAqC 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.14546657E+02 0.73870048E-01-0.26529617E-04	0.44021791E-08-0.27893375E-12	2
-0.35768750E+05-0.22215637E+02-0.20842986E-01	0.14151256E+00-0.12141731E-03	3
0.55703882E-07-0.98050639E-11-0.34313473E+05	0.43495388E+02	4
Bc10h18oAqD 11/30/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.14255374E+02 0.75461350E-01-0.27449150E-04	0.45948343E-08-0.29286954E-12	2
-0.38998758E+05-0.23176147E+02 0.57834171E-01	0.13970569E+00-0.11414410E-03	3
0.48271708E-07-0.73655058E-11-0.37529762E+05	0.41209316E+02	4
Bc10h18oAqE 11/21/07 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.14255374E+02 0.75461350E-01-0.27449150E-04	0.45948343E-08-0.29286954E-12	2
-0.38998938E+05-0.23179688E+02 0.16272843E+00	0.13898553E+00-0.11243141E-03	3
0.46577767E-07-0.67708495E-11-0.37541094E+05	0.40760990E+02	4
Cc10h18oBqA 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.14198792E+02 0.74763820E-01-0.27000528E-04	0.44973345E-08-0.28568757E-12	2
-0.39901023E+05-0.23118027E+02 0.12420368E+01	0.13265531E+00-0.10400027E-03	3
0.42199478E-07-0.59688907E-11-0.38512324E+05	0.35845871E+02	4
Ac10h18oBqC 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.56340324E+02 0.12135333E-01-0.17993489E-05	0.16293901E-09-0.73292118E-14	2
-0.56703797E+05-0.26212399E+03 0.15854706E+01	0.12294850E+00-0.75737364E-04	3
0.21558483E-07-0.35200673E-11-0.37355852E+05	0.36011333E+02	4
Ac10h18oBqD 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.15952545E+02 0.73044427E-01-0.26332393E-04	0.43786748E-08-0.27772118E-12	2
-0.40420672E+05-0.33029037E+02 0.12179019E+00	0.13480555E+00-0.99087389E-04	3
0.33180289E-07-0.23086483E-11-0.38013031E+05	0.41849510E+02	4
Ac10h18oBqE 11/30/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.15898907E+02 0.73133916E-01-0.26375337E-04	0.43870805E-08-0.27831283E-12	2
-0.40399023E+05-0.32727936E+02-0.16672114E+00	0.13680126E+00-0.10386469E-03	3
0.37928814E-07-0.39814389E-11-0.37982094E+05	0.43072025E+02	4
Cc10h18oBqE 11/30/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.15558794E+02 0.73151924E-01-0.26324526E-04	0.43747899E-08-0.27751599E-12	2
-0.43218672E+05-0.31316864E+02 0.27545649E+00	0.13600235E+00-0.10571947E-03	3
0.41076461E-07-0.51956824E-11-0.41087348E+05	0.40099388E+02	4
Cc10h18oBqF 11/21/07 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.15558794E+02 0.73151924E-01-0.26324526E-04	0.43747899E-08-0.27751599E-12	2
-0.43218340E+05-0.31327682E+02 0.81102572E-01	0.13734944E+00-0.10895258E-03	3
0.44300272E-07-0.63352912E-11-0.41066539E+05	0.40910889E+02	4
Dc10h18oCqA 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.72290835E+01 0.86372748E-01-0.32662851E-04	0.56188876E-08-0.36503409E-12	2
-0.37732309E+05 0.16135651E+02 0.17851977E+00	0.13708742E+00-0.10948983E-03	3
0.43761226E-07-0.54134778E-11-0.38955988E+05	0.41086044E+02	4
Dc10h18oCqB 11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.65944180E+01 0.88532999E-01-0.33913569E-04	0.58878178E-08-0.38501594E-12	2
-0.39051668E+05 0.18659958E+02-0.15769581E+01	0.14496662E+00-0.11879877E-03	3
0.48195162E-07-0.61409055E-11-0.40227695E+05	0.48451332E+02	4



Ec10h18oCqB	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.69647241E+01	0.86744048E-01	-0.32841890E-04	0.56553571E-08	-0.36771354E-12					2	
-0.35847066E+05	0.19415245E+02	-0.20632010E+01	0.14942405E+00	-0.13226985E-03					3	
0.61728009E-07	-0.10721295E-10	-0.36963934E+05	0.52709446E+02						4	
Ac10h18oCqD	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.73542495E+01	0.86708277E-01	-0.32919601E-04	0.56795244E-08	-0.36976224E-12					2	
-0.34938070E+05	0.16936989E+02	-0.15978953E+01	0.14523955E+00	-0.11959933E-03					3	
0.48333071E-07	-0.59917427E-11	-0.35897301E+05	0.50772453E+02						4	
Bc10h18oCqD	11/29/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.64731550E+01	0.88830590E-01	-0.34062603E-04	0.59157754E-08	-0.38682241E-12					2	
-0.39060289E+05	0.19391937E+02	-0.41643575E+00	0.13666579E+00	-0.99938828E-04					3	
0.30683797E-07	-0.29701252E-12	-0.40339523E+05	0.43808002E+02						4	
Fc10h18oCqD	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.71546578E+01	0.86415119E-01	-0.32664215E-04	0.56163243E-08	-0.36468531E-12					2	
-0.35922336E+05	0.18356186E+02	-0.21712713E+01	0.15017383E+00	-0.13407606E-03					3	
0.63541158E-07	-0.11368016E-10	-0.36952352E+05	0.53167191E+02						4	
Gc10h18oCqD	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.71546578E+01	0.86415119E-01	-0.32664215E-04	0.56163243E-08	-0.36468531E-12					2	
-0.35922336E+05	0.18356186E+02	-0.21712713E+01	0.15017383E+00	-0.13407606E-03					3	
0.63541158E-07	-0.11368016E-10	-0.36952352E+05	0.53167191E+02						4	
Bc10h18oCqE	11/29/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.28939755E+01	0.94326168E-01	-0.36732945E-04	0.64502053E-08	-0.42510296E-12					2	
-0.38257852E+05	0.39902428E+02	0.72944432E+00	0.13394178E+00	-0.99246492E-04					3	
0.31601722E-07	-0.59498337E-12	-0.41317180E+05	0.38154263E+02						4	
Dc10h18oCqF	11/16/07	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.33085968E+01	0.93511283E-01	-0.36292822E-04	0.63560823E-08	-0.41803033E-12					2	
-0.38366004E+05	0.37532394E+02	-0.32090518E+00	0.14147466E+00	-0.11628061E-03					3	
0.47320416E-07	-0.58166809E-11	-0.41216949E+05	0.42329502E+02						4	
Dc10h18oCqG	11/21/07	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.33085968E+01	0.93511283E-01	-0.36292822E-04	0.63560823E-08	-0.41803033E-12					2	
-0.38366336E+05	0.37516663E+02	-0.11904581E+00	0.14007202E+00	-0.11290659E-03					3	
0.43949530E-07	-0.46229813E-11	-0.41238508E+05	0.41460224E+02						4	
Cc10h18oDqA	11/30/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.73698988E+01	0.86120814E-01	-0.32514119E-04	0.55835496E-08	-0.36211965E-12					2	
-0.37788367E+05	0.15373085E+02	0.55137757E-01	0.13794428E+00	-0.11155384E-03					3	
0.45826575E-07	-0.61457892E-11	-0.38942785E+05	0.41629635E+02						4	
Ec10h18oDqA	11/30/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.72222729E+01	0.86384416E-01	-0.32669497E-04	0.56204219E-08	-0.36515777E-12					2	
-0.37729492E+05	0.16169785E+02	0.15555625E+00	0.13724647E+00	-0.10987398E-03					3	
0.44147157E-07	-0.55508731E-11	-0.38953516E+05	0.41179298E+02						4	
Ec10h18oDqB	11/29/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.32401638E+01	0.93631983E-01	-0.36363053E-04	0.63725580E-08	-0.41937466E-12					2	
-0.38609523E+05	0.37914436E+02	-0.44938350E+00	0.14237297E+00	-0.11843431E-03					3	
0.49459938E-07	-0.65697335E-11	-0.41475156E+05	0.42870693E+02						4	
Ac10h18oDqC	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.76534152E+01	0.86182326E-01	-0.32621298E-04	0.56110112E-08	-0.36425523E-12					2	
0.00000000E+00	0.15269066E+02	-0.16669183E+01	0.14572233E+00	-0.12077184E-03					3	
0.49518643E-07	-0.64172057E-11	0.00000000E+00	0.51064266E+02						4	
Ec10h18oDqC	11/29/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.68871927E+01	0.88027030E-01	-0.33642151E-04	0.58286367E-08	-0.38045519E-12					2	
-0.39167941E+05	0.17022377E+02	-0.15876504E+01	0.14504860E+00	-0.11902453E-03					3	
0.48456805E-07	-0.62480494E-11	-0.40226617E+05	0.48491642E+02						4	
Fc10h18oDqC	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.71495996E+01	0.86431995E-01	-0.32685606E-04	0.56236060E-08	-0.36541709E-12					2	
-0.35920445E+05	0.18382072E+02	-0.20331578E+01	0.14923453E+00	-0.13186740E-03					3	
0.61383815E-07	-0.10620530E-10	-0.36967391E+05	0.52579723E+02						4	
Bc10h18oDqE	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.68487387E+01	0.87025613E-01	-0.32969456E-04	0.56759797E-08	-0.36878717E-12					2	
-0.35856180E+05	0.19934212E+02	-0.71806806E+00	0.13993905E+00	-0.11064574E-03					3	
0.41486828E-07	-0.39139542E-11	-0.37097676E+05	0.47077896E+02						4	
Cc10h18oDqE	11/29/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31

0.67691369E+01	0.88221565E-01-0.33733664E-04	0.58458682E-08-0.38160436E-12	2
-0.39121492E+05	0.17693909E+02-0.17360258E+01	0.14602192E+00-0.12127692E-03	3
0.50634796E-07-0.69964967E-11-0.40209672E+05	0.49140850E+02		4
Gc10h18oDqE	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.70995660E+01	0.86506851E-01-0.32707172E-04	0.56243827E-08-0.36522274E-12	2
0.00000000E+00	0.18662491E+02-0.18741750E+01	0.14811198E+00-0.12911898E-03	3
0.58587037E-07-0.96119623E-11	0.00000000E+00	0.51909134E+02	4
Hc10h18oDqE	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.70995660E+01	0.86506851E-01-0.32707172E-04	0.56243827E-08-0.36522274E-12	2
-0.35901258E+05	0.18662491E+02-0.18741750E+01	0.14811198E+00-0.12911898E-03	3
0.58587037E-07-0.96119623E-11-0.36984129E+05	0.51909134E+02		4
Cc10h18oDqF	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.32387693E+01	0.93634509E-01-0.36364861E-04	0.63730714E-08-0.41942353E-12	2
-0.38337941E+05	0.37932343E+02-0.53388560E+00	0.14292596E+00-0.11973565E-03	3
0.50748366E-07-0.70242085E-11-0.41193621E+05	0.43246284E+02		4
Ec10h18oDqG	11/15/07 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.32744839E+01	0.93571454E-01-0.36327830E-04	0.63642958E-08-0.41870047E-12	2
-0.38351871E+05	0.37750641E+02-0.35759521E+00	0.14173228E+00-0.11689104E-03	3
0.47917705E-07-0.60237106E-11-0.41213148E+05	0.42511047E+02		4
Ec10h18oDqH	11/21/07 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.32744839E+01	0.93571454E-01-0.36327830E-04	0.63642958E-08-0.41870047E-12	2
-0.38351961E+05	0.37735275E+02-0.31317922E+00	0.14142290E+00-0.11614645E-03	3
0.47174080E-07-0.57606112E-11-0.41217875E+05	0.42308041E+02		4
Dc10h18oEqA	11/21/07 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.72290835E+01	0.86372748E-01-0.32662851E-04	0.56188876E-08-0.36503409E-12	2
-0.37732016E+05	0.16155029E+02	0.10366401E-01	3
0.46599517E-07-0.64210386E-11-0.38938105E+05	0.41815704E+02		4
Dc10h18oEqB	11/30/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.33501017E+01	0.93438067E-01-0.36252663E-04	0.63471268E-08-0.41732514E-12	2
-0.38653293E+05	0.37385391E+02-0.41997668E+00	0.14218388E+00-0.11801054E-03	3
0.49063939E-07-0.64381027E-11-0.41478547E+05	0.42827549E+02		4
Fc10h18oEqB	11/30/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.32731922E+01	0.93575150E-01-0.36333338E-04	0.63662391E-08-0.41889764E-12	2
-0.38622438E+05	0.37733849E+02-0.55803108E+00	0.14312850E+00-0.12025888E-03	3
0.51291686E-07-0.72215862E-11-0.41463535E+05	0.43333958E+02		4
Fc10h18oEqC	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.32731922E+01	0.93575150E-01-0.36333338E-04	0.63662391E-08-0.41889764E-12	2
-0.38350699E+05	0.37733849E+02-0.55803108E+00	0.14312850E+00-0.12025888E-03	3
0.51291686E-07-0.72215862E-11-0.41191793E+05	0.43333958E+02		4
Ac10h18oEqD	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.76534152E+01	0.86182326E-01-0.32621298E-04	0.56110112E-08-0.36425523E-12	2
-0.35057488E+05	0.15269066E+02-0.16669183E+01	0.14572233E+00-0.12077184E-03	3
0.49518643E-07-0.64172057E-11-0.35889965E+05	0.51064266E+02		4
Bc10h18oEqD	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.71495996E+01	0.86431995E-01-0.32685606E-04	0.56236060E-08-0.36541709E-12	2
-0.35920445E+05	0.18382072E+02-0.20331578E+01	0.14923453E+00-0.13186740E-03	3
0.61383815E-07-0.10620530E-10-0.36967391E+05	0.52579723E+02		4
Fc10h18oEqD	11/29/2007 c 10h 19o 3 OG	300.000 5000.000 1000.000	31
0.68735709E+01	0.88050365E-01-0.33655444E-04	0.58317053E-08-0.38070260E-12	2
-0.39162367E+05	0.17101906E+02-0.15892798E+01	0.14505927E+00-0.11905435E-03	3
0.48492041E-07-0.62624372E-11-0.40226406E+05	0.48502068E+02		4
Gc10h18oEqD	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.71495996E+01	0.86431995E-01-0.32685606E-04	0.56236060E-08-0.36541709E-12	2
-0.35920445E+05	0.18382072E+02-0.20331578E+01	0.14923453E+00-0.13186740E-03	3
0.61383815E-07-0.10620530E-10-0.36967391E+05	0.52579723E+02		4
Cc10h18oEqF	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.70995660E+01	0.86506851E-01-0.32707172E-04	0.56243827E-08-0.36522274E-12	2
-0.35901258E+05	0.18662491E+02-0.18741750E+01	0.14811198E+00-0.12911898E-03	3
0.58587037E-07-0.96119623E-11-0.36984129E+05	0.51909134E+02		4
Dc10h18oEqF	c 10h 19o 30 OG	300.00 5000.00 1000.00	1
0.67325392E+01	0.88289700E-01-0.33775170E-04	0.58559695E-08-0.38245299E-12	2

-0.39107113E+05	0.17884216E+02	-0.16175516E+01	0.14523797E+00	-0.11945122E-03	3					
0.48855718E-07	-0.63791572E-11	-0.40223070E+05	0.48620285E+02		4					
Hc10h18oEqF	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.70995660E+01	0.86506851E-01	-0.32707172E-04	0.56243827E-08	-0.36522274E-12	2					
-0.35901258E+05	0.18662491E+02	-0.18741750E+01	0.14811198E+00	-0.12911898E-03	3					
0.58587037E-07	-0.96119623E-11	-0.36984129E+05	0.51909134E+02		4					
Ic10h18oEqF	c	10h	19o	30	OG	300.00	5000.00	1000.00	1	
0.68487387E+01	0.87025613E-01	-0.32969456E-04	0.56759797E-08	-0.36878717E-12	2					
-0.35856180E+05	0.19934212E+02	-0.71806806E+00	0.13993905E+00	-0.11064574E-03	3					
0.41486828E-07	-0.39139542E-11	-0.37097676E+05	0.47077896E+02		4					
Ec10h18oFqB	11/21/07	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.32537854E+01	0.93608648E-01	-0.36349764E-04	0.63694889E-08	-0.41912724E-12	2					
-0.38615461E+05	0.37889351E+02	-0.24999976E+00	0.14099425E+00	-0.11512834E-03	3					
0.46164512E-07	-0.54048246E-11	-0.41496574E+05	0.42077744E+02		4					
Ec10h18oFqC	11/16/07	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.33501017E+01	0.93438067E-01	-0.36252663E-04	0.63471268E-08	-0.41732514E-12	2					
-0.38381418E+05	0.37365021E+02	-0.50221032E+00	0.14274554E+00	-0.11933968E-03	3					
0.50372538E-07	-0.68955818E-11	-0.41197871E+05	0.43156319E+02		4					
Gc10h18oFqD	11/29/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.32542059E+01	0.93609728E-01	-0.36354275E-04	0.63713381E-08	-0.41932763E-12	2					
-0.38344199E+05	0.37832527E+02	-0.13775460E+00	0.14020605E+00	-0.11323849E-03	3					
0.44290388E-07	-0.47468986E-11	-0.41236574E+05	0.41551350E+02		4					
Dc10h18oFqE	11/29/2007	c	10h	19o	3	OG	300.000	5000.000	1000.000	31
0.67325392E+01	0.88289700E-01	-0.33775170E-04	0.58559695E-08	-0.38245299E-12	2					
-0.39107113E+05	0.17884216E+02	-0.16175516E+01	0.14523797E+00	-0.11945122E-03	3					
0.48855718E-07	-0.63791572E-11	-0.40223070E+05	0.48620285E+02		4					
cl10h18oAqBqjD	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.16474442E+02	0.80075324E-01	-0.29432053E-04	0.49616555E-08	-0.31774258E-12	2					
-0.53876559E+05	-0.28459229E+02	-0.26915088E+00	0.15181664E+00	-0.11646116E-03	3					
0.38824126E-07	-0.22071060E-11	-0.52081664E+05	0.48159500E+02		4					
cl10h18oAqBqjE	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.16474442E+02	0.80075324E-01	-0.29432053E-04	0.49616555E-08	-0.31774258E-12	2					
-0.53876559E+05	-0.28459183E+02	-0.26915088E+00	0.15181664E+00	-0.11646116E-03	3					
0.38824126E-07	-0.22071060E-11	-0.52081664E+05	0.48159554E+02		4					
cl10h18oAqCqjE	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.12990152E+02	0.85343204E-01	-0.31927571E-04	0.54501093E-08	-0.35211520E-12	2					
-0.53103340E+05	-0.84511566E+01	0.12289592E+01	0.14663866E+00	-0.10984705E-03	3					
0.33805943E-07	-0.39617617E-12	-0.53096863E+05	0.41015633E+02		4					
cl10h18oAqCqjF	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.12990152E+02	0.85343204E-01	-0.31927571E-04	0.54501093E-08	-0.35211520E-12	2					
-0.53103340E+05	-0.91441040E+01	0.12289592E+01	0.14663866E+00	-0.10984705E-03	3					
0.33805943E-07	-0.39617617E-12	-0.53096863E+05	0.40322689E+02		4					
cl10h18oAqDqjB	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.16474442E+02	0.80075324E-01	-0.29432053E-04	0.49616555E-08	-0.31774258E-12	2					
-0.45724266E+05	-0.29151047E+02	-0.31377134E+00	0.15212741E+00	-0.11720909E-03	3					
0.39571045E-07	-0.24713645E-11	-0.43924707E+05	0.47656193E+02		4					
cl10h18oAqEqjB	11/21/07	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.16474442E+02	0.80075324E-01	-0.29432053E-04	0.49616555E-08	-0.31774258E-12	2					
-0.45724266E+05	-0.29151047E+02	-0.31377134E+00	0.15212741E+00	-0.11720909E-03	3					
0.39571045E-07	-0.24713645E-11	-0.43924707E+05	0.47656193E+02		4					
cl10h18oBqAqjC	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.16453438E+02	0.79322897E-01	-0.28974737E-04	0.48669020E-08	-0.31108156E-12	2					
-0.54794824E+05	-0.28370468E+02	0.10209477E+01	0.14386408E+00	-0.10400395E-03	3					
0.30387369E-07	0.31546560E-13	-0.53071832E+05	0.42614330E+02		4					
cl10h18oBqCqjA	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.16453438E+02	0.79322897E-01	-0.28974737E-04	0.48669020E-08	-0.31108156E-12	2					
-0.54794695E+05	-0.29061523E+02	0.94619036E+00	0.14437956E+00	-0.10523426E-03	3					
0.31607801E-07	-0.39791079E-12	-0.53063789E+05	0.42239914E+02		4					
cl10h18oBqDqjA	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.12903053E+02	0.84676765E-01	-0.31483654E-04	0.53521156E-08	-0.34483557E-12	2					
-0.53992492E+05	-0.86731720E+01	0.19531467E+01	0.14260995E+00	-0.10680299E-03	3					

0.34742559E-07-0.14641210E-11-0.54026488E+05	0.37175579E+02	4
c10h18oBqEqjA 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.13109145E+02 0.84327959E-01-0.31307645E-04	0.53159548E-08-0.34218667E-12	2
-0.54074977E+05-0.98265381E+01 0.23858290E+01	0.13962570E+00-0.99683646E-04	3
0.27691881E-07 0.10102370E-11-0.54073000E+05	0.35341022E+02	4
c10h18oBqEqjC 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.17633001E+02 0.77989809E-01-0.28403843E-04	0.47584860E-08-0.30345380E-12	2
-0.58038805E+05-0.36265228E+02-0.21779743E+00	0.14909220E+00-0.11016779E-03	3
0.33604319E-07-0.69386299E-12-0.55617922E+05	0.47305637E+02	4
c10h18oBqFqjC 11/21/07 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.17633001E+02 0.77989809E-01-0.28403843E-04	0.47584860E-08-0.30345380E-12	2
-0.58038805E+05-0.35572144E+02-0.21779743E+00	0.14909220E+00-0.11016779E-03	3
0.33604319E-07-0.69386299E-12-0.55617922E+05	0.47998718E+02	4
c10h18oCqAqjD 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.94926062E+01 0.90945147E-01-0.34662495E-04	0.59959833E-08-0.39105522E-12	2
-0.52634867E+05 0.10797241E+02-0.15589896E+00	0.14909208E+00-0.11143288E-03	3
0.33909693E-07-0.11426500E-12-0.53503484E+05	0.48311241E+02	4
c10h18oCqBqjD 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.61390350E+02 0.11732307E-01-0.16209029E-05	0.13397226E-09-0.54465523E-14	2
-0.75733344E+05-0.28335376E+03 0.21573341E+01	0.13342541E+00-0.78780002E-04	3
0.14127929E-07 0.69286428E-12-0.55265328E+05	0.37860649E+02	4
c10h18oCqBqjE c 10h 19o 50 0G	300.00 5000.00 1000.00	1
0.51436539E+01 0.98838240E-01-0.38697381E-04	0.68202568E-08-0.45062961E-12	2
-0.53102488E+05 0.34578133E+02-0.74260104E+00	0.15404968E+00-0.11947558E-03	3
0.38588965E-07-0.86721483E-12-0.55754754E+05	0.49931187E+02	4
c10h18oCqDqjA c 10h 19o 50 0G	300.00 5000.00 1000.00	1
0.94926062E+01 0.90945147E-01-0.34662495E-04	0.59959833E-08-0.39105522E-12	2
-0.52634680E+05 0.10105682E+02-0.26058877E+00	0.14981085E+00-0.11314222E-03	3
0.35600333E-07-0.70776165E-12-0.53492172E+05	0.48063580E+02	4
c10h18oCqDqjB 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.61390350E+02 0.11732307E-01-0.16209029E-05	0.13397226E-09-0.54465523E-14	2
-0.75732812E+05-0.28404303E+03 0.18619918E+01	0.13548641E+00-0.83757448E-04	3
0.19118190E-07-0.10794259E-11-0.55233918E+05	0.38418903E+02	4
c10h18oCqDqjF c 10h 19o 50 0G	300.00 5000.00 1000.00	1
0.54511390E+01 0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224273E+05 0.32169853E+02-0.72915387E+00	0.15397978E+00-0.11937213E-03	3
0.38554703E-07-0.88005829E-12-0.55756500E+05	0.49178181E+02	4
c10h18oCqDqjG c 10h 19o 50 0G	300.00 5000.00 1000.00	1
0.54511390E+01 0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224328E+05 0.32170006E+02-0.69901693E+00	0.15377508E+00-0.11888976E-03	3
0.38081197E-07-0.71485949E-12-0.55759793E+05	0.49050201E+02	4
c10h18oCqEqjB 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.51436539E+01 0.98838240E-01-0.38697381E-04	0.68202568E-08-0.45062961E-12	2
-0.53102312E+05 0.33887901E+02-0.84729081E+00	0.15476845E+00-0.12118494E-03	3
0.40279598E-07-0.14607114E-11-0.55743441E+05	0.49684860E+02	4
c10h18oCqFqjD 11/16/07 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.54511390E+01 0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224273E+05 0.32862938E+02-0.72915387E+00	0.15397978E+00-0.11937213E-03	3
0.38554703E-07-0.88005829E-12-0.55756500E+05	0.49871265E+02	4
c10h18oCqGqjD 11/21/07 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.54511390E+01 0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224273E+05 0.32862938E+02-0.72915387E+00	0.15397978E+00-0.11937213E-03	3
0.38554703E-07-0.88005829E-12-0.55756500E+05	0.49871265E+02	4
c10h18oDqAqjC 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.94926062E+01 0.90945147E-01-0.34662495E-04	0.59959833E-08-0.39105522E-12	2
-0.52634680E+05 0.10797882E+02-0.26058877E+00	0.14981085E+00-0.11314222E-03	3
0.35600333E-07-0.70776165E-12-0.53492172E+05	0.48755787E+02	4
c10h18oDqAqjE 11/2007 c 10h 19o 5 0G	300.000 5000.000 1000.000	31
0.94926062E+01 0.90945147E-01-0.34662495E-04	0.59959833E-08-0.39105522E-12	2
-0.52634859E+05 0.10104218E+02-0.15589896E+00	0.14909208E+00-0.11143288E-03	3
0.33909693E-07-0.11426500E-12-0.53503477E+05	0.47618214E+02	4

c10h18oDqBqjE	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.54605327E+01	0.98287731E-01	-0.38398270E-04	0.67543424E-08	-0.44551006E-12						2
-0.53500074E+05	0.32810768E+02	-0.70271552E+00	0.15378655E+00	-0.11888209E-03						3
0.38039776E-07	-0.68907336E-12	-0.56030941E+05	0.49760487E+02							4
c10h18oDqCqjA		c	10h	19o	50	OG	300.00	5000.00	1000.00	1
0.94926062E+01	0.90945147E-01	-0.34662495E-04	0.59959833E-08	-0.39105522E-12						2
-0.52634680E+05	0.10104950E+02	-0.26058877E+00	0.14981085E+00	-0.11314222E-03						3
0.35600333E-07	-0.70776165E-12	-0.53492172E+05	0.48062840E+02							4
c10h18oDqCqjE	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.61386299E+02	0.11739532E-01	-0.16251262E-05	0.13494919E-09	-0.55245877E-14						2
-0.75731508E+05	-0.28333060E+03	0.20392663E+01	0.13424979E+00	-0.80772734E-04						3
0.16127400E-07	-0.17560843E-13	-0.55252773E+05	0.38359943E+02							4
c10h18oDqCqjF		c	10h	19o	50	OG	300.00	5000.00	1000.00	1
0.54511390E+01	0.98308004E-01	-0.38416278E-04	0.67598243E-08	-0.44603568E-12						2
-0.53224281E+05	0.32169853E+02	-0.72915387E+00	0.15397978E+00	-0.11937213E-03						3
0.38554703E-07	-0.88005829E-12	-0.55756508E+05	0.49178181E+02							4
c10h18oDqEqjB		c	10h	19o	50	OG	300.00	5000.00	1000.00	1
0.54605327E+01	0.98287731E-01	-0.38398270E-04	0.67543424E-08	-0.44551006E-12						2
-0.53500230E+05	0.32119606E+02	-0.60207868E+00	0.15308423E+00	-0.11718505E-03						3
0.36337436E-07	-0.84210782E-13	-0.56041648E+05	0.48644169E+02							4
c10h18oDqEqjC	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.61386299E+02	0.11739532E-01	-0.16251262E-05	0.13494919E-09	-0.55245877E-14						2
-0.75731555E+05	-0.28402283E+03	0.20694032E+01	0.13404509E+00	-0.80290360E-04						3
0.15653896E-07	0.14763664E-12	-0.55256066E+05	0.37539577E+02							4
c10h18oDqEqjG		c	10h	19o	50	OG	300.00	5000.00	1000.00	1
0.53214493E+01	0.98535828E-01	-0.38547452E-04	0.67903265E-08	-0.44850804E-12						2
-0.53171633E+05	0.32894958E+02	-0.88614529E+00	0.15507066E+00	-0.12199651E-03						3
0.41176886E-07	-0.18085662E-11	-0.55739730E+05	0.49843021E+02							4
c10h18oDqEqjH		c	10h	19o	50	OG	300.00	5000.00	1000.00	1
0.53214493E+01	0.98535828E-01	-0.38547452E-04	0.67903265E-08	-0.44850804E-12						2
-0.53171500E+05	0.32895889E+02	-0.96090257E+00	0.15558614E+00	-0.12322681E-03						3
0.42397314E-07	-0.22380229E-11	-0.55731691E+05	0.50160587E+02							4
c10h18oDqFqjC	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.54511390E+01	0.98308004E-01	-0.38416278E-04	0.67598243E-08	-0.44603568E-12						2
-0.53224145E+05	0.32864159E+02	-0.80370677E+00	0.15449385E+00	-0.12059910E-03						3
0.39771830E-07	-0.13083563E-11	-0.55748488E+05	0.50188244E+02							4
c10h18oDqGqjE	11/15/07	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.53214493E+01	0.98535828E-01	-0.38547452E-04	0.67903265E-08	-0.44850804E-12						2
-0.53171633E+05	0.33587616E+02	-0.88614529E+00	0.15507066E+00	-0.12199651E-03						3
0.41176886E-07	-0.18085662E-11	-0.55739730E+05	0.50535679E+02							4
c10h18oDqHqjE	11/21/07	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.53214493E+01	0.98535828E-01	-0.38547452E-04	0.67903265E-08	-0.44850804E-12						2
-0.53171633E+05	0.33587616E+02	-0.88614529E+00	0.15507066E+00	-0.12199651E-03						3
0.41176886E-07	-0.18085662E-11	-0.55739730E+05	0.50535679E+02							4
c10h18oEqAqjD	11/21/07	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.94926062E+01	0.90945147E-01	-0.34662495E-04	0.59959833E-08	-0.39105522E-12						2
-0.52634867E+05	0.10797272E+02	-0.15589896E+00	0.14909208E+00	-0.11143288E-03						3
0.33909693E-07	-0.11426500E-12	-0.53503484E+05	0.48311275E+02							4
c10h18oEqBqjD	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.53214493E+01	0.98535828E-01	-0.38547452E-04	0.67903265E-08	-0.44850804E-12						2
-0.53443371E+05	0.33587601E+02	-0.88614529E+00	0.15507066E+00	-0.12199651E-03						3
0.41176886E-07	-0.18085662E-11	-0.56011469E+05	0.50535656E+02							4
c10h18oEqBqjF	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.53214493E+01	0.98535828E-01	-0.38547452E-04	0.67903265E-08	-0.44850804E-12						2
-0.53443379E+05	0.33587753E+02	-0.88614529E+00	0.15507066E+00	-0.12199651E-03						3
0.41176886E-07	-0.18085662E-11	-0.56011477E+05	0.50535820E+02							4
c10h18oEqCqjF	11/2007	c	10h	19o	5	OG	300.000	5000.000	1000.000	31
0.54511390E+01	0.98308004E-01	-0.38416278E-04	0.67598243E-08	-0.44603568E-12						2
-0.53224281E+05	0.32169853E+02	-0.72915387E+00	0.15397978E+00	-0.11937213E-03						3
0.38554703E-07	-0.88005829E-12	-0.55756508E+05	0.49178181E+02							4
c10h18oEqDqjA		c	10h	19o	50	OG	300.00	5000.00	1000.00	1

0.94926062E+01	0.90945147E-01-0.34662495E-04	0.59959833E-08-0.39105522E-12	2
-0.52634867E+05	0.10104218E+02-0.15589896E+00	0.14909208E+00-0.11143288E-03	3
0.33909693E-07-0.11426500E-12-0.53503484E+05		0.47618214E+02	4
c10h18oEqDqjB	c 10h 19o 50 OG	300.00 5000.00 1000.00	1
0.53214493E+01	0.98535828E-01-0.38547452E-04	0.67903265E-08-0.44850804E-12	2
-0.53443293E+05	0.32897110E+02-0.93076569E+00	0.15538143E+00-0.12274444E-03	3
0.41923805E-07-0.20728243E-11-0.56006719E+05		0.50033695E+02	4
c10h18oEqDqjF	11/2007 c 10h 19o 5 OG	300.000 5000.000 1000.000	31
0.61386299E+02	0.11739532E-01-0.16251262E-05	0.13494919E-09-0.55245877E-14	2
-0.75731508E+05-0.28402353E+03	0.20392663E+01	0.13424979E+00-0.80772734E-04	3
0.16127400E-07-0.17560843E-13-0.55252773E+05		0.37667000E+02	4
c10h18oEqDqjG	c 10h 19o 50 OG	300.00 5000.00 1000.00	1
0.54511390E+01	0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224336E+05	0.32170006E+02-0.69901693E+00	0.15377508E+00-0.11888976E-03	3
0.38081197E-07-0.71485949E-12-0.55759801E+05		0.49050201E+02	4
c10h18oEqFqjC	c 10h 19o 50 OG	300.00 5000.00 1000.00	1
0.54511390E+01	0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224145E+05	0.32864159E+02-0.80370677E+00	0.15449385E+00-0.12059910E-03	3
0.39771830E-07-0.13083563E-11-0.55748488E+05		0.50188244E+02	4
c10h18oEqFqjD	c 10h 19o 50 OG	300.00 5000.00 1000.00	1
0.61386299E+02	0.11739532E-01-0.16251262E-05	0.13494919E-09-0.55245877E-14	2
-0.75731508E+05-0.28333017E+03	0.20392663E+01	0.13424979E+00-0.80772734E-04	3
0.16127400E-07-0.17560843E-13-0.55252773E+05		0.38360367E+02	4
c10h18oEqFqjH	c 10h 19o 50 OG	300.00 5000.00 1000.00	1
0.53214493E+01	0.98535828E-01-0.38547452E-04	0.67903265E-08-0.44850804E-12	2
-0.53171500E+05	0.33588974E+02-0.96090257E+00	0.15558614E+00-0.12322681E-03	3
0.42397314E-07-0.22380229E-11-0.55731691E+05		0.50853668E+02	4
c10h18oEqFqjI	c 10h 19o 50 OG	300.00 5000.00 1000.00	1
0.53214493E+01	0.98535828E-01-0.38547452E-04	0.67903265E-08-0.44850804E-12	2
-0.53443293E+05	0.33590195E+02-0.93076569E+00	0.15538143E+00-0.12274444E-03	3
0.41923805E-07-0.20728243E-11-0.56006719E+05		0.50726768E+02	4
c10h18oFqBqjE	11/21/07 c 10h 19o 5 OG	300.000 5000.000 1000.000	31
0.53214493E+01	0.98535828E-01-0.38547452E-04	0.67903265E-08-0.44850804E-12	2
-0.53443371E+05	0.32894485E+02-0.88614529E+00	0.15507066E+00-0.12199651E-03	3
0.41176886E-07-0.18085662E-11-0.56011469E+05		0.49842552E+02	4
c10h18oFqCqjE	11/16/07 c 10h 19o 5 OG	300.000 5000.000 1000.000	31
0.54511390E+01	0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224273E+05	0.32862755E+02-0.72915387E+00	0.15397978E+00-0.11937213E-03	3
0.38554703E-07-0.88005829E-12-0.55756500E+05		0.49871071E+02	4
c10h18oFqDqjG	11/2007 c 10h 19o 5 OG	300.000 5000.000 1000.000	31
0.54511390E+01	0.98308004E-01-0.38416278E-04	0.67598243E-08-0.44603568E-12	2
-0.53224336E+05	0.32170006E+02-0.69901693E+00	0.15377508E+00-0.11888976E-03	3
0.38081197E-07-0.71485949E-12-0.55759801E+05		0.49050201E+02	4
c10h18oFqEqjD	11/2007 c 10h 19o 5 OG	300.000 5000.000 1000.000	31
0.61386299E+02	0.11739532E-01-0.16251262E-05	0.13494919E-09-0.55245877E-14	2
-0.75731508E+05-0.28333017E+03	0.20392663E+01	0.13424979E+00-0.80772734E-04	3
0.16127400E-07-0.17560843E-13-0.55252773E+05		0.38360367E+02	4
c10h17oAoBqC	2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1391.000	11
4.02467245E+01	4.19021674E-02-1.45744300E-05	2.28838497E-09-1.33816869E-13	2
-8.07808900E+04-1.71767668E+02-2.02158295E-01		1.39172556E-01-1.05822879E-04	3
4.20332111E-08-6.88346110E-12-6.69261503E+04		4.46273101E+01	4
c10h17oAoBqD	2/ 8 ThERMc 10h 18o 4 OG	300.000 5000.000 1389.000	11
3.96421619E+01	4.23531381E-02-1.47146578E-05	2.30855543E-09-1.34917963E-13	2
-8.11387174E+04-1.67803811E+02	1.90370700E+00	1.31916535E-01-9.78715425E-05	3
3.83339694E-08-6.25248879E-12-6.80345522E+04		3.46112616E+01	4
c10h17oAoBqE	2/ 8 ThERMc 10h 18o 4 OG	300.000 5000.000 1389.000	11
3.96421619E+01	4.23531381E-02-1.47146578E-05	2.30855543E-09-1.34917963E-13	2
-8.11387174E+04-1.67803811E+02	1.90370700E+00	1.31916535E-01-9.78715425E-05	3
3.83339694E-08-6.25248879E-12-6.80345522E+04		3.46112616E+01	4
c10h17oAoCqD	2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1391.000	11
3.97452967E+01	4.23528026E-02-1.47356058E-05	2.31416032E-09-1.35343289E-13	2

-8.32206407E+04-1.67824940E+02-9.93473887E-01	1.39863115E-01-1.05660655E-04	3
4.16539386E-08-6.77256023E-12-6.92229069E+04	5.02797382E+01	4
c10h17oAoCqE 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1389.000	11
3.88881376E+01 4.29830446E-02-1.49292482E-05	2.34174115E-09-1.36836768E-13	2
-8.34466958E+04-1.62334656E+02 1.12079839E+00	1.32854800E-01-9.88265784E-05	3
3.89713984E-08-6.41291527E-12-7.03368353E+04	4.01831488E+01	4
c10h17oAoCqF 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1389.000	11
3.88881376E+01 4.29830446E-02-1.49292482E-05	2.34174115E-09-1.36836768E-13	2
-8.34466958E+04-1.62334656E+02 1.12079839E+00	1.32854800E-01-9.88265784E-05	3
3.89713984E-08-6.41291527E-12-7.03368353E+04	4.01831488E+01	4
c10h17oAoDqB 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1388.000	11
3.89524415E+01 4.29286893E-02-1.49099441E-05	2.33862034E-09-1.36649103E-13	2
-8.34322831E+04-1.62737516E+02 2.31659508E+00	1.30509755E-01-9.76319810E-05	3
3.91088109E-08-6.57174136E-12-7.07005372E+04	3.36628705E+01	4
c10h17oAoDqC 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1388.000	11
3.89524415E+01 4.29286893E-02-1.49099441E-05	2.33862034E-09-1.36649103E-13	2
-8.34322831E+04-1.62737516E+02 2.31659508E+00	1.30509755E-01-9.76319810E-05	3
3.91088109E-08-6.57174136E-12-7.07005372E+04	3.36628705E+01	4
c10h17oAoDqE 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1388.000	11
3.89524415E+01 4.29286893E-02-1.49099441E-05	2.33862034E-09-1.36649103E-13	2
-8.34322831E+04-1.62737516E+02 2.31659508E+00	1.30509755E-01-9.76319810E-05	3
3.91088109E-08-6.57174136E-12-7.07005372E+04	3.36628705E+01	4
c10h17oAoEqD 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1388.000	11
3.89524415E+01 4.29286893E-02-1.49099441E-05	2.33862034E-09-1.36649103E-13	2
-8.34322831E+04-1.62737516E+02 2.31659508E+00	1.30509755E-01-9.76319810E-05	3
3.91088109E-08-6.57174136E-12-7.07005372E+04	3.36628705E+01	4
c10h17oAoEqB 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1388.000	11
3.89524415E+01 4.29286893E-02-1.49099441E-05	2.33862034E-09-1.36649103E-13	2
-8.34322831E+04-1.62737516E+02 2.31659508E+00	1.30509755E-01-9.76319810E-05	3
3.91088109E-08-6.57174136E-12-7.07005372E+04	3.36628705E+01	4
c10h17oBoCqA 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1383.000	11
3.79065003E+01 4.40141568E-02-1.53293144E-05	2.40886578E-09-1.40936132E-13	2
-8.22262668E+04-1.57307451E+02 4.50891936E+00	1.16475650E-01-7.54626263E-05	3
2.54456758E-08-3.62296642E-12-6.98588908E+04	2.43900649E+01	4
c10h17oBoCqD 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1388.000	11
3.95124921E+01 4.26844104E-02-1.48804842E-05	2.34001885E-09-1.36982354E-13	2
-8.52472390E+04-1.66974008E+02-2.62149056E-01	1.35050100E-01-9.77631692E-05	3
3.66981346E-08-5.69455455E-12-7.12905366E+04	4.69869443E+01	4
c10h17oBoCqE c 10h 18o 40 OG	300.00 5000.00 1000.00	1
0.71028810E+01 0.89390613E-01-0.35473688E-04	0.63137904E-08-0.42017916E-12	2
-0.70844172E+05 0.20173714E+02 0.10037415E+01	0.13263381E+00-0.92379792E-04	3
0.23786642E-07 0.17729635E-11-0.72204766E+05	0.41142376E+02	4
c10h17oBoDqA 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1385.000	11
3.78866382E+01 4.39771934E-02-1.53042866E-05	2.40365170E-09-1.40578734E-13	2
-8.39655163E+04-1.56405626E+02 3.11020177E+00	1.22382642E-01-8.41051329E-05	3
3.06817737E-08-4.75167551E-12-7.13842205E+04	3.17435602E+01	4
c10h17oBoDqE 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1390.000	11
3.94419108E+01 4.26985303E-02-1.48747863E-05	2.33799483E-09-1.36817528E-13	2
-8.69677177E+04-1.65781674E+02-1.51645934E+00	1.40279293E-01-1.05454142E-04	3
4.13851709E-08-6.70949653E-12-7.28361707E+04	5.36820843E+01	4
c10h17oBoEqA 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1381.000	11
3.79733160E+01 4.31844556E-02-1.48775514E-05	2.32152913E-09-1.35183291E-13	2
-8.44877346E+04-1.56236006E+02 5.36194268E+00	1.17071384E-01-8.05196009E-05	3
2.98621268E-08-4.74643620E-12-7.26900318E+04	2.01340920E+01	4
c10h17oBoEqC 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1387.000	11
3.86520828E+01 4.33083649E-02-1.50689595E-05	2.36640022E-09-1.38387519E-13	2
-8.71908095E+04-1.60734897E+02 1.95635178E+00	1.30157937E-01-9.62116862E-05	3
3.80817240E-08-6.34320086E-12-7.43374907E+04	3.63193794E+01	4
c10h17oBoEqD 2/8 ThERMc 10h 18o 4 OG	300.000 5000.000 1387.000	11
3.86520828E+01 4.33083649E-02-1.50689595E-05	2.36640022E-09-1.38387519E-13	2
-8.71908095E+04-1.60734897E+02 1.95635178E+00	1.30157937E-01-9.62116862E-05	3

3.80817240E-08-6.34320086E-12-7.43374907E+04 3.63193794E+01 4  
c10h17oBoEqF 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1387.000 11  
3.86520828E+01 4.33083649E-02-1.50689595E-05 2.36640022E-09-1.38387519E-13 2  
-8.71908095E+04-1.60734897E+02 1.95635178E+00 1.30157937E-01-9.62116862E-05 3  
3.80817240E-08-6.34320086E-12-7.43374907E+04 3.63193794E+01 4  
c10h17oBoFqC 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1387.000 11  
3.86520828E+01 4.33083649E-02-1.50689595E-05 2.36640022E-09-1.38387519E-13 2  
-8.71908095E+04-1.60734897E+02 1.95635178E+00 1.30157937E-01-9.62116862E-05 3  
3.80817240E-08-6.34320086E-12-7.43374907E+04 3.63193794E+01 4  
c10h17oBoFqE 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1387.000 11  
3.86520828E+01 4.33083649E-02-1.50689595E-05 2.36640022E-09-1.38387519E-13 2  
-8.71908095E+04-1.60734897E+02 1.95635178E+00 1.30157937E-01-9.62116862E-05 3  
3.80817240E-08-6.34320086E-12-7.43374907E+04 3.63193794E+01 4  
c10h17oCoDqA c 10h 18o 40 OG 300.00 5000.00 1000.00 1  
-0.19482636E+01 0.10426114E+00-0.42989239E-04 0.78558751E-08-0.53243396E-12 2  
-0.65139734E+05 0.71452393E+02 0.10335819E+01 0.13277578E+00-0.93772374E-04 3  
0.23994774E-07 0.24671170E-11-0.70085820E+05 0.41601948E+02 4  
c10h17oCoDqB 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1388.000 11  
3.91266424E+01 4.29839191E-02-1.49760074E-05 2.35399258E-09-1.37754104E-13 2  
-8.51512276E+04-1.64350512E+02 2.18463467E-01 1.35388150E-01-1.01088821E-04 3  
3.99146408E-08-6.57373036E-12-7.16216917E+04 4.43595421E+01 4  
c10h17oCoDqE 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1388.000 11  
3.91266424E+01 4.29839191E-02-1.49760074E-05 2.35399258E-09-1.37754104E-13 2  
-8.51512276E+04-1.64350512E+02 2.18463467E-01 1.35388150E-01-1.01088821E-04 3  
3.99146408E-08-6.57373036E-12-7.16216917E+04 4.43595421E+01 4  
c10h17oCoDqF c 10h 18o 40 OG 300.00 5000.00 1000.00 1  
-0.62567182E+01 0.11234336E+00-0.47342401E-04 0.87858343E-08-0.60207780E-12 2  
-0.65660570E+05 0.94890877E+02 0.47916785E+00 0.13755016E+00-0.10148532E-03 3  
0.28462148E-07 0.17469227E-11-0.72341102E+05 0.43079655E+02 4  
c10h17oCoDqG c 10h 18o 40 OG 300.00 5000.00 1000.00 1  
-0.62567182E+01 0.11234336E+00-0.47342401E-04 0.87858343E-08-0.60207780E-12 2  
-0.65660570E+05 0.94890877E+02 0.47916785E+00 0.13755016E+00-0.10148532E-03 3  
0.28462148E-07 0.17469227E-11-0.72341102E+05 0.43079655E+02 4  
c10h17oCoEqB 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1389.000 11  
3.90780846E+01 4.29714398E-02-1.49594215E-05 2.35009349E-09-1.37473091E-13 2  
-8.68769480E+04-1.63275533E+02-8.66081751E-01 1.39878153E-01-1.07627262E-04 3  
4.38564812E-08-7.41891961E-12-7.31938766E+04 5.02628404E+01 4  
c10h17oCoEqF 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1389.000 11  
3.90780846E+01 4.29714398E-02-1.49594215E-05 2.35009349E-09-1.37473091E-13 2  
-8.68769480E+04-1.63275533E+02-8.66081751E-01 1.39878153E-01-1.07627262E-04 3  
4.38564812E-08-7.41891961E-12-7.31938766E+04 5.02628404E+01 4  
c10h17oCoFqD 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1387.000 11  
3.85568156E+01 4.33198397E-02-1.50567686E-05 2.36275238E-09-1.38102514E-13 2  
-8.72252450E+04-1.59817410E+02 2.10052295E+00 1.31773234E-01-1.00749739E-04 3  
4.17019882E-08-7.25598049E-12-7.46151760E+04 3.52784596E+01 4  
c10h17oCoFqE 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1387.000 11  
3.85568156E+01 4.33198397E-02-1.50567686E-05 2.36275238E-09-1.38102514E-13 2  
-8.72252450E+04-1.59817410E+02 2.10052295E+00 1.31773234E-01-1.00749739E-04 3  
4.17019882E-08-7.25598049E-12-7.46151760E+04 3.52784596E+01 4  
c10h17oCoGqD 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1387.000 11  
3.85568156E+01 4.33198397E-02-1.50567686E-05 2.36275238E-09-1.38102514E-13 2  
-8.72252450E+04-1.59817410E+02 2.10052295E+00 1.31773234E-01-1.00749739E-04 3  
4.17019882E-08-7.25598049E-12-7.46151760E+04 3.52784596E+01 4  
c10h17oCoGqF 2/8 ThERMc 10h 18o 4 OG 300.000 5000.000 1387.000 11  
3.85568156E+01 4.33198397E-02-1.50567686E-05 2.36275238E-09-1.38102514E-13 2  
-8.72252450E+04-1.59817410E+02 2.10052295E+00 1.31773234E-01-1.00749739E-04 3  
4.17019882E-08-7.25598049E-12-7.46151760E+04 3.52784596E+01 4  
c10h17oDoEqA c 10h 18o 40 OG 300.00 5000.00 1000.00 1  
-0.19482636E+01 0.10426114E+00-0.42989239E-04 0.78558751E-08-0.53243396E-12 2  
-0.65139734E+05 0.71452408E+02 0.10335819E+01 0.13277578E+00-0.93772374E-04 3  
0.23994774E-07 0.24671170E-11-0.70085820E+05 0.41601963E+02 4



c10h17oDoEqB	c	10h	18o	40	OG	300.00	5000.00	1000.00	1
-0.62492933E+01	0.11233181E+00	-0.47339068E-04	0.87857979E-08	-0.60212469E-12					2
-0.65935414E+05	0.94848480E+02	0.69918442E+00	0.13604306E+00	-0.97910379E-04					3
0.24936071E-07	0.29812168E-11	-0.72636648E+05	0.42145222E+02						4
c10h17oDoEqC	2/8 ThERMc	10h	18o	4	OG	300.000	5000.000	1388.000	11
3.91266424E+01	4.29839191E-02	-1.49760074E-05	2.35399258E-09	-1.37754104E-13					2
-8.51512276E+04	-1.64350512E+02	2.18463467E-01	1.35388150E-01	-1.01088821E-04					3
3.99146408E-08	-6.57373036E-12	-7.16216917E+04	4.43595421E+01						4
c10h17oDoEqF	2/8 ThERMc	10h	18o	4	OG	300.000	5000.000	1388.000	11
3.91266424E+01	4.29839191E-02	-1.49760074E-05	2.35399258E-09	-1.37754104E-13					2
-8.51512276E+04	-1.64350512E+02	2.18463467E-01	1.35388150E-01	-1.01088821E-04					3
3.99146408E-08	-6.57373036E-12	-7.16216917E+04	4.43595421E+01						4
c10h17oDoEqG	c	10h	18o	40	OG	300.00	5000.00	1000.00	1
-0.62842727E+01	0.11239495E+00	-0.47377875E-04	0.87953484E-08	-0.60293328E-12					2
-0.65649242E+05	0.95044235E+02	0.51716882E+00	0.13730183E+00	-0.10092570E-03					3
0.27938320E-07	0.19210328E-11	-0.72345383E+05	0.42916584E+02						4
c10h17oDoEqH	c	10h	18o	40	OG	300.00	5000.00	1000.00	1
-0.62842727E+01	0.11239495E+00	-0.47377875E-04	0.87953484E-08	-0.60293328E-12					2
-0.65649242E+05	0.95044235E+02	0.51716882E+00	0.13730183E+00	-0.10092570E-03					3
0.27938320E-07	0.19210328E-11	-0.72345383E+05	0.42916584E+02						4
c10h17oDoFqC	2/8 ThERMc	10h	18o	4	OG	300.000	5000.000	1389.000	11
3.90780846E+01	4.29714398E-02	-1.49594215E-05	2.35009349E-09	-1.37473091E-13					2
-8.68769480E+04	-1.63275533E+02	-8.66081751E-01	1.39878153E-01	-1.07627262E-04					3
4.38564812E-08	-7.41891961E-12	-7.31938766E+04	5.02628404E+01						4
c10h17oDoFqG	2/8 ThERMc	10h	18o	4	OG	300.000	5000.000	1389.000	11
3.90780846E+01	4.29714398E-02	-1.49594215E-05	2.35009349E-09	-1.37473091E-13					2
-8.68769480E+04	-1.63275533E+02	-8.66081751E-01	1.39878153E-01	-1.07627262E-04					3
4.38564812E-08	-7.41891961E-12	-7.31938766E+04	5.02628404E+01						4
c10h17oDoGqE	2/8 ThERMc	10h	18o	4	OG	300.000	5000.000	1387.000	11
3.85568156E+01	4.33198397E-02	-1.50567686E-05	2.36275238E-09	-1.38102514E-13					2
-8.72252450E+04	-1.59817410E+02	2.10052295E+00	1.31773234E-01	-1.00749739E-04					3
4.17019882E-08	-7.25598049E-12	-7.46151760E+04	3.52784596E+01						4
c10h17oEoFqC	c	10h	18o	40	OG	300.00	5000.00	1000.00	1
-0.62567182E+01	0.11234336E+00	-0.47342401E-04	0.87858343E-08	-0.60207780E-12					2
-0.65660578E+05	0.94890877E+02	0.47916785E+00	0.13755016E+00	-0.10148532E-03					3
0.28462148E-07	0.17469227E-11	-0.72341109E+05	0.43079666E+02						4
c10h17oEoFqD	2/8 ThERMc	10h	18o	4	OG	300.000	5000.000	1388.000	11
3.91266424E+01	4.29839191E-02	-1.49760074E-05	2.35399258E-09	-1.37754104E-13					2
-8.51512276E+04	-1.64350512E+02	2.18463467E-01	1.35388150E-01	-1.01088821E-04					3
3.99146408E-08	-6.57373036E-12	-7.16216917E+04	4.43595421E+01						4
c10h17oEoFqH	c	10h	18o	40	OG	300.00	5000.00	1000.00	1
-0.62842727E+01	0.11239495E+00	-0.47377875E-04	0.87953484E-08	-0.60293328E-12					2
-0.65649242E+05	0.95044235E+02	0.51716882E+00	0.13730183E+00	-0.10092570E-03					3
0.27938320E-07	0.19210328E-11	-0.72345383E+05	0.42916584E+02						4
c10h17oEoFqI	c	10h	18o	40	OG	300.00	5000.00	1000.00	1
-0.62842727E+01	0.11239495E+00	-0.47377875E-04	0.87953484E-08	-0.60293328E-12					2
-0.65920969E+05	0.95044235E+02	0.51716882E+00	0.13730183E+00	-0.10092570E-03					3
0.27938320E-07	0.19210328E-11	-0.72617117E+05	0.42916584E+02						4
c10h19o2h	c	10h	20o	2	G	0300.00	5000.00	1000.00	1
0.24191536E+02	0.58517322E-01	-0.20019606E-04	0.32116494E-08	-0.19886355E-12					2
-0.38600027E+05	-0.83529999E+02	0.63085027E+01	0.81952430E-01	0.24872594E-04					3
-0.84218343E-07	0.36872276E-10	-0.32955344E+05	0.13995958E+02						4
c10h21o2h	c	10h	22o	2	G	0300.00	5000.00	1000.00	1
0.24345242E+02	0.63453369E-01	-0.21726237E-04	0.34888712E-08	-0.21625219E-12					2
-0.53959410E+05	-0.84722061E+02	0.61041288E+01	0.87279841E-01	0.24273155E-04					3
-0.85926288E-07	0.37700999E-10	-0.48194324E+05	0.14782654E+02						4
c9h19hco	c	10h	20o	1	G	0300.00	5000.00	1000.00	1
0.20839981E+02	0.60064841E-01	-0.20850150E-04	0.33759531E-08	-0.21019722E-12					2
-0.50495207E+05	-0.70039574E+02	-0.10854400E+00	0.11496060E+00	-0.64491447E-04					3
0.86950944E-08	0.41273686E-11	-0.44644766E+05	0.38735161E+02						4
c9h19co	c	10h	19o	1	G	0300.00	5000.00	1000.00	1

0.21888067E+02	0.17680371E-01	-0.45973793E-05	0.60718119E-09	-0.32980075E-13	2
-0.31535605E+05	-0.78729637E+02	0.63410324E+00	0.80357298E-01	-0.71632960E-04	3
0.30559153E-07	-0.43843913E-11	-0.25892623E+05	0.30032263E+02		4
c10h20oB	c	10h	20o	1	G
0.13747478E+02	0.71584202E-01	-0.26332194E-04	0.44410999E-08	-0.28447061E-12	2
-0.51337172E+05	-0.30904594E+02	-0.63701874E+00	0.11640445E+00	-0.68654277E-04	3
0.14442623E-07	0.15401825E-11	-0.48120750E+05	0.41010777E+02		4
c10h20oC	c	10h	20o	1	G
0.81930846E+00	0.93282141E-01	-0.37148049E-04	0.66256969E-08	-0.44146254E-12	2
-0.46241738E+05	0.41649971E+02	-0.10791575E+01	0.12076402E+00	-0.76462667E-04	3
0.17865087E-07	0.19430779E-11	-0.48266094E+05	0.42596947E+02		4
c10h20oD	c	10h	20o	1	G
0.10961013E+01	0.92808336E-01	-0.36904414E-04	0.65751156E-08	-0.43774514E-12	2
-0.46350773E+05	0.40106003E+02	-0.10715234E+01	0.12073632E+00	-0.76466269E-04	3
0.17944974E-07	0.18868494E-11	-0.48267242E+05	0.42561272E+02		4
c10h20oE	c	10h	20o	1	G
0.10961013E+01	0.92808336E-01	-0.36904414E-04	0.65751156E-08	-0.43774514E-12	2
-0.46350773E+05	0.40106003E+02	-0.10715234E+01	0.12073632E+00	-0.76466269E-04	3
0.17944974E-07	0.18868494E-11	-0.48267242E+05	0.42561272E+02		4
c10h20rohAB	4/16/9	THERMc	10h	21o	1
0.52860046E+02	0.13560716E-01	-0.19652318E-05	0.15751621E-09	-0.56206451E-14	2
-0.50503977E+05	-0.24858864E+03	-0.59233850E+00	0.12653472E+00	-0.93318871E-04	3
0.44129752E-07	-0.12130841E-10	-0.31655396E+05	0.41724075E+02		4
c10h20qjohAB	4/15/9	THERMc	10h	21o	3
0.16675129E+02	0.76774716E-01	-0.27434795E-04	0.45377662E-08	-0.28695831E-12	2
-0.53213945E+05	-0.38408905E+02	-0.19030721E+01	0.14608902E+00	-0.10599804E-03	3
0.33820847E-07	-0.17875002E-11	-0.50125805E+05	0.50506203E+02		4
c10h20rohBC	4/16/9	THERMc	10h	21o	1
0.52860046E+02	0.13560716E-01	-0.19652318E-05	0.15751621E-09	-0.56206451E-14	2
-0.50775723E+05	-0.24858864E+03	-0.59233850E+00	0.12653472E+00	-0.93318871E-04	3
0.44129752E-07	-0.12130841E-10	-0.31927141E+05	0.41724075E+02		4
c10h20qjohBC	4/15/9	THERMc	10h	21o	3
0.16665230E+02	0.76773152E-01	-0.27408434E-04	0.45268536E-08	-0.28579098E-12	2
-0.53481879E+05	-0.38349960E+02	-0.16218747E+01	0.14411019E+00	-0.10117298E-03	3
0.28933838E-07	-0.33872255E-13	-0.50427242E+05	0.49319466E+02		4
c10h20rohCD	4/16/9	THERMc	10h	21o	1
0.52860046E+02	0.13560716E-01	-0.19652318E-05	0.15751621E-09	-0.56206451E-14	2
-0.50503977E+05	-0.24858864E+03	-0.59233850E+00	0.12653472E+00	-0.93318871E-04	3
0.44129752E-07	-0.12130841E-10	-0.31655396E+05	0.41724075E+02		4
c10h20qjohCD	4/15/9	THERMc	10h	21o	3
0.16675129E+02	0.76774716E-01	-0.27434795E-04	0.45377662E-08	-0.28695831E-12	2
-0.53213945E+05	-0.38408905E+02	-0.19030721E+01	0.14608902E+00	-0.10599804E-03	3
0.33820847E-07	-0.17875002E-11	-0.50125805E+05	0.50506203E+02		4
c10h20rohDE	4/16/9	THERMc	10h	21o	1
0.52860046E+02	0.13560716E-01	-0.19652318E-05	0.15751621E-09	-0.56206451E-14	2
-0.50503977E+05	-0.24858864E+03	-0.59233850E+00	0.12653472E+00	-0.93318871E-04	3
0.44129752E-07	-0.12130841E-10	-0.31655396E+05	0.41724075E+02		4
c10h20qjohDE	4/15/9	THERMc	10h	21o	3
0.16675129E+02	0.76774716E-01	-0.27434795E-04	0.45377662E-08	-0.28695831E-12	2
-0.53213945E+05	-0.38408905E+02	-0.19030721E+01	0.14608902E+00	-0.10599804E-03	3
0.33820847E-07	-0.17875002E-11	-0.50125805E+05	0.50506203E+02		4
c10h20roheF	4/16/9	THERMc	10h	21o	1
0.52860046E+02	0.13560716E-01	-0.19652318E-05	0.15751621E-09	-0.56206451E-14	2
-0.50503977E+05	-0.24858864E+03	-0.59233850E+00	0.12653472E+00	-0.93318871E-04	3
0.44129752E-07	-0.12130841E-10	-0.31655396E+05	0.41724075E+02		4
c10h20qjohEF	4/15/9	THERMc	10h	21o	3
0.16675129E+02	0.76774716E-01	-0.27434795E-04	0.45377662E-08	-0.28695831E-12	2
-0.53213945E+05	-0.38408905E+02	-0.19030721E+01	0.14608902E+00	-0.10599804E-03	3
0.33820847E-07	-0.17875002E-11	-0.50125805E+05	0.50506203E+02		4
c2h5cohco	c	4h	6o	20	OG
0.14739259E+02	0.13225887E-01	-0.38941639E-05	0.56251526E-09	-0.32462870E-13	2

-0.413973336E+05-0.53247761E+02 0.18051472E+01	0.42755753E-01-0.25063433E-04	3
0.45236979E-08 0.57545120E-12-0.37283613E+05	0.15680321E+02	4
c2h5coco c 4h 5o 20 OG	300.00 5000.00 1000.00	1
0.15105543E+02 0.98749883E-02-0.23287557E-05	0.28538863E-09-0.14688630E-13	2
-0.23719982E+05-0.56292492E+02 0.18359716E+01	0.38315888E-01-0.19234067E-04	3
0.12637504E-09 0.18738962E-11-0.19373721E+05	0.14963073E+02	4
ch3coch2hco c 4h 6o 2 G	0300.00 5000.00 1000.00	1
-0.11254543E+01 0.39765101E-01-0.16878952E-04	0.31484686E-08-0.21655221E-12	2
-0.40318285E+05 0.42259468E+02-0.60580101E-01	0.46090852E-01-0.28861905E-04	3
0.67779320E-08 0.68161687E-12-0.41638715E+05	0.33134945E+02	4
ch3coch2co c 4h 5o 2 G	0300.00 5000.00 1000.00	1
0.16903890E+01 0.30235900E-01-0.11208532E-04	0.19016195E-08-0.12235966E-12	2
-0.23242553E+05 0.29035389E+02 0.33443961E+00	0.44383127E-01-0.35499481E-04	3
0.16137106E-07-0.28740189E-11-0.23871773E+05	0.32342957E+02	4
choch2ch2cho c 4h 6o 2 G	0300.00 5000.00 1000.00	1
0.10402323E+02 0.20059148E-01-0.69339849E-05	0.11205451E-08-0.69735613E-13	2
-0.39731719E+05-0.22132637E+02 0.19870868E+01	0.47386240E-01-0.41948748E-04	3
0.22063963E-07-0.49414132E-11-0.37569957E+05	0.20414827E+02	4
choch2ch2co 7/11/7 ThERMc 4h 5o 2 OG	300.000 5000.000 1373.000	21
1.35372607E+01 1.35220919E-02-4.57439065E-06	7.05557672E-10-4.07673567E-14	2
-2.19470290E+04-3.84549802E+01 5.22317090E+00	2.99719445E-02-1.62395548E-05	3
4.16970293E-09-3.91746676E-13-1.87077258E+04	7.34488150E+00	4
c3h7cohc c 5h 8o 20 OG	300.00 5000.00 1000.00	1
0.16468891E+02 0.19568112E-01-0.60803804E-05	0.91144953E-09-0.53877381E-13	2
-0.44782672E+05-0.60479607E+02 0.16150942E+01	0.54419052E-01-0.31526542E-04	3
0.52918128E-08 0.10052649E-11-0.40179207E+05	0.18274025E+02	4
c3h7coco c 5h 7o 20 OG	300.00 5000.00 1000.00	1
0.17075876E+02 0.15713822E-01-0.41878484E-05	0.56234178E-09-0.30846687E-13	2
-0.27186080E+05-0.64803772E+02 0.16084892E+01	0.50249301E-01-0.26353942E-04	3
0.15519785E-08 0.20711744E-11-0.22265547E+05	0.17733343E+02	4
c2h5coch2hco 11/16/07 c 5h 8o 2 OG	300.000 5000.000 1000.000	31
-0.12940953E+02 0.69903918E-01-0.31803214E-04	0.62314123E-08-0.44409864E-12	2
-0.38527070E+05 0.11053633E+03-0.84370774E+00	0.63168347E-01-0.45684359E-04	3
0.13530840E-07 0.60230298E-12-0.44663621E+05	0.37952915E+02	4
c2h5coch2co 11/16/07 c 5h 7o 2 OG	300.000 5000.000 1000.000	31
-0.97643614E+01 0.59025787E-01-0.24843101E-04	0.46061848E-08-0.31543816E-12	2
-0.21479910E+05 0.95646568E+02-0.39542896E+00	0.61088029E-01-0.51419604E-04	3
0.21982974E-07-0.26304282E-11-0.26902330E+05	0.36940765E+02	4
ch3coc2h4hco c 5h 8o 2 G	0300.00 5000.00 1000.00	1
-0.90419042E+00 0.48337679E-01-0.20118665E-04	0.37012207E-08-0.25206985E-12	2
-0.41660785E+05 0.43492023E+02 0.20693679E+01	0.54399990E-01-0.36287605E-04	3
0.10339596E-07 0.17453447E-12-0.44020766E+05	0.22654131E+02	4
ch3coc2h4co c 5h 7o 2 G	0300.00 5000.00 1000.00	1
0.19177376E+01 0.38844462E-01-0.14501396E-04	0.24715141E-08-0.15948743E-12	2
-0.24595562E+05 0.30215622E+02 0.25740378E+01	0.51932082E-01-0.41100266E-04	3
0.17878603E-07-0.27374559E-11-0.26265559E+05	0.21402668E+02	4
hcoc3h6hco c 5h 8o 2 G	0300.00 5000.00 1000.00	1
-0.24373136E+01 0.51202632E-01-0.21667551E-04	0.40336059E-08-0.27706578E-12	2
-0.37370984E+05 0.51938530E+02 0.23621762E+01	0.54721203E-01-0.36765450E-04	3
0.97104857E-08 0.74680491E-12-0.40521121E+05	0.20666948E+02	4
hcoc3h6co c 5h 7o 2 G	0300.00 5000.00 1000.00	1
0.51536059E+00 0.41369535E-01-0.15779357E-04	0.27307743E-08-0.17814541E-12	2
-0.20339604E+05 0.38679955E+02 0.27169209E+01	0.53290054E-01-0.44060904E-04	3
0.19720455E-07-0.30373148E-11-0.22749828E+05	0.20743933E+02	4
c4h9cohc c 6h 10o 20 OG	300.00 5000.00 1000.00	1
0.18230997E+02 0.25888149E-01-0.82845845E-05	0.12680983E-08-0.76040804E-13	2
-0.48184930E+05-0.67906448E+02 0.13289819E+01	0.66762194E-01-0.39658451E-04	3
0.77628544E-08 0.81913171E-12-0.43064703E+05	0.21272709E+02	4
c4h9coco c 6h 9o 20 OG	300.00 5000.00 1000.00	1
0.19022552E+02 0.21653682E-01-0.61446640E-05	0.86261071E-09-0.48725970E-13	2
-0.30651861E+05-0.73206749E+02 0.13761438E+01	0.62239017E-01-0.33665914E-04	3

0.32257297E-08	0.21613798E-11	-0.25157170E+05	0.20525379E+02			4	
c3h7coch2hco	11/16/07	c 6h 10o 2	OG	300.000	5000.000	1000.000	31
-0.11191474E+02	0.75941749E-01	-0.33618278E-04	0.64603078E-08	-0.45396651E-12			2
-0.41875945E+05	0.10332356E+03	-0.10716561E+01	0.75103901E-01	-0.52827163E-04			3
0.15004920E-07	0.77228187E-12	-0.47555281E+05	0.40705853E+02				4
c3h7coch2co	11/16/07	c 6h 9o 2	OG	300.000	5000.000	1000.000	31
-0.79288030E+01	0.65123327E-01	-0.26849919E-04	0.49059343E-08	-0.33245008E-12			2
-0.24896879E+05	0.87857796E+02	-0.74232560E+00	0.73849380E-01	-0.60547038E-04			3
0.25438153E-07	-0.31613939E-11	-0.29781277E+05	0.40201035E+02				4
c2h5coc2h4hco		c 6h 10o 2	G	0300.00	5000.00	1000.00	1
-0.12573102E+02	0.78058399E-01	-0.34696928E-04	0.66868675E-08	-0.47086434E-12			2
-0.39899969E+05	0.11103112E+03	0.14208453E+01	0.70562162E-01	-0.50962513E-04			3
0.15004934E-07	0.81338799E-12	-0.47060305E+05	0.26899633E+02				4
c2h5coc2h4co		c 6h 9o 2	G	0300.00	5000.00	1000.00	1
-0.93244343E+01	0.67222312E-01	-0.27887543E-04	0.51179700E-08	-0.34791446E-12			2
-0.22908547E+05	0.95663322E+02	0.18367063E+01	0.68703756E-01	-0.57223951E-04			3
0.23976128E-07	-0.26011268E-11	-0.29295502E+05	0.26028908E+02				4
ch3coc3h6hco		c 6h 10o 2	G	0300.00	5000.00	1000.00	1
0.79979819E+00	0.54688908E-01	-0.22283117E-04	0.40390686E-08	-0.27222297E-12			2
-0.45029750E+05	0.36420666E+02	0.19080460E+01	0.65878943E-01	-0.42343370E-04			3
0.10733933E-07	0.72611876E-12	-0.46919648E+05	0.25124050E+02				4
ch3coc3h6co		c 6h 9o 2	G	0300.00	5000.00	1000.00	1
0.35012920E+01	0.45491531E-01	-0.16893529E-04	0.28698885E-08	-0.18484502E-12			2
-0.27930250E+05	0.23778927E+02	0.24413955E+01	0.63199483E-01	-0.46618847E-04			3
0.17711248E-07	-0.19793720E-11	-0.29167326E+05	0.23756651E+02				4
c5h11cohc		c 7h 12o 20	OG	300.00	5000.00	1000.00	1
0.19808544E+02	0.32505091E-01	-0.10620273E-04	0.16478627E-08	-0.99640924E-13			2
-0.51512996E+05	-0.74297371E+02	0.11027051E+01	0.78663722E-01	-0.46658592E-04			3
0.90292662E-08	0.10863246E-11	-0.45956246E+05	0.24021563E+02				4
c5h11coco		c 7h 11o 20	OG	300.00	5000.00	1000.00	1
0.20718140E+02	0.28017355E-01	-0.83104260E-05	0.12034383E-08	-0.69387787E-13			2
-0.34018672E+05	-0.80223793E+02	0.11081926E+01	0.74438207E-01	-0.41396259E-04			3
0.52330980E-08	0.21628554E-11	-0.28044404E+05	0.23457716E+02				4
c4h9coch2hco	11/16/07	c 7h 12o 2	OG	300.000	5000.000	1000.000	31
-0.94036551E+01	0.82001582E-01	-0.35512909E-04	0.67193024E-08	-0.46691893E-12			2
-0.45254449E+05	0.95854774E+02	-0.13707602E+01	0.87533154E-01	-0.61154518E-04			3
0.17658323E-07	0.52635457E-12	-0.50439336E+05	0.43760078E+02				4
c4h9coch2co	11/16/07	c 7h 11o 2	OG	300.000	5000.000	1000.000	31
-0.62559252E+01	0.71541063E-01	-0.29064269E-04	0.52574451E-08	-0.35382664E-12			2
-0.28254691E+05	0.80957962E+02	-0.79357970E+00	0.84560499E-01	-0.64751395E-04			3
0.23981560E-07	-0.19548863E-11	-0.32691863E+05	0.42208435E+02				4
c3h7coc2h4hco		c 7h 12o 2	G	0300.00	5000.00	1000.00	1
-0.10871086E+02	0.84257521E-01	-0.36654397E-04	0.69569905E-08	-0.48450442E-12			2
-0.43244383E+05	0.10404272E+03	0.13054632E+01	0.81709594E-01	-0.56189387E-04			3
0.14539792E-07	0.16800742E-11	-0.49963922E+05	0.29176781E+02				4
c3h7coc2h4co		c 7h 11o 2	G	0300.00	5000.00	1000.00	1
-0.77518487E+01	0.73803537E-01	-0.30178713E-04	0.54840616E-08	-0.37027925E-12			2
-0.26225336E+05	0.89327576E+02	0.15636251E+01	0.80936842E-01	-0.65038796E-04			3
0.26075456E-07	-0.26360544E-11	-0.32182129E+05	0.28977947E+02				4
c7oAoE		c 7h 12o 2	G	0300.00	5000.00	1000.00	1
-0.10871086E+02	0.84257521E-01	-0.36654397E-04	0.69569905E-08	-0.48450442E-12			2
-0.43244391E+05	0.10404272E+03	0.13054632E+01	0.81709594E-01	-0.56189387E-04			3
0.14539792E-07	0.16800742E-11	-0.49963926E+05	0.29176773E+02				4
c7oyAoE		c 7h 11o 2	G	0300.00	5000.00	1000.00	1
-0.77518487E+01	0.73803537E-01	-0.30178713E-04	0.54840616E-08	-0.37027925E-12			2
-0.26225336E+05	0.89327576E+02	0.15636251E+01	0.80936842E-01	-0.65038796E-04			3
0.26075456E-07	-0.26360544E-11	-0.32182129E+05	0.28977947E+02				4
c6h13cocho		c 8h 14o 20	OG	300.00	5000.00	1000.00	1
0.21485601E+02	0.38983621E-01	-0.12915806E-04	0.20246300E-08	-0.12332850E-12			2
-0.54883762E+05	-0.81255867E+02	0.80368114E+00	0.91093063E-01	-0.54987253E-04			3
0.11684440E-07	0.83978018E-12	-0.48840324E+05	0.27075340E+02				4

c6h13coco	c	8h	13o	20	OG	300.00	5000.00	1000.00	1	
0.22467527E+02	0.34334410E-01	-0.10494272E-04	0.15539033E-08	-0.91040334E-13					2	
-0.37412430E+05	-0.87551117E+02	0.11167953E+01	0.84740140E-01	-0.44619410E-04					3	
0.27944003E-08	0.37184999E-11	-0.30961547E+05	0.25225473E+02						4	
c8oAoC	c	8h	14o	2	G	0300.00	5000.00	1000.00	1	
-0.76532474E+01	0.88186562E-01	-0.37524445E-04	0.70130346E-08	-0.48309409E-12					2	
-0.48627516E+05	0.88566010E+02	-0.14613533E+01	0.98514296E-01	-0.66000699E-04					3	
0.16836410E-07	0.15100886E-11	-0.53345676E+05	0.45931557E+02						4	
c8oyAoC	c	8h	13o	2	G	0300.00	5000.00	1000.00	1	
-0.45436163E+01	0.77907883E-01	-0.31262265E-04	0.56069438E-08	-0.37511430E-12					2	
-0.31631041E+05	0.73829605E+02	-0.10666863E+01	0.96814275E-01	-0.72669805E-04					3	
0.26239189E-07	-0.20648528E-11	-0.35578770E+05	0.45154221E+02						4	
c8oAoD	c	8h	14o	2	G	0300.00	5000.00	1000.00	1	
-0.91473370E+01	0.90475447E-01	-0.38670787E-04	0.72492288E-08	-0.50040527E-12					2	
-0.46604883E+05	0.96909325E+02	0.92515320E+00	0.94688930E-01	-0.65806562E-04					3	
0.18450802E-07	0.99884771E-12	-0.52839102E+05	0.32576759E+02						4	
c8oyAoD	c	8h	13o	2	G	0300.00	5000.00	1000.00	1	
-0.60215259E+01	0.80127493E-01	-0.32340027E-04	0.58229084E-08	-0.39058492E-12					2	
-0.29608137E+05	0.82102364E+02	0.13401706E+01	0.92844799E-01	-0.72121911E-04					3	
0.27493368E-07	-0.24463001E-11	-0.35074328E+05	0.31713640E+02						4	
c8oAoE	c	8h	14o	2	G	0300.00	5000.00	1000.00	1	
-0.91473370E+01	0.90475447E-01	-0.38670787E-04	0.72492288E-08	-0.50040527E-12					2	
-0.46604883E+05	0.96909325E+02	0.92515320E+00	0.94688930E-01	-0.65806562E-04					3	
0.18450802E-07	0.99884771E-12	-0.52839102E+05	0.32576759E+02						4	
c8oyAoE	c	8h	13o	2	G	0300.00	5000.00	1000.00	1	
-0.60215259E+01	0.80127493E-01	-0.32340027E-04	0.58229084E-08	-0.39058492E-12					2	
-0.29608137E+05	0.82102364E+02	0.13401706E+01	0.92844799E-01	-0.72121911E-04					3	
0.27493368E-07	-0.24463001E-11	-0.35074328E+05	0.31713640E+02						4	
c7h15cocho	c	9h	16o	2	G	0300.00	5000.00	1000.00	1	
0.23155094E+02	0.45477062E-01	-0.15222285E-04	0.24040621E-08	-0.14722373E-12					2	
-0.58251656E+05	-0.88173157E+02	0.68190461E+00	0.10229115E+00	-0.60356600E-04					3	
0.11387066E-07	0.16369764E-11	-0.51743332E+05	0.29378815E+02						4	
c7h15coco	c	9h	15o	2	G	0300.00	5000.00	1000.00	1	
0.24233280E+02	0.40633786E-01	-0.12674992E-04	0.19038575E-08	-0.11262376E-12					2	
-0.40814055E+05	-0.94991287E+02	0.68212771E+00	0.98115891E-01	-0.55235818E-04					3	
0.77470652E-08	0.26542182E-11	-0.33831184E+05	0.28853174E+02						4	
c9oAoC	c	9h	16o	2	G	0300.00	5000.00	1000.00	1	
-0.58768668E+01	0.94361089E-01	-0.39543469E-04	0.73097097E-08	-0.49951671E-12					2	
-0.52019414E+05	0.81111618E+02	-0.16895115E+01	0.11043693E+00	-0.73071729E-04					3	
0.18193893E-07	0.17378832E-11	-0.56237133E+05	0.48687267E+02						4	
c9oyAoC	c	9h	15o	2	G	0300.00	5000.00	1000.00	1	
-0.28858628E+01	0.84375001E-01	-0.33509492E-04	0.59654708E-08	-0.39695306E-12					2	
-0.34988707E+05	0.66999374E+02	-0.14097799E+01	0.10953296E+00	-0.81649865E-04					3	
0.29498828E-07	-0.25090095E-11	-0.38457910E+05	0.48398739E+02						4	
c9oAoD	c	9h	16o	2	G	0300.00	5000.00	1000.00	1	
-0.73688302E+01	0.96636087E-01	-0.40675688E-04	0.75417566E-08	-0.51645418E-12					2	
-0.49995738E+05	0.89448219E+02	0.73609143E+00	0.10634527E+00	-0.72250514E-04					3	
0.19195118E-07	0.14393408E-11	-0.55734805E+05	0.35166233E+02						4	
c9oyAoD	c	9h	15o	2	G	0300.00	5000.00	1000.00	1	
-0.43717647E+01	0.86603023E-01	-0.34589499E-04	0.61817373E-08	-0.41244764E-12					2	
-0.32961660E+05	0.75319054E+02	0.11950926E+01	0.10418519E+00	-0.77782315E-04					3	
0.27434101E-07	-0.17149812E-11	-0.37974582E+05	0.34120312E+02						4	
c9oAoE	c	9h	16o	2	G	0300.00	5000.00	1000.00	1	
-0.73688302E+01	0.96636087E-01	-0.40675688E-04	0.75417566E-08	-0.51645418E-12					2	
-0.49995738E+05	0.89448219E+02	0.73609143E+00	0.10634527E+00	-0.72250514E-04					3	
0.19195118E-07	0.14393408E-11	-0.55734805E+05	0.35166233E+02						4	
c9oyAoE	c	9h	15o	2	G	0300.00	5000.00	1000.00	1	
-0.43717647E+01	0.86603023E-01	-0.34589499E-04	0.61817373E-08	-0.41244764E-12					2	
-0.32961660E+05	0.75319054E+02	0.11950926E+01	0.10418519E+00	-0.77782315E-04					3	
0.27434101E-07	-0.17149812E-11	-0.37974582E+05	0.34120312E+02						4	
c2h5coc3h6-1	14/04/09	c	6h	11o	1	Og	300.000	5000.000	1000.000	1

-0.19928465E+01	0.56852952E-01	-0.22060156E-04	0.38633146E-08	-0.25410208E-12	2	
-0.92114756E+04	0.50608898E+02	-0.10352753E+01	0.82059510E-01	-0.76060234E-04	3	
0.38905025E-07	-0.75072119E-11	-0.12082103E+05	0.35920418E+02		4	
c2h5coc3h6o2-1	14/04/09	c 6h 11o 3 0g	300.000	5000.000	1000.000	1
0.17303562E-01	0.61318409E-01	-0.23928329E-04	0.42071560E-08	-0.27748767E-12		2
-0.26859480E+05	0.45185028E+02	0.63390392E+00	0.84316202E-01	-0.64012209E-04		3
0.20561478E-07	-0.22730355E-12	-0.29712301E+05	0.32505867E+02			4
c2h5coc3h6o2h-1	14/4/09	c 6h 12o 3 0g	300.000	5000.000	1000.000	1
-0.24538543E+01	0.69068864E-01	-0.28517543E-04	0.52170095E-08	-0.35389608E-12		2
-0.43774516E+05	0.60120399E+02	0.17135122E+01	0.82158916E-01	-0.57425153E-04		3
0.15034768E-07	0.13820448E-11	-0.47652664E+05	0.28990437E+02			4
c2h5coc3h6o-1	14/04/09	c 6h 11o 2 0g	300.000	5000.000	1000.000	1
-0.25882854E+01	0.61611418E-01	-0.24234871E-04	0.42846433E-08	-0.28368407E-12		2
-0.25929021E+05	0.55830608E+02	-0.98392731E+00	0.81776075E-01	-0.63733642E-04		3
0.23517160E-07	-0.18506986E-11	-0.28944176E+05	0.38313740E+02			4
Fc6oC	11/20/07	c 6h 11o 1 0G	300.000	5000.000	1000.000	31
-0.19928465E+01	0.56852952E-01	-0.22060156E-04	0.38633146E-08	-0.25410208E-12		2
-0.92114756E+04	0.50608898E+02	-0.10352753E+01	0.82059510E-01	-0.76060234E-04		3
0.38905025E-07	-0.75072119E-11	-0.12082103E+05	0.35920418E+02			4
c6oCqjF	11/20/07	c 6h 11o 3 0G	300.000	5000.000	1000.000	31
0.17303562E-01	0.61318409E-01	-0.23928329E-04	0.42071560E-08	-0.27748767E-12		2
-0.26859480E+05	0.45185028E+02	0.63390392E+00	0.84316202E-01	-0.64012209E-04		3
0.20561478E-07	-0.22730355E-12	-0.29712301E+05	0.32505867E+02			4
Dc6oCqF	11/20/07	c 6h 11o 3 0G	300.000	5000.000	1000.000	31
0.65709686E+00	0.60249776E-01	-0.23397673E-04	0.41005794E-08	-0.26988153E-12		2
-0.24306268E+05	0.43133324E+02	0.10258147E+01	0.89768246E-01	-0.81939805E-04		3
0.38916802E-07	-0.64821607E-11	-0.27381777E+05	0.30286562E+02			4
c6oCqFqjD	11/20/07	c 6h 11o 5 0G	300.000	5000.000	1000.000	31
0.26609344E+01	0.65286502E-01	-0.25646812E-04	0.45309143E-08	-0.29987696E-12		2
-0.39109938E+05	0.39296135E+02	0.69323474E+00	0.10176343E+00	-0.83807834E-04		3
0.28916723E-07	-0.11015376E-11	-0.41929820E+05	0.37563919E+02			4
nc3h7coc2h4p	2/22/96	trmc 6h 11o 1 0g	300.000	5000.000	1380.000	51
1.92391148e+01	2.51659147e-02	-8.57508083e-06	1.32847255e-09	-7.69774808e-14		2
-1.85404890e+04	-7.00617026e+01	2.08958703e+00	6.24878115e-02	-3.97257078e-05		3
1.33752941e-08	-1.92193795e-12	-1.21992557e+04	2.32035207e+01			4
nc3h7coc2h4o2	23/01/09	c 6h 11o 3 0g	300.000	5000.000	1000.000	1
-0.27137476E+00	0.61813820E-01	-0.24185589E-04	0.42612784E-08	-0.28152272E-12		2
-0.26745207E+05	0.46796783E+02	0.38784835E+00	0.86001523E-01	-0.67999958E-04		3
0.24474442E-07	-0.15869495E-11	-0.29685695E+05	0.33551151E+02			4
nc3h7coc2h4o2h	23/01/09	c 6h 12o 3 0g	300.000	5000.000	1000.000	1
-0.27132683E+01	0.69520004E-01	-0.28754148E-04	0.52669251E-08	-0.35760986E-12		2
-0.43673590E+05	0.61563953E+02	0.16487985E+01	0.82592793E-01	-0.58421985E-04		3
0.15976473E-07	0.10694108E-11	-0.47645562E+05	0.29266394E+02			4
nc3h7coc2h4o	23/01/09	c 6h 11o 2 0g	300.000	5000.000	1000.000	1
-0.26966052E+01	0.61800648E-01	-0.24338944E-04	0.43078408E-08	-0.28550282E-12		2
-0.25886318E+05	0.56434509E+02	-0.85718077E+00	0.80896161E-01	-0.61615043E-04		3
0.21394984E-07	-0.10963874E-11	-0.28957740E+05	0.37777760E+02			4
c3h7coc2h4qj	11/16/07	c 6h 11o 3 0G	300.000	5000.000	1000.000	31
-0.27137476E+00	0.61813820E-01	-0.24185589E-04	0.42612784E-08	-0.28152272E-12		2
-0.26745207E+05	0.46796783E+02	0.38784835E+00	0.86001523E-01	-0.67999958E-04		3
0.24474442E-07	-0.15869495E-11	-0.29685695E+05	0.33551151E+02			4
c2h5chcoc2h4q	11/16/07	c 6h 11o 3 0G	300.000	5000.000	1000.000	31
0.42567706E+00	0.60641065E-01	-0.23592698E-04	0.41398209E-08	-0.27268576E-12		2
-0.24215232E+05	0.44450573E+02	0.93443424E+00	0.90357177E-01	-0.83266939E-04		3
0.40158326E-07	-0.68927971E-11	-0.27371236E+05	0.30706070E+02			4
c3h7cochch2q	11/16/07	c 6h 11o 3 0G	300.000	5000.000	1000.000	31
0.38453087E+00	0.60715687E-01	-0.23637132E-04	0.41504391E-08	-0.27356521E-12		2
-0.24198471E+05	0.44685715E+02	0.91858512E+00	0.90490445E-01	-0.83608677E-04		3
0.40509040E-07	-0.70185051E-11	-0.27370053E+05	0.30774313E+02			4
c2h5chqjcoc2h4q	11/16/7	c 6h 11o 5 0G	300.000	5000.000	1000.000	31
0.26609344E+01	0.65286502E-01	-0.25646812E-04	0.45309143E-08	-0.29987696E-12		2

-0.39109879E+05	0.39296928E+02	0.65595829E+00	0.10202046E+00	-0.84421321E-04	3					
0.29525289E-07	-0.13156865E-11	-0.41925809E+05	0.37722607E+02		4					
c3h7cochqjch2q	11/16/7	c	6h	11o	5	0G	300.000	5000.000	1000.000	31
0.26609344E+01	0.65286502E-01	-0.25646812E-04	0.45309143E-08	-0.29987696E-12	2					
-0.39109938E+05	0.38603127E+02	0.69323474E+00	0.10176343E+00	-0.83807834E-04	3					
0.28916723E-07	-0.11015376E-11	-0.41929816E+05	0.36870907E+02		4					
nc4h9coc2h4p	2/22/96	trmc	7h	13o	1	0g	300.000	5000.000	1000.000	51
-0.27709353E+00	0.63256085E-01	-0.24308392E-04	0.42284425E-08	-0.27681682E-12	2					
-0.12596286E+05	0.43442142E+02	-0.13162464E+01	0.94364487E-01	-0.84094034E-04	3					
0.41271402E-07	-0.76538663E-11	-0.14968117E+05	0.38901386E+02		4					
nc4h9coc2h4o2	23/01/09	c	7h	13o	3	0g	300.000	5000.000	1000.000	1
0.15442940E+01	0.68040177E-01	-0.26338756E-04	0.46059276E-08	-0.30268827E-12	2					
-0.30168770E+05	0.39072868E+02	0.33634517E+00	0.96723363E-01	-0.72253446E-04	3					
0.23091848E-07	-0.41578110E-12	-0.32596379E+05	0.35557541E+02		4					
nc4h9coc2h4o2h	23/01/09	c	7h	14o	3	0g	300.000	5000.000	1000.000	1
-0.82995027E+00	0.75562038E-01	-0.30756626E-04	0.55703624E-08	-0.37517193E-12	2					
-0.47112914E+05	0.53493481E+02	0.13843561E+01	0.94782956E-01	-0.66182307E-04	3					
0.18075669E-07	0.10142453E-11	-0.50533328E+05	0.32173725E+02		4					
nc4h9coc2h4o	23/01/09	c	7h	13o	2	0g	300.000	5000.000	1000.000	1
-0.85108739E+00	0.67970060E-01	-0.26458378E-04	0.46447171E-08	-0.30605328E-12	2					
-0.29320070E+05	0.48549061E+02	-0.12538546E+01	0.94012983E-01	-0.71624308E-04	3					
0.25760444E-07	-0.19605144E-11	-0.31831494E+05	0.41246357E+02		4					
Ac7oC	11/19/07	c	7h	13o	1	0G	300.000	5000.000	1000.000	31
-0.27709353E+00	0.63256085E-01	-0.24308392E-04	0.42284425E-08	-0.27681682E-12	2					
-0.12596286E+05	0.43442142E+02	-0.13162464E+01	0.94364487E-01	-0.84094034E-04	3					
0.41271402E-07	-0.76538663E-11	-0.14968117E+05	0.38901386E+02		4					
c7oCqjA	11/19/07	c	7h	13o	3	0G	300.000	5000.000	1000.000	31
0.15442940E+01	0.68040177E-01	-0.26338756E-04	0.46059276E-08	-0.30268827E-12	2					
-0.30168770E+05	0.39072868E+02	0.33634517E+00	0.96723363E-01	-0.72253446E-04	3					
0.23091848E-07	-0.41578110E-12	-0.32596379E+05	0.35557541E+02		4					
Dc7oCqA	11/19/07	c	7h	13o	3	0G	300.000	5000.000	1000.000	31
0.22603157E+01	0.66837527E-01	-0.25730542E-04	0.44810697E-08	-0.29357606E-12	2					
-0.27646125E+05	0.36615578E+02	0.69553852E+00	0.10241663E+00	-0.90782822E-04	3					
0.42064428E-07	-0.68936844E-11	-0.30262621E+05	0.33493950E+02		4					
c7oCqAqjD	11/19/07	c	7h	13o	5	0G	300.000	5000.000	1000.000	31
0.43074183E+01	0.71792826E-01	-0.27932670E-04	0.49008335E-08	-0.32275259E-12	2					
-0.42466027E+05	0.31825829E+02	0.56108463E+00	0.11302855E+00	-0.89322195E-04	3					
0.28744292E-07	-0.34065657E-12	-0.44831668E+05	0.39220276E+02		4					
nc3h7coc3h6-1	14/4/09	c	7h	13o	1	0g	300.000	5000.000	1000.000	1
-0.27709353E+00	0.63256085E-01	-0.24308392E-04	0.42284425E-08	-0.27681682E-12	2					
-0.12596286E+05	0.43442142E+02	-0.13162464E+01	0.94364487E-01	-0.84094034E-04	3					
0.41271402E-07	-0.76538663E-11	-0.14968117E+05	0.38901382E+02		4					
nc3h7coc3h6o2-1	14/4/09	c	7h	13o	3	0g	300.000	5000.000	1000.000	1
0.15442940E+01	0.68040177E-01	-0.26338756E-04	0.46059276E-08	-0.30268827E-12	2					
-0.30168840E+05	0.39072212E+02	0.37372386E+00	0.96465625E-01	-0.71638300E-04	3					
0.22481633E-07	-0.20105247E-12	-0.32600398E+05	0.35398567E+02		4					
nc3h7coc3h6o2h-1	14/4/9	c	7h	14o	3	0g	300.000	5000.000	1000.000	1
-0.82995027E+00	0.75562038E-01	-0.30756626E-04	0.55703624E-08	-0.37517193E-12	2					
-0.47112914E+05	0.53493481E+02	0.13843561E+01	0.94782956E-01	-0.66182307E-04	3					
0.18075669E-07	0.10142453E-11	-0.50533328E+05	0.32173725E+02		4					
nc3h7coc3h6o-1	14/4/09	c	7h	13o	2	0g	300.000	5000.000	1000.000	1
-0.85108739E+00	0.67970060E-01	-0.26458378E-04	0.46447171E-08	-0.30605328E-12	2					
-0.29319891E+05	0.48548794E+02	-0.13584634E+01	0.94736993E-01	-0.73359792E-04	3					
0.27489104E-07	-0.25710523E-11	-0.31820275E+05	0.41688850E+02		4					
Ac7oD	11/20/07	c	7h	13o	1	0G	300.000	5000.000	1000.000	31
-0.27709353E+00	0.63256085E-01	-0.24308392E-04	0.42284425E-08	-0.27681682E-12	2					
-0.12596286E+05	0.43442142E+02	-0.13162464E+01	0.94364487E-01	-0.84094034E-04	3					
0.41271402E-07	-0.76538663E-11	-0.14968117E+05	0.38901382E+02		4					
c7oDqjA	11/20/07	c	7h	13o	3	0G	300.000	5000.000	1000.000	31
0.15442940E+01	0.68040177E-01	-0.26338756E-04	0.46059276E-08	-0.30268827E-12	2					
-0.30168840E+05	0.39072212E+02	0.37372386E+00	0.96465625E-01	-0.71638300E-04	3					

0.22481633E-07-0.20105247E-12-0.32600398E+05	0.35398567E+02	4
Cc7oDqA 11/20/07 c 7h 13o 3 OG	300.000 5000.000 1000.000	31
0.22500701E+01 0.66855945E-01-0.25741401E-04	0.44836419E-08-0.29378743E-12	2
-0.27642279E+05 0.36678741E+02 0.91601241E+00	0.10089627E+00-0.87142857E-04	3
0.38440337E-07-0.56138618E-11-0.30286393E+05	0.32565609E+02	4
c7oDqAqjC 11/20/07 c 7h 13o 5 OG	300.000 5000.000 1000.000	31
0.43207245E+01 0.71781620E-01-0.27947865E-04	0.49087507E-08-0.32366696E-12	2
-0.42470047E+05 0.31751045E+02 0.37356594E+00	0.11434632E+00-0.92532769E-04	3
0.31995832E-07-0.15080582E-11-0.44811824E+05	0.40011875E+02	4
nc6h13coc3h6-1 17/9/09 c 10h 19o 1 Og	300.000 5000.000 1000.000	51
0.47539911E+01 0.82678452E-01-0.31171461E-04	0.53491589E-08-0.34681809E-12	2
-0.22707973E+05 0.22577545E+02-0.19475780E+01	0.12979481E+00-0.10458541E-03	3
0.44722682E-07-0.67872613E-11-0.23648559E+05	0.46946564E+02	4
nc6h13coc3h6o2-1 17/9/09c 10h 19o 3 Og	300.000 5000.000 1000.000	1
0.66463242E+01 0.87344401E-01-0.33151500E-04	0.57189773E-08-0.37233961E-12	2
-0.40306828E+05 0.17811478E+02-0.48735911E+00	0.13350372E+00-0.96030701E-04	3
0.29868836E-07-0.74278642E-12-0.41256441E+05	0.44412155E+02	4
nhxcoc3h6o2h-1 17/9/09c 10h 20o 3 Og	300.000 5000.000 1000.000	1
0.43741097E+01 0.94577119E-01-0.37329104E-04	0.66182353E-08-0.43920499E-12	2
-0.57274234E+05 0.31710251E+02 0.10726475E+01	0.12802187E+00-0.81475468E-04	3
0.16405615E-07 0.36697308E-11-0.59248320E+05	0.38854687E+02	4
nc6h13coc3h6o-1 17/9/09c 10h 19o 2 Og	300.000 5000.000 1000.000	1
0.41304026E+01 0.87454513E-01-0.33331202E-04	0.57635172E-08-0.37568635E-12	2
-0.39409605E+05 0.27967888E+02-0.18962446E+01	0.12951648E+00-0.92278307E-04	3
0.29356379E-07-0.11377110E-11-0.40510719E+05	0.49336288E+02	4
nc6h13coch2 4/9/09 therc 8h 15o 1 Og	300.000 5000.000 1000.000	51
0.13095879E+02 0.51530220E-01-0.17955674E-04	0.29158329E-08-0.18195706E-12	2
-0.22079352E+05-0.31360634E+02-0.10810651E+01	0.99344060E-01-0.73200848E-04	3
0.28423893E-07-0.41095551E-11-0.18985766E+05	0.38858177E+02	4
nc6h13coch2o2 4/9/9 therc 8h 15o 3 Og	300.000 5000.000 1000.000	51
0.10493491E+02 0.62341295E-01-0.22636101E-04	0.37836174E-08-0.24087587E-12	2
-0.35819863E+05-0.87785492E+01 0.10389701E+01	0.10517728E+00-0.76256765E-04	3
0.25416805E-07-0.16783787E-11-0.35030578E+05	0.33653629E+02	4
nc6h13coch2o2h 4/9/9therc 8h 16o 3 Og	300.000 5000.000 1000.000	51
0.84295816E+01 0.69077566E-01-0.26442598E-04	0.45870507E-08-0.29970747E-12	2
-0.52848141E+05 0.40251694E+01 0.22758703E+01	0.10193286E+00-0.67067893E-04	3
0.17302149E-07 0.84399615E-12-0.52987828E+05	0.29466562E+02	4
nc6h13coch2o 4/9/9 therc 8h 15o 2 Og	300.000 5000.000 1000.000	51
0.81315508E+01 0.62203679E-01-0.22721475E-04	0.38165258E-08-0.24394234E-12	2
-0.34981281E+05 0.51858521E+00-0.25794432E+00	0.10043867E+00-0.70775946E-04	3
0.23268411E-07-0.15287035E-11-0.34297145E+05	0.38100636E+02	4
nc5h11coch2 4/9/09 therc 7h 13o 1 Og	300.000 5000.000 1000.000	51
0.11565912E+02 0.44805121E-01-0.15541449E-04	0.25166160E-08-0.15678500E-12	2
-0.18766516E+05-0.25225800E+02-0.78872281E+00	0.86971402E-01-0.65039108E-04	3
0.25971573E-07-0.39489718E-11-0.16101104E+05	0.35829269E+02	4
nc5h11coch2o2 4/9/9 therc 7h 13o 3 Og	300.000 5000.000 1000.000	51
0.87965269E+01 0.55888582E-01-0.20350768E-04	0.34093846E-08-0.21744713E-12	2
-0.32439494E+05-0.17062683E+01 0.14512132E+01	0.91956720E-01-0.66013206E-04	3
0.20837234E-07-0.74675330E-12-0.32158537E+05	0.30119492E+02	4
nc5h11coch2o2h 4/9/9therc 7h 14o 3 Og	300.000 5000.000 1000.000	51
0.67901912E+01 0.62539011E-01-0.24117238E-04	0.42043031E-08-0.27558980E-12	2
-0.49493656E+05 0.10770271E+02 0.26199572E+01	0.89184307E-01-0.57956753E-04	3
0.13851823E-07 0.13762410E-11-0.50108477E+05	0.26222891E+02	4
nc5h11coch2o 4/9/9 therc 7h 13o 2 Og	300.000 5000.000 1000.000	51
0.64335599E+01 0.55745244E-01-0.20422225E-04	0.34369783E-08-0.21995626E-12	2
-0.31599939E+05 0.75994492E+01-0.17543760E+00	0.89507796E-01-0.66034008E-04	3
0.24176153E-07-0.25360191E-11-0.31389871E+05	0.35962086E+02	4
nc4h9coch2 2/22/96 thermc 6h 11o 1 Og	300.000 5000.000 1387.000	51
1.98575871e+01 2.52406370e-02-8.72522623e-06	1.36422047e-09-7.95374883e-14	2
-2.20531958e+04-7.71140999e+01 6.57240675e-01	6.91820222e-02-4.79956182e-05	3
1.78114857e-08-2.80456388e-12-1.51806661e+04	2.65180216e+01	4



nc4h9coch2o2	23/01/09	c	6h	11o	3	0g	300.000	5000.000	1000.000	1
0.70765643E+01 0.49467422E-01-0.18069997E-04 0.30336027E-08-0.19373747E-12										
-0.29049797E+05 0.54964981E+01 0.16800222E+01 0.80003649E-01-0.58798578E-04										
0.19261471E-07-0.87040070E-12-0.29266809E+05 0.27362431E+02										
nc4h9coch2o2h	23/01/09	c	6h	12o	3	0g	300.000	5000.000	1000.000	1
0.49432955E+01 0.56368947E-01-0.21999969E-04 0.38688066E-08-0.25522168E-12										
-0.46057641E+05 0.18669518E+02 0.29456627E+01 0.76562606E-01-0.49144201E-04										
0.10688752E-07 0.18118817E-11-0.47227172E+05 0.23057047E+02										
nc4h9coch2o	23/01/09	c	6h	11o	2	0g	300.000	5000.000	1000.000	1
0.47593827E+01 0.49248084E-01-0.18102966E-04 0.30531948E-08-0.19565201E-12										
-0.28229197E+05 0.14544067E+02 0.20381446E+00 0.76519638E-01-0.56354638E-04										
0.20162277E-07-0.18044660E-11-0.28514357E+05 0.32566277E+02										
nc5h11coc3h6-1	14/4/9	c	9h	17o	1	0g	300.000	5000.000	1000.000	1
0.30363081E+01 0.76269872E-01-0.28914286E-04 0.49814086E-08-0.32388518E-12										
-0.19320652E+05 0.29761848E+02-0.17976100E+01 0.11840548E+00-0.98765966E-04										
0.44578751E-07-0.74306030E-11-0.20748639E+05 0.44521168E+02										
nc5h11coc3h6o2-1	14/4/9	c	9h	17o	3	0g	300.000	5000.000	1000.000	1
0.46585231E+01 0.81381120E-01-0.31097577E-04 0.53877969E-08-0.35171069E-12										
-0.36813500E+05 0.26506081E+02-0.19009900E+00 0.12104988E+00-0.87539272E-04										
0.26935908E-07-0.35511096E-12-0.38371707E+05 0.41369411E+02										
npecoc3h6o2h-1	4/9	c	9h	18o	3	0g	300.000	5000.000	1000.000	1
0.23627059E+01 0.88693760E-01-0.35346722E-04 0.63068311E-08-0.42028739E-12										
-0.53776957E+05 0.40521729E+02 0.75899494E+00 0.11979280E+00-0.83101346E-04										
0.23541356E-07 0.50399875E-12-0.56298043E+05 0.38402130E+02										
nc5h11coc3h6o-1	14/4/9	c	9h	17o	2	0g	300.000	5000.000	1000.000	1
0.26204574E+01 0.80708377E-01-0.30922896E-04 0.53689337E-08-0.35107453E-12										
-0.36105652E+05 0.33986694E+02-0.14023944E+01 0.11575917E+00-0.80825128E-04										
0.23654700E-07 0.16010857E-12-0.37647797E+05 0.45452847E+02										
ch3coc5h9-1	14/4/9	c	7h	12o	1	0g	300.000	5000.000	1000.000	1
0.10120316E+02 0.44608474E-01-0.16482942E-04 0.27900673E-08-0.17923937E-12										
-0.26480787E+05-0.17542809E+02 0.54319590E+00 0.73347867E-01-0.42336505E-04										
0.78475813E-08 0.14173481E-11-0.24239203E+05 0.30715996E+02										
c2h5coc5h9-1	14/4/9	c	8h	14o	1	0g	300.000	5000.000	1000.000	1
-0.98768568E+00 0.72651155E-01-0.29619196E-04 0.53722680E-08-0.36230735E-12										
-0.24828543E+05 0.47204861E+02-0.21534809E+00 0.90278000E-01-0.58871810E-04										
0.14389625E-07 0.13839852E-11-0.27267029E+05 0.35426846E+02										
ch2coc5h9-1	14/4/9	c	7h	11o	1	0g	300.000	5000.000	1000.000	1
0.12798200E+02 0.37607454E-01-0.12782762E-04 0.20395223E-08-0.12571717E-12										
-0.39647793E+04-0.31809212E+02-0.24265784E+00 0.79362623E-01-0.59240945E-04										
0.22834366E-07-0.31979820E-11-0.89970154E+03 0.33584213E+02										
ch3coc5h8-15	14/4/9	c	7h	11o	1	0g	300.000	5000.000	1000.000	1
0.12543714E+02 0.37481714E-01-0.12652797E-04 0.20086135E-08-0.12335819E-12										
-0.68200312E+04-0.30952133E+02-0.17468783E+00 0.81123672E-01-0.67191577E-04										
0.32027643E-07-0.65410125E-11-0.39642434E+04 0.32128975E+02										
ch3coc5h8-13	14/4/9	c	7h	11o	1	0g	300.000	5000.000	1000.000	1
0.11685796E+02 0.38428675E-01-0.13045591E-04 0.20811772E-08-0.12835632E-12										
-0.10966742E+05-0.25643135E+02 0.84971964E+00 0.72163954E-01-0.48868886E-04										
0.16963947E-07-0.20996117E-11-0.83836494E+04 0.28918091E+02										
sc2h4coc5h9-1	14/4/9	c	8h	13o	1	0g	300.000	5000.000	1000.000	1
0.18777597E+01 0.64403608E-01-0.24834610E-04 0.43300354E-08-0.28390869E-12										
-0.53298887E+04 0.31646553E+02 0.23790632E+00 0.89733906E-01-0.64872816E-04										
0.21083968E-07-0.74077452E-12-0.71062251E+04 0.32192642E+02										
c2h5coc5h8-15	14/4/9	c	8h	13o	1	0g	300.000	5000.000	1000.000	1
0.21399291E+01 0.63860677E-01-0.24555016E-04 0.42739168E-08-0.27995423E-12										
-0.53771641E+04 0.30068565E+02-0.81942040E+00 0.97296253E-01-0.81950042E-04										
0.36826346E-07-0.59657218E-11-0.70048813E+04 0.36343597E+02										
c2h5coc5h8-13	14/4/9	c	8h	13o	1	0g	300.000	5000.000	1000.000	1
0.13281809E+01 0.64736195E-01-0.24912279E-04 0.43385882E-08-0.28430470E-12										
-0.95447500E+04 0.35133892E+02 0.23215331E+00 0.88131994E-01-0.63118801E-04										
0.21245411E-07-0.13391435E-11-0.11426853E+05 0.33040543E+02										
Ac8oB	11/20/07	c	8h	15o	1	0G	300.000	5000.000	1000.000	31

0.13019993E+02	0.51662784E-01-0.18029459E-04	0.29325748E-08-0.18329408E-12	2
-0.22049264E+05	-0.30937851E+02-0.97592682E+00	0.98611005E-01-0.71430644E-04	3
0.26647946E-07	-0.34779946E-11-0.18996963E+05	0.38413456E+02	4
c8oBqjA	11/20/07 c 8h 15o 3 OG	300.000 5000.000 1000.000	31
0.10417098E+02	0.62473711E-01-0.22708580E-04	0.37997863E-08-0.24214796E-12	2
-0.35789539E+05	-0.83526840E+01 0.11709684E+01	0.10424709E+00-0.73988187E-04	3
0.23121460E-07	-0.85625718E-12-0.35044488E+05	0.33096714E+02	4
Cc8oBqA	11/20/07 c 8h 15o 3 OG	300.000 5000.000 1000.000	31
0.11084456E+02	0.61377130E-01-0.22174727E-04	0.36936287E-08-0.23458611E-12	2
-0.33251016E+05	-0.10556702E+02 0.18107433E+01	0.10800309E+00-0.87867294E-04	3
0.37450988E-07	-0.56901623E-11-0.32740979E+05	0.29835604E+02	4
c8oBqAqjC	11/20/07 c 8h 15o 5 OG	300.000 5000.000 1000.000	31
0.13064142E+02	0.66384465E-01-0.24349276E-04	0.40987422E-08-0.26220681E-12	2
-0.48035355E+05	-0.14242722E+02 0.14106435E+01	0.12043736E+00-0.90743888E-04	3
0.28416514E-07	-0.63705990E-12-0.47281242E+05	0.37389004E+02	4
nc5h11coc2h4p	2/22/96trmc 8h 15o 1 Og	300.000 5000.000 1000.000	51
0.12178297E+01	0.70042849E-01-0.26764796E-04	0.46391961E-08-0.30304920E-12	2
-0.15893626E+05	0.37505653E+02-0.15102980E+01	0.10605914E+00-0.90638830E-04	3
0.42124377E-07	-0.72543109E-11-0.17863342E+05	0.41514374E+02	4
nc5h11coc2h4o2	23/01/09 c 8h 15o 3 Og	300.000 5000.000 1000.000	1
0.31401424E+01	0.74644431E-01-0.28685547E-04	0.49904623E-08-0.32675677E-12	2
-0.33505961E+05	0.32574547E+02 0.85516218E-02	0.10934611E+00-0.81028949E-04	3
0.26172604E-07	-0.80501193E-12-0.35477293E+05	0.38735687E+02	4
nc5h11coc2h4o2h	23/01/09c 8h 16o 3 Og	300.000 5000.000 1000.000	1
0.83614087E+00	0.82002275E-01-0.32981116E-04	0.59228502E-08-0.39650764E-12	2
-0.50471973E+05	0.46620178E+02 0.12480025E+01	0.10608212E+00-0.71789218E-04	3
0.18004227E-07	0.17371031E-11-0.53434789E+05	0.34538818E+02	4
nc5h11coc2h4o	23/01/09 c 8h 15o 2 Og	300.000 5000.000 1000.000	1
0.67451662E+00	0.74695259E-01-0.28871642E-04	0.50442526E-08-0.33131879E-12	2
-0.32629000E+05	0.42443588E+02-0.15000561E+01	0.10605342E+00-0.78962214E-04	3
0.27370671E-07	-0.18180812E-11-0.34720902E+05	0.44081673E+02	4
c5h11coc2h4qj	11/16/07 c 8h 15o 3 OG	300.000 5000.000 1000.000	31
0.31401424E+01	0.74644431E-01-0.28685547E-04	0.49904623E-08-0.32675677E-12	2
-0.33505961E+05	0.32574547E+02 0.85516218E-02	0.10934611E+00-0.81028949E-04	3
0.26172604E-07	-0.80501193E-12-0.35477293E+05	0.38735687E+02	4
c4h9chcoc2h4q	11/16/07 c 8h 15o 3 OG	300.000 5000.000 1000.000	31
0.38267305E+01	0.73495127E-01-0.28109305E-04	0.48731437E-08-0.31825505E-12	2
-0.30971662E+05	0.30290199E+02 0.56283855E+00	0.11368886E+00-0.96303324E-04	3
0.41882405E-07	-0.61236233E-11-0.33164543E+05	0.35854561E+02	4
c4h9chqjcoc2h4q	11/2007 c 8h 15o 5 OG	300.000 5000.000 1000.000	31
0.58159952E+01	0.78545384E-01-0.30356010E-04	0.53015694E-08-0.34804562E-12	2
-0.45768270E+05	0.26507950E+02 0.12432060E+00	0.12639786E+00-0.99864548E-04	3
0.33559555E-07	-0.13331153E-11-0.47700805E+05	0.43553360E+02	4
nc9h19coch2	17/9/09thergc 11h 21o 1 Og	300.000 5000.000 1000.000	51
0.18098814E+02	0.71042903E-01-0.24898556E-04	0.40584318E-08-0.25384355E-12	2
-0.32186500E+05	-0.52088440E+02-0.15774717E+01	0.13384618E+00-0.91470174E-04	3
0.29663282E-07	-0.24623829E-11-0.27680816E+05	0.46330254E+02	4
nc9h19coch2o2	17/9/9therc 11h 21o 3 Og	300.000 5000.000 1000.000	51
0.15234638E+02	0.82281135E-01-0.29775734E-04	0.49626179E-08-0.31515917E-12	2
-0.45822180E+05	-0.28041733E+02 0.46610308E+00	0.14017256E+00-0.95620795E-04	3
0.27653023E-07	-0.34870991E-12-0.43716898E+05	0.41451729E+02	4
nc9h19coch2o2h	9/09 therc 11h 22o 3 Og	300.000 5000.000 1000.000	51
0.13061464E+02	0.89183122E-01-0.33661883E-04	0.57831793E-08-0.37536884E-12	2
-0.62801379E+05	-0.14617874E+02 0.16218126E+01	0.13749172E+00-0.87786095E-04	3
0.20890109E-07	0.16952121E-11-0.61665469E+05	0.37604671E+02	4
nc9h19coch2o	17/9/9thergc 11h 21o 2 Og	300.000 5000.000 1000.000	51
0.12841184E+02	0.82199603E-01-0.29892912E-04	0.50028754E-08-0.31882231E-12	2
-0.44970578E+05	-0.18566879E+02-0.12325810E+01	0.13823795E+00-0.96912234E-04	3
0.32293666E-07	-0.26096673E-11-0.42940738E+05	0.47598335E+02	4
nc7h15coch2	4/9/09 thergc 9h 17o 1 Og	300.000 5000.000 1000.000	51
0.14872713E+02	0.57854902E-01-0.20183796E-04	0.32797880E-08-0.20472697E-12	2

-0.25492543E+05-0.38880722E+02-0.11182301E+01	0.10997973E+00-0.77266712E-04	3
0.26868804E-07-0.28816641E-11-0.21898242E+05	0.40803650E+02	4
nc7h15coch2o2 4/9/9 therec 9h 17o 3 0g	300.000 5000.000 1000.000	51
0.11961084E+02 0.69180779E-01-0.25117040E-04	0.41982711E-08-0.26728679E-12	2
-0.39109066E+05-0.14569466E+02 0.84187615E+00	0.11688019E+00-0.82786908E-04	3
0.26218911E-07-0.12479049E-11-0.37925309E+05	0.36279770E+02	4
nc7h15coch2o2h 4/9/9therec 9h 18o 3 0g	300.000 5000.000 1000.000	51
0.99080772E+01 0.75885788E-01-0.28897963E-04	0.49948157E-08-0.32552468E-12	2
-0.56139234E+05-0.18210754E+01 0.19086102E+01	0.11480793E+00-0.76394666E-04	3
0.20878485E-07 0.29800926E-12-0.55864230E+05	0.32813053E+02	4
nc7h15coch2o 4/9/9 theregc 9h 17o 2 0g	300.000 5000.000 1000.000	51
0.94459352E+01 0.69287643E-01-0.25307027E-04	0.42486463E-08-0.27136274E-12	2
-0.38208930E+05-0.44115295E+01-0.47909895E+00	0.11228338E+00-0.77577526E-04	3
0.24266638E-07-0.11403404E-11-0.37188969E+05	0.40832279E+02	4
Ac9oB 11/20/07 c 9h 17o 1 0G	300.000 5000.000 1000.000	31
0.14738609E+02 0.58089465E-01-0.20316151E-04	0.33101295E-08-0.20716565E-12	2
-0.25438445E+05-0.38131523E+02-0.12738410E+01	0.11104447E+00-0.79788413E-04	3
0.29351588E-07-0.37491100E-11-0.21881383E+05	0.41464699E+02	4
c9oBqjA 11/20/07 c 9h 17o 3 0G	300.000 5000.000 1000.000	31
0.12087893E+02 0.68973690E-01-0.25023159E-04	0.41812034E-08-0.26618180E-12	2
-0.39159586E+05-0.15280083E+02 0.91406304E+00	0.11639324E+00-0.81656057E-04	3
0.25133611E-07-0.88013331E-12-0.37933207E+05	0.35972260E+02	4
Cc9oBqA 11/20/07 c 9h 17o 3 0G	300.000 5000.000 1000.000	31
0.12727651E+02 0.67927808E-01-0.24519870E-04	0.40823926E-08-0.25922892E-12	2
-0.36609871E+05-0.17315048E+02 0.13838489E+01	0.12133180E+00-0.98374840E-04	3
0.42293763E-07-0.67141245E-11-0.35611609E+05	0.33445251E+02	4
c9oBqAqjC 11/20/07 c 9h 17o 5 0G	300.000 5000.000 1000.000	31
0.14547517E+02 0.73209301E-01-0.26841650E-04	0.45198649E-08-0.28937009E-12	2
-0.51330242E+05-0.20123779E+02 0.10209330E+01	0.13348329E+00-0.10052321E-03	3
0.32489805E-07-0.13752807E-11-0.50155434E+05	0.40829502E+02	4
nc6h13coc2h4p 2/22/96trmc 9h 17o 1 0g	300.000 5000.000 1000.000	51
0.30363081E+01 0.76269872E-01-0.28914286E-04	0.49814086E-08-0.32388518E-12	2
-0.19320652E+05 0.29761848E+02-0.17976100E+01	0.11840548E+00-0.98765966E-04	3
0.44578751E-07-0.74306030E-11-0.20748639E+05	0.44521168E+02	4
nc6h13coc2h4o2 23/01/09 c 9h 17o 3 0g	300.000 5000.000 1000.000	1
0.46585231E+01 0.81381120E-01-0.31097577E-04	0.53877969E-08-0.35171069E-12	2
-0.36813531E+05 0.26506470E+02-0.17503056E+00	0.12094752E+00-0.87298089E-04	3
0.26699155E-07-0.27251172E-12-0.38373355E+05	0.41305740E+02	4
nc6h13coc2h4o2h 23/01/09c 9h 18o 3 0g	300.000 5000.000 1000.000	1
0.23627059E+01 0.88693760E-01-0.35346722E-04	0.63068311E-08-0.42028739E-12	2
-0.53776957E+05 0.40521729E+02 0.75899494E+00	0.11979280E+00-0.83101346E-04	3
0.23541356E-07 0.50399875E-12-0.56298043E+05	0.38402130E+02	4
nc6h13coc2h4o 23/01/09 c 9h 17o 2 0g	300.000 5000.000 1000.000	1
0.26204574E+01 0.80708377E-01-0.30922896E-04	0.53689337E-08-0.35107453E-12	2
-0.36105680E+05 0.33987350E+02-0.13873260E+01	0.11565682E+00-0.80583937E-04	3
0.23417947E-07 0.24270795E-12-0.37649445E+05	0.45389435E+02	4
Ac9oC 11/20/07 c 9h 17o 1 0G	300.000 5000.000 1000.000	31
0.30363081E+01 0.76269872E-01-0.28914286E-04	0.49814086E-08-0.32388518E-12	2
-0.19320652E+05 0.29761848E+02-0.17976100E+01	0.11840548E+00-0.98765966E-04	3
0.44578751E-07-0.74306030E-11-0.20748639E+05	0.44521168E+02	4
c9oCqjA 11/20/07 c 9h 17o 3 0G	300.000 5000.000 1000.000	31
0.49838252E+01 0.80834121E-01-0.30827301E-04	0.53338138E-08-0.34787592E-12	2
-0.36942191E+05 0.24689209E+02-0.32536486E+00	0.12201972E+00-0.89956608E-04	3
0.29444356E-07-0.12779821E-11-0.38357648E+05	0.41938526E+02	4
Dc9oCqA 11/20/07 c 9h 17o 3 0G	300.000 5000.000 1000.000	31
0.56185641E+01 0.79779498E-01-0.30308083E-04	0.52301115E-08-0.34049385E-12	2
-0.34387438E+05 0.22706779E+02 0.28413254E+00	0.12600292E+00-0.10440873E-03	3
0.44366459E-07-0.63273766E-11-0.36051215E+05	0.38833908E+02	4
c9oCqAqjD 11/20/07 c 9h 17o 5 0G	300.000 5000.000 1000.000	31
0.76531258E+01 0.84739745E-01-0.32496264E-04	0.56439200E-08-0.36904838E-12	2
-0.49201160E+05 0.18660461E+02 0.14553051E+00	0.13661097E+00-0.10288928E-03	3

0.30947380E-07	0.27332908E-12-0.50619184E+05	0.45251297E+02		4
cyc6h9	c 6h 90 00 0G	300.00 5000.00 1000.00		1
0.12514480E+02	0.28764870E-01-0.11130330E-04	0.20307830E-08-0.13993690E-12		2
0.82247910E+04	-0.45839370E+02-0.68708450E+01	0.78867980E-01-0.50349830E-04		3
0.47105440E-08	0.56820080E-11 0.13797400E+05	0.55227590E+02		4
chxelrD	2/ 4/ 8 ThERMc 6h 9 0 0G	300.000 5000.000 1384.000		01
1.54096184E+01	2.30452029E-02-7.87854402E-06	1.22358981E-09-7.10322953E-14		2
1.42048918E+04	-6.03452396E+01-5.12928429E+00	6.68717332E-02-4.14486927E-05		3
1.18734846E-08	-1.17420420E-12 2.16733689E+04	5.13032669E+01		4
chd13	c 6h 80 00 0G	300.00 5000.00 1000.00		1
0.13878210E+02	0.23487490E-01-0.87836690E-05	0.15790270E-08-0.10798250E-12		2
0.63443000E+04	-0.53115280E+02-0.51575390E+01	0.86214640E-01-0.90637690E-04		3
0.51635260E-07	-0.12001610E-10 0.11165820E+05	0.42866860E+02		4
chd14	2/ 4/ 8 ThERMc 6h 8 0 0G	300.000 5000.000 1394.000		01
1.50866863E+01	2.11483961E-02-7.29888357E-06	1.14020521E-09-6.64432988E-14		2
5.02632710E+03	-6.12881276E+01-5.34206341E+00	6.96903834E-02-5.16349220E-05		3
1.96729153E-08	-3.05521699E-12 1.20241900E+04	4.81120926E+01		4
c6h7c	c 6h 70 00 0G	300.00 5000.00 1000.00		1
0.14208190E+02	0.21154810E-01-0.79957600E-05	0.14457800E-08-0.99207360E-13		2
0.21922070E+05	-0.54276400E+02-0.59255600E+01	0.91190910E-01-0.10607460E-03		3
0.66699450E-07	-0.17176370E-10 0.26832750E+05	0.46324050E+02		4
cyc6h9o	5/ 2/ 6 thermc 6h 9o 10 0G	300.00 5000.00 1390.00		1
1.98614061e+01	2.13541604e-02-7.29767436e-06	1.13391847e-09-6.58739166e-14		2
-4.24104162e+03	-8.48415976e+01-7.09798187e+00	8.77373883e-02-7.00192618e-05		3
2.81332888e-08	-4.52307929e-12 4.68010482e+03	5.85742784e+01		4
chxelqjC	2/14/ 8 c 6h 9o 2 0G	300.000 5000.000 1391.000		11
2.02412664E+01	2.44062656E-02-8.51546588E-06	1.33981860E-09-7.84607687E-14		2
-4.53664908E+03	-8.30588709E+01-4.97843310E+00	8.69061420E-02-6.94485100E-05		3
2.90255660E-08	-4.97545531E-12 3.93256700E+03	5.12327992E+01		4
EchxelqC	2/14/ 8 c 6h 9o 2 0G	300.000 5000.000 1390.000		21
2.16845782E+01	2.28146290E-02-7.98229630E-06	1.25847456E-09-7.38076566E-14		2
6.13352517E+01	-8.91559019E+01-4.80330040E+00	8.66707174E-02-6.73561472E-05		3
2.65915059E-08	-4.25031714E-12 9.03532731E+03	5.23560329E+01		4
chxelqCqjE	2/14/ 8 ThERMc 6h 9o 4 0G	300.000 5000.000 1391.000		31
2.67841111E+01	2.34126599E-02-8.24642631E-06	1.30578725E-09-7.68105344E-14		2
-1.92745948E+04	-1.13028494E+02-4.42240987E+00	1.04767020E-01-9.17912999E-05		3
4.10628702E-08	-7.37183362E-12-9.23280445E+03	5.16582128E+01		4
chxelocQe	2/14/ 8 ThERMc 6h 8o 3 0G	300.000 5000.000 1390.000		21
2.27312045E+01	2.20048170E-02-7.71926411E-06	1.21901851E-09-7.15719251E-14		2
-3.77408819E+04	-9.25306974E+01-2.27954483E+00	8.31245980E-02-6.59297316E-05		3
2.68882416E-08	-4.46880424E-12-2.93028488E+04	4.08757757E+01		4
chxelocQjE	2/14/ 8 ThERMc 6h 7o 2 0G	300.000 5000.000 1393.000		01
1.88234574E+01	2.03160856E-02-6.97030001E-06	1.08492406E-09-6.30731182E-14		2
-1.77384207E+04	-7.32948987E+01-3.34589245E+00	7.48640599E-02-5.87692067E-05		3
2.36186159E-08	-3.83766925E-12-1.03608202E+04	4.47149945E+01		4
Fc6e3oAoE	2/14/ 8 ThERMc 6h 7o 2 0G	300.000 5000.000 1391.000		31
2.03602595E+01	1.83062673E-02-6.39872038E-06	1.00804454E-09-5.90855319E-14		2
-1.88022042E+04	-7.45885509E+01 1.36426217E-01	6.83827541E-02-5.49313391E-05		3
2.28341312E-08	-3.87096366E-12-1.20341312E+04	3.30697382E+01		4
Dc6e5oAoC	2/14/ 8 ThERMc 6h 7o 2 0G	300.000 5000.000 1393.000		31
2.02349508E+01	1.83345274E-02-6.39116571E-06	1.00506355E-09-5.88390878E-14		2
-1.49055865E+04	-7.32371055E+01-8.32090796E-01	7.14015849E-02-5.86661793E-05		3
2.48257388E-08	-4.25681473E-12-7.96504791E+03	3.85567398E+01		4
Fc6e5oA	c 6h 9o 10 0G	300.00 5000.00 1000.00		1
0.97264261E+01	0.32164462E-01-0.10807038E-04	0.17105696E-08-0.10487566E-12		2
0.10069441E+05	-0.15002022E+02 0.78861153E+00	0.65266170E-01-0.52872289E-04		3
0.23924105E-07	-0.44274398E-11 0.11789281E+05	0.28345263E+02		4
Fc6e2oA	5/10/ 6 thermc 6h 9o 1 0G	300.000 5000.000 1393.000		41
1.92420866e+01	2.09983928e-02-7.24163118e-06	1.13057295e-09-6.58504427e-14		2
-3.53780234e+03	-7.12245223e+01-2.92322799e-01	6.90415413e-02-5.35435655e-05		3

2.18712016e-08-3.67928326e-12 3.04642201e+03 3.29022640e+01	4
Fc6h9-13 2/14/ 8 ThERMc 6h 9 0 OG 300.000 5000.000 1398.000	21
1.66526333E+01 2.07313239E-02-6.98155215E-06 1.07262447E-09-6.17783332E-14	2
2.34571371E+04-5.94027644E+01-1.95074776E+00 6.99993459E-02-5.83590460E-05	3
2.58219203E-08-4.63869054E-12 2.93664141E+04 3.84973850E+01	4
hex135 11/ 5/ 3 thermc 6h 8 0 OG 300.000 5000.000 1398.000	21
1.71119166e+01 1.84563339e-02-6.33854713e-06 9.86634342e-10-5.73412967e-14	2
1.19848783e+04-6.72177638e+01-3.07637680e+00 7.60206382e-02-7.12770299e-05	3
3.45856886e-08-6.64734786e-12 1.80525340e+04 3.76776224e+01	4
ac3h4hco1 4/24/ 6 thermc 4h 5o 1 Og 300.000 5000.000 1385.000	21
1.31411233e+01 1.20974544e-02-4.25024176e-06 6.71876889e-10-3.94756754e-14	2
1.44875725e+04-4.25915316e+01 5.84137389e-01 4.10586368e-02-2.99210110e-05	3
1.11323029e-08-1.69792013e-12 1.89033496e+04 2.50108321e+01	4
sc3h5co 11/15/95 thermc 4h 5o 1 OG 300.000 5000.000 1392.000	21
1.25514754e+01 1.22521948e-02-4.22382101e-06 6.59184896e-10-3.83818826e-14	2
-4.25349795e+03-4.02864145e+01 1.74191343e+00 3.97229536e-02-3.20061901e-05	3
1.38227925e-08-2.46272017e-12-6.64428100e+02 1.70762023e+01	4
Ac6h9-15 1/16/ 8 ThERMc 6h 9 0 OG 300.000 5000.000 1395.000	31
1.66031467E+01 2.06005407E-02-6.99190236E-06 1.08000014E-09-6.24404452E-14	2
3.18542406E+04-5.87443028E+01-7.86658540E-01 6.32244667E-02-4.77129797E-05	3
1.90751051E-08-3.14602136E-12 3.77090895E+04 3.39665164E+01	4
CPD c 5h 6 0 OG 200.000 6000.00 1000.00	1
0.99757848E+01 0.18905543E-01-0.68411461E-05 0.11099340E-08-0.66680236E-13	2
0.11081693E+05-0.32209454E+02 0.86108957E+00 0.14804031E-01 0.72108895E-04	3
-0.11338055E-06 0.48689972E-10 0.14801755E+05 0.21353453E+02	4
c5h5 c 5h 5 0 OG 200.000 6000.00 1000.00	1
0.10844072E+02 0.15392831E-01-0.55630422E-05 0.90189440E-09-0.54156619E-13	2
0.26950886E+05-0.35254983E+02-0.95902849E+00 0.31396777E-01 0.26724050E-04	3
-0.68942183E-07 0.33301983E-10 0.30779441E+05 0.29072780E+02	4
c5h4oh c 5h 5o 10 OG 200.000 6000.000 1000.00	1
0.12464140E+02 0.16962420E-01-0.67059790E-05 0.12379980E-08-0.85931980E-13	2
0.58349600E+03-0.41246490E+02-0.44756070E+01 0.70380500E-01-0.70966800E-04	3
0.35607160E-07-0.66726040E-11 0.49595350E+04 0.44671790E+02	4
c5h5o Burcat D 9/97c 5h 5o 1 OG 300.000 3000.000 1000.	1
0.85405312E+01 0.22989510E-01-0.95437563E-05 0.17061612E-08-0.97459360E-13	2
0.22263699E+05-0.20818825E+02-0.30777600E+01 0.52581679E-01-0.28856513E-04	3
-0.33885479E-08 0.63361399E-11 0.25510455E+05 0.39591522E+02 0.26570048E+05	4
c5h4o CY CPD-ONE T 8/99c 5h 4o 1 OG 200.000 6000.000 1000.	1
1.00806824E+01 1.61143465E-02-5.83314509E-06 9.46759320E-10-5.68972206E-14	2
1.94364771E+03-2.94521623E+01 2.64576497E-01 3.34873827E-02 1.67738470E-06	3
-2.96207455E-08 1.54431476E-11 5.11159287E+03 2.35409513E+01 6.64245999E+03	4
cyc5h7 c 5h 70 00 OG 300.00 5000.00 1000.00	1
0.10970790E+02 0.20687750E-01-0.79109650E-05 0.14348090E-08-0.98536910E-13	2
0.20980600E+05-0.45658640E+02-0.13758240E+01 0.50951500E-01-0.27917360E-04	3
-0.20433550E-08 0.54688850E-11 0.24620190E+05 0.19135720E+02	4
cyc5h8 c 5h 80 00 OG 200.000 5000.000 1000.00	1
0.77244792E+01 0.28322316E-01-0.11545236E-04 0.21540815E-08-0.15054178E-12	2
-0.78261573E+03-0.19769698E+02 0.26898140E+01 0.20954550E-02 0.11303687E-03	3
-0.15408070E-06 0.62763658E-10 0.23139663E+04 0.15294056E+02 0.39328836E+04	4
hex1245 c 6h 6n 00 OG 300.00 5000.00 1000.00	1
0.13680730E+02 0.17633680E-01-0.64842380E-05 0.11584110E-08-0.79005510E-13	2
0.41745620E+05-0.45718590E+02-0.23343600E+01 0.75090900E-01-0.90310510E-04	3
0.59606520E-07-0.16142980E-10 0.45574960E+05 0.33898930E+02	4
c6h615 c 6h 60 00 OG 300.00 5000.00 1000.00	1
0.11846640E+02 0.18049090E-01-0.54846110E-05 0.91594140E-09-0.60502440E-13	2
0.44855800E+05-0.33325490E+02-0.36401770E-01 0.63911870E-01-0.78346460E-04	3
0.56228300E-07-0.16490750E-10 0.47552700E+05 0.24997930E+02	4
mc6h6 c 6h 60 00 OG 300.00 5000.00 1000.00	1
0.15515180E+02 0.16867690E-01-0.63937470E-05 0.11632720E-08-0.80233420E-13	2
0.33817290E+05-0.60215590E+02-0.14330940E+02 0.14341690E+00-0.22435460E-03	3

0.17716070E-06-0.54820030E-10 0.39991000E+05 0.83404450E+02	4
fulvene c 6h 60 00 0G 300.00 5000.00 1000.00	1
0.15787670E+02 0.16826830E-01-0.66372550E-05 0.12271550E-08-0.85353240E-13	2
0.20113410E+05-0.61938640E+02-0.12269980E+02 0.12863210E+00-0.18798700E-03	3
0.14034520E-06-0.41601280E-10 0.26242020E+05 0.74752650E+02	4
che24one 7/12/ 7 THERMc 6h 6o 1 0G 300.000 5000.000 1393.000	01
1.85598210E+01 1.60420550E-02-5.62359046E-06 8.87632423E-10-5.20966489E-14	2
-1.50094842E+04-8.92286978E+01-3.30465491E+00 7.60446090E-02-7.07168412E-05	3
3.34556493E-08-6.27781956E-12-8.24470996E+03 2.51406707E+01	4
c6h6 c 6h 60 00 0G 300.00 5000.00 1000.00	1
0.12910740E+02 0.01723296E+00-0.05024210E-04 0.05893497E-08-0.01947521E-12	2
0.03664511E+05-0.05002699E+03-0.03138012E+02 0.04723103E+00-0.02962207E-04	3
-0.03262819E-06 0.01718691E-09 0.08890031E+05 0.03657573E+03	4
c6h5 c 6h 50 00 0G 300.00 5000.00 1000.00	1
0.15775887E+02 0.09651109E-01-0.09429416E-05-0.05469111E-08 0.10265216E-12	2
0.03302698E+06-0.06176280E+03 0.11435567E+00 0.03627324E+00 0.11582856E-05	3
-0.02196964E-06 0.08463556E-10 0.03836054E+06 0.02380117E+03	4
c6h5o c 6h 5o 10 0G 300.00 4000.00 1000.00	1
0.01822638E+03 0.10039851E-01-0.09915668E-05-0.05672804E-08 0.10683716E-12	2
-0.02620846E+05-0.07361390E+03 0.11074965E+01 0.03956945E+00 0.08497295E-05	3
-0.02436311E-06 0.09650659E-10 0.03159672E+05 0.01973496E+03	4
c6h5oh c 6h 6o 10 0G 300.00 4000.00 1000.00	1
0.01821632E+03 0.11424269E-01-0.10966843E-05-0.06427442E-08 0.11988930E-12	2
-0.02053664E+06-0.07304233E+03 0.13914556E+01 0.03931957E+00 0.01777096E-04	3
-0.02277673E-06 0.08309659E-10-0.14721809E+05 0.01917813E+03	4
c6h5o2 peroxy rad T03/06c 6.h 5.o 2. 0.G 200.000 6000.000 1000.	1
1.53210095E+01 1.90635836E-02-6.90890063E-06 1.12266384E-09-6.75533163E-14	2
1.01192586E+04-5.54641890E+01 6.21315217E-01 3.87686270E-02 2.99476833E-05	3
-7.77124708E-08 3.69056482E-11 1.49950465E+04 2.49794441E+01 1.70318713E+04	4
c6h4o2 c 6h 4o 2 G 300 5000 1000	1
0.11730840E+02 0.23614995E-01-0.10234576E-04 0.19532174E-08-0.12746022E-12	2
-0.21085770E+05-0.36300453E+02-0.95193005E+00 0.57842445E-01-0.38214439E-04	3
0.46312656E-08 0.36296651E-11-0.17611047E+05 0.29239513E+02	4
c6h3o2 HR BLYP-THERM c 6h 3o 2 0G 300.000 5000.000 1400.000	01
1.71770711E+01 1.17702612E-02-4.07415925E-06 6.38000145E-10-3.72505911E-14	2
6.28011094E+03-6.58310086E+01-4.54411937E-02 5.63211380E-02-4.85334628E-05	3
2.08639278E-08-3.55356225E-12 1.17545446E+04 2.50087628E+01	4
c6h3o3 HR AM1 7/99 c 6h 3o 3 0G 300.000 5000.000 1394.000	01
1.79137074E+01 1.39111341E-02-4.85997910E-06 7.65512134E-10-4.48691125E-14	2
-2.90419372E+04-6.62905654E+01 2.32755667E-01 5.78357880E-02-4.70375303E-05	3
1.93299321E-08-3.19029643E-12-2.32022530E+04 2.76743751E+01	4
c6h5o2h hydroper T03/06c 6.h 6.o 2. 0.G 200.000 6000.000 1000.	1
1.61396041E+01 2.08447848E-02-7.64070773E-06 1.24667046E-09-7.51132000E-14	2
-7.68952573E+03-5.95754960E+01 2.63159057E-01 4.23800271E-02 3.05412431E-05	3
-8.13196326E-08 3.86504418E-11-2.41155401E+03 2.73095957E+01-3.22058666E+02	4
c5h4 Alzueta c 5h 4o 0 0G 300.000 5000.000 1402.000	01
1.18628283E+01 1.08224559E-02-3.66068163E-06 5.63992229E-10-3.25439187E-14	2
5.07812124E+04-3.73761707E+01 1.37368363E+00 3.97540360E-02-3.50715495E-05	3
1.62273434E-08-3.00803585E-12 5.40010402E+04 1.74189357E+01	4
c5h3 Kee c 5h 3o 0 0G 300.000 5000.000 1402.000	01
1.18709753E+01 8.29197467E-03-2.79466175E-06 4.29640356E-10-2.47579827E-14	2
6.33234078E+04-3.64946037E+01 3.47139981E+00 3.05348313E-02-2.57689068E-05	3
1.13143742E-08-1.99768735E-12 6.59670699E+04 7.66749172E+00	4
toluen c 7h 80 00 0G 200.000 6000.00 1000.00	1
0.12940034E+02 0.26691287E-01-0.96838505E-05 0.15738629E-08-0.94663601E-13	2
-0.69764908E+03-0.46728785E+02 0.16152663E+01 0.21099438E-01 0.85366018E-04	3
-0.13261066E-06 0.55956604E-10 0.40756300E+04 0.20282210E+02	4
phch2 c 7h 70 00 0G 200.000 6000.000 1000.0	1
0.14043980E+02 0.23493873E-01-0.85375367E-05 0.13890841E-08-0.83614420E-13	2
0.18564203E+05-0.51665589E+02 0.48111540E+00 0.38512832E-01 0.32861492E-04	3
-0.76972721E-07 0.35423068E-10 0.23307027E+05 0.23548820E+02	4

phch2oh	c	7h	8o	10	OG	300.00	5000.00	1000.00	1	
0.12770360E+02	0.30202020E-01	-0.11447800E-04	0.20657750E-08	-0.14142150E-12					2	
-0.18661090E+05	-0.40750220E+02	-0.18199510E+01	0.59780950E-01	-0.15944840E-04					3	
-0.22394370E-07	0.13827140E-10	-0.14039900E+05	0.37366900E+02						4	
phch2o	c	7h	7o	10	OG	300.00	3000.00	1000.00	1	
0.11786960E+02	0.28687710E-01	-0.98102230E-05	0.15723720E-08	-0.97249460E-13					2	
0.76002110E+04	-0.37226230E+02	-0.70223900E+01	0.81629680E-01	-0.61132220E-04					3	
0.20734560E-07	-0.20847660E-11	0.12652870E+05	0.59532670E+02						4	
phhco	c	7h	6o	10	OG	300.00	5000.00	1000.00	1	
0.12477340E+02	0.26156340E-01	-0.10355870E-04	0.19086880E-08	-0.13222350E-12					2	
-0.10699560E+05	-0.39903100E+02	0.18416540E+01	0.31811100E-01	0.37371600E-04					3	
-0.71742300E-07	0.30772230E-10	-0.65685440E+04	0.20871370E+02						4	
phco	c	7h	5o	10	OG	300.00	5000.00	1000.00	1	
0.13055590E+02	0.22893250E-01	-0.91611550E-05	0.16982380E-08	-0.11804720E-12					2	
0.68496380E+04	-0.41412370E+02	0.20476370E+01	0.32981980E-01	0.27311090E-04					3	
-0.60962890E-07	0.26990060E-10	0.10899480E+05	0.20413040E+02						4	
hoc6h4ch3 avg cresol	c	7h	8o	1	OG	300.000	5000.000	1400.000	21	
1.97311724e+01	2.12245074e-02	-7.27602659e-06	1.13158989e-09	-6.57395287e-14					2	
-2.50451776e+04	-8.18783394e+01	-4.17663565e+00	8.29479164e-02	-6.92618926e-05					3	
2.97047387e-08	-5.12027914e-12	-1.73715284e+04	4.43681107e+01						4	
oc6h4ch3 avg cresol	c	7h	7o	1	OG	300.000	5000.000	1398.000	11	
2.00333477e+01	1.83142467e-02	-6.17265091e-06	9.50353551e-10	-5.48634044e-14					2	
-7.76864165e+03	-8.60606102e+01	-3.82920147e+00	7.73376217e-02	-6.15929083e-05					3	
2.43728641e-08	-3.80779615e-12	2.89377185e+01	4.06647799e+01						4	
phc2h5	c	8h	100	00	OG	300.00	3000.00	1000.00	1	
0.3878978E+01	0.5810059E-01	-0.3196380E-04	0.8448993E-08	-0.8694825E-12					2	
-0.5024922E+03	0.3823936E+01	-0.7266845E+01	0.1003089E+00	-0.9651715E-04					3	
0.5565908E-07	-0.1453370E-10	0.1987290E+04	0.5856430E+02						4	
Aphc2h4	c	8h	90	00	OG	300.0	3000.0	1000.0	1	
0.17812740E+02	0.24252330E-01	-0.73258030E-05	0.10781160E-08	-0.63032930E-13					2	
0.19489380E+05	-0.69123150E+02	-0.54440620E+01	0.90239870E-01	-0.78481590E-04					3	
0.37195140E-07	-0.77518990E-11	0.25979520E+05	0.51002700E+02						4	
Bphc2h4	c	8h	90	00	OG	300.0	3000.0	1000.0	1	
0.16311760E+02	0.26468430E-01	-0.82500720E-05	0.12379150E-08	-0.73142840E-13					2	
0.12434840E+05	-0.61654800E+02	-0.31388300E+01	0.73564250E-01	-0.45062580E-04					3	
0.99457900E-08	0.39087490E-12	0.18338590E+05	0.40996950E+02						4	
styren	c	8h	80	00	OG	300.00	5000.00	1000.00	1	
0.14571320E+02	0.28601890E-01	-0.10945920E-04	0.19866680E-08	-0.13651030E-12					2	
0.10602530E+05	-0.53346050E+02	-0.47260910E+01	0.81145100E-01	-0.58700960E-04					3	
0.14330870E-07	0.20285270E-11	0.16027630E+05	0.46634070E+02						4	
ASTYRYL	c	8h	7	0	OG	300.000	5000.000	1000.00	1	
0.16332950E+02	0.21419530E-01	-0.65453240E-05	0.96915450E-09	-0.56787960E-13					2	
0.39189790E+05	-0.61551090E+02	-0.36413490E+01	0.76848510E-01	-0.62073960E-04					3	
0.25027450E-07	-0.40434900E-11	0.44741910E+05	0.41739090E+02						4	
BSTYRYL	c	8h	7	0	OG	300.000	5000.000	1000.00	1	
0.14470230E+02	0.24105550E-01	-0.77006060E-05	0.11776170E-08	-0.70589850E-13					2	
0.34523810E+05	-0.52091260E+02	-0.18113050E+01	0.60426670E-01	-0.27360430E-04					3	
-0.41005130E-08	0.48287310E-11	0.39537740E+05	0.34420980E+02						4	
phc2h	c	8h	60	00	OG	300.00	3000.00	1000.00	1	
0.6441450E+01	0.4174141E-01	-0.2277228E-04	0.5894608E-08	-0.5895331E-12					2	
0.3527225E+05	-0.9471260E+01	0.1594150E+01	0.3139700E-01	0.6454891E-04					3	
-0.1252211E-06	0.5840699E-10	0.3716431E+05	0.1965262E+02						4	
c6h4c2h3	mar94	c	8h	7	0	OG	300.000	5000.	1394.	1
1.74540862e 01	2.22040686e-02	-9.33350484e-06	1.73528698e-09	-1.13685613e-13					2	
3.87604904e 04	-6.90454166e 01	-5.18004315e 00	8.45709724e-02	-7.57339260e-05					3	
3.38554022e-08	-6.01465106e-12	4.55621698e 04	4.89682087e 01						4	
phch2hco 10/11/ 6 THERMc		c	8h	8o	1	OG	300.000	5000.000	1392.000	21
2.07189090E+01	2.34657288E-02	-8.16859744E-06	1.28349619E-09	-7.50981560E-14					2	
-1.59748937E+04	-8.38562538E+01	-4.63817169E+00	8.37851572E-02	-6.32386011E-05					3	
2.42587771E-08	-3.76921290E-12	-7.30919223E+03	5.18907332E+01						4	
phch2co 3/13/ 7 THERMc		c	8h	7o	1	OG	300.000	5000.000	1392.000	21

2.03082558E+01	2.13259410E-02	-7.44358584E-06	1.17168778E-09	-6.86428145E-14	2						
2.98500182E+03	-7.99822433E+01	-3.86936154E+00	7.90084288E-02	-6.02144431E-05	3						
2.32059973E-08	-3.60981055E-12	1.12198943E+04	4.93727805E+01		4						
phcoch2	7/ 5/99	ThERMc	8h	7o	1	OG	300.000	5000.000	1393.000	21	
2.06377587E+01	2.09842204E-02	-7.31094395E-06	1.14935927E-09	-6.72742545E-14	2						
3.46513492E+04	-8.22574610E+01	-2.89631990E+00	7.81864943E-02	-6.10228928E-05	3						
2.43055421E-08	-3.92233529E-12	4.25768671E+04	4.33055092E+01		4						
c6h5cco		c	8h	5o	1	OG	300.000	5000.000	1391.000	1	
2.05717606e	01	1.65626187e-02	-5.73631528e-06	8.98556853e-10	-5.24719633e-14	2					
1.85523144e	04	-7.88307218e	01	2.46903285e	00	5.68111793e-02	-3.84432919e-05	3			
1.22781652e-08	-1.44841401e-12	2.49411038e	04	1.89465318e	01	4					
pbz		c	9h	120	00	OG	300.00	3000.00	1000.00	1	
0.19564560E+02	0.3371875E-01	-0.11279970E-04	0.17806490E-08	-0.10900860E-12	2						
-0.86688460E+04	-0.7905852E+02	-0.42383000E+01	0.90064150E-01	-0.53314080E-04	3						
0.98838910E-08	0.1259661E-11	-0.13268630E+04	0.46994210E+02		4						
pbzjA		c	9h	110	00	OG	300.0	3000.0	1000.0	1	
0.21741480E+02	0.26909920E-01	-0.79001150E-05	0.11369460E-08	-0.65350950E-13	2						
0.15090430E+05	-0.88689430E+02	-0.51094210E+01	0.99100460E-01	-0.81408620E-04	3						
0.36663080E-07	-0.74230540E-11	0.22938900E+05	0.51351110E+02		4						
pbzjB		c	9h	110	00	OG	300.0	3000.0	1000.0	1	
0.21129850E+02	0.27425010E-01	-0.80787270E-05	0.11662760E-08	-0.67219100E-13	2						
0.14768510E+05	-0.85102500E+02	-0.42891350E+01	0.94219390E-01	-0.73481920E-04	3						
0.30863700E-07	-0.57239250E-11	0.22298360E+05	0.47907890E+02		4						
pbzjC		c	9h	110	00	OG	300.0	3000.0	1000.0	1	
0.20351020E+02	0.28741720E-01	-0.86354620E-05	0.12621560E-08	-0.73240880E-13	2						
0.80655060E+04	-0.81773010E+02	-0.37883710E+01	0.89749920E-01	-0.64624140E-04	3						
0.24373790E-07	-0.40718430E-11	0.15385500E+05	0.45257910E+02		4						
BPHPROPY		c	9h	110	00	OG	300.0	3000.0	1000.0	1	
0.18773470E+02	0.32017490E-01	-0.10167760E-04	0.15489960E-08	-0.92642370E-13	2						
0.14424040E+05	-0.72622580E+02	-0.61953190E+01	0.10511650E+00	-0.89499430E-04	3						
0.40374020E-07	-0.77179490E-11	0.21106050E+05	0.55387230E+02		4						
phc3h5-1	9/14/ 6	THERMc	9h	10	0	OG	300.000	5000.000	1394.000	21	
2.16587276E+01	2.75881451E-02	-9.55076467E-06	1.49500893E-09	-8.72399867E-14	2						
5.19915200E+03	-9.05488599E+01	-6.24410147E+00	9.58105961E-02	-7.44144657E-05	3						
2.99733017E-08	-4.93273232E-12	1.45952864E+04	5.82460572E+01		4						
phc3h5-2	9/14/ 6	THERMc	9h	10	0	OG	300.000	5000.000	1394.000	21	
2.19853383E+01	2.70638184E-02	-9.31538265E-06	1.45259764E-09	-8.45413132E-14	2						
2.69366707E+03	-9.24338477E+01	-4.35832771E+00	9.11717963E-02	-6.97871645E-05	3						
2.77223371E-08	-4.50000291E-12	1.15805419E+04	4.81294035E+01		4						
phc3h4	9/14/ 6	THERMc	9h	9	0	OG	300.000	5000.000	1393.000	21	
2.27552458E+01	2.43969901E-02	-8.51385950E-06	1.33981649E-09	-7.84733524E-14	2						
2.07012023E+04	-9.74493675E+01	-4.95799544E+00	9.40497566E-02	-7.70155559E-05	3						
3.25278599E-08	-5.57386852E-12	2.98543817E+04	4.96805752E+01		4						
phc3h3	9/ 8/ 6	THERMc	9h	8	0	OG	300.000	5000.000	1382.000	11	
2.63873378E+01	1.98410659E-02	-7.09387681E-06	1.13452913E-09	-6.72002176E-14	2						
-3.77010981E+03	-1.05729417E+02	-2.73892818E+00	9.07206503E-02	-7.40198477E-05	3						
3.03079033E-08	-5.00421779E-12	6.05215549E+03	4.96816177E+01		4						
phc2h4hco	6/25/99	ThERMc	9h	10o	1	OG	300.000	5000.000	1389.000	31	
2.45201777E+01	2.65966062E-02	-9.06999913E-06	1.40649173E-09	-8.15706632E-14	2						
-2.06440651E+04	-1.03260879E+02	-3.51452942E+00	9.44753458E-02	-7.23466221E-05	3						
2.84149855E-08	-4.52662508E-12	-1.11972167E+04	4.63750693E+01		4						
phc2h4co	6/30/99		c	9h	9o	1	OG	300.000	5000.000	1388.000	31
2.41401504E+01	2.44085832E-02	-8.32461450E-06	1.29120181E-09	-7.49030128E-14	2						
-1.69689524E+03	-9.95597353E+01	-2.74324766E+00	8.96773901E-02	-6.92714443E-05	3						
2.73162150E-08	-4.35475868E-12	7.33171062E+03	4.38474772E+01		4						
phch2coch2	7/5/99	ThERMc	9h	9o	1	OG	300.000	5000.000	1390.000	31	
2.32712538E+01	2.57435858E-02	-8.90507867E-06	1.39337697E-09	-8.12922746E-14	2						
8.48119323E+02	-9.36335596E+01	-3.04453343E+00	8.95593266E-02	-6.90116023E-05	3						
2.75411948E-08	-4.49576293E-12	9.76432431E+03	4.68894971E+01		4						
phcoc2h4	7/ 5/99	ThERMc	9h	9o	1	OG	300.000	5000.000	1391.000	31	
2.37012877E+01	2.55632683E-02	-8.88177489E-06	1.39363094E-09	-8.14595243E-14	2						



3.05045253E+04-9.69178455E+01-2.75443373E+00	9.08941745E-02-7.20233762E-05	3
2.97163771E-08-5.01683123E-12 3.93793566E+04	4.39830037E+01	4
phc2h2hco 7/13/99 THERMc 9h 8o 1 OG	300.000 5000.000 1395.000	21
2.43396805E+01 2.29488876E-02-7.99206120E-06	1.25607828E-09-7.35059093E-14	2
-1.03809934E+04-1.04678423E+02-4.45326828E+00	9.77441883E-02-8.40254088E-05	3
3.68956893E-08-6.49941387E-12-1.14134809E+03	4.72765941E+01	4
phc2h2co 9/ 6/ 6 THERMc 9h 7o 10 OG	300.000 5000.000 1000.000	31
-0.32599351E+01 0.67205213E-01-0.29997287E-04	0.57979261E-08-0.40911016E-12	2
0.19798719E+05 0.49774338E+02-0.37034855E+01	0.74317016E-01-0.31271353E-04	3
-0.74697875E-08 0.73120138E-11 0.18883758E+05	0.48855797E+02	4
phcoc2h3 12/ 1/99 THERMc 9h 8o 1 OG	300.000 5000.000 1000.000	21
0.38366776E+02-0.49549057E-02 0.58668638E-05-0.15229780E-08	0.12626792E-12	2
-0.13674750E+05-0.17786017E+03 0.53051919E+00	0.62182847E-01-0.23326973E-04	3
-0.20477078E-08 0.72081490E-12 0.33618213E+03	0.30988880E+02	4
Bphc3h5ohA 12/11/06THERGc 9h 11o 1 OG	300.000 5000.000 1000.000	21
0.21748049E+02 0.29432187E-01-0.87478275E-05	0.12697609E-08-0.73389435E-13	2
-0.35120996E+04-0.82429214E+02-0.47979689E+01	0.10623018E+00-0.94799878E-04	3
0.47706251E-07-0.10704951E-10 0.38361284E+04	0.54351269E+02	4
Aphc3h5ohB 12/11/06THERGc 9h 11o 1 OG	300.000 5000.000 1000.000	21
0.42609871E+02 0.14871208E-02-0.40950788E-07-0.16070569E-11	0.21257169E-15	2
-0.14006086E+05-0.20249825E+03-0.28198125E+01	0.95189229E-01-0.70355542E-04	3
0.29562411E-07-0.75149739E-11 0.21227725E+04	0.44798199E+02	4
Cphc3h5ohB 12/11/06THERGc 9h 11o 1 OG	300.000 5000.000 1000.000	21
0.41766689E+02 0.20566636E-02-0.34463035E-07-0.13638766E-10	0.13351331E-14	2
-0.21529559E+05-0.19822910E+03-0.19387363E+01	0.89019664E-01-0.60733699E-04	3
0.23585216E-07-0.61533278E-11-0.57413350E+04	0.40736298E+02	4
Bphc3h5ohC 12/12/6 THERMc 9h 11o 1 OG	300.000 5000.000 1392.000	41
2.56278980E+01 2.71742952E-02-9.14982234E-06	1.40759294E-09-8.12078708E-14	2
-7.96732596E+03-1.05500570E+02-5.41454336E+00	1.02219649E-01-7.80367976E-05	3
2.99199282E-08-4.56777226E-12 2.39900315E+03	6.00533071E+01	4
pbzohAqjB 3/13/07 THEc 9h 11o 3 OG	300.000 5000.000 1000.000	51
3.19565431E+01 2.62882126E-02-9.34949766E-06	1.49004559E-09-8.80437571E-14	2
-2.64172679E+04-1.36826090E+02-3.17466752E+00	1.11126079E-01-8.88134603E-05	3
3.58635381E-08-5.86576689E-12-1.44890054E+04	5.08828040E+01	4
pbzohBqjA 3/13/07 THEc 9h 11o 3 OG	300.000 5000.000 1000.000	51
3.19565431E+01 2.62882126E-02-9.34949766E-06	1.49004559E-09-8.80437571E-14	2
-2.64172679E+04-1.36826090E+02-3.17466752E+00	1.11126079E-01-8.88134603E-05	3
3.58635381E-08-5.86576689E-12-1.44890054E+04	5.08828040E+01	4
pbzohBqjC 3/13/07 THEc 9h 11o 3 OG	300.000 5000.000 1395.000	51
3.27032733E+01 2.57270580E-02-9.17338705E-06	1.46447770E-09-8.66360485E-14	2
-2.83875449E+04-1.41158304E+02-4.44255203E+00	1.16886944E-01-9.60843767E-05	3
3.97166890E-08-6.61490372E-12-1.59406599E+04	5.67652602E+01	4
pbzohCqjB 3/13/07 THEc 9h 11o 3 OG	300.000 5000.000 1395.000	51
3.27032733E+01 2.57270580E-02-9.17338705E-06	1.46447770E-09-8.66360485E-14	2
-2.83875449E+04-1.41158304E+02-4.44255203E+00	1.16886944E-01-9.60843767E-05	3
3.97166890E-08-6.61490372E-12-1.59406599E+04	5.67652602E+01	4
Cophc3h4-1 12/12/6 THERMc 9h 9o 1 OG	300.000 5000.000 1394.000	21
2.51730730E+01 2.36753732E-02-8.01815748E-06	1.23843432E-09-7.16504593E-14	2
1.04394911E+04-1.06613466E+02-6.47405067E+00	1.04577612E-01-8.77058889E-05	3
3.70258549E-08-6.22136179E-12 2.05936790E+04	6.06489707E+01	4
Aophc3h4-2 12/12/6 THERMc 9h 9o 1 OG	300.000 5000.000 1000.000	21
-0.39560852E+01 0.68859898E-01-0.28853545E-04	0.53335851E-08-0.36449161E-12	2
0.22584219E+05 0.56222107E+02-0.69234300E+01	0.10561591E+00-0.85967440E-04	3
0.29665280E-07-0.14717237E-11 0.20350043E+05	0.60686974E+02	4
ch3c6h4c2h3 c 9h 10 0 OG	300.000 5000.000 1387.000	1
2.13664963e+01 2.79354157e-02-9.69178877e-06	1.51917696e-09-8.87326037e-14	2
2.91092188e+03-9.00111261e+01-2.76029596e+00	8.32252436e-02-5.85472575e-05	3
2.14521211e-08-3.26642304e-12 1.14654148e+04	4.00613508e+01	4
ch3c6h4c2h5 c 9h 12 0 OG	300.000 5000.000 1392.000	1
2.29271900e+01 3.04089660e-02-1.03593788e-05	1.60461730e-09-9.29658996e-14	2
-1.21377244e+04-9.84493825e+01-4.41852383e+00	9.35245334e-02-6.54171104e-05	3

2.31989742e-08-3.30851599e-12-2.62791031e+03	4.85805625e+01	4
c14h14	c 14h 14 0 0G	300.00 3000.00 1000.00
0.72920350E+01 0.92502000E-01-0.51686410E-04	0.13627090E-07-0.13811480E-11	2
0.10316730E+05-0.11327380E+02-0.13889580E+02	0.17209840E+00-0.17006600E-03	3
0.96018880E-07-0.23732530E-10 0.15032340E+05	0.92707360E+02	4
napht	c 10h 8 0 0G	300.000 5000.000 1000.00
0.19726501E+02 0.28167639E-01-0.96896429E-05	0.14654855E-08-0.80134955E-13	2
0.85581797E+04-0.86036400E+02-0.46547480E+01	0.74611127E-01-0.53069607E-05	3
-0.54125859E-07 0.29066527E-10 0.16325324E+05	0.45018630E+02	4
biphenyl	burct c 12h 10 0 0G	300.000 5000.000 1000.000
0.24289017e 02 0.34006648e-01-0.11722408e-04	0.17729298e-08-0.96812532e-13	2
0.10287000e 05-0.10802374e 03-0.40739527e 01	0.86973310e-01-0.42353613e-05	3
-0.64564460e-07 0.34150169e-10 0.19405965e 05	0.44741348e 02	4
c10h9	c 10h 9 0 0G	200.000 6000.000 1000.00
1.96879334E+01 3.20520257E-02-1.16715110E-05	1.90182471E-09-1.14603906E-13	2
1.80099777E+04-8.29833882E+01-1.21356342E+00	5.48913745E-02 5.55281159E-05	3
-1.24860759E-07 5.75105005E-11 2.52575495E+04	3.28077928E+01	4
c10h10	c 10h 10 0 0G	200.000 6000.000 1000.00
1.92211178E+01 3.51247274E-02-1.27719042E-05	2.07903232E-09-1.25191968E-13	2
4.39595221E+03-8.19390283E+01-1.92135165E-01	4.50394780E-02 8.64482370E-05	3
-1.56640588E-07 6.88727900E-11 1.16587583E+04	2.82951960E+01	4
U-c6h5	c 6h 50 00 0G	300.00 5000.00 1000.00
1.72154000E+01 8.62106800E-03-8.22134000E-07	4.75216400E-10 8.84408600E-14	2
6.40440300E+04-6.37727800E+01 4.85426800E+00	3.03165900E-02 1.74289200E-07	3
-1.81101000E-08 7.39251100E-12 6.81732300E+04	3.47340700E+00	4
c6h4c2h	c 8h 50 00 0G	300.00 3000.00 1000.00
9.43202080E+00 3.25329290E-02-1.68709990E-05	4.20594250E-09-4.09400480E-13	2
6.23576270E+04-2.48636700E+01-4.56114890E+00	8.13046740E-02-8.13362740E-05	3
4.22006150E-08-8.72984310E-12 6.56187700E+04	4.46738350E+01	4
Alc2hAC	c 10h 7 0 0G	300.000 5000.000 1000.00
1.21998720E+01 4.24216550E-02-2.18133560E-05	5.39916760E-09-5.22371160E-13	2
6.75357020E+04-3.55326290E+01-2.87461430E+00	9.35986380E-02-8.71626910E-05	3
4.21237400E-08-8.01506440E-12 7.11222060E+04	3.97275660E+01	4
A2-X	c 10h 7 0 0G	300.000 5000.000 1000.00
9.14717570E+00 4.80582360E-02-2.53147210E-05	6.38292050E-09-6.26509890E-13	2
4.17725310E+04-2.59244170E+01-6.02056560E+00	9.04003210E-02-6.16294130E-05	3
1.13763900E-08 3.50244490E-12 4.57999680E+04	5.19691610E+01	4
A2O	c 10h 7o 10 0G	300.00 5000.00 1000.00
1.77268430E+01 1.08095730E-02 4.74606580E-06	9.95701080E-10-6.69728000E-13	2
9.57138280E+03-5.77990530E+01-8.58593850E+00	6.84750150E-02-9.20467850E-06	3
-3.88479680E-08 2.17720230E-11 1.71742660E+04	8.09439620E+01	4
A2oh	c 10h 8o 10 0G	300.00 5000.00 1000.00
2.85889590E+01 1.08775460E-02 2.32494290E-06	9.02891860E-11 2.85658840E-13	2
-1.57408270E+04-1.27026820E+02-2.56072540E-03	6.94127830E-02-8.76392640E-06	3
-3.89715850E-08 2.04926840E-11-6.99657370E+03	2.54545150E+01	4
Alc2h3AC	c 10h 9 0 0G	200.000 6000.000 1000.00
6.39681670E+00 2.09505090E-02 1.41400130E-05	1.65506210E-09-6.81654990E-12	2
5.25843790E+04 1.42662500E+01-4.24241480E-01	7.39664960E-02-2.61253810E-05	3
-4.95778250E-08 3.84868040E-11 5.00668090E+04	3.42529680E+01	4
indenyl	c 9h 70 00 0G	300.0 3000.0 1000.0
1.31457040E+01 1.51377560E-02 8.60589080E-06	1.08657830E-09-3.46351350E-12	2
3.40730660E+04-3.68146590E+01-1.16719530E+01	7.28180630E-02-7.96013860E-06	3
-3.95516300E-08 2.08780720E-11 4.08638200E+04	9.26830670E+01	4

! Aromatics : Butylbenzene

phc4h9	6/ 3/99	c	10h	14	0	0G	300.000	5000.000	1395.000	41
	2.67352334E+01		3.43477266E-02		-1.17087252E-05		1.81434544E-09		-1.05143951E-13	2
	-1.51216286E+04		-1.18171023E+02		-6.22856223E+00		1.13691752E-01		-8.50361112E-05	3
	3.27496505E-08		-5.12339478E-12		-3.97172741E+03		5.79294597E+01			4
Aphc4h8	6/ 3/99	c	10h	13	0	0G	300.000	5000.000	1395.000	41
	2.63195668E+01		3.22014066E-02		-1.09791469E-05		1.70158839E-09		-9.86239739E-14	2
	9.94241670E+03		-1.13082008E+02		-5.45675956E+00		1.09122905E-01		-8.25272801E-05	3
	3.20915301E-08		-5.06141805E-12		2.06406285E+04		5.65096112E+01			4
Bphc4h8	6/ 3/99	c	10h	130	00	0G	300.000	5000.000	1388.000	41
	2.62094455E+01		3.18543753E-02		-1.07757053E-05		1.66215541E-09		-9.60490097E-14	2
	8.53697685E+03		-1.12088233E+02		-4.89499625E+00		1.03472638E-01		-7.25748996E-05	3
	2.53788579E-08		-3.50769312E-12		1.93152099E+04		5.51207574E+01			4
Cphc4h8	6/ 3/99	c	10h	130	00	0G	300.000	5000.000	1388.000	41
	2.62094455E+01		3.18543753E-02		-1.07757053E-05		1.66215541E-09		-9.60490097E-14	2
	8.53697685E+03		-1.12088233E+02		-4.89499625E+00		1.03472638E-01		-7.25748996E-05	3
	2.53788579E-08		-3.50769312E-12		1.93152099E+04		5.51207574E+01			4
Dphc4h8	6/ 3/99	c	10h	130	00	0G	300.000	5000.000	1393.000	41
	2.70273993E+01		3.21704122E-02		-1.10893400E-05		1.73097280E-09		-1.00815459E-13	2
	2.35147019E+03		-1.20696474E+02		-3.97290080E+00		1.05990334E-01		-7.87536684E-05	3
	3.01569625E-08		-4.71350779E-12		1.29600077E+04		4.52696443E+01			4
Dphsecb	8/31/ 6	ThERMc	10h	13	0	0G	300.000	5000.000	1397.000	41
	2.62310937E+01		3.25543809E-02		-1.11577719E-05		1.73503839E-09		-1.00786050E-13	2
	9.23125104E+03		-1.11588995E+02		-6.02790900E+00		1.11480583E-01		-8.57361173E-05	3
	3.40464370E-08		-5.49532858E-12		2.00312696E+04		6.03194178E+01			4
phc4h7-3	6/ 8/99	ThERMc	10h	12	0	0G	300.000	5000.000	1395.000	31
	2.53129170E+01		3.14281387E-02		-1.08152689E-05		1.68620292E-09		-9.81246226E-14	2
	-1.40337072E+03		-1.10601858E+02		-5.52864894E+00		1.07276062E-01		-8.33212344E-05	3
	3.36538598E-08		-5.55115817E-12		8.92646491E+03		5.36875671E+01			4
phc4h7-2	6/ 8/99	ThERMc	10h	12	0	0G	300.000	5000.000	1392.000	31
	2.43902403E+01		3.24004931E-02		-1.11925596E-05		1.74946782E-09		-1.01985620E-13	2
	-2.45450569E+02		-1.04802041E+02		-5.93522992E+00		1.04404463E-01		-7.72345306E-05	3
	2.96299900E-08		-4.66636566E-12		1.01859490E+04		5.76804055E+01			4
phc4h7-1	6/ 8/99	ThERMc	10h	12	0	0G	300.000	5000.000	1396.000	31
	2.56327022E+01		3.06080886E-02		-1.04190973E-05		1.61318568E-09		-9.34399509E-14	2
	8.18387633E+02		-1.11127142E+02		-6.54800245E+00		1.10347314E-01		-8.66280506E-05	3
	3.49310042E-08		-5.69147696E-12		1.14558141E+04		5.99487246E+01			4
Bphc4h6-3	7/ 5/99	c	10h	11	0	0G	300.000	5000.000	1391.000	31
	2.47070740E+01		2.90264191E-02		-9.91397307E-06		1.53860047E-09		-8.92709004E-14	2
	2.23032232E+04		-1.04039398E+02		-4.37243296E+00		9.78810028E-02		-7.21054814E-05	3
	2.70409791E-08		-4.09629384E-12		3.22392342E+04		5.16926203E+01			4
Cphc4h6-1	7/ 5/99	c	10h	11	0	0G	300.000	5000.000	1390.000	31
	2.51229558E+01		2.81005272E-02		-9.48298210E-06		1.46083903E-09		-8.43531064E-14	2
	2.44662758E+04		-1.05142326E+02		-5.17174396E+00		9.99499536E-02		-7.39211502E-05	3
	2.74237635E-08		-4.04934030E-12		3.47360317E+04		5.69401550E+01			4
Dphc4h6-1	7/ 5/99	c	10h	11	0	0G	300.000	5000.000	1394.000	31
	2.59340983E+01		2.84263046E-02		-9.79818843E-06		1.52952343E-09		-8.90909075E-14	2
	1.82936918E+04		-1.13694812E+02		-4.31081400E+00		1.02842357E-01		-8.07007396E-05	3
	3.25777716E-08		-5.33680982E-12		2.83870153E+04		4.73493640E+01			4
phc4h5	7/13/99	ThERMc	10h	10	0	0G	300.000	5000.000	1398.000	21
	2.51177291E+01		2.71079788E-02		-9.36415847E-06		1.46361840E-09		-8.53182081E-14	2
	1.23688395E+04		-1.10413157E+02		-6.13672076E+00		1.09990763E-01		-9.57033138E-05	3
	4.29399928E-08		-7.72933039E-12		2.22598478E+04		5.39819170E+01			4
phc4h8ojA	6/ 3/99	c	10h	13o	1	0G	300.000	5000.000	1394.000	61
	2.84513486E+01		3.32063635E-02		-1.14739814E-05		1.79387989E-09		-1.04595186E-13	2
	-7.55212227E+03		-1.22499678E+02		-5.30615619E+00		1.15113502E-01		-8.83561440E-05	3
	3.49764035E-08		-5.64138940E-12		3.84810478E+03		5.76884946E+01			4
phc4h8ojB	6/ 3/99	c	10h	13o	1	0G	300.000	5000.000	1397.000	61
	2.89950874E+01		3.27117416E-02		-1.12953327E-05		1.76509703E-09		-1.02881048E-13	2
	-9.85437258E+03		-1.26409892E+02		-5.76019225E+00		1.19264276E-01		-9.50280784E-05	3
	3.90501895E-08		-6.50879318E-12		1.65099626E+03		5.82986152E+01			4
phc4h8ojC	6/ 3/99	c	10h	13o	1	0G	300.000	5000.000	1397.000	61

	2.89950874E+01	3.27117416E-02	-1.12953327E-05	1.76509703E-09	-1.02881048E-13		2	
	-9.85437258E+03	-1.26409892E+02	-5.76019225E+00	1.19264276E-01	-9.50280784E-05		3	
	3.90501895E-08	-6.50879318E-12	1.65099626E+03	5.82986152E+01			4	
phc4h8ojD	6/ 3/99	c 10h	13o 1	OG	300.000	5000.000	1394.000	
	2.94596622E+01	3.21058244E-02	-1.10459202E-05	1.72245524E-09	-1.00263509E-13		2	
	-9.58226117E+03	-1.29304628E+02	-6.76952885E+00	1.21689929E-01	-9.65915717E-05		3	
	3.91507891E-08	-6.40399151E-12	2.42637877E+03	6.33845304E+01			4	
phc4h8qjA	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1390.000	
	3.00614649E+01	3.44244713E-02	-1.19953629E-05	1.88571463E-09	-1.10362452E-13		2	
	-8.83435174E+03	-1.27463376E+02	-3.26587503E+00	1.14432007E-01	-8.70298215E-05		3	
	3.46180084E-08	-5.68639905E-12	2.60987705E+03	5.09068087E+01			4	
phc4h8qjB	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1392.000	
	3.06747172E+01	3.38518540E-02	-1.17861965E-05	1.85183804E-09	-1.08339822E-13		2	
	-1.06726621E+04	-1.31483945E+02	-3.91962734E+00	1.19337110E-01	-9.46664205E-05		3	
	3.92235446E-08	-6.66222898E-12	9.49580676E+02	5.27803492E+01			4	
phc4h8qjC	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1392.000	
	3.06747172E+01	3.38518540E-02	-1.17861965E-05	1.85183804E-09	-1.08339822E-13		2	
	-1.06726621E+04	-1.31483945E+02	-3.91962734E+00	1.19337110E-01	-9.46664205E-05		3	
	3.92235446E-08	-6.66222898E-12	9.49580676E+02	5.27803492E+01			4	
phc4h8qjD	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1390.000	
	3.07774458E+01	3.39562166E-02	-1.18660582E-05	1.86898805E-09	-1.09531583E-13		2	
	-1.03072015E+04	-1.32445197E+02	-4.48710953E+00	1.19983949E-01	-9.40568926E-05		3	
	3.84020224E-08	-6.43864687E-12	1.65485484E+03	5.57904380E+01			4	
bbzqA	6/3/99	c 10h	14o 2	OG	300.000	5000.000	1392.000	
	3.20065100E+01	3.52390466E-02	-1.22591795E-05	1.92517610E-09	-1.12592895E-13		2	
	-2.78611688E+04	-1.39446935E+02	-4.34731205E+00	1.23976480E-01	-9.66502396E-05		3	
	3.90676024E-08	-6.45939531E-12	-1.55834398E+04	5.45018094E+01			4	
bbzqB	6/3/99	c 10h	14o 2	OG	300.000	5000.000	1394.000	
	3.26656531E+01	3.46918358E-02	-1.20729164E-05	1.89633800E-09	-1.10922550E-13		2	
	-2.97300156E+04	-1.43770581E+02	-5.67396621E+00	1.32067178E-01	-1.09151697E-04		3	
	4.67567747E-08	-8.12851930E-12	-1.71474860E+04	5.94498425E+01			4	
bbzqC	6/3/99	c 10h	14o 2	OG	300.000	5000.000	1394.000	
	3.26656531E+01	3.46918358E-02	-1.20729164E-05	1.89633800E-09	-1.10922550E-13		2	
	-2.97300156E+04	-1.43770581E+02	-5.67396621E+00	1.32067178E-01	-1.09151697E-04		3	
	4.67567747E-08	-8.12851930E-12	-1.71474860E+04	5.94498425E+01			4	
bbzqD	6/3/99	c 10h	14o 2	OG	300.000	5000.000	1392.000	
	3.27472154E+01	3.48071628E-02	-1.21549070E-05	1.91364021E-09	-1.12115639E-13		2	
	-2.93529434E+04	-1.44602154E+02	-6.14874040E+00	1.32282089E-01	-1.07905808E-04		3	
	4.55411998E-08	-7.81742762E-12	-1.64555397E+04	6.20355219E+01			4	
bbzqDrD		THERMc	10h	13o 2	OG	300.000	5000.000	1389.000
	3.13153832E+01	3.34453666E-02	-1.16772718E-05	1.83816032E-09	-1.07679974E-13		2	
	-7.57192717E+03	-1.31511282E+02	-2.15780771E+00	1.14097452E-01	-8.76325717E-05		3	
	3.51133065E-08	-5.79840538E-12	3.88911318E+03	4.75291577E+01			4	
bbzqDrC	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1391.000	
	3.18818252E+01	3.27029227E-02	-1.13668697E-05	1.78433731E-09	-1.04337691E-13		2	
	-5.51050095E+03	-1.36501133E+02	-4.64927400E+00	1.21423535E-01	-9.46502187E-05		3	
	3.77087559E-08	-6.09386626E-12	6.80419866E+03	5.84407930E+01			4	
bbzqDrB	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1391.000	
	3.18818252E+01	3.27029227E-02	-1.13668697E-05	1.78433731E-09	-1.04337691E-13		2	
	-5.51050095E+03	-1.36501133E+02	-4.64927400E+00	1.21423535E-01	-9.46502187E-05		3	
	3.77087559E-08	-6.09386626E-12	6.80419866E+03	5.84407930E+01			4	
bbzqDrA	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1392.000	
	3.23416944E+01	3.26368560E-02	-1.14136621E-05	1.79871002E-09	-1.05454936E-13		2	
	-4.29020513E+03	-1.39972349E+02	-5.39584773E+00	1.27786578E-01	-1.05483905E-04		3	
	4.49174607E-08	-7.75903855E-12	8.15989638E+03	6.02974673E+01			4	
bbzqCrD	6/ 3/99	c 10h	13o 2	OG	300.000	5000.000	1392.000	
	3.33541264E+01	3.17821275E-02	-1.11198685E-05	1.75295136E-09	-1.02794344E-13		2	
	-1.23687401E+04	-1.48427954E+02	-3.45244591E+00	1.24448659E-01	-1.02600045E-04		3	
	4.36315547E-08	-7.52935763E-12	-2.10671816E+02	4.69521983E+01			4	
bbzqCrC		c 10h	13o 2	OG	300.00	5000.00	1000.00	

0.48603951E+02	0.38860326E-02	-0.24548314E-06	0.39682532E-11	0.40945443E-15	2
-0.14474516E+05	-0.22900461E+03	-0.21343935E+01	0.11672846E+00	-0.99965386E-04	3
0.51907797E-07	-0.14269402E-10	0.29605872E+04	0.44767147E+02		4
bbzqCrB	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1393.000	61
3.18422816E+01	3.24698640E-02	-1.12271789E-05	1.75633139E-09	-1.02455246E-13	2
-5.89299487E+03	-1.35876678E+02	-4.07263209E+00	1.20687165E-01	-9.50377782E-05	3
3.83187917E-08	-6.25639461E-12	6.09860094E+03	5.53970916E+01		4
bbzqCrA	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1394.000	61
3.22604515E+01	3.25227329E-02	-1.13323636E-05	1.78154075E-09	-1.04270472E-13	2
-4.66172730E+03	-1.39129126E+02	-4.78631852E+00	1.27080419E-01	-1.06072877E-04	3
4.57551016E-08	-7.99113323E-12	7.44451305E+03	5.70644586E+01		4
bbzqBrD	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1392.000	61
3.33541264E+01	3.17821275E-02	-1.11198685E-05	1.75295136E-09	-1.02794344E-13	2
-1.23687401E+04	-1.48427954E+02	-3.45244591E+00	1.24448659E-01	-1.02600045E-04	3
4.36315547E-08	-7.52935763E-12	-2.10671816E+02	4.69521983E+01		4
bbzqBrC	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1393.000	61
3.18422816E+01	3.24698640E-02	-1.12271789E-05	1.75633139E-09	-1.02455246E-13	2
-5.89299487E+03	-1.35876678E+02	-4.07263209E+00	1.20687165E-01	-9.50377782E-05	3
3.83187917E-08	-6.25639461E-12	6.09860094E+03	5.53970916E+01		4
bbzqBrB		c 10h 13o 2	OG	300.00 5000.00 1000.00	1
0.48603951E+02	0.38860326E-02	-0.24548314E-06	0.39682532E-11	0.40945443E-15	2
-0.14474516E+05	-0.22900461E+03	-0.21343935E+01	0.11672846E+00	-0.99965386E-04	3
0.51907797E-07	-0.14269402E-10	0.29605872E+04	0.44767147E+02		4
bbzqBrA	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1394.000	61
3.22604515E+01	3.25227329E-02	-1.13323636E-05	1.78154075E-09	-1.04270472E-13	2
-4.66172730E+03	-1.39129126E+02	-4.78631852E+00	1.27080419E-01	-1.06072877E-04	3
4.57551016E-08	-7.99113323E-12	7.44451305E+03	5.70644586E+01		4
bbzqArD	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1390.000	61
3.26767371E+01	3.23776648E-02	-1.13300048E-05	1.78626095E-09	-1.04755030E-13	2
-1.05029989E+04	-1.44024132E+02	-2.14812385E+00	1.16403004E-01	-9.01517990E-05	3
3.59940318E-08	-5.87694902E-12	1.35840669E+03	4.21199168E+01		4
bbzqArC	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1390.000	61
3.14198963E+01	3.26810535E-02	-1.12705020E-05	1.76026101E-09	-1.02576929E-13	2
-4.11153409E+03	-1.32891207E+02	-3.55665234E+00	1.16230086E-01	-8.77654223E-05	3
3.37084952E-08	-5.23564316E-12	7.78326711E+03	5.41910876E+01		4
bbzqArB	6/ 3/99	c 10h 13o 2	OG	300.000 5000.000 1390.000	61
3.14198963E+01	3.26810535E-02	-1.12705020E-05	1.76026101E-09	-1.02576929E-13	2
-4.11153409E+03	-1.32891207E+02	-3.55665234E+00	1.16230086E-01	-8.77654223E-05	3
3.37084952E-08	-5.23564316E-12	7.78326711E+03	5.41910876E+01		4
bbzqArA		c 10h 13o 2	OG	300.00 5000.00 1000.00	1
0.51059887E+02	0.67487489E-02	-0.72247070E-06	0.46707516E-10	-0.15189197E-14	2
-0.30197889E+05	-0.23812460E+03	-0.27723112E+01	0.12189330E+00	-0.80158228E-04	3
0.18925707E-07	-0.75960532E-12	-0.12027512E+05	0.52204906E+02		4
bbzqDqjC	99	ThERM c 10h 13o 4	OG	300.000 5000.000 1390.000	81
3.73197468E+01	3.29715668E-02	-1.16020000E-05	1.83593221E-09	-1.07946184E-13	2
-2.50457513E+04	-1.60833117E+02	-3.89885602E+00	1.37735854E-01	-1.16267565E-04	3
5.03759924E-08	-8.82462112E-12	-1.15163295E+04	5.76396456E+01		4
bbzqDqjB	99	ThERM c 10h 13o 4	OG	300.000 5000.000 1390.000	81
3.73197468E+01	3.29715668E-02	-1.16020000E-05	1.83593221E-09	-1.07946184E-13	2
-2.50457513E+04	-1.60833117E+02	-3.89885602E+00	1.37735854E-01	-1.16267565E-04	3
5.03759924E-08	-8.82462112E-12	-1.15163295E+04	5.76396456E+01		4
bbzqDqjA	99	ThERM c 10h 13o 4	OG	300.000 5000.000 1390.000	81
3.67274879E+01	3.35260481E-02	-1.18049653E-05	1.86885617E-09	-1.09914267E-13	2
-2.27165154E+04	-1.57321477E+02	-3.48941013E+00	1.33899868E-01	-1.10202388E-04	3
4.67337714E-08	-8.05969130E-12	-9.31536157E+03	5.65236044E+01		4
bbzqCqjD	99	ThERM c 10h 13o 4	OG	300.000 5000.000 1390.000	81
3.73197468E+01	3.29715668E-02	-1.16020000E-05	1.83593221E-09	-1.07946184E-13	2
-2.50457513E+04	-1.60833117E+02	-3.89885602E+00	1.37735854E-01	-1.16267565E-04	3
5.03759924E-08	-8.82462112E-12	-1.15163295E+04	5.76396456E+01		4
bbzqCqjB	99	ThERM c 10h 13o 4	OG	300.000 5000.000 1392.000	81
3.72396298E+01	3.28927246E-02	-1.15408512E-05	1.82273617E-09	-1.07026473E-13	2

-2.54411390E+04-1.60052616E+02-3.54323922E+00	1.37881756E-01-1.17905029E-04	3
5.17991893E-08-9.17897263E-12-1.21857164E+04	5.56409557E+01	4
bbzqCqjA 99 ThERM c 10h 13o 4 OG	300.000 5000.000 1390.000	81
3.66529161E+01 3.34364068E-02-1.17385220E-05	1.85465244E-09-1.08927981E-13	2
-2.30915490E+04-1.56525904E+02-3.22710630E+00	1.34881305E-01-1.13417523E-04	3
4.92490493E-08-8.66978272E-12-9.98216293E+03	5.48684391E+01	4
bbzqBqjD 99 ThERM c 10h 13o 4 OG	300.000 5000.000 1390.000	81
3.73197468E+01 3.29715668E-02-1.16020000E-05	1.83593221E-09-1.07946184E-13	2
-2.50457513E+04-1.60833117E+02-3.89885602E+00	1.37735854E-01-1.16267565E-04	3
5.03759924E-08-8.82462112E-12-1.15163295E+04	5.76396456E+01	4
bbzqBqjC 99 ThERM c 10h 13o 4 OG	300.000 5000.000 1392.000	81
3.72396298E+01 3.28927246E-02-1.15408512E-05	1.82273617E-09-1.07026473E-13	2
-2.54411390E+04-1.60052616E+02-3.54323922E+00	1.37881756E-01-1.17905029E-04	3
5.17991893E-08-9.17897263E-12-1.21857164E+04	5.56409557E+01	4
bbzqBqjA 99 ThERM c 10h 13o 4 OG	300.000 5000.000 1390.000	81
3.66529161E+01 3.34364068E-02-1.17385220E-05	1.85465244E-09-1.08927981E-13	2
-2.30915490E+04-1.56525904E+02-3.22710630E+00	1.34881305E-01-1.13417523E-04	3
4.92490493E-08-8.66978272E-12-9.98216293E+03	5.48684391E+01	4
bbzqAqjD 99 ThERM c 10h 13o 4 OG	300.000 5000.000 1388.000	81
3.67274879E+01 3.35260481E-02-1.18049653E-05	1.86885617E-09-1.09914267E-13	2
-2.27165154E+04-1.57321477E+02-3.48941013E+00	1.33899868E-01-1.10202388E-04	3
4.67337714E-08-8.05969130E-12-9.31536157E+03	5.65236044E+01	4
bbzqAqjC 99 ThERM c 10h 13o 4 OG	300.000 5000.000 1390.000	81
3.66529161E+01 3.34364068E-02-1.17385220E-05	1.85465244E-09-1.08927981E-13	2
-2.30915490E+04-1.56525904E+02-3.22710630E+00	1.34881305E-01-1.13417523E-04	3
4.92490493E-08-8.66978272E-12-9.98216293E+03	5.48684391E+01	4
bbzqAqjB 99 ThERM c 10h 13o 4 OG	300.000 5000.000 1390.000	81
3.66529161E+01 3.34364068E-02-1.17385220E-05	1.85465244E-09-1.08927981E-13	2
-2.30915490E+04-1.56525904E+02-3.22710630E+00	1.34881305E-01-1.13417523E-04	3
4.92490493E-08-8.66978272E-12-9.98216293E+03	5.48684391E+01	4
bbzoCqD 99 ThERM c 10h 12o 3 OG	300.000 5000.000 922.000	61
3.04170624E+02 1.59753829E-01-7.77989714E-05	1.52351149E-08-1.03803728E-12	2
-2.33324879E+05-1.95661541E+03 7.98193546E+02-6.22889547E+00	1.57338562E-02	3
-1.44008926E-05 4.50196441E-09-9.99306829E+04-3.20653847E+03		4
bbzoBqD 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1389.000	61
3.32203594E+01 3.20804742E-02-1.12652374E-05	1.78018888E-09-1.04568173E-13	2
-4.26270615E+04-1.43078260E+02-3.53491176E+00	1.22738370E-01-9.88568978E-05	3
4.11083699E-08-6.97356018E-12-3.02793303E+04	5.27289246E+01	4
bbzoAqD 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1390.000	61
3.34678308E+01 3.18186095E-02-1.11628270E-05	1.76289371E-09-1.03506517E-13	2
-3.88627053E+04-1.43715988E+02-2.98711536E+00	1.22230054E-01-9.90292264E-05	3
4.14257145E-08-7.06013074E-12-2.66697555E+04	5.03079159E+01	4
bbzoDqC 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1393.000	61
3.42579373E+01 3.10810453E-02-1.08939677E-05	1.71944686E-09-1.00917661E-13	2
-1.29900278E+04-1.49888746E+02-4.64180376E+00	1.30016034E-01-1.09306832E-04	3
4.69584248E-08-8.13062352E-12-2.82058740E+02	5.61786177E+01	4
bbzoBqC 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1392.000	61
3.36734804E+01 3.15898633E-02-1.10723623E-05	1.74760322E-09-1.02569998E-13	2
-4.26116369E+04-1.45792573E+02-4.76743980E+00	1.28051250E-01-1.05570223E-04	3
4.45316371E-08-7.59402941E-12-2.99240412E+04	5.83058545E+01	4
bbzoAqC 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1392.000	61
3.33806026E+01 3.16761016E-02-1.10642378E-05	1.74223753E-09-1.02086934E-13	2
-3.92264996E+04-1.42826031E+02-2.46304489E+00	1.21819085E-01-1.00002241E-04	3
4.24577272E-08-7.32586988E-12-2.73697549E+04	4.74892243E+01	4
bbzoDqB 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1391.000	61
3.36726156E+01 3.15259909E-02-1.10345070E-05	1.73992324E-09-1.02047241E-13	2
-1.33627844E+04-1.46053045E+02-2.68620243E+00	1.23388659E-01-1.02246011E-04	3
4.37989670E-08-7.61792966E-12-1.36674405E+03	4.68663270E+01	4
bbzoCqB 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1391.000	61
3.35272823E+01 3.17155615E-02-1.11151484E-05	1.75414800E-09-1.02943293E-13	2

-4.26373309E+04-1.44609387E+02-4.33502426E+00	1.28416013E-01-1.08313643E-04	3
4.71152301E-08-8.29434144E-12-3.02459913E+04	5.59244546E+01	4
bbzoAqB 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1394.000	61
3.39473225E+01 3.12721509E-02-1.09433590E-05	1.72540007E-09-1.01192143E-13	2
-3.88495215E+04-1.46562230E+02-4.28671761E+00	1.27882526E-01-1.06253311E-04	3
4.51440838E-08-7.74018747E-12-2.63056046E+04	5.61859706E+01	4
bbzoDqA 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1389.000	61
3.30876745E+01 3.20379866E-02-1.12147834E-05	1.76846890E-09-1.03726547E-13	2
-1.10281184E+04-1.42562236E+02-2.23307538E+00	1.19350042E-01-9.58658986E-05	3
3.99355328E-08-6.79805521E-12 8.27835480E+02	4.55496707E+01	4
bbzoCqA 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1388.000	61
3.23768675E+01 3.26306098E-02-1.14160290E-05	1.79949197E-09-1.05515262E-13	2
-4.06811904E+04-1.37391918E+02-2.05769135E+00	1.18288570E-01-9.56214578E-05	3
4.05181941E-08-7.04831403E-12-2.91150439E+04	4.59132655E+01	4
bbzoBqA 99 ThERM c 10h 12o 3 OG	300.000 5000.000 1386.000	61
3.23611140E+01 3.26857545E-02-1.14446936E-05	1.80500228E-09-1.05879021E-13	2
-3.97375501E+04-1.37482665E+02-6.65998176E-01	1.12253443E-01-8.67416618E-05	3
3.51235082E-08-5.88315237E-12-2.83889589E+04	3.92427693E+01	4
bbzohDrC 7/13/99 c 10h 13o 1 OG	300.000 5000.000 1390.000	51
2.89616045E+01 3.13860028E-02-1.05684490E-05	1.62583700E-09-9.37976226E-14	2
-1.21309203E+04-1.23119546E+02-5.66970835E+00	1.14414123E-01-8.60977131E-05	3
3.25990800E-08-4.92367334E-12-4.81961655E+02	6.18453183E+01	4
bbzohCrD 7/13/99 c 10h 13o 1 OG	300.000 5000.000 1397.000	51
2.92194984E+01 3.23735228E-02-1.11452601E-05	1.73813247E-09-1.01165853E-13	2
-1.85345570E+04-1.28255942E+02-3.78697371E+00	1.14666690E-01-9.09918967E-05	3
3.74502620E-08-6.26920720E-12-7.60302466E+03	4.71488188E+01	4
bbzohCrB 7/13/99 c 10h 13o 1 OG	300.000 5000.000 1395.000	51
2.83667165E+01 3.20931153E-02-1.08429774E-05	1.67082144E-09-9.64713801E-14	2
-1.23304315E+04-1.19446010E+02-4.94261624E+00	1.13128783E-01-8.62235537E-05	3
3.35119458E-08-5.24087878E-12-1.21085375E+03	5.80940852E+01	4
bbzohBrC 7/13/99 c 10h 13o 1 OG	300.000 5000.000 1393.000	51
2.63327875E+01 3.24449184E-02-1.17374113E-05	1.98555802E-09-1.23755305E-13	2
1.18972142E+04-1.05029728E+02-5.70985590E+00	1.13843465E-01-9.24499264E-05	3
3.89125224E-08-6.64168643E-12 2.23577549E+04	6.47187471E+01	4
bbzohArB 7/13/99 c 10h 13o 1 OG	300.000 5000.000 1389.000	51
2.83181157E+01 3.17223082E-02-1.06388494E-05	1.63214024E-09-9.39768846E-14	2
-1.01875596E+04-1.18238369E+02-4.34777611E+00	1.08228515E-01-7.79405448E-05	3
2.80187822E-08-3.98042093E-12 9.65972335E+02	5.68453377E+01	4
bbzohBrA 7/13/99 c 10h 13o 1 OG	300.000 5000.000 1399.000	51
2.84776089E+01 3.24462572E-02-1.10511628E-05	1.71135092E-09-9.91269570E-14	2
-1.09280253E+04-1.19758733E+02-5.43374476E+00	1.18481868E-01-9.57580042E-05	3
3.99838837E-08-6.74527711E-12 1.03473911E+02	5.98420307E+01	4
bbzohDqjC 7/99 ThERM c 10h 13o 3 OG	300.000 5000.000 1393.000	71
3.30311013E+01 3.40408082E-02-1.18669584E-05	1.86612850E-09-1.09241991E-13	2
-3.12136098E+04-1.40145192E+02-4.56302972E+00	1.29702810E-01-1.07695326E-04	3
4.64604389E-08-8.14383918E-12-1.88655146E+04	5.91077689E+01	4
bbzohCqjD 7/99 ThERM c 10h 13o 3 OG	300.000 5000.000 1393.000	71
3.30311013E+01 3.40408082E-02-1.18669584E-05	1.86612850E-09-1.09241991E-13	2
-3.12136098E+04-1.40145192E+02-4.56302972E+00	1.29702810E-01-1.07695326E-04	3
4.64604389E-08-8.14383918E-12-1.88655146E+04	5.91077689E+01	4
bbzohCqjB 7/99 ThERM c 10h 13o 3 OG	300.000 5000.000 1395.000	71
3.29364059E+01 3.39225620E-02-1.17808500E-05	1.84785988E-09-1.07979547E-13	2
-3.15819175E+04-1.39228613E+02-4.00804466E+00	1.29104151E-01-1.08364411E-04	3
4.73103694E-08-8.37213499E-12-1.95687320E+04	5.61569241E+01	4
bbzohBqjC 7/99 ThERM c 10h 13o 3 OG	300.000 5000.000 1395.000	71
3.29364059E+01 3.39225620E-02-1.17808500E-05	1.84785988E-09-1.07979547E-13	2
-3.15819175E+04-1.39228613E+02-4.00804466E+00	1.29104151E-01-1.08364411E-04	3
4.73103694E-08-8.37213499E-12-1.95687320E+04	5.61569241E+01	4
bbzohAqjB 7/99 ThERM c 10h 13o 3 OG	300.000 5000.000 1393.000	71
3.23285489E+01 3.44987580E-02-1.19929976E-05	1.88237898E-09-1.10046608E-13	2
-2.92442159E+04-1.35622946E+02-3.50693341E+00	1.24895212E-01-1.01776032E-04	3

4.33597130E-08-7.54161678E-12-1.73825613E+04 5.46091474E+01 4  
 bbzohBqjA 7/99 ThERM c 10h 13o 3 0G 300.000 5000.000 1393.000 71  
 3.23285489E+01 3.44987580E-02-1.19929976E-05 1.88237898E-09-1.10046608E-13 2  
 -2.92442159E+04-1.35622946E+02-3.50693341E+00 1.24895212E-01-1.01776032E-04 3  
 4.33597130E-08-7.54161678E-12-1.73825613E+04 5.46091474E+01 4  
 bbze3ojB 7/12/99 ThERMc 10h 11o 1 0G 300.000 5000.000 1394.000 41  
 2.90523370E+01 2.74093716E-02-9.35266850E-06 1.45119408E-09-8.42075299E-14 2  
 3.90646596E+03-1.27911635E+02-6.32652451E+00 1.18475473E-01-1.00227313E-04 3  
 4.29962855E-08-7.37102989E-12 1.52502708E+04 5.89438651E+01 4  
 bbzelojC 7/12/99 ThERMc 10h 11o 1 0G 300.000 5000.000 1399.000 41  
 2.99116577E+01 2.62545201E-02-8.87069640E-06 1.36803699E-09-7.90685061E-14 2  
 5.84498598E+03-1.31753020E+02-1.01823067E+01 1.33514918E-01-1.19699450E-04 3  
 5.34849264E-08-9.41224521E-12 1.82188656E+04 7.84384040E+01 4  
 bbzelojD 7/99 ThERMc 10h 11o 1 0G 300.000 5000.000 1395.000 41  
 2.83699212E+01 2.83475701E-02-9.74832523E-06 1.51990438E-09-8.84729649E-14 2  
 6.35212179E+03-1.23023597E+02-7.09355624E+00 1.18355254E-01-9.81812632E-05 3  
 4.13217340E-08-6.96841554E-12 1.78548529E+04 6.47375234E+01 4  
  
 bbzoA 6/25/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1390.000 41  
 2.75646354E+01 3.12882751E-02-1.06982498E-05 1.66145757E-09-9.64426774E-14 2  
 -2.46934326E+04-1.18156017E+02-3.75160836E+00 1.06773644E-01-8.08484799E-05 3  
 3.15640514E-08-5.01954417E-12-1.40851567E+04 4.91509602E+01 4  
 bbzoB 6/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1390.000 41  
 2.70030868E+01 3.21461069E-02-1.10730626E-05 1.72776964E-09-1.00607093E-13 2  
 -2.83655077E+04-1.15822609E+02-4.13293443E+00 1.06674352E-01-8.01004902E-05 3  
 3.11875077E-08-4.97808157E-12-1.77223059E+04 5.07796723E+01 4  
 bbzoC 6/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1385.000 41  
 2.76947641E+01 3.08382158E-02-1.04827276E-05 1.62264953E-09-9.40073387E-14 2  
 -2.86908552E+04-1.19276793E+02-3.81766128E+00 1.07155655E-01-8.21627714E-05 3  
 3.26941640E-08-5.32211205E-12-1.80185678E+04 4.90094919E+01 4  
 bbzoD 6/25/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1392.000 41  
 2.73120493E+01 3.21551542E-02-1.11325655E-05 1.74264104E-09-1.01689924E-13 2  
 1.33411725E+03-1.18432390E+02-3.76698397E+00 1.07705017E-01-8.27949735E-05 3  
 3.32644865E-08-5.49513569E-12 1.18810204E+04 4.75184610E+01 4  
 phc3h6co 3/13/ 7 ThERMc 10h 11o 1 0G 300.000 5000.000 1390.000 41  
 2.71613488E+01 2.91354761E-02-9.96754951E-06 1.54865806E-09-8.99261089E-14 2  
 -5.73635738E+03-1.13628390E+02-2.98336368E+00 1.01996937E-01-7.78211415E-05 3  
 3.05058994E-08-4.85834625E-12 4.44407908E+03 4.73306397E+01 4  
 phhcco c 8h 6o 1 0G 300.00 5000.00 1000.00 1  
 0.16157705E+02 0.15957262E-01-0.41883004E-05 0.55646732E-09-0.30321902E-13 2  
 0.72529551E+04-0.73237762E+02-0.39635060E+01 0.66037655E-01-0.44058663E-04 3  
 0.95476143E-08 0.88439786E-12 0.13193360E+05 0.32383705E+02 4  
 phc4h7o-AB 6/3/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1398.000 31  
 2.77634636E+01 3.19566159E-02-1.10123814E-05 1.71860622E-09-1.00080496E-13 2  
 -1.33020758E+04-1.21940647E+02-1.09331808E+01 1.35517455E-01-1.19634458E-04 3  
 5.41172361E-08-9.77533378E-12-1.17987758E+03 8.12159449E+01 4  
 phc4h7o-AC 6/3/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1397.000 31  
 2.68727413E+01 3.30451034E-02-1.13692767E-05 1.77253264E-09-1.03153111E-13 2  
 -1.37466877E+04-1.19258575E+02-1.19381051E+01 1.34599283E-01-1.15212934E-04 3  
 5.06324341E-08-8.92755388E-12-1.38536367E+03 8.52713929E+01 4  
 phc4h7o-AD 6/3/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1393.000 31  
 2.67735806E+01 3.32922438E-02-1.14121606E-05 1.77600856E-09-1.03261952E-13 2  
 -2.40065331E+04-1.23307611E+02-1.49020484E+01 1.39375913E-01-1.16157940E-04 3  
 4.92331657E-08-8.36915399E-12-1.05018112E+04 9.72649566E+01 4  
 phc4h7o-BC 6/3/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1399.000 31  
 2.81822143E+01 3.17762095E-02-1.09869659E-05 1.71831813E-09-1.00207714E-13 2  
 -1.55975048E+04-1.24549093E+02-1.11353572E+01 1.38533982E-01-1.24741027E-04 3  
 5.74097944E-08-1.05130529E-11-3.41401160E+03 8.13557978E+01 4  
 phc4h7o-BD 6/3/99 ThERMc 10h 12o 1 0G 300.000 5000.000 1397.000 31  
 2.72571916E+01 3.32325698E-02-1.15453770E-05 1.81144652E-09-1.05875648E-13 2  
 -1.56401542E+04-1.22098995E+02-1.26166004E+01 1.37934000E-01-1.19416147E-04 3



5.30848234E-08-9.46958279E-12-2.92934232E+03 8.79820376E+01 4  
 phc4h7o-CD 6/3/99 THERMc 10h 12o 1 OG 300.000 5000.000 1398.000 31  
 2.82572068E+01 3.19374957E-02-1.10935110E-05 1.74034091E-09-1.01711015E-13 2  
 -1.52270909E+04-1.25367213E+02-1.17147029E+01 1.39232101E-01-1.24241424E-04 3  
 5.66912774E-08-1.03194439E-11-2.70669779E+03 8.44222263E+01 4  
 bbzoArB 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1388.000 31  
 2.71275209E+01 2.92878335E-02-9.95729149E-06 1.54079541E-09-8.92232831E-14 2  
 -5.15019198E+03-1.14509710E+02-1.45131721E+00 9.84852390E-02-7.48332899E-05 3  
 2.95583788E-08-4.77739194E-12 4.52143733E+03 3.80998227E+01 4  
 bbzoArC 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1384.000 41  
 2.71674720E+01 2.85658403E-02-9.66303733E-06 1.49114452E-09-8.62116858E-14 2  
 -1.06051985E+03-1.12055024E+02-2.29294337E+00 9.59637875E-02-6.72219479E-05 3  
 2.32495316E-08-3.15187736E-12 9.18218950E+03 4.64561835E+01 4  
 bbzoArD 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1389.000 31  
 2.77307027E+01 2.90539950E-02-9.93451275E-06 1.54299115E-09-8.95755645E-14 2  
 -7.09326682E+03-1.19107108E+02-1.65297825E+00 9.98247833E-02-7.56681639E-05 3  
 2.95616014E-08-4.70510903E-12 2.86856433E+03 3.78999453E+01 4  
 bbzoBrA 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1393.000 31  
 2.78035861E+01 2.92724310E-02-1.00668507E-05 1.56920034E-09-9.13146378E-14 2  
 -7.02234433E+03-1.18059965E+02-4.24892477E+00 1.09697278E-01-8.86087740E-05 3  
 3.69186975E-08-6.23260013E-12 3.53072779E+03 5.20771152E+01 4  
 bbzoBrC 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1393.000 31  
 2.78035861E+01 2.92724310E-02-1.00668507E-05 1.56920034E-09-9.13146378E-14 2  
 -7.02234433E+03-1.18059965E+02-4.24892477E+00 1.09697278E-01-8.86087740E-05 3  
 3.69186975E-08-6.23260013E-12 3.53072779E+03 5.20771152E+01 4  
 bbzoBrD 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1389.000 31  
 2.69914481E+01 3.01992500E-02-1.04359777E-05 1.63172923E-09-9.51468482E-14 2  
 -1.07032218E+04-1.14690142E+02-1.92355476E+00 9.93037335E-02-7.45081539E-05 3  
 2.90868467E-08-4.67049841E-12-7.86301828E+02 4.01030977E+01 4  
 bbzoCrA 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1389.000 41  
 2.61954466E+01 3.08243833E-02-1.07338513E-05 1.68675459E-09-9.86948325E-14 2  
 -2.89659689E+03-1.07193892E+02-4.31196236E+00 1.03866701E-01-7.88348384E-05 3  
 3.11398293E-08-5.06578980E-12 7.57818322E+03 5.61191396E+01 4  
 bbzoCrB 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1392.000 31  
 2.74763258E+01 2.99996223E-02-1.04142719E-05 1.63327064E-09-9.54366848E-14 2  
 -6.63505766E+03-1.16257195E+02-5.35913574E+00 1.12216376E-01-9.09362477E-05 3  
 3.81492938E-08-6.50843036E-12 4.24110764E+03 5.81775158E+01 4  
 bbzoCrD 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1388.000 21  
 2.58019471E+01 3.16459976E-02-1.09375052E-05 1.71026117E-09-9.97291859E-14 2  
 -1.11778507E+04-1.08184483E+02-2.69835730E+00 9.79814554E-02-7.04795156E-05 3  
 2.63353960E-08-4.06345875E-12-1.21141408E+03 4.50427608E+01 4  
 bbzoDrA 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1392.000 31  
 2.69825346E+01 3.02990870E-02-1.04886310E-05 1.64167111E-09-9.57899953E-14 2  
 -2.16893026E+03-1.15105971E+02-3.43458327E+00 1.06711118E-01-8.60117704E-05 3  
 3.63600071E-08-6.28926580E-12 7.92828537E+03 4.64709175E+01 4  
 bbzoDrB 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1386.000 31  
 2.75234254E+01 2.87179720E-02-9.72128806E-06 1.50077437E-09-8.67921546E-14 2  
 -3.75433505E+03-1.17202927E+02-3.11331581E+00 1.01798293E-01-7.62747889E-05 3  
 2.90399294E-08-4.45684568E-12 6.64476539E+03 4.66544830E+01 4  
 bbzoDrC 3/ 5/ 8 THERMc 10h 11o 1 OG 300.000 5000.000 1395.000 21  
 2.82121640E+01 2.95594236E-02-1.02074110E-05 1.59509692E-09-9.29709830E-14 2  
 -5.89720245E+03-1.23898366E+02-4.33429988E+00 1.14322528E-01-9.70067680E-05 3  
 4.27135297E-08-7.59464582E-12 4.57151548E+03 4.78656053E+01 4  
 !

! Naphtenes : Cyclohexane and derivates

cyc6h12 c 6h 120 00 OG 300.00 5000.00 1000.00 1  
 0.12205880E+02 0.38627610E-01-0.15332710E-04 0.28281620E-08-0.19595770E-12 2

-0.22234460E+05-0.49516510E+02 0.58143660E+00	0.26619460E-01 0.94029460E-04	3
-0.13926450E-06 0.56167110E-10-0.16809450E+05	0.21382790E+02	4
cyc6h11 c 6h 110 00 0G	300.00 5000.00 1000.00	1
0.11953160E+02 0.36054810E-01-0.14270630E-04	0.26289290E-08-0.18202300E-12	2
0.19723910E+04-0.44623210E+02-0.68057580E+00	0.34365240E-01 0.68779930E-04	3
-0.11316470E-06 0.46884340E-10 0.73025330E+04	0.29643140E+02	4
cyc6h10 c 6h 100 00 0G	300.00 5000.00 1000.00	1
0.12127550E+02 0.31138130E-01-0.11908080E-04	0.21594810E-08-0.14827150E-12	2
-0.70193130E+04-0.44330720E+02-0.65729920E+01	0.77191640E-01-0.42894120E-04	3
-0.23506380E-08 0.79949080E-11-0.15179460E+04	0.53755130E+02	4
chxone 7/ 6/ 7 TABULc 6h 10o 1 0G	300.000 5000.000 1365.000	01
2.01409395E+01 2.57209053E-02-9.15700344E-06	1.46033929E-09-8.63280581E-14	2
-3.90638994E+04-9.21920793E+01-5.98853936E+00	7.52996046E-02-3.92750855E-05	3
6.51347911E-09 4.09099765E-13-2.89073398E+04	5.21038569E+01	4
Bchxone 7/ 6/ 7 THERGc 6h 9o 1 0G	300.000 5000.000 1364.000	01
1.98908674E+01 2.34334138E-02-8.37932221E-06	1.34019256E-09-7.93844189E-14	2
-1.84840669E+04-8.91580154E+01-5.77105040E+00	7.39263584E-02-4.20232218E-05	3
9.31360769E-09-3.25017007E-13-8.66055028E+03	5.19668439E+01	4
Cchxone 7/ 6/ 7 THERGc 6h 9o 1 0G	300.000 5000.000 1366.000	01
2.01006249E+01 2.32378761E-02-8.30777911E-06	1.32857931E-09-7.86895546E-14	2
-1.52900533E+04-9.02146381E+01-5.89294288E+00	7.55823050E-02-4.49454442E-05	3
1.12086978E-08-7.47338822E-13-5.45460164E+03	5.23168219E+01	4
Dchxone 7/ 6/ 7 THERGc 6h 9o 1 0G	300.000 5000.000 1366.000	01
2.01006249E+01 2.32378761E-02-8.30777911E-06	1.32857931E-09-7.86895546E-14	2
-1.48874363E+04-9.02146381E+01-5.89294288E+00	7.55823050E-02-4.49454442E-05	3
1.12086978E-08-7.47338822E-13-5.05198463E+03	5.23168219E+01	4
chxe2oA 7/12/ 7 THERMc 6h 8o 1 0G	300.000 5000.000 1389.000	01
1.64738671E+01 2.24168067E-02-7.71546903E-06	1.20316552E-09-7.00293157E-14	2
-2.30669479E+04-6.40702200E+01-3.28988705E+00	6.70923487E-02-4.58413121E-05	3
1.58423330E-08-2.20960812E-12-1.60652763E+04	4.25853946E+01	4
chxe3oA 1/22/ 8 THERMc 6h 8o 1 0G	300.000 5000.000 1389.000	01
1.70075888E+01 2.18039074E-02-7.47148523E-06	1.16190151E-09-6.75044926E-14	2
-2.27054502E+04-6.77186475E+01-3.55106616E+00	6.96785306E-02-4.99515369E-05	3
1.82788484E-08-2.71432818E-12-1.55774108E+04	4.27046358E+01	4
Dchxe2oA 7/12/ 7 THERMc 6h 7o 1 0G	300.000 5000.000 1385.000	01
1.64620244E+01 2.03223898E-02-7.09138778E-06	1.11601952E-09-6.53713052E-14	2
-6.18497335E+03-6.54615889E+01-3.47263883E+00	6.47073687E-02-4.41084668E-05	3
1.48780039E-08-1.99321925E-12 9.41297289E+02	4.23513315E+01	4
chxqjA 4/25/ 6 thermc 6h 11o 2 0G	300.000 5000.000 1379.000	21
2.23723502e+01 2.76799389e-02-9.74217376e-06	1.54194767e-09-9.06767646e-14	2
-2.25043028e+04-9.84390954e+01-4.91663898e+00	8.36156703e-02-4.98338842e-05	3
1.27483629e-08-9.18573704e-13-1.23181790e+04	5.07734668e+01	4
chxqArC 4/25/ 6 thermc 6h 11o 2 0G	300.000 5000.000 1674.000	31
2.08646979e+01 2.96341739e-02-1.07902024e-05	1.75531891e-09-1.05423919e-13	2
-1.46988749e+04-8.61399090e+01-5.91891989e+00	8.90964037e-02-5.70299093e-05	3
1.65056839e-08-1.68121138e-12-5.68907646e+03	5.79514171e+01	4
chxo-AC 3/17/ 6 thermc 6h 10o 1 0G	300.000 5000.000 1414.000	11
1.70432456e+01 2.65572035e-02-9.13811564e-06	1.42504394e-09-8.29535921e-14	2
-1.46768181e+04-8.14912637e+01-1.38437418e+01	9.93621377e-02-7.31516433e-05	3
2.62404937e-08-3.64205396e-12-4.23721033e+03	8.37877733e+01	4
chxqAqjC 4/25/ 6 thermc 6h 11o 4 0G	300.000 5000.000 1386.000	41
2.81643825e+01 2.70787755e-02-9.55221198e-06	1.51423647e-09-8.91457979e-14	2
-3.68750235e+04-1.23417034e+02-3.28956238e+00	9.63507262e-02-6.55056629e-05	3
2.09993056e-08-2.51428587e-12-2.56520552e+04	4.68029573e+01	4
chxoAqC 4/25/ 6 thermc 6h 10o 3 0G	300.000 5000.000 1375.000	31
2.52486424e+01 2.51552832e-02-8.95050866e-06	1.42688704e-09-8.43298127e-14	2
-5.37591287e+04-1.10749938e+02-3.64313819e+00	8.69242507e-02-5.71262338e-05	3
1.75279949e-08-1.99081312e-12-4.31920585e+04	4.63883591e+01	4
chxqAqCrE 4/24/ 6 thermc 6h 11o 4 0G	300.000 5000.000 1382.000	51
2.98556800e+01 2.53932414e-02-9.01194962e-06	1.43437601e-09-8.46824672e-14	2
-3.09326307e+04-1.30765809e+02-2.43293753e+00	9.54793112e-02-6.38371965e-05	3

1.93409599e-08-2.03740537e-12-1.93630522e+04	4.42454223e+01	4
chxoAojC 5/17/ 6 thermc 6h 9o 2 OG	300.000 5000.000 1375.000	11
2.16986711e+01 2.38614849e-02-8.48934175e-06	1.35326438e-09-7.99739026e-14	2
-3.40283733e+04-9.44180650e+01-5.30175565e+00	8.18700956e-02-5.43213955e-05	3
1.70978267e-08-2.04939471e-12-2.41575982e+04	5.23731039e+01	4
Fc6oAoC 4/25/ 6 thermc 6h 9o 2 OG	300.000 5000.000 1382.000	51
2.09345242e+01 2.22272474e-02-7.78804733e-06	1.22881339e-09-7.21004849e-14	2
-2.98969519e+04-7.79763209e+01 1.34059685e+00	6.61325844e-02-4.57453535e-05	3
1.64609501e-08-2.48269478e-12-2.28102712e+04	2.80801305e+01	4
Fc6oAoE 4/25/ 6 thermc 6h 9o 2 OG	300.000 5000.000 1376.000	51
2.19565890e+01 2.06270189e-02-7.08584744e-06	1.10445464e-09-6.42897368e-14	2
-3.20609587e+04-8.23094000e+01 3.37016319e+00	6.21004146e-02-4.23516457e-05	3
1.48216677e-08-2.14166376e-12-2.53667477e+04	1.82811880e+01	4
c6e5oAqC 4/25/ 6 thermc 6h 10o 3 OG	300.000 5000.000 1392.000	61
2.43363645e+01 2.32619903e-02-7.97983925e-06	1.24156802e-09-7.21484288e-14	2
-3.80969918e+04-9.26650503e+01 2.80177520e+00	7.56142504e-02-5.75289633e-05	3
2.29396690e-08-3.76226059e-12-3.08024190e+04	2.22988631e+01	4
c6e5oAojC 4/25/ 6 thermc 6h 9o 2 OG	300.000 5000.000 1390.000	41
2.09931688e+01 2.15884936e-02-7.34654380e-06	1.13709905e-09-6.58449106e-14	2
-1.84307845e+04-7.74585397e+01 1.07403306e+00	7.07521573e-02-5.47576225e-05	3
2.23263287e-08-3.74166745e-12-1.17552653e+04	2.86231400e+01	4
Fc6e1oC 7/ 9/ 7 THERMc 6h 9o 1 OG	300.000 5000.000 1390.000	31
1.77941790E+01 2.26156567E-02-7.78874031E-06	1.21464807E-09-7.06858222E-14	2
-4.36440894E+03-6.19278418E+01 1.03319911E+00	6.28779629E-02-4.63111058E-05	3
1.86665103E-08-3.18974731E-12 1.47331193E+03	2.79101393E+01	4
c6e5oA 7/ 2/ 7 THERMc 6h 10o 1 OG	300.000 5000.000 1383.000	41
1.90412958E+01 2.30050599E-02-7.78788634E-06	1.20152256E-09-6.94292715E-14	2
-2.38992530E+04-7.04316129E+01 1.02313160E+00	6.32658964E-02-4.18421805E-05	3
1.42392074E-08-1.98692545E-12-1.74398700E+04	2.70205947E+01	4
c6e5oyA 7/ 2/ 7 THERMc 6h 9o 1 OG	300.000 5000.000 1381.000	41
1.86755649E+01 2.07953787E-02-7.03344647E-06	1.08469274E-09-6.26679896E-14	2
-4.95814253E+03-6.68115048E+01 1.79916384E+00	5.84418184E-02-3.87174054E-05	3
1.31026351E-08-1.80562030E-12 1.08843409E+03	2.44718355E+01	4
Ac6e5oC 4/25/ 6 thermc 6h 9o 1 OG	300.000 5000.000 1384.000	41
1.87405515e+01 2.18452388e-02-7.62797487e-06	1.20077764e-09-7.03414372e-14	2
-2.53801504e+03-6.91579149e+01-3.20626235e-02	6.48624436e-02-4.61011686e-05	3
1.73220569e-08-2.74331879e-12 4.16933620e+03	3.21364174e+01	4
Ac6e5oB 7/10/ 7 THERMc 6h 9o 1 OG	300.000 5000.000 1390.000	31
1.90977510E+01 2.13011920E-02-7.29398012E-06	1.13347155E-09-6.58106094E-14	2
-6.16157572E+03-7.00183773E+01 5.31389846E-01	6.62511714E-02-4.98670273E-05	3
1.98908093E-08-3.28937382E-12 1.73405398E+02	2.92114067E+01	4
chxoqjB 7/16/ 7 THERMc 6h 9o 3 OG	300.000 5000.000 1389.000	11
2.18235167E+01 2.56616429E-02-8.95975046E-06	1.41033097E-09-8.26132434E-14	2
-3.22602094E+04-8.83245153E+01-3.15851706E+00	8.71011955E-02-6.87613885E-05	3
2.87167486E-08-4.96051992E-12-2.37756626E+04	4.49497736E+01	4
DchxoqB 7/16/ 7 c 6h 9o 3 OG	300.000 5000.000 1383.000	21
2.39729354E+01 2.28467144E-02-7.88095416E-06	1.23203014E-09-7.18708768E-14	2
-2.79008320E+04-9.83092611E+01-3.28086515E+00	8.78250790E-02-6.72609695E-05	3
2.60092142E-08-4.05656612E-12-1.86211610E+04	4.75102879E+01	4
chxoqBqjD 7/16/ 7 THERMc 6h 9o 5 OG	300.000 5000.000 1387.000	31
2.89000837E+01 2.45856350E-02-9.20914362E-06	1.50507849E-09-8.99988833E-14	2
-4.73375682E+04-1.21664520E+02-9.75804263E-01	9.65244107E-02-7.64227176E-05	3
3.05177822E-08-4.95720951E-12-3.71616178E+04	3.80558046E+01	4
chxoAoBqD 7/16/ 7 THERMc 6h 8o 4 OG	300.000 5000.000 1385.000	21
2.37445708E+01 2.37581442E-02-8.33883258E-06	1.31727730E-09-7.73562152E-14	2
-6.11207104E+04-9.41106587E+01 3.33525963E-01	7.76855722E-02-5.62998963E-05	3
2.10366251E-08-3.24821093E-12-5.28533836E+04	3.19964470E+01	4
chxoAoBojD 7/16/ 7 THERMc 6h 7o 3 OG	300.000 5000.000 1381.000	01
2.04114995E+01 2.11392498E-02-7.18458009E-06	1.11213599E-09-6.44361183E-14	2
-4.13288414E+04-7.80755306E+01-7.80081717E-01	6.93584850E-02-4.83591844E-05	3
1.68045056E-08-2.31969493E-12-3.38994378E+04	3.60980151E+01	4

c6e5oAoB	7/10/ 7	THERMc	6h	8o	2	OG	300.000	5000.000	1383.000	31
	2.02823179E+01	1.98840364E-02	-6.72940195E-06	1.03860888E-09	-6.00494085E-14					2
	-3.43595857E+04	-7.47448330E+01	1.11200047E+00	6.50235386E-02	-4.75020525E-05					3
	1.78908046E-08	-2.75262547E-12	-2.77529740E+04	2.80630682E+01						4
c6e5oyAoB	7/10/ 7	THERMc	6h	7o	2	OG	300.000	5000.000	1383.000	31
	1.97791933E+01	1.79052395E-02	-6.07573469E-06	9.39399911E-10	-5.43813378E-14					2
	-1.53672616E+04	-7.03609118E+01	1.89809862E+00	6.02047539E-02	-4.44954007E-05					3
	1.69159297E-08	-2.62278003E-12	-9.22715801E+03	2.54593026E+01						4
Fc6oAoDoE	7/16/ 7	THERMc	6h	7o	3	OG	300.000	5000.000	1379.000	41
	2.16746287E+01	1.95197237E-02	-6.86394268E-06	1.08559381E-09	-6.38027709E-14					2
	-4.28217557E+04	-7.77055725E+01	4.45428478E+00	5.75707306E-02	-3.92835563E-05					3
	1.39389931E-08	-2.08471466E-12	-3.65205798E+04	1.57267486E+01						4
Fc6oAoCoD	7/16/ 7	THERMc	6h	7o	3	OG	300.000	5000.000	1381.000	41
	2.03384720E+01	2.05644976E-02	-7.20383342E-06	1.13646861E-09	-6.66754866E-14					2
	-3.85177798E+04	-6.83374662E+01	2.77679474E+00	5.87843089E-02	-3.87729241E-05					3
	1.30374827E-08	-1.81459068E-12	-3.20611285E+04	2.71066123E+01						4
Ac6e3e5oB	1/28/ 8	THERMc	6h	7o	1	OG	300.000	5000.000	1400.000	01
	1.82512010E+01	1.82389910E-02	-6.24175498E-06	9.69260995E-10	-5.62383136E-14					2
	4.55626662E+03	-6.79199728E+01	-1.50621662E+00	7.41455494E-02	-6.86556153E-05					3
	3.29106507E-08	-6.25875231E-12	1.05113127E+04	3.48448269E+01						4
chxoAoD	7/11/ 7	THERMc	6h	8o	2	OG	300.000	5000.000	1378.000	01
	1.85413375E+01	2.26700985E-02	-7.69614236E-06	1.18996880E-09	-6.88769651E-14					2
	-5.09584783E+04	-7.28728275E+01	1.33400136E+00	6.10144321E-02	-4.05803367E-05					3
	1.42597693E-08	-2.11766124E-12	-4.47158824E+04	2.03387315E+01						4
BchxoAoD		c	6h	7o	20	OG	300.00	5000.00	1000.00	1
	-0.23248880E+01	0.55698313E-01	-0.23942686E-04	0.45061199E-08	-0.31192125E-12					2
	-0.22894023E+05	0.44384457E+02	-0.33453507E+01	0.73685326E-01	-0.52156713E-04					3
	0.15648114E-07	-0.29946651E-12	-0.24250383E+05	0.43836452E+02						4
chxe2oAoD	1/11/ 8	THERMc	6h	6o	2	OG	300.000	5000.000	1387.000	01
	1.93384819E+01	1.79612008E-02	-6.29204269E-06	9.92582923E-10	-5.82302729E-14					2
	-4.30663181E+04	-8.99422860E+01	8.35232757E-01	6.63079555E-02	-5.71737769E-05					3
	2.61905962E-08	-4.89591724E-12	-3.69981999E+04	7.87649710E+00						4
c6eloCoyF	1/11/ 8	THERMc	6h	7o	2	OG	300.000	5000.000	1383.000	41
	1.90887192E+01	1.89728030E-02	-6.62944641E-06	1.04400580E-09	-6.11728695E-14					2
	-2.02542956E+04	-6.64771350E+01	3.57303474E+00	5.53324226E-02	-4.06598933E-05					3
	1.62562625E-08	-2.77280792E-12	-1.47312189E+04	1.70585776E+01						4
Echxe2oAoD	1/11/ 8	THERMc	6h	5o	2	OG	300.000	5000.000	1386.000	01
	1.92117334E+01	1.55992165E-02	-5.49576527E-06	8.70306046E-10	-5.11949245E-14					2
	-2.15629486E+04	-8.89869770E+01	1.21445215E+00	6.24343546E-02	-5.43201345E-05					3
	2.47561348E-08	-4.58221340E-12	-1.56732454E+04	6.17219538E+00						4
c6e2e5oyAoD	1/11/8	THERMc	6h	5o	2	OG	300.000	5000.000	1395.000	21
	1.92055663E+01	1.44370788E-02	-5.02195752E-06	7.88550862E-10	-4.61127848E-14					2
	-1.41670478E+04	-7.06791701E+01	7.67365025E-01	6.60681318E-02	-6.22040361E-05					3
	2.99165087E-08	-5.69252514E-12	-8.55038432E+03	2.54267681E+01						4
ch2coch2hco	4/25/6	thermc	4h	5o	2	OG	300.000	5000.000	1380.000	31
	1.65293411E+01	1.16224931E-02	-4.15199276E-06	6.63671689E-10	-3.92958990E-14					2
	-2.56430261E+04	-5.92508220E+01	4.74484919E-01	4.88653336E-02	-3.69861529E-05					3
	1.37866162E-08	-2.05188541E-12	-2.00702577E+04	2.70215377E+01						4
mch		c	7h	140	00	OG	300.00	5000.00	1000.00	1
	0.16032843E+02	0.41556634E-01	-0.15253654E-04	0.25682432E-08	-0.16428485E-12					2
	-0.27297383E+05	-0.68263153E+02	-0.71397581E+01	0.92018709E-01	-0.48060268E-04					3
	0.60013181E-08	0.18810118E-11	-0.19687607E+05	0.56093052E+02						4
mchA		c	7h	130	00	OG	300.00	5000.00	1000.00	1
	0.18745102E+02	0.33536091E-01	-0.11020515E-04	0.17194531E-08	-0.10450044E-12					2
	-0.37036836E+04	-0.80747528E+02	-0.81781883E+01	0.10220902E+00	-0.78910591E-04					3
	0.35515544E-07	-0.77645286E-11	0.45961499E+04	0.61153717E+02						4
mchB		c	7h	130	00	OG	300.00	5000.00	1000.00	1
	0.18226725E+02	0.34001533E-01	-0.11181301E-04	0.17445535E-08	-0.10598131E-12					2
	-0.39044473E+04	-0.78063835E+02	-0.71604896E+01	0.95285006E-01	-0.66128981E-04					3
	0.25637000E-07	-0.49542501E-11	0.41534663E+04	0.56743114E+02						4
mchel		c	7h	120	00	OG	300.00	5000.00	1000.00	1

0.15060380E+02	0.37898161E-01	-0.14183903E-04	0.24215905E-08	-0.15644849E-12	2					
-0.12677504E+05	-0.61389572E+02	-0.86833000E+01	0.93946613E-01	-0.55592787E-04	3					
0.98556558E-08	0.14778843E-11	-0.53404697E+04	0.64395348E+02		4					
Amchel	c	7h	110	00	0G	300.00	5000.00	1000.00	1	
0.17404659E+02	0.30097608E-01	-0.99560420E-05	0.15607695E-08	-0.95174194E-13	2					
0.16020061E+05	-0.72429604E+02	-0.91077747E+01	0.98172247E-01	-0.73716918E-04	3					
0.28454494E-07	-0.47959102E-11	0.23965514E+05	0.66728203E+02		4					
Cmchel	3/20/	7 THERMc	7h	11	0	0G	300.000	5000.000	1378.000	01
2.08937558E+01	2.74310713E-02	-9.70142706E-06	1.54045801E-09	-9.07925700E-14	2					
1.15029026E+03	-9.71642018E+01	-8.77423169E+00	8.96244858E-02	-5.61260863E-05	3					
1.56648937E-08	-1.43269456E-12	1.20774658E+04	6.45525516E+01		4					
Dmchel	2/ 5/	8 THERMc	7h	11	0	0G	300.000	5000.000	1388.000	01
1.89910647E+01	2.70108171E-02	-9.11391232E-06	1.40324272E-09	-8.09787028E-14	2					
9.83849927E+03	-7.84430104E+01	-5.28663838E+00	8.13076550E-02	-5.39191165E-05	3					
1.74857261E-08	-2.17512357E-12	1.84051850E+04	5.26248481E+01		4					
BmchohA	2/18/	8 THERMc	7h	13o	1	0G	300.000	5000.000	1380.000	21
2.30657356E+01	3.16877788E-02	-1.10160867E-05	1.72963731E-09	-1.01158572E-13	2					
-2.69546465E+04	-1.01741440E+02	-6.36697149E+00	9.22113371E-02	-5.44269434E-05	3					
1.37857102E-08	-9.56604095E-13	-1.60138653E+04	5.90798049E+01		4					
mchohAqjB	2/18/	8 THERMc	7h	13o	3	0G	300.000	5000.000	1365.000	31
2.93279985E+01	3.22920607E-02	-1.15083520E-05	1.83658115E-09	-1.08620825E-13	2					
-4.51284726E+04	-1.22660038E+02	-4.17398293E+00	9.71248829E-02	-5.30229653E-05	3					
1.04847773E-08	-4.60024965E-15	-3.22069714E+04	6.19445336E+01		4					
mchel3	3/14/	7 THERMc	7h	10	0	0G	300.000	5000.000	1396.000	01
1.92923954E+01	2.52588279E-02	-8.72529554E-06	1.36374865E-09	-7.94957151E-14	2					
-1.40142755E+03	-8.48317383E+01	-7.65649670E+00	9.46461964E-02	-7.88950593E-05	3					
3.42080991E-08	-6.00970917E-12	7.34446101E+03	5.76699707E+01		4					
mchel4	2/ 5/	8 THERMc	7h	10	0	0G	300.000	5000.000	1398.000	01
1.85160986E+01	2.54199118E-02	-8.67271533E-06	1.34443981E-09	-7.79272189E-14	2					
5.53078090E+02	-7.78909006E+01	-5.24801330E+00	8.28417557E-02	-6.20007584E-05	3					
2.39623331E-08	-3.76543318E-12	8.57104575E+03	4.89862816E+01		4					
Emchel3	7/20/	7 THERGc	7h	9	0	0G	300.000	5000.000	1000.000	01
0.17424448E+02	0.23610065E-01	-0.74200311E-05	0.11222518E-08	-0.66797120E-13	2					
0.12956387E+05	-0.71235435E+02	-0.64843688E+01	0.87589949E-01	-0.63292755E-04	3					
0.16700394E-07	0.14960171E-12	0.19561686E+05	0.52630489E+02		4					
Gmchel3	7/20/	7 THERGc	7h	9	0	0G	300.000	5000.000	1000.000	01
0.17424448E+02	0.23610065E-01	-0.74200311E-05	0.11222518E-08	-0.66797120E-13	2					
0.12956387E+05	-0.71235435E+02	-0.64843688E+01	0.87589949E-01	-0.63292755E-04	3					
0.16700394E-07	0.14960171E-12	0.19561686E+05	0.52630489E+02		4					
Fmchel4	2/ 5/	8 THERMc	7h	9	0	0G	300.000	5000.000	1396.000	01
1.83539162E+01	2.36016731E-02	-8.17488029E-06	1.28007997E-09	-7.47160506E-14	2					
1.74763765E+04	-7.84727554E+01	-5.32098299E+00	8.00106181E-02	-5.97838808E-05	3					
2.28561093E-08	-3.54874553E-12	2.55607220E+04	4.82394856E+01		4					
Gmchel4	2/ 5/	8 THERMc	7h	9	0	0G	300.000	5000.000	1396.000	01
1.83539162E+01	2.36016731E-02	-8.17488029E-06	1.28007997E-09	-7.47160506E-14	2					
1.74763765E+04	-7.84727554E+01	-5.32098299E+00	8.00106181E-02	-5.97838808E-05	3					
2.28561093E-08	-3.54874553E-12	2.55607220E+04	4.82394856E+01		4					
mchel35	7/20/	7 THERMc	7h	8	0	0G	300.000	5000.000	1418.000	01
1.71441511E+01	2.18499669E-02	-6.98272820E-06	1.03477475E-09	-5.80967365E-14	2					
1.38823407E+04	-7.05415464E+01	-5.75031772E+00	8.58740562E-02	-7.56844131E-05	3					
3.42813307E-08	-6.12890820E-12	2.06302761E+04	4.84260699E+01		4					
mchel36	7/20/	7 THERMc	7h	8	0	0G	300.000	5000.000	1399.000	01
1.93748752E+01	2.01709440E-02	-6.98618632E-06	1.09383848E-09	-6.38390397E-14	2					
9.53227711E+03	-8.67978202E+01	-6.76823744E+00	9.28079751E-02	-8.63020762E-05	3					
4.08136313E-08	-7.63343907E-12	1.74912819E+04	4.95660385E+01		4					
mcheloC	3/12/	7 THERMc	7h	10o	1	0G	300.000	5000.000	1378.000	1
2.12266028E+01	2.69354925E-02	-9.48198345E-06	1.50104169E-09	-8.82850220E-14	2					
-2.90100485E+04	-9.32089092E+01	-6.25268908E+00	8.61997765E-02	-5.66985338E-05	3					
1.79731007E-08	-2.20422220E-12	-1.89741984E+04	5.61253990E+01		4					
mchoA	7/ 6/	7 THERMc	7h	12o	1	0G	300.000	5000.000	1380.000	11
2.30009183E+01	3.00552736E-02	-1.05494953E-05	1.66687207E-09	-9.79116854E-14	2					

-4.06676816E+04-1.04625426E+02-7.78291291E+00	9.37105260E-02-5.65220116E-05	3
1.45676146E-08-1.03941037E-12-2.92799844E+04	6.34197748E+01	4
mche2oA 3/13/ 7 THERMc 7h 10o 1 OG	300.000 5000.000 1379.000	11
2.36989595E+01 2.42253466E-02-8.51470184E-06	1.34735365E-09-7.92478352E-14	2
-2.97147442E+04-1.09141641E+02-8.62093627E+00	9.69585025E-02-6.89304932E-05	3
2.32079670E-08-2.95974349E-12-1.83814837E+04	6.51434355E+01	4
chxco 7/ 6/ 7 THERMc 7h 11o 1 OG	300.000 5000.000 1379.000	11
2.25831804E+01 2.79290640E-02-9.83082645E-06	1.55622524E-09-9.15308749E-14	2
-2.17061664E+04-1.00713539E+02-6.99164752E+00	8.88386593E-02-5.33691514E-05	3
1.34458526E-08-8.66947195E-13-1.07543713E+04	6.07971099E+01	4
mche2oya 3/13/ 7 THERMc 7h 9o 1 OG	300.000 5000.000 1377.000	11
2.33432399E+01 2.20160532E-02-7.76246818E-06	1.23109129E-09-7.25288255E-14	2
-1.07814604E+04-1.05587926E+02-7.84896976E+00	9.21365945E-02-6.57792181E-05	3
2.20482092E-08-2.77311557E-12 1.47745291E+02	6.26162107E+01	4
mchoAoC 1/17/ 8 THERMc 7h 10o 2 OG	300.000 5000.000 1391.000	11
2.19070574E+01 2.80124500E-02-9.74361164E-06	1.52994312E-09-8.94693079E-14	2
-5.24416492E+04-9.11483642E+01-4.37728117E+00	8.89901239E-02-6.40754185E-05	3
2.37322101E-08-3.60606684E-12-4.32466025E+04	5.02074849E+01	4
mchoyAoC 1/17/ 8 THERMc 7h 9o 2 OG	300.000 5000.000 1390.000	11
2.15070634E+01 2.58487304E-02-9.00720569E-06	1.41604131E-09-8.28797156E-14	2
-3.34863262E+04-8.73354321E+01-3.67182353E+00	8.44457280E-02-6.13542400E-05	3
2.28424822E-08-3.47821789E-12-2.47065844E+04	4.79933076E+01	4
mchoAoD 7/ 9/ 7 THERMc 7h 10o 2 OG	300.000 5000.000 1688.000	11
2.35117587E+01 2.70890488E-02-1.02301390E-05	1.70186146E-09-1.03717705E-13	2
-5.33262218E+04-1.02188840E+02-7.68343033E+00	9.85291164E-02-6.86461525E-05	3
2.19465656E-08-2.60641551E-12-4.30239003E+04	6.48875488E+01	4
mchoyAoD 7/ 9/ 7 THERMc 7h 9o 2 OG	300.000 5000.000 1688.000	11
2.38600844E+01 2.39950114E-02-9.09612808E-06	1.51697717E-09-9.26089595E-14	2
-3.46361906E+04-1.02558478E+02-7.96945211E+00	9.92763763E-02-7.34113318E-05	3
2.51794491E-08-3.27020468E-12-2.43651022E+04	6.70426007E+01	4
AmchoD 1/18/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1382.000	11
2.12535448E+01 2.73963116E-02-9.29219857E-06	1.43613335E-09-8.31087693E-14	2
-1.77976405E+04-8.81289845E+01-3.60285612E+00	8.45280992E-02-5.93833906E-05	3
2.14533487E-08-3.17124274E-12-9.07375285E+03	4.56981571E+01	4
AmchoC 7/10/ 7 THERMc 7h 11o 1 OG	300.000 5000.000 1377.000	11
2.22932995E+01 2.80990410E-02-9.87340107E-06	1.56126093E-09-9.17608793E-14	2
-1.94231512E+04-9.75772226E+01-7.26226258E+00	9.04985130E-02-5.71089828E-05	3
1.63582268E-08-1.60431609E-12-8.57589316E+03	6.33800919E+01	4
Ec5oA c 5h 9o 10 OG	300.00 5000.00 1000.00	1
0.72201772E+01 0.32553285E-01-0.11141595E-04	0.17868643E-08-0.11056394E-12	2
-0.64682900E+04-0.31016388E+01-0.12005811E+00	0.66404425E-01-0.62320956E-04	3
0.34077246E-07-0.77417638E-11-0.55401924E+04	0.30485794E+02	4
Gc7h13-1 2/ 6/ 8 THERMc 7h 13 0 OG	300.000 5000.000 1392.000	51
2.06754243E+01 2.89092236E-02-9.83222685E-06	1.52079763E-09-8.80072255E-14	2
6.73955059E+03-7.86619546E+01-8.56743712E-01	7.77195832E-02-5.19282134E-05	3
1.80146398E-08-2.57342002E-12 1.43869941E+04	3.75421714E+01	4
c7e6oyA 7/ 6/ 7 THERMc 7h 11o 1 OG	300.000 5000.000 1385.000	51
2.16749333E+01 2.55539561E-02-8.68940781E-06	1.34434064E-09-7.78233167E-14	2
-8.98788906E+03-8.14498680E+01 1.55446095E+00	7.07896772E-02-4.73250551E-05	3
1.63377571E-08-2.32059757E-12-1.79866065E+03	2.72803735E+01	4
Gc7e1oC 1/23/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1390.000	41
2.08581715E+01 2.71260132E-02-9.32167756E-06	1.45159972E-09-8.43903625E-14	2
-8.64595388E+03-7.66423925E+01 1.13906035E+00	7.36985646E-02-5.27911191E-05	3
2.05831971E-08-3.40871501E-12-1.71838914E+03	2.92994937E+01	4
Ec5e1oC 1/23/ 8 THERMc 5h 7o 1 OG	300.000 5000.000 1386.000	31
1.50209877E+01 1.75442952E-02-6.08801290E-06	9.54283638E-10-5.57335246E-14	2
-7.01603605E+02-4.83943645E+01 1.66866314E+00	4.86967704E-02-3.49582461E-05	3
1.36714802E-08-2.28458297E-12 4.05279149E+03	2.35209132E+01	4
Ac7e6oB 1/18/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1390.000	41
2.22184015E+01 2.58711194E-02-8.87053128E-06	1.37957419E-09-8.01409740E-14	2
-1.02427146E+04-8.53427558E+01 3.39466946E-01	7.83229157E-02-5.79866787E-05	3

2.27700327E-08-3.71759514E-12-2.72080235E+03	3.17828320E+01	4
Gc7e1oD 1/18/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1388.000	51
2.09214488E+01 2.68741220E-02-9.28623780E-06	1.45153214E-09-8.46108622E-14	2
-6.11188724E+03-7.60981314E+01 2.25469174E-01	7.50916821E-02-5.34508397E-05	3
2.04818503E-08-3.32658285E-12 1.21573324E+03	3.53122182E+01	4
Ac5e4oB 7/10/ 7 THERMc 5h 7o 1 OG	300.000 5000.000 1393.000	21
1.59291526E+01 1.70758675E-02-5.90082483E-06	9.22507044E-10-5.37832664E-14	2
-1.66814869E+03-5.47187267E+01-6.01898874E-01	5.77682854E-02-4.50545922E-05	3
1.83896040E-08-3.07933583E-12 3.88844134E+03	3.33664561E+01	4
Gc7e1oF 1/23/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1388.000	51
2.25662917E+01 2.55408224E-02-8.84207267E-06	1.38397444E-09-8.07531335E-14	2
-1.04435430E+04-8.74371705E+01 5.37966984E-01	7.73369396E-02-5.63503232E-05	3
2.16863141E-08-3.48297407E-12-2.74858782E+03	3.08822076E+01	4
ech c 8h 160 00 OG	300.00 5000.00 1000.00	1
0.16793823E+02 0.49777281E-01-0.18447010E-04	0.31287934E-08-0.20127181E-12	2
-0.30306131E+05-0.69607750E+02-0.78381824E+01	0.10686623E+00-0.58971611E-04	3
0.88880414E-08 0.20630459E-11-0.22603070E+05	0.61231651E+02	4
echA c 8h 15 0 OG	300.00 5000.00 1000.00	1
0.19793590E+02 0.41191800E-01-0.13851200E-04	0.21924740E-08-0.13436080E-12	2
-0.68495640E+04-0.83545700E+02-0.87674160E+01	0.11630430E+00-0.88027770E-04	3
0.36623820E-07-0.69571410E-11 0.16374580E+04	0.65951150E+02	4
echel c 8h 140 00 OG	300.00 5000.00 1000.00	1
0.18143300E+02 0.44632620E-01-0.17021500E-04	0.29459110E-08-0.19221280E-12	2
-0.15231210E+05-0.77140530E+02-0.60180530E+01	0.98384120E-01-0.52772570E-04	3
0.66304260E-08 0.22392020E-11-0.74359980E+04	0.52048200E+02	4
Aechel c 8h 130 00 OG	300.00 5000.00 1000.00	1
0.20777645E+02 0.36194086E-01-0.12358416E-04	0.19776736E-08-0.12213041E-12	2
0.13717352E+05-0.89718239E+02-0.62715268E+01	0.10174156E+00-0.69496098E-04	3
0.24277881E-07-0.38001013E-11 0.22199223E+05	0.53638279E+02	4
Cechel 3/20/ 7 THERMc 8h 13 0 OG	300.000 5000.000 1378.000	11
2.34879070E+01 3.24267096E-02-1.14206708E-05	1.80844708E-09-1.06383079E-13	2
-3.25081047E+03-1.10214928E+02-8.58360018E+00	9.74239297E-02-5.68522186E-05	3
1.37268858E-08-7.75379706E-13 8.78002805E+03	6.53863854E+01	4
echele3 3/14/ 7 THERMc 8h 12 0 OG	300.000 5000.000 1397.000	11
2.24266330E+01 2.97553884E-02-1.02632346E-05	1.60246689E-09-9.33420445E-14	2
-5.47105093E+03-1.00195433E+02-7.82894262E+00	1.06591027E-01-8.67362697E-05	3
3.68258201E-08-6.36067560E-12 4.44810741E+03	6.01580452E+01	4
ech2oA c 8h 12o 10 OG	300.00 5000.00 1000.00	1
0.43812938E+01 0.69057718E-01-0.30892988E-04	0.59814003E-08-0.42263198E-12	2
-0.24084113E+05 0.17476349E+01-0.92768393E+01	0.10433583E+00-0.59713402E-04	3
0.11507266E-07 0.11003039E-11-0.20144287E+05	0.73004089E+02	4
echoA 7/ 6/ 7 THERMc 8h 14o 1 OG	300.000 5000.000 1369.000	21
2.68551323E+01 3.30879115E-02-1.14141643E-05	1.78451208E-09-1.04108063E-13	2
-4.50931556E+04-1.23715917E+02-6.85753812E+00	1.02752556E-01-6.15729153E-05	3
1.57487894E-08-1.09525079E-12-3.26331230E+04	6.03108464E+01	4
echoyA 7/ 6/ 7 THERMc 8h 13o 1 OG	300.000 5000.000 1368.000	21
2.63876115E+01 3.10624299E-02-1.07416862E-05	1.68215415E-09-9.82500991E-14	2
-2.61172258E+04-1.19538117E+02-6.07462026E+00	9.79246864E-02-5.85062014E-05	3
1.47128220E-08-9.48434108E-13-1.41063729E+04	5.77257461E+01	4
AechoB 7/ 6/ 7 THERMc 8h 13o 1 OG	300.000 5000.000 1382.000	21
2.71312109E+01 3.15488431E-02-1.11399882E-05	1.76706182E-09-1.04075421E-13	2
-2.74228044E+04-1.24972513E+02-8.36535798E+00	1.07892603E-01-7.05027324E-05	3
2.11685434E-08-2.25412046E-12-1.45677536E+04	6.77860255E+01	4
AechoE 1/18/ 8 THERMc 8h 13o 1 OG	300.000 5000.000 1383.000	21
2.44455673E+01 3.18187693E-02-1.07986097E-05	1.66928525E-09-9.66043783E-14	2
-2.18948244E+04-1.03829892E+02-3.91069248E+00	9.70806258E-02-6.81264766E-05	3
2.46313543E-08-3.64758870E-12-1.19498300E+04	4.88118304E+01	4
echeloE 1/25/ 8 THERMc 8h 12o 1 OG	300.000 5000.000 1385.000	11
2.37156302E+01 3.02780430E-02-1.02598619E-05	1.58450345E-09-9.16420462E-14	2
-3.08640689E+04-1.02296953E+02-5.08929091E+00	9.88733966E-02-7.32504548E-05	3
2.81693175E-08-4.43961119E-12-2.10003074E+04	5.19293489E+01	4

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AechoD      7/11/7 THERMc   8h 13o  1   OG   300.000  5000.000 1380.000   21
  2.54222225E+01 3.26665442E-02-1.14503794E-05 1.80758009E-09-1.06110460E-13   2
-2.35100750E+04-1.12954332E+02-7.45620128E+00 1.02579077E-01-6.52347179E-05   3
  1.92423668E-08-2.03442301E-12-1.14698470E+04 6.59606034E+01                   4
echoAoD     7/10/ 7 THERMc   8h 12o  2   OG   300.000  5000.000 1376.000   21
  2.66419204E+01 3.17334170E-02-1.11522861E-05 1.76360895E-09-1.03656249E-13   2
-5.81126239E+04-1.18525141E+02-5.76107057E+00 1.00316704E-01-6.36794897E-05   3
  1.87372475E-08-1.98249798E-12-4.61954637E+04 5.79489327E+01                   4
echoyAoD    7/10/ 7 THERMc   8h 11o  2   OG   300.000  5000.000 1375.000   21
  2.62205403E+01 2.96136663E-02-1.04364894E-05 1.65346981E-09-9.73071644E-14   2
-3.91501428E+04-1.14594011E+02-4.99237945E+00 9.55464584E-02-6.06849125E-05   3
  1.77182547E-08-1.83355695E-12-2.76664303E+04 5.54307623E+01                   4
!END

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! Naphtenes : Propylcyclohexane

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pch         9/ 1/ 8 THERMc   9h 18   0   OG   300.000  5000.000 1384.000   31
  2.84730177E+01 4.19125067E-02-1.45352203E-05 2.27831725E-09-1.33086957E-13   2
-3.93812957E+04-1.35369227E+02-9.38577691E+00 1.21387672E-01-7.40463429E-05   3
  2.04933154E-08-1.88604607E-12-2.54398188E+04 7.09671283E+01                   4
pchA        9/ 1/ 8 THERMc   9h 17   0   OG   300.000  5000.000 1383.000   31
  2.80463275E+01 3.97795938E-02-1.38109077E-05 2.16642959E-09-1.26618935E-13   2
-1.43116245E+04-1.30622930E+02-8.61025231E+00 1.16809198E-01-7.15343175E-05   3
  1.98376651E-08-1.82505547E-12-8.28177395E+02 6.91211322E+01                   4
pchB        9/ 1/ 8 THERMc   9h 17   0   OG   300.000  5000.000 1374.000   31
  2.78484459E+01 3.95365515E-02-1.36449677E-05 2.13266067E-09-1.24355437E-13   2
-1.56682807E+04-1.28701576E+02-8.16097495E+00 1.11675792E-01-6.23659891E-05   3
  1.36019166E-08-3.71583049E-13-2.13699916E+03 6.86575591E+01                   4
pchC        9/ 1/ 8 THERMc   9h 17   0   OG   300.000  5000.000 1374.000   31
  2.78484459E+01 3.95365515E-02-1.36449677E-05 2.13266067E-09-1.24355437E-13   2
-1.56682807E+04-1.28701576E+02-8.16097495E+00 1.11675792E-01-6.23659891E-05   3
  1.36019166E-08-3.71583049E-13-2.13699916E+03 6.86575591E+01                   4
pchD        9/ 1/ 8 THERMc   9h 17   0   OG   300.000  5000.000 1381.000   31
  2.77461334E+01 4.00281069E-02-1.38948501E-05 2.17931818E-09-1.27359816E-13   2
-1.65772630E+04-1.28565628E+02-7.37386405E+00 1.11721720E-01-6.48626198E-05   3
  1.61499389E-08-1.08431459E-12-3.43839209E+03 6.35696735E+01                   4
pchE        9/ 1/ 8 THERMc   9h 17   0   OG   300.000  5000.000 1374.000   31
  2.78484459E+01 3.95365515E-02-1.36449677E-05 2.13266067E-09-1.24355437E-13   2
-1.56682807E+04-1.29803740E+02-8.16097495E+00 1.11675792E-01-6.23659891E-05   3
  1.36019166E-08-3.71583049E-13-2.13699916E+03 6.75553950E+01                   4
pchF        9/ 1/ 8 THERMc   9h 17   0   OG   300.000  5000.000 1374.000   31
  2.78484459E+01 3.95365515E-02-1.36449677E-05 2.13266067E-09-1.24355437E-13   2
-1.56682807E+04-1.29803740E+02-8.16097495E+00 1.11675792E-01-6.23659891E-05   3
  1.36019166E-08-3.71583049E-13-2.13699916E+03 6.75553950E+01                   4
pchG        9/ 1/ 8 THERMc   9h 17   0   OG   300.000  5000.000 1374.000   31
  2.78484459E+01 3.95365515E-02-1.36449677E-05 2.13266067E-09-1.24355437E-13   2
-1.56682807E+04-1.29803740E+02-8.16097495E+00 1.11675792E-01-6.23659891E-05   3
  1.36019166E-08-3.71583049E-13-2.13699916E+03 6.75553950E+01                   4
pchqjA      3/13/ 7 THERMc   9h 17o  2   OG   300.000  5000.000 1383.000   41
  3.16230280E+01 4.19371903E-02-1.46695758E-05 2.31225430E-09-1.35583151E-13   2
-3.24177914E+04-1.44309931E+02-6.95406707E+00 1.24701375E-01-8.00365931E-05   3
  2.47724958E-08-2.94333193E-12-1.82802356E+04 6.54941830E+01                   4
pchqjB      3/13/ 7 THERMc   9h 17o  2   OG   300.000  5000.000 1385.000   41
  3.21830934E+01 4.15168096E-02-1.45363719E-05 2.29265683E-09-1.34489280E-13   2
-3.47619868E+04-1.47295114E+02-7.15229081E+00 1.27490107E-01-8.44511090E-05   3
  2.74219639E-08-3.50112633E-12-2.05103517E+04 6.60616488E+01                   4
pchqjC      3/13/ 7 THERMc   9h 17o  2   OG   300.000  5000.000 1385.000   41
  3.21830934E+01 4.15168096E-02-1.45363719E-05 2.29265683E-09-1.34489280E-13   2

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-3.47619868E+04-1.47295114E+02-7.15229081E+00	1.27490107E-01-8.44511090E-05	3
2.74219639E-08-3.50112633E-12-2.05103517E+04	6.60616488E+01	4
pchqjD	3/13/ 7 THERMc 9h 17o 2 OG 300.000 5000.000 1384.000	41
3.23447357E+01 4.13877828E-02-1.44939165E-05	2.28626131E-09-1.34126808E-13	2
-3.60115987E+04-1.48679036E+02-7.02715920E+00	1.28010595E-01-8.58610096E-05	3
2.85254752E-08-3.77924354E-12-2.17833360E+04	6.47084816E+01	4
pchqjE	3/13/ 7 THERMc 9h 17o 2 OG 300.000 5000.000 1385.000	41
3.21830934E+01 4.15168096E-02-1.45363719E-05	2.29265683E-09-1.34489280E-13	2
-3.47619868E+04-1.47295114E+02-7.15229081E+00	1.27490107E-01-8.44511090E-05	3
2.74219639E-08-3.50112633E-12-2.05103517E+04	6.60616488E+01	4
pchqjF	3/13/ 7 THERMc 9h 17o 2 OG 300.000 5000.000 1385.000	41
3.21830934E+01 4.15168096E-02-1.45363719E-05	2.29265683E-09-1.34489280E-13	2
-3.47619868E+04-1.47295114E+02-7.15229081E+00	1.27490107E-01-8.44511090E-05	3
2.74219639E-08-3.50112633E-12-2.05103517E+04	6.60616488E+01	4
pchqjG	3/13/ 7 THERMc 9h 17o 2 OG 300.000 5000.000 1385.000	41
3.21830934E+01 4.15168096E-02-1.45363719E-05	2.29265683E-09-1.34489280E-13	2
-3.47619868E+04-1.47295114E+02-7.15229081E+00	1.27490107E-01-8.44511090E-05	3
2.74219639E-08-3.50112633E-12-2.05103517E+04	6.60616488E+01	4
pchqA	3/13/7 THERMc 9h 18o 2 OG 300.000 5000.000 1384.000	51
3.40827737E+01 4.20979113E-02-1.47553153E-05	2.32897814E-09-1.36697960E-13	2
-5.16892788E+04-1.59279882E+02-7.93578250E+00	1.33612439E-01-8.83179908E-05	3
2.81277767E-08-3.44103781E-12-3.64849290E+04	6.86594700E+01	4
pchqB	3/13/7 THERMc 9h 18o 2 OG 300.000 5000.000 1386.000	51
3.46412689E+01 4.16940748E-02-1.46311791E-05	2.31114561E-09-1.35720978E-13	2
-5.40381707E+04-1.62268796E+02-8.16195742E+00	1.36500216E-01-9.28633565E-05	3
3.08619818E-08-4.01924996E-12-3.87101155E+04	6.93617676E+01	4
pchqC	3/13/7 THERMc 9h 18o 2 OG 300.000 5000.000 1386.000	51
3.46412689E+01 4.16940748E-02-1.46311791E-05	2.31114561E-09-1.35720978E-13	2
-5.40381707E+04-1.62268796E+02-8.16195742E+00	1.36500216E-01-9.28633565E-05	3
3.08619818E-08-4.01924996E-12-3.87101155E+04	6.93617676E+01	4
pchqD	3/13/7 THERMc 9h 18o 2 OG 300.000 5000.000 1385.000	51
3.48078122E+01 4.15253020E-02-1.45670855E-05	2.30054269E-09-1.35079824E-13	2
-5.52688751E+04-1.63633655E+02-8.09118304E+00	1.37530185E-01-9.52633643E-05	3
3.26454275E-08-4.45425231E-12-3.99820601E+04	6.82047142E+01	4
pchqE	3/13/7 THERMc 9h 18o 2 OG 300.000 5000.000 1386.000	51
3.46412689E+01 4.16940748E-02-1.46311791E-05	2.31114561E-09-1.35720978E-13	2
-5.40381707E+04-1.62268796E+02-8.16195742E+00	1.36500216E-01-9.28633565E-05	3
3.08619818E-08-4.01924996E-12-3.87101155E+04	6.93617676E+01	4
pchqF	3/13/7 THERMc 9h 18o 2 OG 300.000 5000.000 1386.000	51
3.46412689E+01 4.16940748E-02-1.46311791E-05	2.31114561E-09-1.35720978E-13	2
-5.40381707E+04-1.62268796E+02-8.16195742E+00	1.36500216E-01-9.28633565E-05	3
3.08619818E-08-4.01924996E-12-3.87101155E+04	6.93617676E+01	4
pchqG	3/13/7 THERMc 9h 18o 2 OG 300.000 5000.000 1386.000	51
3.46412689E+01 4.16940748E-02-1.46311791E-05	2.31114561E-09-1.35720978E-13	2
-5.40381707E+04-1.62268796E+02-8.16195742E+00	1.36500216E-01-9.28633565E-05	3
3.08619818E-08-4.01924996E-12-3.87101155E+04	6.93617676E+01	4
pchojA	3/12/ 7 THERMc 9h 17o 1 OG 300.000 5000.000 1384.000	31
3.02228506E+01 4.03939041E-02-1.40063660E-05	2.19541376E-09-1.28250730E-13	2
-3.17203484E+04-1.40352554E+02-8.87316680E+00	1.24599121E-01-7.97599850E-05	3
2.38878528E-08-2.58191932E-12-1.75584290E+04	7.19343573E+01	4
pchojB	3/12/ 7 THERMc 9h 17o 1 OG 300.000 5000.000 1389.000	31
3.05689868E+01 4.02668185E-02-1.39960773E-05	2.19703742E-09-1.28467719E-13	2
-3.39696486E+04-1.42105284E+02-9.20969674E+00	1.28280779E-01-8.59718784E-05	3
2.78885606E-08-3.47506711E-12-1.97736290E+04	7.30922227E+01	4
pchojC	3/12/ 7 THERMc 9h 17o 1 OG 300.000 5000.000 1389.000	31
3.05689868E+01 4.02668185E-02-1.39960773E-05	2.19703742E-09-1.28467719E-13	2
-3.39696486E+04-1.42105284E+02-9.20969674E+00	1.28280779E-01-8.59718784E-05	3
2.78885606E-08-3.47506711E-12-1.97736290E+04	7.30922227E+01	4
pchojD	3/12/ 7 THERMc 9h 17o 1 OG 300.000 5000.000 1387.000	31
3.07798453E+01 4.01027379E-02-1.39435456E-05	2.18931977E-09-1.28039675E-13	2
-3.52447749E+04-1.43781368E+02-8.90496670E+00	1.28019831E-01-8.61595162E-05	3

2.82196771E-08-3.58264789E-12-2.10747809E+04 7.09009225E+01 4  
 pchojE 3/12/ 7 c 9h 17o 1 0G 300.000 5000.000 1389.000 31  
 3.05689868E+01 4.02668185E-02-1.39960773E-05 2.19703742E-09-1.28467719E-13 2  
 -3.39696486E+04-1.42105284E+02-9.20969674E+00 1.28280779E-01-8.59718784E-05 3  
 2.78885606E-08-3.47506711E-12-1.97736290E+04 7.30922227E+01 4  
 pchojF 3/12/ 7 c 9h 17o 1 0G 300.000 5000.000 1389.000 31  
 3.05689868E+01 4.02668185E-02-1.39960773E-05 2.19703742E-09-1.28467719E-13 2  
 -3.39696486E+04-1.42105284E+02-9.20969674E+00 1.28280779E-01-8.59718784E-05 3  
 2.78885606E-08-3.47506711E-12-1.97736290E+04 7.30922227E+01 4  
 pchojG 3/12/ 7 c 9h 17o 1 0G 300.000 5000.000 1389.000 31  
 3.05689868E+01 4.02668185E-02-1.39960773E-05 2.19703742E-09-1.28467719E-13 2  
 -3.39696486E+04-1.42105284E+02-9.20969674E+00 1.28280779E-01-8.59718784E-05 3  
 2.78885606E-08-3.47506711E-12-1.97736290E+04 7.30922227E+01 4  
 ApchqA 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1381.000 51  
 3.36062095E+01 4.00054735E-02-1.40443926E-05 2.21910757E-09-1.30343987E-13 2  
 -2.90906726E+04-1.53453002E+02-5.59210082E+00 1.23528897E-01-7.88359011E-05 3  
 2.36536001E-08-2.61410062E-12-1.47172295E+04 5.98514671E+01 4  
 BpchqA 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1377.000 51  
 3.36753248E+01 3.99410156E-02-1.40212367E-05 2.21542584E-09-1.30127809E-13 2  
 -2.66189274E+04-1.54546979E+02-6.95664507E+00 1.28293177E-01-8.48032978E-05 3  
 2.68868016E-08-3.25634553E-12-1.19088293E+04 6.59100883E+01 4  
 CpchqA 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1377.000 51  
 3.35726224E+01 3.94812175E-02-1.37486719E-05 2.16156643E-09-1.26551239E-13 2  
 -2.79887508E+04-1.53200190E+02-6.93045979E+00 1.24681371E-01-7.73480573E-05 3  
 2.13556502E-08-1.88994598E-12-1.31453528E+04 6.73980559E+01 4  
 DpchqA 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1375.000 51  
 3.33710181E+01 4.02033739E-02-1.41122891E-05 2.22967071E-09-1.30957737E-13 2  
 -2.88968108E+04-1.52574342E+02-5.88775269E+00 1.23719540E-01-7.87203493E-05 3  
 2.35016299E-08-2.57380255E-12-1.44873126E+04 6.11078710E+01 4  
 EpchqA 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1377.000 51  
 3.35726224E+01 3.94812175E-02-1.37486719E-05 2.16156643E-09-1.26551239E-13 2  
 -2.79887508E+04-1.53200190E+02-6.93045979E+00 1.24681371E-01-7.73480573E-05 3  
 2.13556502E-08-1.88994598E-12-1.31453528E+04 6.73980559E+01 4  
 FpchqA 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1377.000 51  
 3.35726224E+01 3.94812175E-02-1.37486719E-05 2.16156643E-09-1.26551239E-13 2  
 -2.79887508E+04-1.53200190E+02-6.93045979E+00 1.24681371E-01-7.73480573E-05 3  
 2.13556502E-08-1.88994598E-12-1.31453528E+04 6.73980559E+01 4  
 GpchqA 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1377.000 51  
 3.35726224E+01 3.94812175E-02-1.37486719E-05 2.16156643E-09-1.26551239E-13 2  
 -2.79887508E+04-1.53200190E+02-6.93045979E+00 1.24681371E-01-7.73480573E-05 3  
 2.13556502E-08-1.88994598E-12-1.31453528E+04 6.73980559E+01 4  
 ApchqB 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1386.000 51  
 3.42575847E+01 3.95051040E-02-1.38834568E-05 2.19519910E-09-1.29000849E-13 2  
 -2.89732436E+04-1.57679532E+02-7.27119558E+00 1.31617958E-01-8.99972875E-05 3  
 3.00077251E-08-3.91622623E-12-1.41220851E+04 6.69960979E+01 4  
 BpchqB 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1382.000 51  
 3.32178361E+01 4.03491132E-02-1.41647325E-05 2.23797857E-09-1.31443080E-13 2  
 -3.22773892E+04-1.49883552E+02-4.73746547E+00 1.20713786E-01-7.61106277E-05 3  
 2.26116304E-08-2.48169920E-12-1.82761436E+04 5.68919266E+01 4  
 CpchqB 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1386.000 51  
 3.42269217E+01 3.95315783E-02-1.38926536E-05 2.19663889E-09-1.29084773E-13 2  
 -2.89601492E+04-1.57484641E+02-7.21379935E+00 1.31370730E-01-8.96991607E-05 3  
 2.98603117E-08-3.88992551E-12-1.41305643E+04 6.67458861E+01 4  
 DpchqB 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1384.000 51  
 3.39362487E+01 3.97732020E-02-1.39745682E-05 2.20925389E-09-1.29811671E-13 2  
 -3.12416491E+04-1.55586270E+02-6.17206954E+00 1.26922222E-01-8.37845423E-05 3  
 2.65640204E-08-3.22393074E-12-1.67051913E+04 6.20678521E+01 4  
 EpchqB 03/07 THERMc 9h 17o 2 0G 300.000 5000.000 1381.000 51  
 3.40261447E+01 3.91510735E-02-1.36447307E-05 2.14620416E-09-1.25686284E-13 2  
 -3.02711970E+04-1.55538528E+02-7.50571480E+00 1.29365084E-01-8.49457148E-05 3  
 2.61175818E-08-2.93195225E-12-1.53231062E+04 6.96724793E+01 4

FpchqB	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05		2.14620416E-09	-1.25686284E-13		2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00		1.29365084E-01	-8.49457148E-05		3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04		6.96724793E+01			4
GpchqB	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05		2.14620416E-09	-1.25686284E-13		2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00		1.29365084E-01	-8.49457148E-05		3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04		6.96724793E+01			4
ApchqC	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1386.000	51
3.42364091E+01	3.95250966E-02	-1.38908291E-05		2.19640198E-09	-1.29073079E-13		2
-2.89762145E+04	-1.57643874E+02	-7.40730066E+00		1.32001449E-01	-9.04410599E-05		3
3.02414833E-08	-3.96231768E-12	-1.40950698E+04		6.76145893E+01			4
BpchqC	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1386.000	51
3.42269217E+01	3.95315783E-02	-1.38926536E-05		2.19663889E-09	-1.29084773E-13		2
-2.89601492E+04	-1.57484641E+02	-7.21379935E+00		1.31370730E-01	-8.96991607E-05		3
2.98603117E-08	-3.88992551E-12	-1.41305643E+04		6.67458861E+01			4
CpchqC	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1382.000	51
3.32178361E+01	4.03491132E-02	-1.41647325E-05		2.23797857E-09	-1.31443080E-13		2
-3.22773892E+04	-1.49883552E+02	-4.73746547E+00		1.20713786E-01	-7.61106277E-05		3
2.26116304E-08	-2.48169920E-12	-1.82761436E+04		5.68919266E+01			4
DpchqC	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1384.000	51
3.39362487E+01	3.97732020E-02	-1.39745682E-05		2.20925389E-09	-1.29811671E-13		2
-3.12416491E+04	-1.55586270E+02	-6.17206954E+00		1.26922222E-01	-8.37845423E-05		3
2.65640204E-08	-3.22393074E-12	-1.67051913E+04		6.20678521E+01			4
EpchqC	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05		2.14620416E-09	-1.25686284E-13		2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00		1.29365084E-01	-8.49457148E-05		3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04		6.96724793E+01			4
FpchqC	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05		2.14620416E-09	-1.25686284E-13		2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00		1.29365084E-01	-8.49457148E-05		3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04		6.96724793E+01			4
GpchqC	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05		2.14620416E-09	-1.25686284E-13		2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00		1.29365084E-01	-8.49457148E-05		3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04		6.96724793E+01			4
ApchqD	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1385.000	51
3.44001765E+01	3.93715903E-02	-1.38348269E-05		2.18735378E-09	-1.28534170E-13		2
-3.02093559E+04	-1.59001338E+02	-7.31445512E+00		1.32914612E-01	-9.26481534E-05		3
3.19053106E-08	-4.37176465E-12	-1.53698834E+04		6.63590408E+01			4
BpchqD	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40573899E+01	3.92895799E-02	-1.37272385E-05		2.16256090E-09	-1.26775088E-13		2
-3.14819269E+04	-1.56215031E+02	-6.98425007E+00		1.28258850E-01	-8.40995448E-05		3
2.59694666E-08	-2.96299850E-12	-1.66595299E+04		6.64564675E+01			4
CpchqD	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1384.000	51
3.43938147E+01	3.93700434E-02	-1.38327209E-05		2.18685855E-09	-1.28498511E-13		2
-3.01950173E+04	-1.58860515E+02	-7.10374501E+00		1.32171435E-01	-9.17031943E-05		3
3.13814122E-08	-4.26511996E-12	-1.54070383E+04		6.54179861E+01			4
EpchqD	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1384.000	51
3.43938147E+01	3.93700434E-02	-1.38327209E-05		2.18685855E-09	-1.28498511E-13		2
-3.01950173E+04	-1.58860515E+02	-7.10374501E+00		1.32171435E-01	-9.17031943E-05		3
3.13814122E-08	-4.26511996E-12	-1.54070383E+04		6.54179861E+01			4
FpchqD	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40573899E+01	3.92895799E-02	-1.37272385E-05		2.16256090E-09	-1.26775088E-13		2
-3.14819269E+04	-1.56215031E+02	-6.98425007E+00		1.28258850E-01	-8.40995448E-05		3
2.59694666E-08	-2.96299850E-12	-1.66595299E+04		6.64564675E+01			4
GpchqD	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1381.000	51
3.40573899E+01	3.92895799E-02	-1.37272385E-05		2.16256090E-09	-1.26775088E-13		2
-3.14819269E+04	-1.56215031E+02	-6.98425007E+00		1.28258850E-01	-8.40995448E-05		3
2.59694666E-08	-2.96299850E-12	-1.66595299E+04		6.64564675E+01			4
ApchqE	03/07 THERMc	9h 17o 2	OG	300.000	5000.000	1386.000	51

3.42364091E+01	3.95250966E-02	-1.38908291E-05	2.19640198E-09	-1.29073079E-13	2
-2.89762145E+04	-1.57643874E+02	-7.40730066E+00	1.32001449E-01	-9.04410599E-05	3
3.02414833E-08	-3.96231768E-12	-1.40950698E+04	6.76145893E+01		4
BpchqE	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05	2.14620416E-09	-1.25686284E-13	2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00	1.29365084E-01	-8.49457148E-05	3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04	6.96724793E+01		4
CpchqE	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05	2.14620416E-09	-1.25686284E-13	2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00	1.29365084E-01	-8.49457148E-05	3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04	6.96724793E+01		4
DpchqE	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1384.000	51
3.39362487E+01	3.97732020E-02	-1.39745682E-05	2.20925389E-09	-1.29811671E-13	2
-3.12416491E+04	-1.55586270E+02	-6.17206954E+00	1.26922222E-01	-8.37845423E-05	3
2.65640204E-08	-3.22393074E-12	-1.67051913E+04	6.20678521E+01		4
EpchqE	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1382.000	51
3.32178361E+01	4.03491132E-02	-1.41647325E-05	2.23797857E-09	-1.31443080E-13	2
-3.22773892E+04	-1.49883552E+02	-4.73746547E+00	1.20713786E-01	-7.61106277E-05	3
2.26116304E-08	-2.48169920E-12	-1.82761436E+04	5.68919266E+01		4
FpchqE	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1386.000	51
3.42269217E+01	3.95315783E-02	-1.38926536E-05	2.19663889E-09	-1.29084773E-13	2
-2.89601492E+04	-1.57484641E+02	-7.21379935E+00	1.31370730E-01	-8.96991607E-05	3
2.98603117E-08	-3.88992551E-12	-1.41305643E+04	6.67458861E+01		4
GpchqE	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05	2.14620416E-09	-1.25686284E-13	2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00	1.29365084E-01	-8.49457148E-05	3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04	6.96724793E+01		4
HpchqE	6/29/ 7 THERMc	9h 17o 2	OG	300.000 5000.000 1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05	2.14620416E-09	-1.25686284E-13	2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00	1.29365084E-01	-8.49457148E-05	3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04	6.96724793E+01		4
ApchqF	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1386.000	51
3.42364091E+01	3.95250966E-02	-1.38908291E-05	2.19640198E-09	-1.29073079E-13	2
-2.89762145E+04	-1.57643874E+02	-7.40730066E+00	1.32001449E-01	-9.04410599E-05	3
3.02414833E-08	-3.96231768E-12	-1.40950698E+04	6.76145893E+01		4
BpchqF	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05	2.14620416E-09	-1.25686284E-13	2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00	1.29365084E-01	-8.49457148E-05	3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04	6.96724793E+01		4
CpchqF	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1381.000	51
3.40261447E+01	3.91510735E-02	-1.36447307E-05	2.14620416E-09	-1.25686284E-13	2
-3.02711970E+04	-1.55538528E+02	-7.50571480E+00	1.29365084E-01	-8.49457148E-05	3
2.61175818E-08	-2.93195225E-12	-1.53231062E+04	6.96724793E+01		4
DpchqF	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1384.000	51
3.39362487E+01	3.97732020E-02	-1.39745682E-05	2.20925389E-09	-1.29811671E-13	2
-3.12416491E+04	-1.55586270E+02	-6.17206954E+00	1.26922222E-01	-8.37845423E-05	3
2.65640204E-08	-3.22393074E-12	-1.67051913E+04	6.20678521E+01		4
EpchqF	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1386.000	51
3.42269217E+01	3.95315783E-02	-1.38926536E-05	2.19663889E-09	-1.29084773E-13	2
-2.89601492E+04	-1.57484641E+02	-7.21379935E+00	1.31370730E-01	-8.96991607E-05	3
2.98603117E-08	-3.88992551E-12	-1.41305643E+04	6.67458861E+01		4
FpchqF	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1382.000	51
3.32178361E+01	4.03491132E-02	-1.41647325E-05	2.23797857E-09	-1.31443080E-13	2
-3.22773892E+04	-1.49883552E+02	-4.73746547E+00	1.20713786E-01	-7.61106277E-05	3
2.26116304E-08	-2.48169920E-12	-1.82761436E+04	5.68919266E+01		4
GpchqF	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1386.000	51
3.42269217E+01	3.95315783E-02	-1.38926536E-05	2.19663889E-09	-1.29084773E-13	2
-2.89601492E+04	-1.57484641E+02	-7.21379935E+00	1.31370730E-01	-8.96991607E-05	3
2.98603117E-08	-3.88992551E-12	-1.41305643E+04	6.67458861E+01		4
ApchqG	03/07 THERMc	9h 17o 2	OG	300.000 5000.000 1386.000	51
3.42364091E+01	3.95250966E-02	-1.38908291E-05	2.19640198E-09	-1.29073079E-13	2

-2.89762145E+04-1.57643874E+02-7.40730066E+00	1.32001449E-01-9.04410599E-05	3
3.02414833E-08-3.96231768E-12-1.40950698E+04	6.76145893E+01	4
BpchqG 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1381.000	51
3.40261447E+01 3.91510735E-02-1.36447307E-05	2.14620416E-09-1.25686284E-13	2
-3.02711970E+04-1.55538528E+02-7.50571480E+00	1.29365084E-01-8.49457148E-05	3
2.61175818E-08-2.93195225E-12-1.53231062E+04	6.96724793E+01	4
CpchqG 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1381.000	51
3.40261447E+01 3.91510735E-02-1.36447307E-05	2.14620416E-09-1.25686284E-13	2
-3.02711970E+04-1.55538528E+02-7.50571480E+00	1.29365084E-01-8.49457148E-05	3
2.61175818E-08-2.93195225E-12-1.53231062E+04	6.96724793E+01	4
DpchqG 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1384.000	51
3.39362487E+01 3.97732020E-02-1.39745682E-05	2.20925389E-09-1.29811671E-13	2
-3.12416491E+04-1.55586270E+02-6.17206954E+00	1.26922222E-01-8.37845423E-05	3
2.65640204E-08-3.22393074E-12-1.67051913E+04	6.20678521E+01	4
EpchqG 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1381.000	51
3.40261447E+01 3.91510735E-02-1.36447307E-05	2.14620416E-09-1.25686284E-13	2
-3.02711970E+04-1.55538528E+02-7.50571480E+00	1.29365084E-01-8.49457148E-05	3
2.61175818E-08-2.93195225E-12-1.53231062E+04	6.96724793E+01	4
FpchqG 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1386.000	51
3.42269217E+01 3.95315783E-02-1.38926536E-05	2.19663889E-09-1.29084773E-13	2
-2.89601492E+04-1.57484641E+02-7.21379935E+00	1.31370730E-01-8.96991607E-05	3
2.98603117E-08-3.88992551E-12-1.41305643E+04	6.67458861E+01	4
GpchqG 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1382.000	51
3.32178361E+01 4.03491132E-02-1.41647325E-05	2.23797857E-09-1.31443080E-13	2
-3.22773892E+04-1.49883552E+02-4.73746547E+00	1.20713786E-01-7.61106277E-05	3
2.26116304E-08-2.48169920E-12-1.82761436E+04	5.68919266E+01	4
IpchqE 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1381.000	51
3.40261447E+01 3.91510735E-02-1.36447307E-05	2.14620416E-09-1.25686284E-13	2
-3.02711970E+04-1.55538528E+02-7.50571480E+00	1.29365084E-01-8.49457148E-05	3
2.61175818E-08-2.93195225E-12-1.53231062E+04	6.96724793E+01	4
HpchqF 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1381.000	51
3.40261447E+01 3.91510735E-02-1.36447307E-05	2.14620416E-09-1.25686284E-13	2
-3.02711970E+04-1.55538528E+02-7.50571480E+00	1.29365084E-01-8.49457148E-05	3
2.61175818E-08-2.93195225E-12-1.53231062E+04	6.96724793E+01	4
IpchqF 03/07 THERMc 9h 17o 2 OG	300.000 5000.000 1381.000	51
3.40261447E+01 3.91510735E-02-1.36447307E-05	2.14620416E-09-1.25686284E-13	2
-3.02711970E+04-1.55538528E+02-7.50571480E+00	1.29365084E-01-8.49457148E-05	3
2.61175818E-08-2.93195225E-12-1.53231062E+04	6.96724793E+01	4
pchqAqjA 3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1383.000	61
3.87701785E+01 4.05701001E-02-1.43031099E-05	2.26632396E-09-1.33375118E-13	2
-5.02059409E+04-1.78442518E+02-4.87933903E+00	1.37095241E-01-9.38266116E-05	3
3.12582966E-08-4.07841164E-12-3.45540224E+04	5.78332859E+01	4
pchqAqjB 3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	61
3.81049259E+01 4.11317992E-02-1.44955247E-05	2.29616943E-09-1.35103697E-13	2
-4.71649911E+04-1.74006007E+02-5.93360030E+00	1.40400470E-01-9.91173253E-05	3
3.48669995E-08-4.93342448E-12-3.15131689E+04	6.37892936E+01	4
pchqAqjC 3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	61
3.81049259E+01 4.11317992E-02-1.44955247E-05	2.29616943E-09-1.35103697E-13	2
-4.71649911E+04-1.74006007E+02-5.93360030E+00	1.40400470E-01-9.91173253E-05	3
3.48669995E-08-4.93342448E-12-3.15131689E+04	6.37892936E+01	4
pchqAqjD 3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1383.000	61
3.82335586E+01 4.10708568E-02-1.44853761E-05	2.29573156E-09-1.35124995E-13	2
-4.84018806E+04-1.75199519E+02-5.42284740E+00	1.39331650E-01-9.82798741E-05	3
3.46545750E-08-4.93579150E-12-3.28478713E+04	6.06240574E+01	4
pchqAqjE 3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	61
3.81049259E+01 4.11317992E-02-1.44955247E-05	2.29616943E-09-1.35103697E-13	2
-4.71649911E+04-1.74006007E+02-5.93360030E+00	1.40400470E-01-9.91173253E-05	3
3.48669995E-08-4.93342448E-12-3.15131689E+04	6.37892936E+01	4
pchqAqjF 3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	61
3.81049259E+01 4.11317992E-02-1.44955247E-05	2.29616943E-09-1.35103697E-13	2
-4.71649911E+04-1.74006007E+02-5.93360030E+00	1.40400470E-01-9.91173253E-05	3

	3.48669995E-08-4.93342448E-12-3.15131689E+04	6.37892936E+01	4
pchqAqjG	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	61
	3.81049259E+01 4.11317992E-02-1.44955247E-05	2.29616943E-09-1.35103697E-13	2
	-4.71649911E+04-1.74006007E+02-5.93360030E+00	1.40400470E-01-9.91173253E-05	3
	3.48669995E-08-4.93342448E-12-3.15131689E+04	6.37892936E+01	4
pchqBqjA	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	61
	3.81049259E+01 4.11317992E-02-1.44955247E-05	2.29616943E-09-1.35103697E-13	2
	-4.71649911E+04-1.74006007E+02-5.93360030E+00	1.40400470E-01-9.91173253E-05	3
	3.48669995E-08-4.93342448E-12-3.15131689E+04	6.37892936E+01	4
pchqBqjB	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1382.000	61
	3.84063258E+01 4.09609297E-02-1.44561917E-05	2.29213299E-09-1.34955672E-13	2
	-5.18124253E+04-1.76675679E+02-4.78260868E+00	1.36374920E-01-9.34049806E-05	3
	3.14495162E-08-4.20537333E-12-3.62660118E+04	5.72251048E+01	4
pchqBqjC	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4
pchqBqjD	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	61
	3.88373944E+01 4.05106382E-02-1.42813385E-05	2.26273461E-09-1.33156480E-13	2
	-5.07396104E+04-1.78381883E+02-6.08974001E+00	1.44286101E-01-1.05987354E-04	3
	3.93031929E-08-5.92080896E-12-3.50091691E+04	6.33456442E+01	4
pchqBqjE	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4
pchqBqjF	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4
pchqBqjG	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4
pchqCqjA	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	61
	3.81049259E+01 4.11317992E-02-1.44955247E-05	2.29616943E-09-1.35103697E-13	2
	-4.71649911E+04-1.74006007E+02-5.93360030E+00	1.40400470E-01-9.91173253E-05	3
	3.48669995E-08-4.93342448E-12-3.15131689E+04	6.37892936E+01	4
pchqCqjB	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4
pchqCqjC	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1382.000	61
	3.84063258E+01 4.09609297E-02-1.44561917E-05	2.29213299E-09-1.34955672E-13	2
	-5.18124253E+04-1.76675679E+02-4.78260868E+00	1.36374920E-01-9.34049806E-05	3
	3.14495162E-08-4.20537333E-12-3.62660118E+04	5.72251048E+01	4
pchqCqjD	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	61
	3.88373944E+01 4.05106382E-02-1.42813385E-05	2.26273461E-09-1.33156480E-13	2
	-5.07396104E+04-1.78381883E+02-6.08974001E+00	1.44286101E-01-1.05987354E-04	3
	3.93031929E-08-5.92080896E-12-3.50091691E+04	6.33456442E+01	4
pchqCqjE	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4
pchqCqjF	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4
pchqCqjG	3/7 THERMc 9h 17o 4 OG	300.000 5000.000 1386.000	61
	3.87112327E+01 4.05677748E-02-1.42898047E-05	2.26287206E-09-1.33116180E-13	2
	-4.95010770E+04-1.77195990E+02-6.53459910E+00	1.45105767E-01-1.06481256E-04	3
	3.93124023E-08-5.87499986E-12-3.36856930E+04	6.61961691E+01	4

pchqDqjA	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1383.000	61
3.82335586E+01	4.10708568E-02	-1.44853761E-05		2.29573156E-09	-1.35124995E-13		2
-4.84018806E+04	-1.75199519E+02	-5.42284740E+00		1.39331650E-01	-9.82798741E-05		3
3.46545750E-08	-4.93579150E-12	-3.28478713E+04		6.06240574E+01			4
pchqDqjB	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05		2.26273461E-09	-1.33156480E-13		2
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00		1.44286101E-01	-1.05987354E-04		3
3.93031929E-08	-5.92080896E-12	-3.50091691E+04		6.33456442E+01			4
pchqDqjC	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05		2.26273461E-09	-1.33156480E-13		2
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00		1.44286101E-01	-1.05987354E-04		3
3.93031929E-08	-5.92080896E-12	-3.50091691E+04		6.33456442E+01			4
pchqDqjE	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05		2.26273461E-09	-1.33156480E-13		2
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00		1.44286101E-01	-1.05987354E-04		3
3.93031929E-08	-5.92080896E-12	-3.50091691E+04		6.33456442E+01			4
pchqDqjF	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05		2.26273461E-09	-1.33156480E-13		2
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00		1.44286101E-01	-1.05987354E-04		3
3.93031929E-08	-5.92080896E-12	-3.50091691E+04		6.33456442E+01			4
pchqDqjG	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05		2.26273461E-09	-1.33156480E-13		2
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00		1.44286101E-01	-1.05987354E-04		3
3.93031929E-08	-5.92080896E-12	-3.50091691E+04		6.33456442E+01			4
pchqEqjA	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1384.000	61
3.81049259E+01	4.11317992E-02	-1.44955247E-05		2.29616943E-09	-1.35103697E-13		2
-4.71649911E+04	-1.74006007E+02	-5.93360030E+00		1.40400470E-01	-9.91173253E-05		3
3.48669995E-08	-4.93342448E-12	-3.15131689E+04		6.37892936E+01			4
pchqEqjB	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05		2.26287206E-09	-1.33116180E-13		2
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00		1.45105767E-01	-1.06481256E-04		3
3.93124023E-08	-5.87499986E-12	-3.36856930E+04		6.61961691E+01			4
pchqEqjC	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05		2.26287206E-09	-1.33116180E-13		2
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00		1.45105767E-01	-1.06481256E-04		3
3.93124023E-08	-5.87499986E-12	-3.36856930E+04		6.61961691E+01			4
pchqEqjD	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05		2.26273461E-09	-1.33156480E-13		2
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00		1.44286101E-01	-1.05987354E-04		3
3.93031929E-08	-5.92080896E-12	-3.50091691E+04		6.33456442E+01			4
pchqEqjE	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1382.000	61
3.84063258E+01	4.09609297E-02	-1.44561917E-05		2.29213299E-09	-1.34955672E-13		2
-5.18124253E+04	-1.76675679E+02	-4.78260868E+00		1.36374920E-01	-9.34049806E-05		3
3.14495162E-08	-4.20537333E-12	-3.62660118E+04		5.72251048E+01			4
pchqEqjF	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05		2.26287206E-09	-1.33116180E-13		2
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00		1.45105767E-01	-1.06481256E-04		3
3.93124023E-08	-5.87499986E-12	-3.36856930E+04		6.61961691E+01			4
pchqEqjG	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05		2.26287206E-09	-1.33116180E-13		2
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00		1.45105767E-01	-1.06481256E-04		3
3.93124023E-08	-5.87499986E-12	-3.36856930E+04		6.61961691E+01			4
pchqEqjH	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05		2.26287206E-09	-1.33116180E-13		2
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00		1.45105767E-01	-1.06481256E-04		3
3.93124023E-08	-5.87499986E-12	-3.36856930E+04		6.61961691E+01			4
pchqEqjI	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05		2.26287206E-09	-1.33116180E-13		2
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00		1.45105767E-01	-1.06481256E-04		3
3.93124023E-08	-5.87499986E-12	-3.36856930E+04		6.61961691E+01			4
pchqFqjA	3/7 THERMc	9h 17o 4	OG	300.000	5000.000	1384.000	61

3.81049259E+01	4.11317992E-02	-1.44955247E-05	2.29616943E-09	-1.35103697E-13	2	
-4.71649911E+04	-1.74006007E+02	-5.93360030E+00	1.40400470E-01	-9.91173253E-05	3	
3.48669995E-08	-4.93342448E-12	-3.15131689E+04	6.37892936E+01		4	
pchqFqjB	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqFqjC	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqFqjD	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05	2.26273461E-09	-1.33156480E-13	2	
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00	1.44286101E-01	-1.05987354E-04	3	
3.93031929E-08	-5.92080896E-12	-3.50091691E+04	6.33456442E+01		4	
pchqFqjE	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqFqjF	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1382.000	61
3.84063258E+01	4.09609297E-02	-1.44561917E-05	2.29213299E-09	-1.34955672E-13	2	
-5.18124253E+04	-1.76675679E+02	-4.78260868E+00	1.36374920E-01	-9.34049806E-05	3	
3.14495162E-08	-4.20537333E-12	-3.62660118E+04	5.72251048E+01		4	
pchqFqjG	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqFqjH	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqFqjI	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqGqjA	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1384.000	61
3.81049259E+01	4.11317992E-02	-1.44955247E-05	2.29616943E-09	-1.35103697E-13	2	
-4.71649911E+04	-1.74006007E+02	-5.93360030E+00	1.40400470E-01	-9.91173253E-05	3	
3.48669995E-08	-4.93342448E-12	-3.15131689E+04	6.37892936E+01		4	
pchqGqjB	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqGqjC	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqGqjD	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1385.000	61
3.88373944E+01	4.05106382E-02	-1.42813385E-05	2.26273461E-09	-1.33156480E-13	2	
-5.07396104E+04	-1.78381883E+02	-6.08974001E+00	1.44286101E-01	-1.05987354E-04	3	
3.93031929E-08	-5.92080896E-12	-3.50091691E+04	6.33456442E+01		4	
pchqGqjE	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqGqjF	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1386.000	61
3.87112327E+01	4.05677748E-02	-1.42898047E-05	2.26287206E-09	-1.33116180E-13	2	
-4.95010770E+04	-1.77195990E+02	-6.53459910E+00	1.45105767E-01	-1.06481256E-04	3	
3.93124023E-08	-5.87499986E-12	-3.36856930E+04	6.61961691E+01		4	
pchqGqjG	3/7 THERMc	9h 17o 4 OG	300.000	5000.000	1382.000	61
3.84063258E+01	4.09609297E-02	-1.44561917E-05	2.29213299E-09	-1.34955672E-13	2	



-5.18124253E+04-1.76675679E+02-4.78260868E+00 1.36374920E-01-9.34049806E-05 3  
3.14495162E-08-4.20537333E-12-3.62660118E+04 5.72251048E+01 4  
pchoAqB 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1385.000 51  
3.60041124E+01 3.82305872E-02-1.34922970E-05 2.13937170E-09-1.25967486E-13 2  
-6.31979770E+04-1.66852768E+02-7.54497288E+00 1.35901362E-01-9.53692576E-05 3  
3.26210071E-08-4.37867058E-12-4.77565209E+04 6.83308968E+01 4  
pchoAqC 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1383.000 51  
3.54183172E+01 3.86794591E-02-1.36350232E-05 2.16028027E-09-1.27126034E-13 2  
-6.35743002E+04-1.63022748E+02-5.63517108E+00 1.29436139E-01-8.85263032E-05 3  
2.95917939E-08-3.89452626E-12-4.88330773E+04 5.92397970E+01 4  
pchoAqD 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1382.000 51  
3.56268779E+01 3.84375171E-02-1.35375267E-05 2.14362448E-09-1.26098872E-13 2  
-6.48244012E+04-1.64632632E+02-5.58024101E+00 1.30329031E-01-9.04824647E-05 3  
3.09800547E-08-4.22230357E-12-5.00973963E+04 5.81974395E+01 4  
pchoAqE 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1383.000 51  
3.54183172E+01 3.86794591E-02-1.36350232E-05 2.16028027E-09-1.27126034E-13 2  
-6.35743002E+04-1.63022748E+02-5.63517108E+00 1.29436139E-01-8.85263032E-05 3  
2.95917939E-08-3.89452626E-12-4.88330773E+04 5.92397970E+01 4  
pchoBqA 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1377.000 51  
3.45423705E+01 3.93797596E-02-1.38678694E-05 2.19579279E-09-1.29162487E-13 2  
-6.41105543E+04-1.57736445E+02-4.28035245E+00 1.21770138E-01-7.78852699E-05 3  
2.36702638E-08-2.71934488E-12-4.97843861E+04 5.37405608E+01 4  
pchoBqC 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1384.000 51  
3.57387617E+01 3.85307913E-02-1.36130699E-05 2.16006889E-09-1.27248920E-13 2  
-6.69618309E+04-1.65030306E+02-8.02752406E+00 1.36075042E-01-9.46811974E-05 3  
3.19941241E-08-4.22702552E-12-5.13746504E+04 7.15567510E+01 4  
pchoBqD 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1381.000 51  
3.53316003E+01 3.88146134E-02-1.36961130E-05 2.17139117E-09-1.27838874E-13 2  
-6.85851522E+04-1.62659477E+02-5.93281566E+00 1.29960072E-01-8.90438617E-05 3  
2.99454835E-08-3.99290499E-12-5.37360218E+04 6.08146165E+01 4  
pchoBqE 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1382.000 51  
3.51553632E+01 3.89760420E-02-1.37542051E-05 2.18069421E-09-1.28389588E-13 2  
-6.73381091E+04-1.61211598E+02-6.10463182E+00 1.29567195E-01-8.77834598E-05 3  
2.89332438E-08-3.73615105E-12-5.24536398E+04 6.24016070E+01 4  
pchoBqF 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1382.000 51  
3.51553632E+01 3.89760420E-02-1.37542051E-05 2.18069421E-09-1.28389588E-13 2  
-6.73381091E+04-1.61211598E+02-6.10463182E+00 1.29567195E-01-8.77834598E-05 3  
2.89332438E-08-3.73615105E-12-5.24536398E+04 6.24016070E+01 4  
pchoCqA 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1382.000 51  
3.47609050E+01 3.92768837E-02-1.38506246E-05 2.19499605E-09-1.29192624E-13 2  
-6.50372651E+04-1.59053077E+02-6.96718720E+00 1.31261428E-01-8.95098395E-05 3  
2.98164088E-08-3.91166864E-12-5.00186252E+04 6.69708292E+01 4  
pchoCqB 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1386.000 51  
3.59005225E+01 3.83732904E-02-1.35542140E-05 2.15040486E-09-1.26666744E-13 2  
-6.69917206E+04-1.65805689E+02-9.16115578E+00 1.40954267E-01-1.01512745E-04 3  
3.59742680E-08-5.05944501E-12-5.11603790E+04 7.70173186E+01 4  
pchoCqD 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1381.000 51  
3.62202481E+01 3.80963583E-02-1.34580959E-05 2.13538810E-09-1.25793350E-13 2  
-6.75747238E+04-1.68570592E+02-6.84169726E+00 1.32922613E-01-9.07484901E-05 3  
2.97368110E-08-3.75065544E-12-5.21319350E+04 6.46031112E+01 4  
pchoCqE 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1384.000 51  
3.53167408E+01 3.88186972E-02-1.36953604E-05 2.17102710E-09-1.27807024E-13 2  
-6.73678674E+04-1.61984919E+02-7.24189292E+00 1.34459115E-01-9.46311111E-05 3  
3.29219143E-08-4.57018221E-12-5.22387244E+04 6.78797117E+01 4  
pchoCqF 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1384.000 51  
3.53167408E+01 3.88186972E-02-1.36953604E-05 2.17102710E-09-1.27807024E-13 2  
-6.73678674E+04-1.61984919E+02-7.24189292E+00 1.34459115E-01-9.46311111E-05 3  
3.29219143E-08-4.57018221E-12-5.22387244E+04 6.78797117E+01 4  
pchoCqG 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1384.000 51  
3.53167408E+01 3.88186972E-02-1.36953604E-05 2.17102710E-09-1.27807024E-13 2  
-6.73678674E+04-1.61984919E+02-7.24189292E+00 1.34459115E-01-9.46311111E-05 3

	3.29219143E-08-4.57018221E-12-5.22387244E+04	6.78797117E+01	4
pchoEqA	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1382.000	51
	3.47609050E+01 3.92768837E-02-1.38506246E-05	2.19499605E-09-1.29192624E-13	2
	-6.50372651E+04-1.59053077E+02-6.96718720E+00	1.31261428E-01-8.95098395E-05	3
	2.98164088E-08-3.91166864E-12-5.00186252E+04	6.69708292E+01	4
pchoEqB	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1384.000	51
	3.54604392E+01 3.86959002E-02-1.36536832E-05	2.16466163E-09-1.27444267E-13	2
	-6.74010940E+04-1.63153128E+02-7.68443440E+00	1.34143986E-01-9.19671694E-05	3
	3.03894379E-08-3.88132795E-12-5.19757473E+04	7.03071106E+01	4
pchoEqC	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1384.000	51
	3.54604392E+01 3.86959002E-02-1.36536832E-05	2.16466163E-09-1.27444267E-13	2
	-6.74010940E+04-1.63153128E+02-7.68443440E+00	1.34143986E-01-9.19671694E-05	3
	3.03894379E-08-3.88132795E-12-5.19757473E+04	7.03071106E+01	4
pchoEqD	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1381.000	51
	3.62202481E+01 3.80963583E-02-1.34580959E-05	2.13538810E-09-1.25793350E-13	2
	-6.75747238E+04-1.68570592E+02-6.84169726E+00	1.32922613E-01-9.07484901E-05	3
	2.97368110E-08-3.75065544E-12-5.21319350E+04	6.46031112E+01	4
pchoEqF	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1386.000	51
	3.59005225E+01 3.83732904E-02-1.35542140E-05	2.15040486E-09-1.26666744E-13	2
	-6.69917206E+04-1.65805689E+02-9.16115578E+00	1.40954267E-01-1.01512745E-04	3
	3.59742680E-08-5.05944501E-12-5.11603790E+04	7.70173186E+01	4
pchoEqG	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1384.000	51
	3.54604392E+01 3.86959002E-02-1.36536832E-05	2.16466163E-09-1.27444267E-13	2
	-6.74010940E+04-1.63153128E+02-7.68443440E+00	1.34143986E-01-9.19671694E-05	3
	3.03894379E-08-3.88132795E-12-5.19757473E+04	7.03071106E+01	4
pchoEqH	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1384.000	51
	3.54604392E+01 3.86959002E-02-1.36536832E-05	2.16466163E-09-1.27444267E-13	2
	-6.74010940E+04-1.63153128E+02-7.68443440E+00	1.34143986E-01-9.19671694E-05	3
	3.03894379E-08-3.88132795E-12-5.19757473E+04	7.03071106E+01	4
pchoEqI	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1384.000	51
	3.53167408E+01 3.88186972E-02-1.36953604E-05	2.17102710E-09-1.27807024E-13	2
	-6.73678674E+04-1.61984919E+02-7.24189292E+00	1.34459115E-01-9.46311111E-05	3
	3.29219143E-08-4.57018221E-12-5.22387244E+04	6.78797117E+01	4
pchoFqA	1/18/ 8 THERMc 9h 16o 3 OG	300.000 5000.000 1387.000	51
	3.29226252E+01 3.98938423E-02-1.38460372E-05	2.17096339E-09-1.26828581E-13	2
	-6.31147077E+04-1.45160864E+02-3.40007112E+00	1.26059354E-01-9.37301842E-05	3
	3.67027009E-08-5.97698432E-12-5.05092309E+04	4.96572984E+01	4
pchoFqB	1/18/ 8 THERMc 9h 16o 3 OG	300.000 5000.000 1389.000	51
	3.33308396E+01 3.97264416E-02-1.38265948E-05	2.17180713E-09-1.27031126E-13	2
	-6.54098027E+04-1.47305849E+02-3.41652788E+00	1.28211454E-01-9.75421014E-05	3
	3.92025235E-08-6.54266798E-12-5.27702689E+04	4.93534953E+01	4
pchoFqC	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1382.000	51
	3.50177888E+01 3.90903869E-02-1.37923120E-05	2.18643936E-09-1.28713840E-13	2
	-6.73685902E+04-1.60079929E+02-5.68277543E+00	1.29966069E-01-9.05658942E-05	3
	3.15367537E-08-4.44045528E-12-5.27736506E+04	6.00717648E+01	4
pchoFqD	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1381.000	51
	3.53152855E+01 3.86564231E-02-1.36032357E-05	2.15288509E-09-1.26598552E-13	2
	-6.86358861E+04-1.62155349E+02-5.88189922E+00	1.31915876E-01-9.39410727E-05	3
	3.36650282E-08-4.90298598E-12-5.39980620E+04	6.02185837E+01	4
pchoFqE	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1383.000	51
	3.55977670E+01 3.86489215E-02-1.36526624E-05	2.16606343E-09-1.27588365E-13	2
	-6.69921969E+04-1.63882170E+02-7.63142319E+00	1.36560517E-01-9.75749100E-05	3
	3.46599553E-08-4.94404674E-12-5.16899654E+04	6.93522537E+01	4
pchoFqG	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1383.000	51
	3.55977670E+01 3.86489215E-02-1.36526624E-05	2.16606343E-09-1.27588365E-13	2
	-6.69921969E+04-1.63882170E+02-7.63142319E+00	1.36560517E-01-9.75749100E-05	3
	3.46599553E-08-4.94404674E-12-5.16899654E+04	6.93522537E+01	4
pchoFqH	3/7 THERMc 9h 16o 3 OG	300.000 5000.000 1382.000	51
	3.50177888E+01 3.90903869E-02-1.37923120E-05	2.18643936E-09-1.28713840E-13	2
	-6.73685902E+04-1.60079929E+02-5.68277543E+00	1.29966069E-01-9.05658942E-05	3
	3.15367537E-08-4.44045528E-12-5.27736506E+04	6.00717648E+01	4

pchoFqI 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1382.000 51  
3.50177888E+01 3.90903869E-02-1.37923120E-05 2.18643936E-09-1.28713840E-13 2  
-6.73685902E+04-1.60079929E+02-5.68277543E+00 1.29966069E-01-9.05658942E-05 3  
3.15367537E-08-4.44045528E-12-5.27736506E+04 6.00717648E+01 4  
pchoGqC 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1382.000 51  
3.50177888E+01 3.90903869E-02-1.37923120E-05 2.18643936E-09-1.28713840E-13 2  
-6.73685902E+04-1.60079929E+02-5.68277543E+00 1.29966069E-01-9.05658942E-05 3  
3.15367537E-08-4.44045528E-12-5.27736506E+04 6.00717648E+01 4  
pchoGqD 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1381.000 51  
3.53152855E+01 3.86564231E-02-1.36032357E-05 2.15288509E-09-1.26598552E-13 2  
-6.86358861E+04-1.62155349E+02-5.88189922E+00 1.31915876E-01-9.39410727E-05 3  
3.36650282E-08-4.90298598E-12-5.39980620E+04 6.02185837E+01 4  
pchoGqE 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1382.000 51  
3.50177888E+01 3.90903869E-02-1.37923120E-05 2.18643936E-09-1.28713840E-13 2  
-6.73685902E+04-1.60079929E+02-5.68277543E+00 1.29966069E-01-9.05658942E-05 3  
3.15367537E-08-4.44045528E-12-5.27736506E+04 6.00717648E+01 4  
pchoGqF 3/7 THERMc 9h 16o 3 OG 300.000 5000.000 1383.000 51  
3.55977670E+01 3.86489215E-02-1.36526624E-05 2.16606343E-09-1.27588365E-13 2  
-6.69921969E+04-1.63882170E+02-7.63142319E+00 1.36560517E-01-9.75749100E-05 3  
3.46599553E-08-4.94404674E-12-5.16899654E+04 6.93522537E+01 4  
pchoAojB 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1387.000 31  
3.18793908E+01 3.69208333E-02-1.29131413E-05 2.03554451E-09-1.19373722E-13 2  
-4.31232839E+04-1.46426234E+02-8.61940325E+00 1.27785937E-01-8.86858133E-05 3  
2.98451834E-08-3.89302486E-12-2.88152244E+04 7.21900319E+01 4  
pchoAojC 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1382.000 31  
3.17551987E+01 3.65156332E-02-1.26659126E-05 1.98618859E-09-1.16077385E-13 2  
-4.36353515E+04-1.45096835E+02-7.05396458E+00 1.22615922E-01-8.31809978E-05 3  
2.71571545E-08-3.38995619E-12-2.98355378E+04 6.47312322E+01 4  
pchoAojD 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1376.000 31  
3.24922185E+01 3.54571717E-02-1.22211900E-05 1.90968946E-09-1.11373084E-13 2  
-4.51016281E+04-1.49686515E+02-6.65522485E+00 1.21735047E-01-8.19810905E-05 3  
2.62607642E-08-3.16057501E-12-3.11471571E+04 6.21376407E+01 4  
pchoBojA 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1370.000 31  
3.12891981E+01 3.66206702E-02-1.26527078E-05 1.98009787E-09-1.15593449E-13 2  
-4.43508711E+04-1.42143559E+02-5.11681883E+00 1.12173173E-01-6.80036432E-05 3  
1.82008457E-08-1.51273830E-12-3.08714619E+04 5.65658179E+01 4  
pchoBojC 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1386.000 31  
3.14751123E+01 3.75073671E-02-1.31688001E-05 2.08096752E-09-1.22240539E-13 2  
-4.68556746E+04-1.43868178E+02-8.79004704E+00 1.26671791E-01-8.62984755E-05 3  
2.83589342E-08-3.59092992E-12-3.24824950E+04 7.39544965E+01 4  
pchoBojD 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1379.000 31  
3.17714011E+01 3.64963808E-02-1.26625263E-05 1.98634031E-09-1.16124165E-13 2  
-4.86930098E+04-1.45319937E+02-7.10354497E+00 1.21968523E-01-8.18527265E-05 3  
2.63166093E-08-3.21839547E-12-3.47744557E+04 6.51698910E+01 4  
pchoBojE 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1383.000 31  
3.11399327E+01 3.74490628E-02-1.30736158E-05 2.05835508E-09-1.20612097E-13 2  
-4.72899647E+04-1.41366897E+02-7.36025190E+00 1.22195666E-01-8.20505052E-05 3  
2.66074923E-08-3.32197151E-12-3.34838437E+04 6.71097066E+01 4  
pchoCojA 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1381.000 31  
3.08879018E+01 3.75002436E-02-1.30583185E-05 2.05277587E-09-1.20165568E-13 2  
-4.50407108E+04-1.39995337E+02-8.00117998E+00 1.22753967E-01-8.18452386E-05 3  
2.61436986E-08-3.17445152E-12-3.10789752E+04 7.06802702E+01 4  
pchoCojB 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1388.000 31  
3.16014094E+01 3.74304959E-02-1.31488327E-05 2.07851854E-09-1.22124507E-13 2  
-4.68810314E+04-1.44462309E+02-9.77629517E+00 1.30905043E-01-9.22140702E-05 3  
3.18255976E-08-4.32183702E-12-3.22905801E+04 7.87315532E+01 4  
pchoCojD 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1379.000 31  
3.26059863E+01 3.58538055E-02-1.24569515E-05 1.95604115E-09-1.14436016E-13 2  
-4.76638469E+04-1.50927707E+02-7.94735698E+00 1.24667246E-01-8.32678040E-05 3  
2.59945527E-08-2.96299872E-12-3.31803839E+04 6.86544089E+01 4  
pchoCojE 7/ 6/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1386.000 31

3.10163286E+01	3.78760823E-02	-1.32897797E-05	2.09907800E-09	-1.23259710E-13	2
-4.72548347E+04	-1.40630326E+02	-7.84832341E+00	1.24390913E-01	-8.53170354E-05	3
2.87665379E-08	-3.83121702E-12	-3.33708020E+04	6.95493571E+01		4
pchoCojF	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	31
3.10163286E+01	3.78760823E-02	-1.32897797E-05	2.09907800E-09	-1.23259710E-13	2
-4.72548347E+04	-1.40630326E+02	-7.84832341E+00	1.24390913E-01	-8.53170354E-05	3
2.87665379E-08	-3.83121702E-12	-3.33708020E+04	6.95493571E+01		4
pchoEojA	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1381.000	31
3.08879018E+01	3.75002436E-02	-1.30583185E-05	2.05277587E-09	-1.20165568E-13	2
-4.50407108E+04	-1.39995337E+02	-8.00117998E+00	1.22753967E-01	-8.18452386E-05	3
2.61436986E-08	-3.17445152E-12	-3.10789752E+04	7.06802702E+01		4
pchoEojB	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	31
3.10163286E+01	3.78760823E-02	-1.32897797E-05	2.09907800E-09	-1.23259710E-13	2
-4.72548347E+04	-1.40630326E+02	-7.84832341E+00	1.24390913E-01	-8.53170354E-05	3
2.87665379E-08	-3.83121702E-12	-3.33708020E+04	6.95493571E+01		4
pchoEojC	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	31
3.10163286E+01	3.78760823E-02	-1.32897797E-05	2.09907800E-09	-1.23259710E-13	2
-4.72548347E+04	-1.40630326E+02	-7.84832341E+00	1.24390913E-01	-8.53170354E-05	3
2.87665379E-08	-3.83121702E-12	-3.33708020E+04	6.95493571E+01		4
pchoEojD	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1379.000	31
3.26059863E+01	3.58538055E-02	-1.24569515E-05	1.95604115E-09	-1.14436016E-13	2
-4.76638469E+04	-1.50927707E+02	-7.94735698E+00	1.24667246E-01	-8.32678040E-05	3
2.59945527E-08	-2.96299872E-12	-3.31803839E+04	6.86544089E+01		4
pchoEojF	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1388.000	31
3.16014094E+01	3.74304959E-02	-1.31488327E-05	2.07851854E-09	-1.22124507E-13	2
-4.68810314E+04	-1.44462309E+02	-9.77629517E+00	1.30905043E-01	-9.22140702E-05	3
3.18255976E-08	-4.32183702E-12	-3.22905801E+04	7.87315532E+01		4
pchoEojG	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	31
3.10163286E+01	3.78760823E-02	-1.32897797E-05	2.09907800E-09	-1.23259710E-13	2
-4.72548347E+04	-1.40630326E+02	-7.84832341E+00	1.24390913E-01	-8.53170354E-05	3
2.87665379E-08	-3.83121702E-12	-3.33708020E+04	6.95493571E+01		4
pchoEojH	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	31
3.10163286E+01	3.78760823E-02	-1.32897797E-05	2.09907800E-09	-1.23259710E-13	2
-4.72548347E+04	-1.40630326E+02	-7.84832341E+00	1.24390913E-01	-8.53170354E-05	3
2.87665379E-08	-3.83121702E-12	-3.33708020E+04	6.95493571E+01		4
pchoEojI	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	31
3.10163286E+01	3.78760823E-02	-1.32897797E-05	2.09907800E-09	-1.23259710E-13	2
-4.72548347E+04	-1.40630326E+02	-7.84832341E+00	1.24390913E-01	-8.53170354E-05	3
2.87665379E-08	-3.83121702E-12	-3.33708020E+04	6.95493571E+01		4
pchoFojA	1/18/ 8 THERMc	9h 15o 2 OG	300.000	5000.000 1383.000	31
3.00305086E+01	3.64947792E-02	-1.23456070E-05	1.90472253E-09	-1.10094240E-13	2
-4.34851703E+04	-1.31564603E+02	-4.35983830E+00	1.16804160E-01	-8.40227685E-05	3
3.10749566E-08	-4.68706021E-12	-3.15729226E+04	5.30921518E+01		4
pchoFojB	1/18/ 8 THERMc	9h 15o 2 OG	300.000	5000.000 1391.000	31
2.95117939E+01	3.78373634E-02	-1.29808829E-05	2.01973827E-09	-1.17369763E-13	2
-4.54201246E+04	-1.28526047E+02	-4.76906418E+00	1.21156716E-01	-9.20121615E-05	3
3.67886302E-08	-6.06810075E-12	-3.37837182E+04	5.45290159E+01		4
pchoFojC	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1377.000	31
3.19009713E+01	3.60497703E-02	-1.24436090E-05	1.94612905E-09	-1.13559812E-13	2
-4.76390228E+04	-1.45211811E+02	-7.14073681E+00	1.23059233E-01	-8.45179002E-05	3
2.82664646E-08	-3.68211530E-12	-3.37652600E+04	6.57878374E+01		4
pchoFojD	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1377.000	31
3.19926235E+01	3.60295345E-02	-1.24487159E-05	1.94813423E-09	-1.13723880E-13	2
-4.88565730E+04	-1.46187664E+02	-6.64101400E+00	1.22013398E-01	-8.36945432E-05	3
2.80464601E-08	-3.67855667E-12	-3.50975586E+04	6.26792748E+01		4
pchoFojE	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1385.000	31
3.16081628E+01	3.70743610E-02	-1.29502506E-05	2.03977541E-09	-1.19559642E-13	2
-4.69497751E+04	-1.44173520E+02	-8.89378408E+00	1.29235573E-01	-9.18978258E-05	3
3.23479211E-08	-4.52842262E-12	-3.27197642E+04	7.40872295E+01		4
pchoFojG	7/ 6/ 7 THERMc	9h 15o 2 OG	300.000	5000.000 1385.000	31
3.16081628E+01	3.70743610E-02	-1.29502506E-05	2.03977541E-09	-1.19559642E-13	2

-4.69497751E+04-1.44173520E+02-8.89378408E+00	1.29235573E-01-9.18978258E-05	3
3.23479211E-08-4.52842262E-12-3.27197642E+04	7.40872295E+01	4
pchoFojH 7/ 6/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1377.000	31
3.19009713E+01 3.60497703E-02-1.24436090E-05	1.94612905E-09-1.13559812E-13	2
-4.76390228E+04-1.45211811E+02-7.14073681E+00	1.23059233E-01-8.45179002E-05	3
2.82664646E-08-3.68211530E-12-3.37652600E+04	6.57878374E+01	4
pchoFojI 7/ 6/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1377.000	31
3.19009713E+01 3.60497703E-02-1.24436090E-05	1.94612905E-09-1.13559812E-13	2
-4.76390228E+04-1.45211811E+02-7.14073681E+00	1.23059233E-01-8.45179002E-05	3
2.82664646E-08-3.68211530E-12-3.37652600E+04	6.57878374E+01	4
pchoGojD 7/ 6/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1377.000	31
3.19926235E+01 3.60295345E-02-1.24487159E-05	1.94813423E-09-1.13723880E-13	2
-4.88565730E+04-1.46187664E+02-6.64101400E+00	1.22013398E-01-8.36945432E-05	3
2.80464601E-08-3.67855667E-12-3.50975586E+04	6.26792748E+01	4
pchoGojE 7/ 6/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1377.000	31
3.19009713E+01 3.60497703E-02-1.24436090E-05	1.94612905E-09-1.13559812E-13	2
-4.76390228E+04-1.45211811E+02-7.14073681E+00	1.23059233E-01-8.45179002E-05	3
2.82664646E-08-3.68211530E-12-3.37652600E+04	6.57878374E+01	4
pchoGojF 7/ 6/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1385.000	31
3.16081628E+01 3.70743610E-02-1.29502506E-05	2.03977541E-09-1.19559642E-13	2
-4.69497751E+04-1.44173520E+02-8.89378408E+00	1.29235573E-01-9.18978258E-05	3
3.23479211E-08-4.52842262E-12-3.27197642E+04	7.40872295E+01	4
ApchohB 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1389.000	41
3.02199926E+01 4.00075858E-02-1.38770782E-05	2.17533378E-09-1.27075848E-13	2
-3.51907796E+04-1.37673925E+02-8.53544797E+00	1.25938803E-01-8.44205835E-05	3
2.75191639E-08-3.46357878E-12-2.13732267E+04	7.19314902E+01	4
BpchohA 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 2047.000	41
2.56451664E+01 4.48380133E-02-1.59315165E-05	2.55101854E-09-1.51583145E-13	2
-3.18512866E+04-1.09908973E+02-8.63800115E+00	1.21717072E-01-7.68626023E-05	3
2.26898348E-08-2.45892009E-12-2.03470861E+04	7.43046234E+01	4
BpchohC 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1383.000	41
3.00236718E+01 3.97548661E-02-1.37052134E-05	2.14031654E-09-1.24724978E-13	2
-3.65458956E+04-1.35758686E+02-8.18910002E+00	1.21242170E-01-7.58790623E-05	3
2.16536553E-08-2.08801343E-12-2.26659304E+04	7.19488858E+01	4
CpchohB 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1383.000	41
3.00236718E+01 3.97548661E-02-1.37052134E-05	2.14031654E-09-1.24724978E-13	2
-3.65458956E+04-1.35758686E+02-8.18910002E+00	1.21242170E-01-7.58790623E-05	3
2.16536553E-08-2.08801343E-12-2.26659304E+04	7.19488858E+01	4
CpchohD 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1374.000	41
3.10490524E+01 3.81609625E-02-1.30176873E-05	2.02033115E-09-1.17276619E-13	2
-3.80890645E+04-1.41894013E+02-7.82997644E+00	1.20431499E-01-7.43820544E-05	3
2.02338172E-08-1.67644530E-12-2.39705350E+04	6.95511391E+01	4
DpchohC 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1387.000	41
2.99217965E+01 4.02534436E-02-1.39599176E-05	2.18803268E-09-1.27805036E-13	2
-3.74574020E+04-1.35628358E+02-7.30301599E+00	1.20867243E-01-7.77706056E-05	3
2.38440141E-08-2.72551087E-12-2.39828011E+04	6.63986860E+01	4
DpchohE 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1387.000	41
2.99217965E+01 4.02534436E-02-1.39599176E-05	2.18803268E-09-1.27805036E-13	2
-3.74574020E+04-1.35628358E+02-7.30301599E+00	1.20867243E-01-7.77706056E-05	3
2.38440141E-08-2.72551087E-12-2.39828011E+04	6.63986860E+01	4
EpchohD 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1374.000	41
3.10490524E+01 3.81609625E-02-1.30176873E-05	2.02033115E-09-1.17276619E-13	2
-3.80890645E+04-1.41894013E+02-7.82997644E+00	1.20431499E-01-7.43820544E-05	3
2.02338172E-08-1.67644530E-12-2.39705350E+04	6.95511391E+01	4
EpchohF 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1383.000	41
3.00236718E+01 3.97548661E-02-1.37052134E-05	2.14031654E-09-1.24724978E-13	2
-3.65458956E+04-1.35758686E+02-8.18910002E+00	1.21242170E-01-7.58790623E-05	3
2.16536553E-08-2.08801343E-12-2.26659304E+04	7.19488858E+01	4
FpchohE 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1383.000	41
3.00236718E+01 3.97548661E-02-1.37052134E-05	2.14031654E-09-1.24724978E-13	2
-3.65458956E+04-1.35758686E+02-8.18910002E+00	1.21242170E-01-7.58790623E-05	3

2.16536553E-08-2.08801343E-12-2.26659304E+04	7.19488858E+01	4
FpchohG 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1383.000	41
3.00236718E+01 3.97548661E-02-1.37052134E-05	2.14031654E-09-1.24724978E-13	2
-3.65458956E+04-1.35758686E+02-8.18910002E+00	1.21242170E-01-7.58790623E-05	3
2.16536553E-08-2.08801343E-12-2.26659304E+04	7.19488858E+01	4
GpchohF 3/14/7 THERMc 9h 17o 1 OG	300.000 5000.000 1383.000	41
3.00236718E+01 3.97548661E-02-1.37052134E-05	2.14031654E-09-1.24724978E-13	2
-3.65458956E+04-1.35758686E+02-8.18910002E+00	1.21242170E-01-7.58790623E-05	3
2.16536553E-08-2.08801343E-12-2.26659304E+04	7.19488858E+01	4
pcho-AB 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1392.000	21
2.98551182E+01 3.89919310E-02-1.36094001E-05	2.14217184E-09-1.25494113E-13	2
-3.79485735E+04-1.41976147E+02-1.10554380E+01	1.30886249E-01-9.03730800E-05	3
3.03747148E-08-3.96443137E-12-2.35022065E+04	7.88291612E+01	4
pcho-BC 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1394.000	21
3.04531276E+01 3.84533819E-02-1.34166359E-05	2.11133779E-09-1.23668080E-13	2
-4.02897035E+04-1.45136931E+02-1.16739868E+01	1.35616260E-01-9.77570059E-05	3
3.48435486E-08-4.91480433E-12-2.56704620E+04	8.13293604E+01	4
pcho-CD 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1393.000	21
3.05545002E+01 3.84412393E-02-1.34286502E-05	2.11488712E-09-1.23942037E-13	2
-4.15175899E+04-1.46180944E+02-1.11529136E+01	1.34518456E-01-9.69099340E-05	3
3.46504977E-08-4.92610509E-12-2.70070721E+04	7.81133839E+01	4
pcho-DE 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1390.000	31
3.10732539E+01 3.77916570E-02-1.32537400E-05	2.09281916E-09-1.22872459E-13	2
-4.17682012E+04-1.49201214E+02-1.11332577E+01	1.34211978E-01-9.60359873E-05	3
3.38410465E-08-4.71383243E-12-2.70055324E+04	7.80606566E+01	4
pcho-EF 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1392.000	31
3.09645440E+01 3.78170025E-02-1.32477104E-05	2.09034417E-09-1.22666457E-13	2
-4.05378153E+04-1.48116790E+02-1.16499989E+01	1.35296862E-01-9.68742695E-05	3
3.40361405E-08-4.70435374E-12-2.56697205E+04	8.12553983E+01	4
pcho-FG 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1392.000	31
3.09645440E+01 3.78170025E-02-1.32477104E-05	2.09034417E-09-1.22666457E-13	2
-4.05378153E+04-1.48116790E+02-1.16499989E+01	1.35296862E-01-9.68742695E-05	3
3.40361405E-08-4.70435374E-12-2.56697205E+04	8.12553983E+01	4
pcho-AC 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1393.000	11
2.95401099E+01 3.97106821E-02-1.38638839E-05	2.18263234E-09-1.27881596E-13	2
-3.85138692E+04-1.43042805E+02-1.34516561E+01	1.37295717E-01-9.65100823E-05	3
3.31293152E-08-4.43667690E-12-2.34514362E+04	8.86058362E+01	4
pcho-AD 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1391.000	01
2.96586989E+01 3.98271632E-02-1.38615497E-05	2.17810872E-09-1.27458343E-13	2
-5.01542754E+04-1.45612522E+02-1.46986029E+01	1.40841430E-01-9.96268588E-05	3
3.43393650E-08-4.60613754E-12-3.46715164E+04	9.32364140E+01	4
pcho-AE 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1398.000	01
2.88803084E+01 3.90170600E-02-1.32733600E-05	2.05541149E-09-1.19102947E-13	2
-5.12609367E+04-1.54989343E+02-1.73470759E+01	1.49140662E-01-1.11863344E-04	3
4.13751864E-08-6.00244747E-12-3.57210592E+04	9.20233664E+01	4
pcho-AF 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1376.000	01
3.08923300E+01 4.01077000E-02-1.42582856E-05	2.27175685E-09-1.34209685E-13	2
-5.00445865E+04-1.58815902E+02-1.53274239E+01	1.39436805E-01-9.22998161E-05	3
2.86361338E-08-3.30911283E-12-3.32024014E+04	9.23652648E+01	4
pcho-BD 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1394.000	11
3.02545248E+01 3.91296454E-02-1.36688664E-05	2.15273197E-09-1.26161726E-13	2
-4.20854955E+04-1.47325588E+02-1.35836913E+01	1.41089628E-01-1.03279197E-04	3
3.75340607E-08-5.42345941E-12-2.69513760E+04	8.80479871E+01	4
pcho-BE 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1393.000	11
3.03968141E+01 3.91945330E-02-1.37344915E-05	2.16765081E-09-1.27225001E-13	2
-5.14411456E+04-1.49252450E+02-1.52289437E+01	1.43988922E-01-1.03887088E-04	3
3.66275461E-08-5.05724452E-12-3.55963079E+04	9.61238085E+01	4
pcho-BF 3/14/7 THERMc 9h 16o 1 OG	300.000 5000.000 1391.000	11
3.06985721E+01 3.91914601E-02-1.37914878E-05	2.18275531E-09-1.28360745E-13	2
-5.48885133E+04-1.55024513E+02-1.66096149E+01	1.47221622E-01-1.05924112E-04	3
3.69704796E-08-5.02302509E-12-3.84011267E+04	9.96161929E+01	4

pcho-BG	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1376.000	11
	3.20472387E+01	3.88387639E-02	-1.38524992E-05	2.21187684E-09	-1.30867305E-13					2
	-5.26391282E+04	-1.65183523E+02	-1.57378441E+01	1.43061373E-01	-9.75814020E-05					3
	3.14856652E-08	-3.85811900E-12	-3.53991405E+04	9.39292899E+01						4
pcho-CE	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1393.000	21
	3.06661802E+01	3.85028132E-02	-1.34867410E-05	2.12797229E-09	-1.24872199E-13					2
	-4.11037949E+04	-1.49264739E+02	-1.40397517E+01	1.41726656E-01	-1.03059096E-04					3
	3.68139191E-08	-5.17947021E-12	-2.56214031E+04	9.09911028E+01						4
pcho-CF	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1391.000	21
	3.09186005E+01	3.85373445E-02	-1.35558654E-05	2.14489078E-09	-1.26110644E-13					2
	-5.16914544E+04	-1.52286543E+02	-1.52029511E+01	1.43659619E-01	-1.02977403E-04					3
	3.57913122E-08	-4.83795706E-12	-3.55959091E+04	9.60404169E+01						4
pcho-CG	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1389.000	21
	3.12351605E+01	3.85044240E-02	-1.35989054E-05	2.15744834E-09	-1.27083582E-13					2
	-5.51418207E+04	-1.58135875E+02	-1.65863406E+01	1.46902511E-01	-1.05010808E-04					3
	3.61135780E-08	-4.79540103E-12	-3.84003655E+04	9.95452556E+01						4
pcho-DF	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1390.000	31
	3.13021253E+01	3.78110656E-02	-1.33100318E-05	2.10695425E-09	-1.23917679E-13					2
	-4.25872119E+04	-1.53415323E+02	-1.35171292E+01	1.40385442E-01	-1.01404441E-04					3
	3.58325213E-08	-4.97938409E-12	-2.69533332E+04	8.78095243E+01						4
pcho-DG	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1387.000	31
	3.15754751E+01	3.78061860E-02	-1.33610026E-05	2.12058231E-09	-1.24946617E-13					2
	-5.31795146E+04	-1.56547203E+02	-1.46755625E+01	1.42305028E-01	-1.01286180E-04					3
	3.47675651E-08	-4.62443868E-12	-3.69289114E+04	9.28343936E+01						4
pcho-EG	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1391.000	31
	3.11877702E+01	3.78453455E-02	-1.33079213E-05	2.10517200E-09	-1.23755096E-13					2
	-4.13543005E+04	-1.52298363E+02	-1.40214599E+01	1.41423611E-01	-1.02182763E-04					3
	3.59958192E-08	-4.96376628E-12	-2.56196149E+04	9.09450877E+01						4
pcho-EI	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1391.000	31
	3.11877702E+01	3.78453455E-02	-1.33079213E-05	2.10517200E-09	-1.23755096E-13					2
	-4.13543005E+04	-1.52298363E+02	-1.40214599E+01	1.41423611E-01	-1.02182763E-04					3
	3.59958192E-08	-4.96376628E-12	-2.56196149E+04	9.09450877E+01						4
pcho-FH	3/14/7	THERMc	9h	16o	1	OG	300.000	5000.000	1391.000	31
	3.11877702E+01	3.78453455E-02	-1.33079213E-05	2.10517200E-09	-1.23755096E-13					2
	-4.13543005E+04	-1.52298363E+02	-1.40214599E+01	1.41423611E-01	-1.02182763E-04					3
	3.59958192E-08	-4.96376628E-12	-2.56196149E+04	9.09450877E+01						4
pcho-EH	1/21/ 8	THERMc	9h	16o	1	OG	300.000	5000.000	1398.000	31
	2.74222144E+01	3.99642542E-02	-1.37895250E-05	2.15354343E-09	-1.25460632E-13					2
	-4.41052827E+04	-1.26053016E+02	-1.40031541E+01	1.45973726E-01	-1.20096269E-04					3
	5.14325849E-08	-8.93574526E-12	-3.06146373E+04	9.31966295E+01						4
ApchoB	1/17/ 8	THERMc	9h	15o	1	OG	300.000	5000.000	1379.000	21
	3.01708679E+01	3.56765766E-02	-1.23660645E-05	1.93853975E-09	-1.13276075E-13					2
	-3.14715385E+04	-1.39365990E+02	-7.68482278E+00	1.18350041E-01	-7.83113593E-05					3
	2.44723789E-08	-2.83400972E-12	-1.78903867E+04	6.57549447E+01						4
BpchoA	1/17/ 8	THERMc	9h	15o	1	OG	300.000	5000.000	1377.000	21
	2.88622886E+01	3.67089369E-02	-1.27000263E-05	1.98799878E-09	-1.16036610E-13					2
	-2.93605026E+04	-1.32278783E+02	-4.73319136E+00	1.06764714E-01	-6.46790324E-05					3
	1.76862665E-08	-1.59018552E-12	-1.69287780E+04	5.10130896E+01						4
ApchoC	1/23/ 8	THERMc	9h	15o	1	OG	300.000	5000.000	1381.000	31
	2.85741415E+01	3.71931383E-02	-1.30088404E-05	2.05057537E-09	-1.20249755E-13					2
	-2.76041370E+04	-1.28456677E+02	-7.64727326E+00	1.14635128E-01	-7.32928613E-05					3
	2.20609745E-08	-2.44565134E-12	-1.43640426E+04	6.85296275E+01						4
CpchoA	1/23/ 8	THERMc	9h	15o	1	OG	300.000	5000.000	2030.000	31
	2.46392494E+01	4.14764369E-02	-1.48626255E-05	2.39286895E-09	-1.42707182E-13					2
	-2.28017353E+04	-1.04572951E+02	-6.60738741E+00	1.09651094E-01	-6.65903592E-05					3
	1.82759196E-08	-1.72387924E-12	-1.21291964E+04	6.40060538E+01						4
DpchoA	1/23/ 8	THERMc	9h	15o	1	OG	300.000	5000.000	2018.000	31
	2.31338824E+01	4.32236201E-02	-1.55597622E-05	2.51078048E-09	-1.49913682E-13					2
	-2.31589079E+04	-9.54885216E+01	-4.07733603E+00	9.89304418E-02	-5.33818181E-05					3
	1.17363117E-08	-5.71849360E-13	-1.34927273E+04	5.26582432E+01						4
ApchoE	1/23/ 8	THERMc	9h	15o	1	OG	300.000	5000.000	1391.000	31

2.68941930E+01	3.78364167E-02	-1.30492321E-05	2.03732728E-09	-1.18666705E-13	2
-2.56552324E+04	-1.15734635E+02	-5.22302459E+00	1.12172453E-01	-7.92182296E-05	3
2.90960029E-08	-4.41429368E-12	-1.43843984E+04	5.70808416E+01		4
EpchoA	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 2030.000	31
2.46392494E+01	4.14764369E-02	-1.48626255E-05	2.39286895E-09	-1.42707182E-13	2
-2.28017353E+04	-1.04572951E+02	-6.60738741E+00	1.09651094E-01	-6.65903592E-05	3
1.82759196E-08	-1.72387924E-12	-1.21291964E+04	6.40060538E+01		4
ApchoF	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1385.000	31
2.73930575E+01	3.66587233E-02	-1.24891682E-05	1.93488425E-09	-1.12124637E-13	2
-2.59035140E+04	-1.18176265E+02	-4.17393004E+00	1.09528608E-01	-7.69230401E-05	3
2.80116001E-08	-4.19917475E-12	-1.48344493E+04	5.17033065E+01		4
FpchoA	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 2030.000	31
2.46392494E+01	4.14764369E-02	-1.48626255E-05	2.39286895E-09	-1.42707182E-13	2
-2.28017353E+04	-1.04572951E+02	-6.60738741E+00	1.09651094E-01	-6.65903592E-05	3
1.82759196E-08	-1.72387924E-12	-1.21291964E+04	6.40060538E+01		4
BpchoC	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1385.000	21
2.99219626E+01	3.62467305E-02	-1.26342149E-05	1.98723374E-09	-1.16369436E-13	2
-3.13673886E+04	-1.37891945E+02	-8.67474531E+00	1.22793685E-01	-8.49751253E-05	3
2.87281910E-08	-3.79837251E-12	-1.77015668E+04	7.05169513E+01		4
CpchoB	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1379.000	21
3.01708679E+01	3.56765766E-02	-1.23660645E-05	1.93853975E-09	-1.13276075E-13	2
-3.14715385E+04	-1.39365990E+02	-7.68482278E+00	1.18350041E-01	-7.83113593E-05	3
2.44723789E-08	-2.83400972E-12	-1.78903867E+04	6.57549447E+01		4
DpchoB	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 2026.000	31
2.23176394E+01	4.44011334E-02	-1.60700929E-05	2.60105952E-09	-1.55590373E-13	2
-2.66936299E+04	-9.05613888E+01	-4.45054852E+00	9.87515348E-02	-5.24988972E-05	3
1.12515906E-08	-4.97208360E-13	-1.71297509E+04	5.53564889E+01		4
EpchoB	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 2031.000	31
2.41993523E+01	4.20261249E-02	-1.50941754E-05	2.43363797E-09	-1.45275649E-13	2
-2.64814481E+04	-1.01743808E+02	-7.07149754E+00	1.09806233E-01	-6.60126597E-05	3
1.78075778E-08	-1.62356430E-12	-1.57513140E+04	6.71359725E+01		4
BpchoE	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1380.000	31
2.78087385E+01	3.57222234E-02	-1.20577408E-05	1.85781570E-09	-1.07290908E-13	2
-2.73966161E+04	-1.19960482E+02	-5.10191231E+00	1.07988291E-01	-7.01526444E-05	3
2.19403828E-08	-2.57754284E-12	-1.56350243E+04	5.82159395E+01		4
BpchoF	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1378.000	31
2.74874792E+01	3.59481194E-02	-1.21240390E-05	1.86685463E-09	-1.07761079E-13	2
-2.73607949E+04	-1.17868293E+02	-3.47707081E+00	1.03208420E-01	-6.56134125E-05	3
2.01757158E-08	-2.34265070E-12	-1.61802852E+04	5.01011171E+01		4
FpchoB	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 2031.000	31
2.41993523E+01	4.20261249E-02	-1.50941754E-05	2.43363797E-09	-1.45275649E-13	2
-2.64814481E+04	-1.01743808E+02	-7.07149754E+00	1.09806233E-01	-6.60126597E-05	3
1.78075778E-08	-1.62356430E-12	-1.57513140E+04	6.71359725E+01		4
BpchoG	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1378.000	31
2.74874792E+01	3.59481194E-02	-1.21240390E-05	1.86685463E-09	-1.07761079E-13	2
-2.73607949E+04	-1.17868293E+02	-3.47707081E+00	1.03208420E-01	-6.56134125E-05	3
2.01757158E-08	-2.34265070E-12	-1.61802852E+04	5.01011171E+01		4
GpchoB	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 2031.000	31
2.41993523E+01	4.20261249E-02	-1.50941754E-05	2.43363797E-09	-1.45275649E-13	2
-2.64814481E+04	-1.01743808E+02	-7.07149754E+00	1.09806233E-01	-6.60126597E-05	3
1.78075778E-08	-1.62356430E-12	-1.57513140E+04	6.71359725E+01		4
DpchoC	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1385.000	21
2.99219626E+01	3.62467305E-02	-1.26342149E-05	1.98723374E-09	-1.16369436E-13	2
-3.13673886E+04	-1.37891945E+02	-8.67474531E+00	1.22793685E-01	-8.49751253E-05	3
2.87281910E-08	-3.79837251E-12	-1.77015668E+04	7.05169513E+01		4
CpchoE	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1380.000	31
2.78087385E+01	3.57222234E-02	-1.20577408E-05	1.85781570E-09	-1.07290908E-13	2
-2.73966161E+04	-1.19960482E+02	-5.10191231E+00	1.07988291E-01	-7.01526444E-05	3
2.19403828E-08	-2.57754284E-12	-1.56350243E+04	5.82159395E+01		4
EpchoC	1/23/ 8 THERMc	9h 15o 1 OG	300.000	5000.000 1366.000	31
2.90162197E+01	3.57998231E-02	-1.23270231E-05	1.92501870E-09	-1.12220452E-13	2



-2.91565436E+04-1.30012390E+02-7.24081886E+00	1.09427717E-01-6.32326685E-05	3
1.46323891E-08-6.06491692E-13-1.56625119E+04	6.83022426E+01	4
CpchoF 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1378.000	31
2.74874792E+01 3.59481194E-02-1.21240390E-05	1.86685463E-09-1.07761079E-13	2
-2.73607949E+04-1.17868293E+02-3.47707081E+00	1.03208420E-01-6.56134125E-05	3
2.01757158E-08-2.34265070E-12-1.61802852E+04	5.01011171E+01	4
FpchoC 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1366.000	31
2.90162197E+01 3.57998231E-02-1.23270231E-05	1.92501870E-09-1.12220452E-13	2
-2.91565436E+04-1.30012390E+02-7.24081886E+00	1.09427717E-01-6.32326685E-05	3
1.46323891E-08-6.06491692E-13-1.56625119E+04	6.83022426E+01	4
CpchoG 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1378.000	31
2.74874792E+01 3.59481194E-02-1.21240390E-05	1.86685463E-09-1.07761079E-13	2
-2.73607949E+04-1.17868293E+02-3.47707081E+00	1.03208420E-01-6.56134125E-05	3
2.01757158E-08-2.34265070E-12-1.61802852E+04	5.01011171E+01	4
GpchoC 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1366.000	31
2.90162197E+01 3.57998231E-02-1.23270231E-05	1.92501870E-09-1.12220452E-13	2
-2.91565436E+04-1.30012390E+02-7.24081886E+00	1.09427717E-01-6.32326685E-05	3
1.46323891E-08-6.06491692E-13-1.56625119E+04	6.83022426E+01	4
DpchoE 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1393.000	31
2.86023779E+01 3.65389006E-02-1.26367972E-05	1.97670699E-09-1.15292127E-13	2
-2.96226584E+04-1.27332115E+02-6.08093872E+00	1.19471190E-01-8.94322313E-05	3
3.47675620E-08-5.54864386E-12-1.77453675E+04	5.83015535E+01	4
DpchoF 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1377.000	31
2.58350001E+01 3.80038195E-02-1.29571058E-05	2.00826876E-09-1.16409320E-13	2
-2.76975410E+04-1.08026076E+02-8.68467946E-01	9.21132918E-02-5.18749690E-05	3
1.33718486E-08-1.14062589E-12-1.75547751E+04	3.83960851E+01	4
DpchoG 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1377.000	31
2.58350001E+01 3.80038195E-02-1.29571058E-05	2.00826876E-09-1.16409320E-13	2
-2.76975410E+04-1.08026076E+02-8.68467946E-01	9.21132918E-02-5.18749690E-05	3
1.33718486E-08-1.14062589E-12-1.75547751E+04	3.83960851E+01	4
EpchoF 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1387.000	31
2.91045159E+01 3.53555026E-02-1.20742510E-05	1.87383250E-09-1.08723436E-13	2
-2.98720730E+04-1.29791872E+02-5.03894345E+00	1.16857587E-01-8.71793566E-05	3
3.37068087E-08-5.33824182E-12-1.81943166E+04	5.29571315E+01	4
FpchoE 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1393.000	31
2.86023779E+01 3.65389006E-02-1.26367972E-05	1.97670699E-09-1.15292127E-13	2
-2.96226584E+04-1.27332115E+02-6.08093872E+00	1.19471190E-01-8.94322313E-05	3
3.47675620E-08-5.54864386E-12-1.77453675E+04	5.83015535E+01	4
EpchoG 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1378.000	31
2.74874792E+01 3.59481194E-02-1.21240390E-05	1.86685463E-09-1.07761079E-13	2
-2.73607949E+04-1.17868293E+02-3.47707081E+00	1.03208420E-01-6.56134125E-05	3
2.01757158E-08-2.34265070E-12-1.61802852E+04	5.01011171E+01	4
GpchoE 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1380.000	31
2.78087385E+01 3.57222234E-02-1.20577408E-05	1.85781570E-09-1.07290908E-13	2
-2.73966161E+04-1.19960482E+02-5.10191231E+00	1.07988291E-01-7.01526444E-05	3
2.19403828E-08-2.57754284E-12-1.56350243E+04	5.82159395E+01	4
EpchoH 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1378.000	31
2.74874792E+01 3.59481194E-02-1.21240390E-05	1.86685463E-09-1.07761079E-13	2
-2.73607949E+04-1.17868293E+02-3.47707081E+00	1.03208420E-01-6.56134125E-05	3
2.01757158E-08-2.34265070E-12-1.61802852E+04	5.01011171E+01	4
HpchoE 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1380.000	31
2.78087385E+01 3.57222234E-02-1.20577408E-05	1.85781570E-09-1.07290908E-13	2
-2.73966161E+04-1.19960482E+02-5.10191231E+00	1.07988291E-01-7.01526444E-05	3
2.19403828E-08-2.57754284E-12-1.56350243E+04	5.82159395E+01	4
IpchoE 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1380.000	31
2.78087385E+01 3.57222234E-02-1.20577408E-05	1.85781570E-09-1.07290908E-13	2
-2.73966161E+04-1.19960482E+02-5.10191231E+00	1.07988291E-01-7.01526444E-05	3
2.19403828E-08-2.57754284E-12-1.56350243E+04	5.82159395E+01	4
FpchoG 1/23/ 8 THERMc 9h 15o 1 0G	300.000 5000.000 1387.000	31
2.91045159E+01 3.53555026E-02-1.20742510E-05	1.87383250E-09-1.08723436E-13	2
-2.98720730E+04-1.29791872E+02-5.03894345E+00	1.16857587E-01-8.71793566E-05	3

3.37068087E-08-5.33824182E-12-1.81943166E+04	5.29571315E+01	4
GpchoF 1/23/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1387.000	31
2.91045159E+01 3.53555026E-02-1.20742510E-05	1.87383250E-09-1.08723436E-13	2
-2.98720730E+04-1.29791872E+02-5.03894345E+00	1.16857587E-01-8.71793566E-05	3
3.37068087E-08-5.33824182E-12-1.81943166E+04	5.29571315E+01	4
HpchoF 1/23/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1378.000	31
2.74874792E+01 3.59481194E-02-1.21240390E-05	1.86685463E-09-1.07761079E-13	2
-2.73607949E+04-1.17868293E+02-3.47707081E+00	1.03208420E-01-6.56134125E-05	3
2.01757158E-08-2.34265070E-12-1.61802852E+04	5.01011171E+01	4
pche1 3/14/ 7 THERMc 9h 16 0 OG	300.000 5000.000 1385.000	21
2.73374593E+01 3.82152425E-02-1.32622462E-05	2.07988387E-09-1.21544261E-13	2
-2.34239849E+04-1.28131462E+02-9.73003587E+00	1.18168326E-01-7.58416274E-05	3
2.28047765E-08-2.48240899E-12-1.00088848E+04	7.30984483E+01	4
pche2 3/14/ 7 THERMc 9h 16 0 OG	300.000 5000.000 1384.000	21
2.68578253E+01 3.86130503E-02-1.33969436E-05	2.10061347E-09-1.22738288E-13	2
-2.46191974E+04-1.24746880E+02-9.32025536E+00	1.15369153E-01-7.18473602E-05	3
2.05361028E-08-2.02122010E-12-1.13914695E+04	7.21192734E+01	4
pche3 3/14/ 7 THERMc 9h 16 0 OG	300.000 5000.000 1385.000	21
2.70485360E+01 3.84972806E-02-1.33667978E-05	2.09689330E-09-1.22560478E-13	2
-2.52676740E+04-1.25005996E+02-9.76207821E+00	1.18211438E-01-7.64139087E-05	3
2.34524134E-08-2.67476665E-12-1.19500731E+04	7.47628381E+01	4
pche4 3/14/ 7 THERMc 9h 16 0 OG	300.000 5000.000 1393.000	31
2.58501012E+01 3.85635122E-02-1.32657880E-05	2.06764814E-09-1.20294002E-13	2
-2.35601610E+04-1.15105292E+02-7.32073560E+00	1.15508053E-01-8.16673304E-05	3
2.98747575E-08-4.48819427E-12-1.19696258E+04	6.32636657E+01	4
pche5 3/14/ 7 THERMc 9h 16 0 OG	300.000 5000.000 1394.000	31
2.57170848E+01 3.87370065E-02-1.33382103E-05	2.08019877E-09-1.21073220E-13	2
-2.28780454E+04-1.15078054E+02-7.71000874E+00	1.16105464E-01-8.17794788E-05	3
2.96771717E-08-4.40690675E-12-1.11943253E+04	6.47061131E+01	4
pche6 3/14/ 7 THERMc 9h 16 0 OG	300.000 5000.000 1393.000	31
2.57630441E+01 3.87100526E-02-1.33322528E-05	2.07966954E-09-1.21060276E-13	2
-2.30481423E+04-1.15394562E+02-7.75748952E+00	1.16063611E-01-8.15100778E-05	3
2.94598544E-08-4.35637078E-12-1.13061010E+04	6.49789642E+01	4
Apche2 3/14/ 7 THERMc 9h 15 0 OG	300.000 5000.000 1386.000	21
2.75312793E+01 3.60877560E-02-1.26560519E-05	1.99841809E-09-1.17328708E-13	2
-6.56615342E+03-1.29202265E+02-9.84852017E+00	1.18075723E-01-7.89987726E-05	3
2.53824759E-08-3.11745082E-12 6.86794900E+03	7.33109819E+01	4
Dpche2 3/14/ 7 THERMc 9h 15 0 OG	300.000 5000.000 1378.000	21
2.62202583E+01 3.72472788E-02-1.30668521E-05	2.06371920E-09-1.21180253E-13	2
-8.69282425E+03-1.22678779E+02-8.41366152E+00	1.06711315E-01-6.07550544E-05	3
1.40707422E-08-6.62464047E-13 4.38956947E+03	6.72395485E+01	4
Cpche4 3/14/ 7 THERMc 9h 15 0 OG	300.000 5000.000 1390.000	31
2.58135126E+01 3.65903890E-02-1.27059812E-05	1.99288940E-09-1.16453056E-13	2
-6.70187880E+03-1.16428959E+02-7.35730021E+00	1.12366552E-01-7.87827692E-05	3
2.82706784E-08-4.15150794E-12 5.01801921E+03	6.23764680E+01	4
Dpche5 3/14/ 7 c 9h 15 0 OG	300.000 5000.000 1389.000	31
2.53361450E+01 3.71257021E-02-1.29193917E-05	2.02919705E-09-1.18688368E-13	2
-7.09394899E+03-1.14577941E+02-8.22791171E+00	1.13507833E-01-7.92919812E-05	3
2.83571934E-08-4.15695907E-12 4.80844832E+03	6.64749348E+01	4
Epche6 3/14/ 7 THERMc 9h 15 0 OG	300.000 5000.000 1390.000	31
2.57346125E+01 3.67395674E-02-1.27757272E-05	2.00568925E-09-1.17276016E-13	2
-6.19091890E+03-1.16758021E+02-7.60873944E+00	1.12215487E-01-7.76522425E-05	3
2.72923377E-08-3.90257310E-12 5.65015905E+03	6.32080852E+01	4
Fpche7 3/14/ 7 THERMc 9h 15 0 OG	300.000 5000.000 1390.000	31
2.57346125E+01 3.67395674E-02-1.27757272E-05	2.00568925E-09-1.17276016E-13	2
-6.19091890E+03-1.16758021E+02-7.60873944E+00	1.12215487E-01-7.76522425E-05	3
2.72923377E-08-3.90257310E-12 5.65015905E+03	6.32080852E+01	4
pche2oJA 3/14/7 THERMc 9h 15o 1 OG	300.000 5000.000 1380.000	21
2.90714687E+01 3.64083818E-02-1.25741311E-05	1.96642078E-09-1.14714257E-13	2
-1.64606057E+04-1.33434040E+02-8.50976090E+00	1.16962304E-01-7.43881362E-05	3
2.15065634E-08-2.10480335E-12-2.87611282E+03	7.06538246E+01	4

pche1ojc	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1385.000	21
3.09957447E+01	3.42482726E-02	-1.17281944E-05	1.82504120E-09	-1.06139532E-13						2
-1.80391406E+04	-1.44907287E+02	-1.06207542E+01	1.29817619E-01	-9.32020846E-05						3
3.23131566E-08	-4.30784211E-12	-3.67370463E+03	7.87683353E+01							4
pche2ojd	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1382.000	21
3.06208911E+01	3.44214736E-02	-1.17558385E-05	1.82600947E-09	-1.06060267E-13						2
-2.10689854E+04	-1.41741851E+02	-8.84017138E+00	1.23471382E-01	-8.57394420E-05						3
2.84767113E-08	-3.57337257E-12	-7.28770430E+03	7.09106896E+01							4
pche3ojB	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1384.000	21
3.06924562E+01	3.44998803E-02	-1.18132036E-05	1.83808815E-09	-1.06889051E-13						2
-1.98656579E+04	-1.41668423E+02	-1.05889713E+01	1.29636184E-01	-9.35506423E-05						3
3.28518929E-08	-4.47874948E-12	-5.62571346E+03	8.01269990E+01							4
pche4ojC	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1392.000	31
2.94586251E+01	3.44880016E-02	-1.16599226E-05	1.79795344E-09	-1.03875529E-13						2
-1.81242095E+04	-1.31512150E+02	-8.24768516E+00	1.27271105E-01	-9.93549740E-05						3
3.95915462E-08	-6.35295866E-12	-5.62620215E+03	6.91188451E+01							4
pche3oje	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1384.000	21
3.06924562E+01	3.44998803E-02	-1.18132036E-05	1.83808815E-09	-1.06889051E-13						2
-1.98656579E+04	-1.41668423E+02	-1.05889713E+01	1.29636184E-01	-9.35506423E-05						3
3.28518929E-08	-4.47874948E-12	-5.62571346E+03	8.01269990E+01							4
pche5ojd	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1396.000	31
2.93077194E+01	3.46892206E-02	-1.17380444E-05	1.81049230E-09	-1.04602534E-13						2
-1.92242786E+04	-1.31026383E+02	-7.60799163E+00	1.25959207E-01	-9.84540325E-05						3
3.93699818E-08	-6.34120085E-12	-7.03438806E+03	6.52383346E+01							4
pche4ojF	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1392.000	31
2.94586251E+01	3.44880016E-02	-1.16599226E-05	1.79795344E-09	-1.03875529E-13						2
-1.81242095E+04	-1.31512150E+02	-8.24768516E+00	1.27271105E-01	-9.93549740E-05						3
3.95915462E-08	-6.35295866E-12	-5.62620215E+03	6.91188451E+01							4
pche6oje	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1394.000	31
2.92459486E+01	3.48136536E-02	-1.17999453E-05	1.82236560E-09	-1.05390533E-13						2
-1.75515234E+04	-1.31072280E+02	-8.68738997E+00	1.27968525E-01	-9.95685349E-05						3
3.94849665E-08	-6.30013662E-12	-4.96539872E+03	7.08225738E+01							4
pche5ojG	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1394.000	31
2.92599391E+01	3.47528456E-02	-1.17683257E-05	1.81633454E-09	-1.04995421E-13						2
-1.74107615E+04	-1.31107902E+02	-8.82063231E+00	1.28711630E-01	-1.00772327E-04						3
4.02253328E-08	-6.45737923E-12	-4.82363685E+03	7.14074526E+01							4
pche7ojF	3/14/7	THERMc	9h	15o	1	OG	300.000	5000.000	1394.000	31
2.92459486E+01	3.48136536E-02	-1.17999453E-05	1.82236560E-09	-1.05390533E-13						2
-1.75515234E+04	-1.31072280E+02	-8.68738997E+00	1.27968525E-01	-9.95685349E-05						3
3.94849665E-08	-6.30013662E-12	-4.96539872E+03	7.08225738E+01							4
Ao2pchohB	3/ 7	THERMc	9h	17o	3	OG	300.000	5000.000	1387.000	51
3.38497855E+01	4.21170826E-02	-1.47192579E-05	2.31865550E-09	-1.35899044E-13						2
-5.33311744E+04	-1.52786701E+02	-6.67130994E+00	1.32730375E-01	-9.10595448E-05						3
3.12161260E-08	-4.29828800E-12	-3.88525176E+04	6.62782812E+01							4
Bo2pchohA	3/ 7	THERMc	9h	17o	3	OG	300.000	5000.000	1387.000	51
3.38497855E+01	4.21170826E-02	-1.47192579E-05	2.31865550E-09	-1.35899044E-13						2
-5.33311744E+04	-1.52786701E+02	-6.67130994E+00	1.32730375E-01	-9.10595448E-05						3
3.12161260E-08	-4.29828800E-12	-3.88525176E+04	6.62782812E+01							4
Bo2pchohC	3/ 7	THERMc	9h	17o	3	OG	300.000	5000.000	1389.000	51
3.45499386E+01	4.15934824E-02	-1.45541486E-05	2.29447979E-09	-1.34555377E-13						2
-5.57373169E+04	-1.56608452E+02	-8.49557795E+00	1.43093860E-01	-1.06966877E-04						3
4.10517548E-08	-6.44992321E-12	-4.08464131E+04	7.43023592E+01							4
Co2pchohB	3/ 7	THERMc	9h	17o	3	OG	300.000	5000.000	1389.000	51
3.45499386E+01	4.15934824E-02	-1.45541486E-05	2.29447979E-09	-1.34555377E-13						2
-5.57373169E+04	-1.56608452E+02	-8.49557795E+00	1.43093860E-01	-1.06966877E-04						3
4.10517548E-08	-6.44992321E-12	-4.08464131E+04	7.43023592E+01							4
Co2pchohD	3/ 7	THERMc	9h	17o	3	OG	300.000	5000.000	1388.000	51
3.45489728E+01	4.15688877E-02	-1.45399844E-05	2.29167284E-09	-1.34367684E-13						2
-5.69009495E+04	-1.56991634E+02	-6.72134713E+00	1.36146473E-01	-9.72678759E-05						3
3.52879646E-08	-5.21520842E-12	-4.23644422E+04	6.53437631E+01							4
Do2pchohC	3/ 7	THERMc	9h	17o	3	OG	300.000	5000.000	1388.000	51

3.45489728E+01	4.15688877E-02-1.45399844E-05	2.29167284E-09-1.34367684E-13	2
-5.69009495E+04-1.56991634E+02-6.72134713E+00	1.36146473E-01-9.72678759E-05		3
3.52879646E-08-5.21520842E-12-4.23644422E+04	6.53437631E+01		4
Do2pchohE	3/ 7 THERMc 9h 17o 3 OG	300.000 5000.000 1388.000	51
3.45489728E+01	4.15688877E-02-1.45399844E-05	2.29167284E-09-1.34367684E-13	2
-5.69009495E+04-1.56991634E+02-6.72134713E+00	1.36146473E-01-9.72678759E-05		3
3.52879646E-08-5.21520842E-12-4.23644422E+04	6.53437631E+01		4
Eo2pchohD	3/ 7 THERMc 9h 17o 3 OG	300.000 5000.000 1388.000	51
3.45489728E+01	4.15688877E-02-1.45399844E-05	2.29167284E-09-1.34367684E-13	2
-5.69009495E+04-1.56991634E+02-6.72134713E+00	1.36146473E-01-9.72678759E-05		3
3.52879646E-08-5.21520842E-12-4.23644422E+04	6.53437631E+01		4
Eo2pchohF	3/ 7 THERMc 9h 17o 3 OG	300.000 5000.000 1389.000	51
3.45499386E+01	4.15934824E-02-1.45541486E-05	2.29447979E-09-1.34555377E-13	2
-5.57373169E+04-1.56608452E+02-8.49557795E+00	1.43093860E-01-1.06966877E-04		3
4.10517548E-08-6.44992321E-12-4.08464131E+04	7.43023592E+01		4
Fo2pchohE	3/ 7 THERMc 9h 17o 3 OG	300.000 5000.000 1389.000	51
3.45499386E+01	4.15934824E-02-1.45541486E-05	2.29447979E-09-1.34555377E-13	2
-5.57373169E+04-1.56608452E+02-8.49557795E+00	1.43093860E-01-1.06966877E-04		3
4.10517548E-08-6.44992321E-12-4.08464131E+04	7.43023592E+01		4
Fo2pchohG	3/ 7 THERMc 9h 17o 3 OG	300.000 5000.000 1389.000	51
3.45499386E+01	4.15934824E-02-1.45541486E-05	2.29447979E-09-1.34555377E-13	2
-5.57373169E+04-1.56608452E+02-8.49557795E+00	1.43093860E-01-1.06966877E-04		3
4.10517548E-08-6.44992321E-12-4.08464131E+04	7.43023592E+01		4
Go2pchohF	3/ 7 THERMc 9h 17o 3 OG	300.000 5000.000 1389.000	51
3.45499386E+01	4.15934824E-02-1.45541486E-05	2.29447979E-09-1.34555377E-13	2
-5.57373169E+04-1.56608452E+02-8.49557795E+00	1.43093860E-01-1.06966877E-04		3
4.10517548E-08-6.44992321E-12-4.08464131E+04	7.43023592E+01		4
pchele3	3/14/ 7 THERMc 9h 14 0 OG	300.000 5000.000 1385.000	11
2.67249158E+01	3.40585410E-02-1.18269061E-05	1.85565878E-09-1.08480279E-13	2
-1.15501520E+04-1.25360357E+02-8.58105937E+00	1.13432601E-01-7.84454442E-05		3
2.66321595E-08-3.54987068E-12 9.31850387E+02	6.52095769E+01		4
pche2e4	3/14/ 7 THERMc 9h 14 0 OG	300.000 5000.000 1379.000	21
2.75935989E+01	3.39305248E-02-1.20114255E-05	1.90825855E-09-1.12505232E-13	2
-1.36103564E+04-1.17615535E+02-7.52225806E+00	1.12801674E-01-7.99922888E-05		3
2.89270956E-08-4.32273806E-12-9.81924061E+02	7.23038464E+01		4
pche3e5	3/14/ 7 THERMc 9h 14 0 OG	300.000 5000.000 1402.000	21
2.50376301E+01	3.24499442E-02-1.07203520E-05	1.62750774E-09-9.30136964E-14	2
-3.80955444E+03-1.11875608E+02-8.73412964E+00	1.15806384E-01-8.89048655E-05		3
3.46668522E-08-5.38937522E-12 7.26040127E+03	6.75631499E+01		4
pche4e6	3/14/ 7 THERMc 9h 14 0 OG	300.000 5000.000 1398.000	31
2.57088397E+01	3.36248244E-02-1.15687214E-05	1.80328976E-09-1.04918797E-13	2
-1.02857506E+04-1.13926882E+02-8.01120963E+00	1.18685862E-01-9.53954560E-05		3
3.99595791E-08-6.81126701E-12 8.04394503E+02	6.49540673E+01		4
pche5e7	3/14/ 7 THERMc 9h 14 0 OG	300.000 5000.000 1397.000	31
2.50117024E+01	3.42256111E-02-1.17784584E-05	1.83633404E-09-1.06856682E-13	2
-8.73781894E+03-1.09857596E+02-7.26708094E+00	1.12080637E-01-8.43019157E-05		3
3.28552432E-08-5.23105719E-12 2.21062198E+03	6.26025302E+01		4
pchoA	3/14/ 7 THERMc 9h 16o 1 OG	300.000 5000.000 1375.000	31
2.97954971E+01	3.79365617E-02-1.31076546E-05	2.05051580E-09-1.19648440E-13	2
-4.90979786E+04-1.38020194E+02-7.11889338E+00	1.15192679E-01-7.03579998E-05		3
1.91216819E-08-1.64498840E-12-3.55180419E+04	6.31934921E+01		4
pchoyA	3/14/ 7 THERMc 9h 15o 1 OG	300.000 5000.000 1373.000	31
2.94070527E+01	3.57610148E-02-1.23673970E-05	1.93608588E-09-1.13032510E-13	2
-3.01471244E+04-1.34271095E+02-6.34956819E+00	1.10405959E-01-6.73047379E-05		3
1.80398935E-08-1.47736397E-12-1.69888685E+04	6.06745304E+01		4
pchoB	3/14/ 7 THERMc 9h 16o 1 OG	300.000 5000.000 1377.000	31
2.91603434E+01	3.88783478E-02-1.35143172E-05	2.12196183E-09-1.24114204E-13	2
-5.27354723E+04-1.34161135E+02-7.51193056E+00	1.15149878E-01-6.97616951E-05		3
1.88713445E-08-1.63536878E-12-3.91531045E+04	6.59749077E+01		4
pchoC	3/14/ 7 THERMc 9h 16o 1 OG	300.000 5000.000 1382.000	31
2.90081601E+01	3.93052422E-02-1.37227951E-05	2.16051899E-09-1.26591467E-13	2

-5.26735706E+04-1.33237412E+02-8.43376649E+00	1.19259481E-01-7.58609962E-05	3
2.27364024E-08-2.50768477E-12-3.89739958E+04	7.04267606E+01	4
pchoE 3/14/ 7 THERMc 9h 16o 1 0G	300.000 5000.000 1382.000	31
2.90081601E+01 3.93052422E-02-1.37227951E-05	2.16051899E-09-1.26591467E-13	2
-5.26735706E+04-1.33237412E+02-8.43376649E+00	1.19259481E-01-7.58609962E-05	3
2.27364024E-08-2.50768477E-12-3.89739958E+04	7.04267606E+01	4
pchoF 3/14/ 7 THERMc 9h 16o 1 0G	300.000 5000.000 1374.000	31
2.95367112E+01 3.81098355E-02-1.31611243E-05	2.05850202E-09-1.20107724E-13	2
-5.29432863E+04-1.35862779E+02-7.13669433E+00	1.15519719E-01-7.19347175E-05	3
2.06619351E-08-2.08039426E-12-3.94618252E+04	6.38989278E+01	4
pchoG 3/14/ 7 THERMc 9h 16o 1 0G	300.000 5000.000 1374.000	31
2.95367112E+01 3.81098355E-02-1.31611243E-05	2.05850202E-09-1.20107724E-13	2
-5.29432863E+04-1.35862779E+02-7.13669433E+00	1.15519719E-01-7.19347175E-05	3
2.06619351E-08-2.08039426E-12-3.94618252E+04	6.38989278E+01	4
DpchqBqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.39781937E+02 0.33192076E-01-0.93190247E-05	0.12977774E-08-0.72883546E-13	2
-0.41641547E+05-0.17606839E+03-0.35701182E+01	0.13876890E+00-0.99720004E-04	3
0.33979209E-07-0.45808570E-11-0.28213006E+05	0.53253849E+02	4
FpchqBqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.40082935E+02 0.33263732E-01-0.94212974E-05	0.13239577E-08-0.75011706E-13	2
-0.42199809E+05-0.17818491E+03-0.30924931E+01	0.13450304E+00-0.86858352E-04	3
0.20391131E-07 0.21988515E-12-0.28657453E+05	0.51110172E+02	4
GpchqBqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.40082935E+02 0.33263732E-01-0.94212974E-05	0.13239577E-08-0.75011706E-13	2
-0.41797227E+05-0.17818491E+03-0.30924931E+01	0.13450304E+00-0.86858352E-04	3
0.20391131E-07 0.21988515E-12-0.28254873E+05	0.51110172E+02	4
IpchqBqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.40082935E+02 0.33263732E-01-0.94212974E-05	0.13239577E-08-0.75011706E-13	2
-0.41797227E+05-0.17818491E+03-0.30924931E+01	0.13450304E+00-0.86858352E-04	3
0.20391131E-07 0.21988515E-12-0.28254873E+05	0.51110172E+02	4
DpchqCqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.39902008E+02 0.32990009E-01-0.92124219E-05	0.12743768E-08-0.71050059E-13	2
-0.41418816E+05-0.17674161E+03-0.35854437E+01	0.13888551E+00-0.10002748E-03	3
0.34314073E-07-0.47090192E-11-0.27939758E+05	0.53317352E+02	4
FpchqCqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.40142277E+02 0.33170134E-01-0.93787157E-05	0.13157849E-08-0.74435500E-13	2
-0.41952137E+05-0.17851802E+03-0.34938931E+01	0.13728964E+00-0.93559574E-04	3
0.27088481E-07-0.21535601E-11-0.28342781E+05	0.52809769E+02	4
GpchqCqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.40142277E+02 0.33170134E-01-0.93787157E-05	0.13157849E-08-0.74435500E-13	2
-0.41549555E+05-0.17851802E+03-0.34938931E+01	0.13728964E+00-0.93559574E-04	3
0.27088481E-07-0.21535601E-11-0.27940201E+05	0.52809769E+02	4
HpchqCqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.40142277E+02 0.33170134E-01-0.93787157E-05	0.13157849E-08-0.74435500E-13	2
-0.41549555E+05-0.17851802E+03-0.34938931E+01	0.13728964E+00-0.93559574E-04	3
0.27088481E-07-0.21535601E-11-0.27940201E+05	0.52809769E+02	4
IpchqCqE c 9h 17o 40 0G	300.00 5000.00 1000.00	1
0.40142277E+02 0.33170134E-01-0.93787157E-05	0.13157849E-08-0.74435500E-13	2
-0.41549555E+05-0.17851802E+03-0.34938931E+01	0.13728964E+00-0.93559574E-04	3
0.27088481E-07-0.21535601E-11-0.27940201E+05	0.52809769E+02	4
DpchqCqF 1/17/ 8 THERMc 9h 17o 4 0G	300.000 5000.000 1385.000	71
4.04754640E+01 3.88002154E-02-1.37166007E-05	2.17736919E-09-1.28303538E-13	2
-4.59811451E+04-1.85540918E+02-5.53736604E+00	1.44481084E-01-1.05727889E-04	3
3.83893067E-08-5.58069803E-12-2.98837264E+04	6.21190641E+01	4
EpchqCqF 1/17/ 8 THERMc 9h 17o 4 0G	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
GpchqCqF 1/17/ 8 THERMc 9h 17o 4 0G	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3

3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
HpchqCqF 1/17/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
IpchqCqF 1/17/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
ApchqDqF 1/22/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.09047611E+01 3.84886790E-02-1.36214015E-05	2.16382776E-09-1.27569700E-13	2
-4.49542739E+04-1.88798663E+02-6.31975139E+00	1.48712235E-01-1.11849020E-04	3
4.20294973E-08-6.35809390E-12-2.85985137E+04	6.47766327E+01	4
BpchqDqF 1/21/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	71
4.02607980E+01 3.89797029E-02-1.37785563E-05	2.18709866E-09-1.28874164E-13	2
-4.61416686E+04-1.84384590E+02-5.90662120E+00	1.44061492E-01-1.03978834E-04	3
3.69779916E-08-5.23141347E-12-2.99087280E+04	6.44229870E+01	4
CpchqDqF 1/28/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	71
4.02607980E+01 3.89797029E-02-1.37785563E-05	2.18709866E-09-1.28874164E-13	2
-4.61416686E+04-1.84384590E+02-5.90662120E+00	1.44061492E-01-1.03978834E-04	3
3.69779916E-08-5.23141347E-12-2.99087280E+04	6.44229870E+01	4
GpchqDqF 1/22/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	71
4.02607980E+01 3.89797029E-02-1.37785563E-05	2.18709866E-09-1.28874164E-13	2
-4.61416686E+04-1.84384590E+02-5.90662120E+00	1.44061492E-01-1.03978834E-04	3
3.69779916E-08-5.23141347E-12-2.99087280E+04	6.44229870E+01	4
HpchqDqF 7/19/ 7 THERMc 9h 17o 4 OG	300.000 5000.000 1384.000	71
4.02607980E+01 3.89797029E-02-1.37785563E-05	2.18709866E-09-1.28874164E-13	2
-4.61416686E+04-1.84384590E+02-5.90662120E+00	1.44061492E-01-1.03978834E-04	3
3.69779916E-08-5.23141347E-12-2.99087280E+04	6.44229870E+01	4
BpchqEqG 1/18/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
CpchqEqG 1/18/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
DpchqEqG 1/18/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.04754640E+01 3.88002154E-02-1.37166007E-05	2.17736919E-09-1.28303538E-13	2
-4.59811451E+04-1.85540918E+02-5.53736604E+00	1.44481084E-01-1.05727889E-04	3
3.83893067E-08-5.58069803E-12-2.98837264E+04	6.21190641E+01	4
FpchqEqG 1/18/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
HpchqEqG 1/18/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
IpchqEqG 1/18/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1385.000	71
4.00834978E+01 3.91383697E-02-1.38348780E-05	2.19603973E-09-1.29400323E-13	2
-4.48937501E+04-1.82929463E+02-6.09865530E+00	1.43753294E-01-1.02846650E-04	3
3.60446144E-08-4.99177526E-12-2.86230968E+04	6.61049600E+01	4
BpchqEqH 2/ 8/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1388.000	71
3.76961616E+01 3.84007436E-02-1.29967890E-05	2.00654837E-09-1.16056518E-13	2
-2.01476817E+04-1.66313119E+02-5.87344793E+00	1.39056222E-01-9.94147365E-05	3
3.46108994E-08-4.65253523E-12-5.18249670E+03	6.76217200E+01	4
CpchqEqH 2/ 8/ 8 THERMc 9h 17o 4 OG	300.000 5000.000 1388.000	71
3.76961616E+01 3.84007436E-02-1.29967890E-05	2.00654837E-09-1.16056518E-13	2
-2.01476817E+04-1.66313119E+02-5.87344793E+00	1.39056222E-01-9.94147365E-05	3
3.46108994E-08-4.65253523E-12-5.18249670E+03	6.76217200E+01	4

DpchgEqH	1/17/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1385.000	71	
	4.04754640E+01	3.88002154E-02	-1.37166007E-05	2.17736919E-09	-1.28303538E-13					2	
	-4.59811451E+04	-1.85540918E+02	-5.53736604E+00	1.44481084E-01	-1.05727889E-04					3	
	3.83893067E-08	-5.58069803E-12	-2.98837264E+04	6.21190641E+01						4	
FpchgEqH	2/ 8/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1388.000	71	
	3.76961616E+01	3.84007436E-02	-1.29967890E-05	2.00654837E-09	-1.16056518E-13					2	
	-2.01476817E+04	-1.66313119E+02	-5.87344793E+00	1.39056222E-01	-9.94147365E-05					3	
	3.46108994E-08	-4.65253523E-12	-5.18249670E+03	6.76217200E+01						4	
GpchgEqH	2/ 8/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1388.000	71	
	3.76961616E+01	3.84007436E-02	-1.29967890E-05	2.00654837E-09	-1.16056518E-13					2	
	-2.01476817E+04	-1.66313119E+02	-5.87344793E+00	1.39056222E-01	-9.94147365E-05					3	
	3.46108994E-08	-4.65253523E-12	-5.18249670E+03	6.76217200E+01						4	
IpchgEqH	2/ 8/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1388.000	71	
	3.76961616E+01	3.84007436E-02	-1.29967890E-05	2.00654837E-09	-1.16056518E-13					2	
	-2.01476817E+04	-1.66313119E+02	-5.87344793E+00	1.39056222E-01	-9.94147365E-05					3	
	3.46108994E-08	-4.65253523E-12	-5.18249670E+03	6.76217200E+01						4	
BpchgEqI	1/18/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1385.000	71	
	4.00834978E+01	3.91383697E-02	-1.38348780E-05	2.19603973E-09	-1.29400323E-13					2	
	-4.48937501E+04	-1.82929463E+02	-6.09865530E+00	1.43753294E-01	-1.02846650E-04					3	
	3.60446144E-08	-4.99177526E-12	-2.86230968E+04	6.61049600E+01						4	
CpchgEqI	1/18/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1385.000	71	
	4.00834978E+01	3.91383697E-02	-1.38348780E-05	2.19603973E-09	-1.29400323E-13					2	
	-4.48937501E+04	-1.82929463E+02	-6.09865530E+00	1.43753294E-01	-1.02846650E-04					3	
	3.60446144E-08	-4.99177526E-12	-2.86230968E+04	6.61049600E+01						4	
GpchgEqI	1/18/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1385.000	71	
	4.00834978E+01	3.91383697E-02	-1.38348780E-05	2.19603973E-09	-1.29400323E-13					2	
	-4.48937501E+04	-1.82929463E+02	-6.09865530E+00	1.43753294E-01	-1.02846650E-04					3	
	3.60446144E-08	-4.99177526E-12	-2.86230968E+04	6.61049600E+01						4	
CpchgFqH	2/ 8/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1388.000	71	
	3.76961616E+01	3.84007436E-02	-1.29967890E-05	2.00654837E-09	-1.16056518E-13					2	
	-2.01476817E+04	-1.66313119E+02	-5.87344793E+00	1.39056222E-01	-9.94147365E-05					3	
	3.46108994E-08	-4.65253523E-12	-5.18249670E+03	6.76217200E+01						4	
DpchgFqH	2/ 8/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1380.000	71	
	3.92349548E+01	3.98708357E-02	-1.40896190E-05	2.23597594E-09	-1.31731277E-13					2	
	-4.55169289E+04	-1.78241460E+02	-3.48870219E+00	1.32238067E-01	-8.74660127E-05					3	
	2.75000213E-08	-3.27542660E-12	-2.99906288E+04	5.37643453E+01						4	
EpchgFqH	2/ 8/	8 THERMc	9h	17o	4	OG	300.000	5000.000	1388.000	71	
	3.76961616E+01	3.84007436E-02	-1.29967890E-05	2.00654837E-09	-1.16056518E-13					2	
	-2.01476817E+04	-1.66313119E+02	-5.87344793E+00	1.39056222E-01	-9.94147365E-05					3	
	3.46108994E-08	-4.65253523E-12	-5.18249670E+03	6.76217200E+01						4	
Dc6e5oA	7/ 6/	7 THERMc	6h	9o	1	OG	300.000	5000.000	1380.000	31	
	1.87533632E+01	2.11438984E-02	-7.15428106E-06	1.10383345E-09	-6.38003382E-14					2	
	-6.85142738E+03	-7.01438364E+01	7.30435734E-01	6.14568820E-02	-4.11029744E-05					3	
	1.39464686E-08	-1.91355310E-12	-4.18597373E+02	2.72797378E+01						4	
Fc9oAoG	1/16/	8 THERMc	9h	15o	2	OG	300.000	5000.000	1380.000	71	
	3.14659197E+01	3.37383951E-02	-1.14253460E-05	1.76385238E-09	-1.01991476E-13					2	
	-4.43649999E+04	-1.28574911E+02	2.93531495E+00	9.97837565E-02	-7.05750415E-05					3	
	2.63069584E-08	-4.09146298E-12	-3.43240864E+04	2.49933463E+01						4	
Fc9oAoH	7/ 9/	7 THERMc	9h	15o	2	OG	300.000	5000.000	1370.000	81	
	2.98747876E+01	3.45786259E-02	-1.16993036E-05	1.80521486E-09	-1.04351068E-13					2	
	-4.18341533E+04	-1.17277776E+02	4.10890786E+00	8.56728498E-02	-4.64057003E-05					3	
	1.04963951E-08	-5.13336046E-13	-3.19962620E+04	2.42999467E+01						4	
MeDc8oCoIrH	1/16/8	THERMc	9h	15o	2	OG	300.000	5000.000	1389.000	81	
	2.96267272E+01	3.62166928E-02	-1.25501950E-05	1.96552703E-09	-1.14728809E-13					2	
	-4.18082751E+04	-1.17313977E+02	7.45203122E-01	1.01460554E-01	-6.92983566E-05					3	
	2.47609880E-08	-3.69967108E-12	-3.14440270E+04	3.87749281E+01						4	
MeDc8oBoIrH	1/4/08		c	9h	15o	20	OG	300.00	5000.00	1000.00	1
	0.88368435E+01	0.65071113E-01	-0.23963048E-04	0.40464827E-08	-0.25951103E-12					2	
	-0.31499137E+05	0.47441864E+00	-0.26377397E+01	0.11871772E+00	-0.99430275E-04					3	
	0.44851163E-07	-0.78078741E-11	-0.30383611E+05	0.52110577E+02						4	
MeEc8oAoFrI	7/9/	7 THERMc	9h	15o	2	OG	300.000	5000.000	1386.000	81	

2.97125065E+01	3.57065597E-02	-1.22803613E-05	1.91385849E-09	-1.11340978E-13	2
-4.14867894E+04	-1.17451902E+02	1.66225757E+00	9.95807618E-02	-6.85032768E-05	3
2.48591631E-08	-3.78775770E-12	-3.14699606E+04	3.39686628E+01		4
EtDc7oEoIrA	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	81
2.97125065E+01	3.57065597E-02	-1.22803613E-05	1.91385849E-09	-1.11340978E-13	2
-4.14867894E+04	-1.17451902E+02	1.66225757E+00	9.95807618E-02	-6.85032768E-05	3
2.48591631E-08	-3.78775770E-12	-3.14699606E+04	3.39686628E+01		4
Fc9oAoE	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1379.000	81
3.18505943E+01	3.33107961E-02	-1.13476384E-05	1.75885705E-09	-1.01985332E-13	2
-4.45655615E+04	-1.30847376E+02	2.97649091E+00	9.94694908E-02	-6.98559603E-05	3
2.57080712E-08	-3.94588756E-12	-3.43276331E+04	2.48254832E+01		4
MeEc8oDoIrA	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1387.000	81
2.96138534E+01	3.60523558E-02	-1.24557250E-05	1.94692598E-09	-1.13492286E-13	2
-4.14556183E+04	-1.17319078E+02	1.56272942E+00	9.78889609E-02	-6.41372897E-05	3
2.15662750E-08	-2.98915635E-12	-3.12616506E+04	3.47830154E+01		4
c9oyAoF	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1376.000	81
3.02253938E+01	3.44767510E-02	-1.17032733E-05	1.80958081E-09	-1.04746787E-13	2
-4.67293895E+04	-1.20486027E+02	3.82542118E+00	9.19629103E-02	-5.90659760E-05	3
1.95503941E-08	-2.68390507E-12	-3.70485182E+04	2.29464940E+01		4
EtDc7oAoCrI	1/18/8 THERMc	9h 15o 2 OG	300.000	5000.000 1390.000	81
2.99144766E+01	3.59996957E-02	-1.24827108E-05	1.95586600E-09	-1.14204943E-13	2
-4.13101722E+04	-1.19219214E+02	-1.00440045E+00	1.06534310E-01	-7.41481405E-05	3
2.66688199E-08	-3.95830545E-12	-3.03437237E+04	4.75356234E+01		4
EtDc7oAoHrI	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1390.000	71
3.09337278E+01	3.51551567E-02	-1.21032289E-05	1.88753802E-09	-1.09861225E-13	2
-4.51495369E+04	-1.26602019E+02	5.07484681E-01	1.06184073E-01	-7.60587321E-05	3
2.84083204E-08	-4.38532518E-12	-3.45347831E+04	3.68970349E+01		4
MeEc8oAoDrI	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	81
2.97125065E+01	3.57065597E-02	-1.22803613E-05	1.91385849E-09	-1.11340978E-13	2
-4.14867894E+04	-1.17451902E+02	1.66225757E+00	9.95807618E-02	-6.85032768E-05	3
2.48591631E-08	-3.78775770E-12	-3.14699606E+04	3.39686628E+01		4
EtDc7oCoIrA	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1386.000	81
2.97125065E+01	3.57065597E-02	-1.22803613E-05	1.91385849E-09	-1.11340978E-13	2
-4.14867894E+04	-1.17451902E+02	1.66225757E+00	9.95807618E-02	-6.85032768E-05	3
2.48591631E-08	-3.78775770E-12	-3.14699606E+04	3.39686628E+01		4
Ac9oBoF	1/21/8 THERMc	9h 15o 2 OG	300.000	5000.000 1379.000	71
3.11233118E+01	3.41906913E-02	-1.16160657E-05	1.79716343E-09	-1.04072185E-13	2
-4.81089940E+04	-1.26341024E+02	2.46495051E+00	9.99467067E-02	-6.99819410E-05	3
2.58337117E-08	-3.99244879E-12	-3.79448123E+04	2.81559319E+01		4
Ac9oDoF	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1385.000	81
2.90181835E+01	3.67973560E-02	-1.27643337E-05	2.00037018E-09	-1.16814188E-13	2
-4.38599346E+04	-1.12887969E+02	1.29974111E+00	9.93476795E-02	-6.78934959E-05	3
2.48443979E-08	-3.88204677E-12	-3.38178265E+04	3.70884181E+01		4
Fc9oAoD	7/9/7 THERMc	9h 15o 2 OG	300.000	5000.000 1372.000	81
2.97313237E+01	3.48126628E-02	-1.18025608E-05	1.82350041E-09	-1.05497978E-13	2
-4.18878252E+04	-1.16179646E+02	4.58943120E+00	8.57330821E-02	-4.85363569E-05	3
1.26911055E-08	-1.13300283E-12	-3.23237033E+04	2.17112848E+01		4
MeEc8oCoIrA	1/4/08	c 9h 15o 20 OG	300.00	5000.00 1000.00	1
-0.40756783E+01	0.86771622E-01	-0.34801928E-04	0.62393797E-08	-0.41729890E-12	2
-0.26415008E+05	0.72926910E+02	-0.29907429E+01	0.12245014E+00	-0.10571197E-03	3
0.46732833E-07	-0.68548734E-11	-0.30538365E+05	0.53320526E+02		4
MeEc8oAoCrI	7/10/7 THERMc	9h 15o 2 OG	300.000	5000.000 1387.000	81
2.97880962E+01	3.58695986E-02	-1.23858980E-05	1.93539176E-09	-1.12797263E-13	2
-4.10847203E+04	-1.18183982E+02	3.74539748E-01	1.02782821E-01	-7.09296535E-05	3
2.55368408E-08	-3.82694514E-12	-3.06043074E+04	4.05685529E+01		4
EtDc7oBoIrA	7/10/7 THERMc	9h 15o 2 OG	300.000	5000.000 1381.000	71
3.18298050E+01	3.33811623E-02	-1.12937878E-05	1.74263199E-09	-1.00733854E-13	2
-4.55668544E+04	-1.31297570E+02	1.70530055E+00	1.02733686E-01	-7.22490557E-05	3
2.61846958E-08	-3.88791497E-12	-3.50045893E+04	3.08548089E+01		4
Ac9oCoF	7/10/7 THERMc	9h 15o 2 OG	300.000	5000.000 1377.000	81
2.96831700E+01	3.51640467E-02	-1.19869089E-05	1.85842451E-09	-1.07767174E-13	2



-4.43825141E+04-1.16009616E+02 3.88636797E+00 9.22357850E-02-6.09674967E-05	3
2.15732995E-08-3.27650054E-12-3.49218003E+04 2.39797633E+01	4
MeEc8oBoIrA 7/10/7 THERMc 9h 15o 2 OG 300.000 5000.000 1390.000	71
3.09337278E+01 3.51551567E-02-1.21032289E-05 1.88753802E-09-1.09861225E-13	2
-4.51495369E+04-1.26602019E+02 5.07484681E-01 1.06184073E-01-7.60587321E-05	3
2.84083204E-08-4.38532518E-12-3.45347831E+04 3.68970349E+01	4
Fc9oAoC 7/10/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1374.000	81
3.02598296E+01 3.43355466E-02-1.16350093E-05 1.79729596E-09-1.03978217E-13	2
-4.15167294E+04-1.19609908E+02 1.42638534E+00 9.48581779E-02-5.71983819E-05	3
1.60129793E-08-1.55770604E-12-3.08755961E+04 3.75802614E+01	4
c9oAoGqjF c 9h 15o 40 OG 300.00 5000.00 1000.00	1
-0.19290017E+01 0.92171282E-01-0.37363196E-04 0.67486146E-08-0.45372687E-12	2
-0.45436879E+05 0.66876305E+02-0.35133681E+00 0.12645023E+00-0.99929326E-04	3
0.34471313E-07-0.15741209E-11-0.50005230E+05 0.44021484E+02	4
Hc9oAoGqF c 9h 15o 40 OG 300.00 5000.00 1000.00	1
-0.14942043E+01 0.91542527E-01-0.37050773E-04 0.66835164E-08-0.44886664E-12	2
-0.42859133E+05 0.66084206E+02 0.12568151E+01 0.12324437E+00-0.98152937E-04	3
0.34464524E-07-0.16774980E-11-0.47793211E+05 0.36976910E+02	4
c9oAoGqFqjH c 9h 15o 60 OG 300.00 5000.00 1000.00	1
0.61417317E+00 0.96326254E-01-0.39187515E-04 0.70957493E-08-0.47789604E-12	2
-0.57651582E+05 0.61537331E+02 0.28659555E+00 0.13987815E+00-0.11005420E-03	3
0.33157047E-07 0.97976694E-12-0.62284586E+05 0.46630081E+02	4
c9oAoGoFqH c 9h 14o 50 OG 300.00 5000.00 1000.00	1
-0.11032518E+02 0.11074123E+00-0.48693168E-04 0.93120329E-08-0.65205209E-12	2
-0.70188781E+05 0.12299390E+03 0.10509672E+01 0.12655514E+00-0.99699173E-04	3
0.30651201E-07 0.89817476E-12-0.78822062E+05 0.41712605E+02	4
c7oyAoBoG c 7h 9o 30 OG 300.00 5000.00 1000.00	1
0.15766535E+02 0.34107659E-01-0.11334856E-04 0.17793563E-08-0.10842504E-12	2
-0.41597469E+05-0.47571815E+02 0.27188811E+01 0.71805649E-01-0.43982876E-04	3
0.76987590E-08 0.19493706E-11-0.38407547E+05 0.18696613E+02	4
c6oyAoF c 6h 9o 20 OG 300.00 5000.00 1000.00	1
0.20434444E+01 0.48103027E-01-0.18208615E-04 0.31356886E-08-0.20392374E-12	2
-0.23651236E+05 0.32556492E+02 0.25789831E+01 0.64590007E-01-0.49646515E-04	3
0.19607739E-07-0.22939463E-11-0.25650973E+05 0.23120913E+02	4
c5oAqjE c 5h 9o 30 OG 300.00 5000.00 1000.00	1
0.92790213E+01 0.36875311E-01-0.12888110E-04 0.20983681E-08-0.13123510E-12	2
-0.24125975E+05-0.87658920E+01 0.13628579E+01 0.69948934E-01-0.53353746E-04	3
0.18794582E-07-0.15398432E-11-0.23150410E+05 0.27862970E+02	4
Cc5oAqE c 5h 9o 30 OG 300.00 5000.00 1000.00	1
0.10095243E+02 0.34485161E-01-0.11634027E-04 0.18476217E-08-0.11358547E-12	2
-0.18312146E+05-0.89844284E+01 0.15505205E+01 0.77936172E-01-0.80164558E-04	3
0.46116327E-07-0.10761308E-10-0.17587051E+05 0.28760378E+02	4
Bc5oAqE c 5h 9o 30 OG 300.00 5000.00 1000.00	1
0.99270535E+01 0.35819430E-01-0.12383472E-04 0.19994346E-08-0.12425423E-12	2
-0.21584785E+05-0.10652481E+02 0.18027413E+01 0.74894354E-01-0.69892478E-04	3
0.35675889E-07-0.72549185E-11-0.20821248E+05 0.25705048E+02	4
c5oAqEqjC c 5h 9o 50 OG 300.00 5000.00 1000.00	1
0.87498121E+01 0.45478068E-01-0.16690403E-04 0.28109026E-08-0.17989684E-12	2
-0.35711629E+05 0.29693680E+01 0.27309670E+01 0.83536774E-01-0.69718830E-04	3
0.25327658E-07-0.17411679E-11-0.36362930E+05 0.25886320E+02	4
c5oAqEqjB c 5h 9o 50 OG 300.00 5000.00 1000.00	1
0.12106284E+02 0.40465612E-01-0.14355704E-04 0.23604059E-08-0.14854746E-12	2
-0.28288756E+05-0.16344719E+02 0.17671829E+01 0.85008398E-01-0.67428045E-04	3
0.21454662E-07-0.40418653E-12-0.27252703E+05 0.30767811E+02	4
c5oAoEqC c 5h 8o 40 OG 300.00 5000.00 1000.00	1
-0.32088516E+01 0.60579728E-01-0.26163132E-04 0.49401825E-08-0.34276648E-12	2
-0.48915699E+05 0.65546494E+02 0.39207497E+01 0.67004077E-01-0.50041352E-04	3
0.13210291E-07 0.16003881E-11-0.53754227E+05 0.18569231E+02	4
c5oAoEqB c 5h 8o 40 OG 300.00 5000.00 1000.00	1
0.28710470E+00 0.55055670E-01-0.23342032E-04 0.43504635E-08-0.29904952E-12	2
-0.49657961E+05 0.46274975E+02 0.25731106E+01 0.71120851E-01-0.54056527E-04	3

0.15579356E-07	0.74742035E-12	0.52754910E+05	0.25771290E+02	4					
Ac7oBoG	c	7h	11o	20	OG	300.00	5000.00	1000.00	1
0.57465081E+01	0.52773427E-01	0.19852416E-04	0.34027108E-08	0.22050100E-12	2				
-0.26060684E+05	0.12071907E+02	0.93713850E+00	0.83537467E-01	0.65706146E-04	3				
0.26528747E-07	0.34894837E-11	0.26476469E+05	0.30565247E+02	4					
c7oBoGqjA	c	7h	11o	40	OG	300.00	5000.00	1000.00	1
0.26944344E+01	0.64510293E-01	0.25134512E-04	0.44147441E-08	0.29099219E-12	2				
-0.39647637E+05	0.37090340E+02	0.30049584E+01	0.89698248E-01	0.69458940E-04	3				
0.24125754E-07	0.12402914E-11	0.42515223E+05	0.25586559E+02	4					
Cc7oBoGqA	c	7h	11o	40	OG	300.00	5000.00	1000.00	1
0.33533549E+01	0.63405991E-01	0.24581897E-04	0.43027217E-08	0.28291936E-12	2				
-0.37101602E+05	0.34978249E+02	0.36016924E+01	0.93754776E-01	0.84063468E-04	3				
0.39182130E-07	0.63321674E-11	0.40207145E+05	0.22540636E+02	4					
Dc7oBoGqA	c	7h	11o	40	OG	300.00	5000.00	1000.00	1
0.37025263E+01	0.61645929E-01	0.23521443E-04	0.40724313E-08	0.26579593E-12	2				
-0.33886699E+05	0.35869377E+02	0.31020947E+01	0.98321587E-01	0.97816395E-04	3				
0.53007437E-07	0.11018631E-10	0.36942301E+05	0.26865372E+02	4					
c7oBoGqAqjC	c	7h	11o	60	OG	300.00	5000.00	1000.00	1
0.54375796E+01	0.68305947E-01	0.26764526E-04	0.47201838E-08	0.31203623E-12	2				
-0.51936719E+05	0.30644737E+02	0.31825981E+01	0.10633914E+00	0.87356435E-04	3				
0.30627170E-07	0.14730001E-11	0.54745586E+05	0.30138937E+02	4					
c7oBoGqAqjD	c	7h	11o	60	OG	300.00	5000.00	1000.00	1
0.18659595E+01	0.73823661E-01	0.29471194E-04	0.52659734E-08	0.35133848E-12	2				
-0.51143453E+05	0.51095490E+02	0.43557930E+01	0.10342391E+00	0.86200220E-04	3				
0.31078187E-07	0.16045798E-11	0.55726145E+05	0.24369843E+02	4					
c7oAoBoGqC	c	7h	10o	50	OG	300.00	5000.00	1000.00	1
0.17071524E+02	0.43506615E-01	0.16022970E-04	0.27066369E-08	0.17366572E-12	2				
-0.71202531E+05	0.45257080E+02	0.29678373E+01	0.92120066E-01	0.65783002E-04	3				
0.16612910E-07	0.11371451E-11	0.68557625E+05	0.23471167E+02	4					
c7oAoBoGqD	c	7h	10o	50	OG	300.00	5000.00	1000.00	1
0.13786811E+02	0.48444510E-01	0.18356021E-04	0.31621039E-08	0.20562667E-12	2				
-0.70509695E+05	0.26367142E+02	0.41797094E+01	0.88949621E-01	0.64049818E-04	3				
0.16527069E-07	0.11812038E-11	0.69542492E+05	0.17536459E+02	4					
EtDc7oEoIqjA	c	9h	15o	4	G	0300.00	5000.00	1000.00	1
-0.20730462E+01	0.91257989E-01	0.36681755E-04	0.65852737E-08	0.44078597E-12	2				
-0.44062090E+05	0.67535675E+02	0.16403650E+01	0.12691739E+00	0.98965931E-04	3				
0.33667408E-07	0.14365055E-11	0.48134473E+05	0.51251064E+02	4					
CEtDc7oEoIqA	c	9h	15o	4	G	0300.00	5000.00	1000.00	1
-0.92819405E+00	0.88095620E-01	0.34857956E-04	0.61888694E-08	0.41100939E-12	2				
-0.38346805E+05	0.65580742E+02	0.13875757E+01	0.13445264E+00	0.12469011E-03	3				
0.59903805E-07	0.10273710E-10	0.42578078E+05	0.51873787E+02	4					
DEtDc7oEoIqA	c	9h	15o	4	G	0300.00	5000.00	1000.00	1
-0.17019796E+01	0.89986838E-01	0.35927875E-04	0.64205437E-08	0.42843065E-12	2				
-0.42913176E+05	0.66822617E+02	0.12752949E+01	0.13353914E+00	0.12236206E-03	3				
0.58264025E-07	0.99013592E-11	0.47370898E+05	0.48627045E+02	4					
EtDc7oEoIqAqjC	c	9h	15o	6	G	0300.00	5000.00	1000.00	1
-0.31383259E+01	0.10103292E+00	0.41295982E-04	0.75005540E-08	0.50617030E-12	2				
-0.55475082E+05	0.82832954E+02	0.46815168E-01	0.13827313E+00	0.10992013E-03	3				
0.34749448E-07	0.30894539E-12	0.61380859E+05	0.48615891E+02	4					
EtDc7oEoIqAqjD Therm	c	9h	15o	6	G	0300.00	5000.00	1384.00	1
4.05030529E+01	3.66242241E-02	1.28574501E-05	2.03130466E-09	1.19294130E-13	2				
-7.44979807E+04	1.67579265E+02	5.20187866E+00	1.19634472E-01	8.94824467E-05	3				
3.52254844E-08	5.79131222E-12	6.21184535E+04	2.21145556E+01	4					
EtDc7oAoEoIqC	c	9h	14o	5	G	0300.00	5000.00	1000.00	1
-0.15689080E+02	0.11799451E+00	0.52420415E-04	0.10098985E-07	0.71096324E-12	2				
-0.68574562E+05	0.14831674E+03	0.79051042E+00	0.12484850E+00	0.97741380E-04	3				
0.30146836E-07	0.98156563E-12	0.78724625E+05	0.43180508E+02	4					
EtDc7oAoEoIqD Therm	c	9h	14o	5	G	0300.00	5000.00	1386.00	1
3.40674600E+01	3.48022068E-02	1.15826042E-05	1.76697150E-09	1.01318235E-13	2				
-7.07651285E+04	1.33586175E+02	5.39214321E+00	1.04906033E-01	7.85536028E-05	3				
3.14699561E-08	5.22889226E-12	6.10764798E+04	1.93868266E+01	4					

Cc6oAoD	c	6h	9o	2	G	0300.00	5000.00	1000.00	1
-0.92154627E+01	0.68340041E-01	-0.28726696E-04	0.53221725E-08	-0.36430836E-12					2
-0.20455131E+05	0.92964493E+02	0.80882484E+00	0.77625364E-01	-0.74132498E-04					3
0.37519889E-07	-0.65599327E-11	-0.26797117E+05	0.27953074E+02						4
MeCc6oAoDoG 1/7/8 THERMc	7h	10o	3	OG	300.000	5000.000	1384.000		61
2.45254735E+01	2.62608294E-02	-9.14884926E-06	1.43800082E-09	-8.41491619E-14					2
-6.82182341E+04	-9.17903111E+01	2.64040924E+00	7.59216897E-02	-5.29347911E-05					3
1.94647263E-08	-3.01807025E-12	-6.03541344E+04	2.64644652E+01						4
MeCc6oyAoDoG 1/7/8 THERMc	7h	9o	3	OG	300.000	5000.000	1384.000		61
2.41383222E+01	2.40722903E-02	-8.40087279E-06	1.32198513E-09	-7.74242093E-14					2
-4.92638171E+04	-8.80407748E+01	3.36114405E+00	7.13435180E-02	-5.01736605E-05					3
1.85447735E-08	-2.88185362E-12	-4.18174672E+04	2.41717897E+01						4
MeCc6oAoDoyG 1/7/8 THERMc	7h	9o	3	OG	300.000	5000.000	1384.000		61
2.41383222E+01	2.40722903E-02	-8.40087279E-06	1.32198513E-09	-7.74242093E-14					2
-4.92638171E+04	-8.80407748E+01	3.36114405E+00	7.13435180E-02	-5.01736605E-05					3
1.85447735E-08	-2.88185362E-12	-4.18174672E+04	2.41717897E+01						4
c6oAoCoF	c	6h	8o	3	G	0300.00	5000.00	1000.00	1
0.14098532E+02	0.30795943E-01	-0.10932709E-04	0.17986844E-08	-0.11325675E-12					2
-0.61412609E+05	-0.32908203E+02	-0.57053739E+00	0.80996305E-01	-0.78441219E-04					3
0.43513122E-07	-0.99128535E-11	-0.57809574E+05	0.40521118E+02						4
c6oyAoCoF	c	6h	7o	3	G	0300.00	5000.00	1000.00	1
0.18067482E+02	0.20482169E-01	-0.58505107E-05	0.82518825E-09	-0.46761541E-13					2
-0.44963820E+05	-0.53090500E+02	-0.45904231E+00	0.81432052E-01	-0.90764937E-04					3
0.59187816E-07	-0.15965045E-10	-0.40014426E+05	0.40918900E+02						4
c6oAoCoyF	c	6h	7o	3	G	0300.00	5000.00	1000.00	1
0.18067482E+02	0.20482169E-01	-0.58505107E-05	0.82518825E-09	-0.46761541E-13					2
-0.44963820E+05	-0.53090500E+02	-0.45904231E+00	0.81432052E-01	-0.90764937E-04					3
0.59187816E-07	-0.15965045E-10	-0.40014426E+05	0.40918900E+02						4
Ec5oAoD	c	5h	7o	2	G	0300.00	5000.00	1000.00	1
0.24140787E+01	0.397777819E-01	-0.15238291E-04	0.26444471E-08	-0.17280930E-12					2
-0.19328053E+05	0.25861088E+02	0.13315578E+01	0.60074516E-01	-0.52372219E-04					3
0.24509891E-07	-0.41529766E-11	-0.20686230E+05	0.25315708E+02						4
Ec5oAoC	c	5h	7o	2	G	0300.00	5000.00	1000.00	1
-0.87029057E+01	0.57888906E-01	-0.24380874E-04	0.45227928E-08	-0.30984986E-12					2
-0.14972970E+05	0.90179802E+02	-0.16789705E+01	0.71964003E-01	-0.73224946E-04					3
0.39785750E-07	-0.79061280E-11	-0.20049578E+05	0.42151867E+02						4
MeBc5oAoCrF 1/7/ 8 THERMc	6h	9o	2	OG	300.000	5000.000	1387.000		51
2.01518048E+01	2.26717762E-02	-7.89070781E-06	1.23940601E-09	-7.24926488E-14					2
-2.95222312E+04	-7.07081435E+01	1.21705261E+00	6.57273269E-02	-4.57871857E-05					3
1.67325504E-08	-2.56348961E-12	-2.27454876E+04	3.15416242E+01						4
c9oAoCqjF	c	9h	15o	40	OG	300.00	5000.00	1000.00	1
-0.41779094E+01	0.95773190E-01	-0.39168801E-04	0.71177211E-08	-0.48053748E-12					2
-0.46613660E+05	0.79898666E+02	-0.16085118E+01	0.12763672E+00	-0.99557903E-04					3
0.33821063E-07	-0.13488938E-11	-0.51487285E+05	0.51796898E+02						4
Dc9oAoCqF	c	9h	15o	40	OG	300.00	5000.00	1000.00	1
-0.35573742E+01	0.94719782E-01	-0.38634251E-04	0.70085440E-08	-0.47265262E-12					2
-0.44049059E+05	0.78048119E+02	-0.10456243E+01	0.13193285E+00	-0.11473608E-03					3
0.49444392E-07	-0.66391901E-11	-0.49175719E+05	0.48931767E+02						4
c9oAoCqFqjD	c	9h	15o	60	OG	300.00	5000.00	1000.00	1
-0.13701973E+01	0.99472173E-01	-0.40758074E-04	0.74159758E-08	-0.50110870E-12					2
-0.58931078E+05	0.72392143E+02	-0.12817020E+01	0.14323834E+00	-0.11494941E-03					3
0.37814775E-07	-0.69295448E-12	-0.63733543E+05	0.55025368E+02						4
c9oAoCoFqD	c	9h	14o	50	OG	300.00	5000.00	1000.00	1
-0.21894081E+02	0.12983495E+00	-0.59072558E-04	0.11575034E-07	-0.82496038E-12					2
-0.70532828E+05	0.18295752E+03	-0.49844745E+00	0.12751600E+00	-0.98543031E-04					3
0.28860123E-07	0.19584180E-11	-0.82490117E+05	0.50758362E+02						4
c6oAoC	c	6h	10o	20	OG	300.00	5000.00	1000.00	1
-0.11239057E+02	0.76026723E-01	-0.33668450E-04	0.64722347E-08	-0.45495069E-12					2
-0.41857008E+05	0.10358839E+03	-0.10151640E+01	0.74705735E-01	-0.51856190E-04					3
0.14023149E-07	0.11234732E-11	-0.47561238E+05	0.40467514E+02						4
c6oyAoC	c	6h	9o	20	OG	300.00	5000.00	1000.00	1

-0.80460176E+01	0.65331616E-01	-0.26972226E-04	0.49348654E-08	-0.33482733E-12	2
-0.24849988E+05	0.88510773E+02	-0.63103408E+00	0.73079273E-01	-0.58702906E-04	3
0.23603915E-07	-0.25146205E-11	-0.29793209E+05	0.39729496E+02		4
MeEc8oAoCqjI	c	9h 15o 40	OG	300.00 5000.00 1000.00	1
0.62990255E+01	0.77468850E-01	-0.29782859E-04	0.51834177E-08	-0.33951745E-12	2
-0.48810156E+05	0.20968681E+02	-0.10861167E+01	0.12299351E+00	-0.92500261E-04	3
0.31236574E-07	-0.18821938E-11	-0.49486301E+05	0.49518764E+02		4
DMeEc8oAoCqI	c	9h 15o 40	OG	300.00 5000.00 1000.00	1
0.69497166E+01	0.76385066E-01	-0.29245974E-04	0.50755848E-08	-0.33180701E-12	2
-0.46261656E+05	0.18944656E+02	-0.49126458E+00	0.12707229E+00	-0.10716567E-03	3
0.46356103E-07	-0.69965934E-11	-0.47178227E+05	0.46523777E+02		4
GMeEc8oAoCqI	c	9h 15o 40	OG	300.00 5000.00 1000.00	1
0.70092278E+01	0.75226724E-01	-0.28505221E-04	0.49114939E-08	-0.31948164E-12	2
-0.42988723E+05	0.21273552E+02	0.11721483E+00	0.12379012E+00	-0.10321677E-03	3
0.43850044E-07	-0.62575297E-11	-0.44021586E+05	0.46179268E+02		4
MeEc8oAoCqIqjD	c	9h 15o 60	OG	300.00 5000.00 1000.00	1
0.91509008E+01	0.81063397E-01	-0.31288877E-04	0.54586820E-08	-0.35804367E-12	2
-0.61142234E+05	0.13919571E+02	-0.58366567E+00	0.13737048E+00	-0.10493544E-03	3
0.32265891E-07	-0.17261417E-12	-0.61751246E+05	0.52697681E+02		4
MeEc8oAoCqIqjG	c	9h 15o 60	OG	300.00 5000.00 1000.00	1
0.57856483E+01	0.86201206E-01	-0.33777043E-04	0.59549849E-08	-0.39346952E-12	2
-0.60698688E+05	0.33232231E+02	0.82225001E+00	0.13285576E+00	-0.99977740E-04	3
0.28967033E-07	-0.10063488E-11	-0.63028641E+05	0.45943325E+02		4
MeEc8oAoCoIqD	c	9h 14o 50	OG	300.00 5000.00 1000.00	1
-0.10785287E+02	0.11025336E+00	-0.48431000E-04	0.92571888E-08	-0.64806477E-12	2
-0.71293500E+05	0.12052492E+03	-0.25769784E+01	0.13024001E+00	-0.95805452E-04	3
0.24750278E-07	0.28223910E-11	-0.78271008E+05	0.61492546E+02		4
MeEc8oAoCoIqG	c	9h 14o 50	OG	300.00 5000.00 1000.00	1
-0.14317171E+02	0.11589837E+00	-0.51347739E-04	0.98723154E-08	-0.69395103E-12	2
-0.70821430E+05	0.14065730E+03	-0.13874002E+01	0.12719008E+00	-0.94276213E-04	3
0.24783596E-07	0.28529147E-11	-0.79524758E+05	0.55656971E+02		4
MeBc5oAoF 1/ 9/ 8 THERMc	6h 10o 2	OG	300.000 5000.000 1390.000		51
2.10159275E+01	2.43673827E-02	-8.45010952E-06	1.32412873E-09	-7.73226832E-14	2
-5.08245617E+04	-7.86361280E+01	2.37645397E-01	7.08275236E-02	-4.77729168E-05	3
1.63716950E-08	-2.28399884E-12	-4.33766855E+04	3.37344377E+01		4
MeBc5oyAoF 1/ 9/ 8 THERMc	6h 9o 2	OG	300.000 5000.000 1389.000		51
2.08727906E+01	2.20126804E-02	-7.65449113E-06	1.20173109E-09	-7.02702868E-14	2
-3.19968544E+04	-7.63590817E+01	1.06869663E+00	6.55206346E-02	-4.32226822E-05	3
1.40420166E-08	-1.79383400E-12	-2.48537078E+04	3.09627260E+01		4
c9oDoFqjA	c	9h 15o 40	OG	300.00 5000.00 1000.00	1
-0.11662315E+02	0.10787868E+00	-0.45333709E-04	0.83967890E-08	-0.57464054E-12	2
-0.45232492E+05	0.12178293E+03	-0.17363632E+01	0.12656046E+00	-0.98426623E-04	3
0.32731720E-07	-0.58687858E-12	-0.52882980E+05	0.52972961E+02		4
Cc9oDoFqA	c	9h 15o 40	OG	300.00 5000.00 1000.00	1
-0.10995963E+02	0.10673120E+00	-0.44735341E-04	0.82712956E-08	-0.56536123E-12	2
-0.42683625E+05	0.11968140E+03	-0.14442507E+01	0.13274308E+00	-0.11815168E-03	3
0.52904984E-07	-0.74903937E-11	-0.50542578E+05	0.51250160E+02		4
c9oDoFqAqjC	c	9h 15o 60	OG	300.00 5000.00 1000.00	1
-0.90834856E+01	0.11198568E+00	-0.47147118E-04	0.87443635E-08	-0.59901135E-12	2
-0.57462117E+05	0.11623879E+03	-0.13382232E+01	0.14163928E+00	-0.11249125E-03	3
0.35329748E-07	0.58763514E-12	-0.65136473E+05	0.56596416E+02		4
c9oAoDoFqC	c	9h 14o 50	OG	300.00 5000.00 1000.00	1
-0.21894081E+02	0.12983495E+00	-0.59072558E-04	0.11575034E-07	-0.82496038E-12	2
-0.70532828E+05	0.18295752E+03	-0.49844745E+00	0.12751600E+00	-0.98543031E-04	3
0.28860123E-07	0.19584180E-11	-0.82490117E+05	0.50758362E+02		4
EtDc7oArI	c	9h 17o 10	OG	300.00 5000.00 1000.00	1
0.19707403E+02	0.49297981E-01	-0.16142314E-04	0.25086584E-08	-0.15186238E-12	2
-0.22573354E+05	-0.64419701E+02	-0.94374871E+00	0.11347138E+00	-0.89680092E-04	3
0.40064567E-07	-0.77065854E-11	-0.17374340E+05	0.40198936E+02		4
EtDc7oAqjI	c	9h 17o 30	OG	300.00 5000.00 1000.00	1
0.21609089E+02	0.53857230E-01	-0.17990555E-04	0.28395071E-08	-0.17394243E-12	2

-0.40163562E+05-0.69198257E+02 0.72488815E+00	0.11571302E+00-0.77544340E-04	3
0.21578144E-07-0.35606788E-12-0.35004230E+05	0.36785110E+02	4
DEtDc7oAqI c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.22028727E+02 0.51586125E-01-0.16758318E-04	0.25927169E-08-0.15661912E-12	2
-0.35719324E+05-0.67469910E+02 0.34387225E+00	0.12861285E+00-0.11880427E-03	3
0.64101762E-07-0.14958049E-10-0.30949486E+05	0.39517361E+02	4
EtDc7oAqIqjD c 9h 17o 50 OG	300.00 5000.00 1000.00	1
0.13192735E+02 0.75477123E-01-0.27927206E-04	0.47297930E-08-0.30385950E-12	2
-0.50563574E+05-0.13351852E+02 0.17226167E+01	0.13208276E+00-0.98008830E-04	3
0.29173398E-07 0.13413072E-12-0.50234230E+05	0.36058720E+02	4
EtDc7oAoIqD c 9h 16o 40 OG	300.00 5000.00 1000.00	1
0.12688339E+01 0.90234101E-01-0.36986999E-04	0.67309451E-08-0.45483777E-12	2
-0.63737656E+05 0.49160278E+02 0.25990255E+01	0.11769840E+00-0.83421881E-04	3
0.22061567E-07 0.17316886E-11-0.67591664E+05	0.30067940E+02	4
c7oAoD c 7h 12o 20 OG	300.00 5000.00 1000.00	1
-0.10871086E+02 0.84257521E-01-0.36654397E-04	0.69569905E-08-0.48450442E-12	2
-0.43244383E+05 0.10404272E+03 0.13054632E+01	0.81709594E-01-0.56189387E-04	3
0.14539792E-07 0.16800742E-11-0.49963922E+05	0.29176781E+02	4
c7oyAoD c 7h 11o 20 OG	300.00 5000.00 1000.00	1
-0.77518487E+01 0.73803537E-01-0.30178713E-04	0.54840616E-08-0.37027925E-12	2
-0.26225336E+05 0.89327576E+02 0.15636251E+01	0.80936842E-01-0.65038796E-04	3
0.26075456E-07-0.26360544E-11-0.32182129E+05	0.28977947E+02	4
EtDc7oIrA c 9h 17o 10 OG	300.00 5000.00 1000.00	1
0.19565617E+02 0.49528815E-01-0.16251170E-04	0.25298810E-08-0.15336200E-12	2
-0.22515910E+05-0.63623764E+02-0.87961227E+00	0.11301749E+00-0.88562476E-04	3
0.38917076E-07-0.72881345E-11-0.17381094E+05	0.39928471E+02	4
EtDc7oIqjA c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.21510096E+02 0.54011144E-01-0.18053763E-04	0.28497587E-08-0.17452549E-12	2
-0.40122602E+05-0.68639168E+02 0.49140683E+00	0.11731987E+00-0.81367718E-04	3
0.25353172E-07-0.16764786E-11-0.34979086E+05	0.37775394E+02	4
CEtDc7oIqA c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.22357227E+02 0.51598374E-01-0.16804368E-04	0.26007687E-08-0.15694958E-12	2
-0.34327375E+05-0.69046219E+02 0.76199806E+00	0.12473189E+00-0.10679629E-03	3
0.51294872E-07-0.10409514E-10-0.29424607E+05	0.38322559E+02	4
DEtDc7oIqA c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.21907801E+02 0.51779412E-01-0.16844944E-04	0.26086990E-08-0.15769165E-12	2
-0.35670355E+05-0.66790588E+02 0.53411770E+00	0.12728204E+00-0.11557591E-03	3
0.60844513E-07-0.13792310E-10-0.30969697E+05	0.38713161E+02	4
EtDc7oIqAqjC c 9h 17o 50 OG	300.00 5000.00 1000.00	1
0.21274967E+02 0.62037967E-01-0.21507589E-04	0.34837986E-08-0.21721336E-12	2
-0.51812336E+05-0.57819473E+02 0.20896890E+01	0.12934197E+00-0.94054158E-04	3
0.28300891E-07-0.63969847E-12-0.48216645E+05	0.35510265E+02	4
EtDc7oIqAqjD c 9h 17o 50 OG	300.00 5000.00 1000.00	1
0.13201681E+02 0.75474150E-01-0.27945607E-04	0.47379549E-08-0.30475397E-12	2
-0.50566883E+05-0.13404404E+02 0.18441200E+01	0.13125417E+00-0.96057527E-04	3
0.27268198E-07 0.79275898E-12-0.50247418E+05	0.35542320E+02	4
EtDc7oAoIqC c 9h 16o 40 OG	300.00 5000.00 1000.00	1
0.99515266E+01 0.75209320E-01-0.29289291E-04	0.51439688E-08-0.33909217E-12	2
-0.65140918E+05 0.15969391E+01 0.30160072E+01	0.11457761E+00-0.78465549E-04	3
0.20097797E-07 0.13761636E-11-0.65578969E+05	0.29312233E+02	4
MeEc8oArI c 9h 17o 10 OG	300.00 5000.00 1000.00	1
0.19707403E+02 0.49297981E-01-0.16142314E-04	0.25086584E-08-0.15186238E-12	2
-0.23197352E+05-0.64419701E+02-0.94374871E+00	0.11347138E+00-0.89680092E-04	3
0.40064567E-07-0.77065854E-11-0.17998338E+05	0.40198936E+02	4
MeEc8oAqjI c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.21609089E+02 0.53857230E-01-0.17990555E-04	0.28395071E-08-0.17394243E-12	2
-0.40163562E+05-0.69198051E+02 0.72488815E+00	0.11571302E+00-0.77544340E-04	3
0.21578144E-07-0.35606788E-12-0.35004230E+05	0.36785309E+02	4
DMeEc8oAqI c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.22437717E+02 0.51477388E-01-0.16760479E-04	0.25949785E-08-0.15672146E-12	2
-0.34360211E+05-0.69500443E+02 0.59730035E+00	0.12588517E+00-0.10959849E-03	3

0.54127749E-07-0.11425517E-10-0.29407119E+05	0.39018635E+02	4
FMeEc8oAqI c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.22180155E+02 0.51896654E-01-0.16960243E-04	0.26343545E-08-0.15952982E-12	2
-0.34255055E+05-0.68053009E+02 0.54472739E+00	0.12623072E+00-0.11037310E-03	3
0.54838313E-07-0.11653426E-10-0.29401254E+05	0.39243748E+02	4
MeEc8oAqIqjD c 9h 17o 50 OG	300.00 5000.00 1000.00	1
0.21346096E+02 0.61906517E-01-0.21423444E-04	0.34626633E-08-0.21540762E-12	2
-0.51840770E+05-0.58214493E+02 0.20205386E+01	0.12982008E+00-0.95196003E-04	3
0.29431623E-07-0.10361257E-11-0.48209238E+05	0.35803310E+02	4
MeEc8oAqIqjF c 9h 17o 50 OG	300.00 5000.00 1000.00	1
0.21274967E+02 0.62037967E-01-0.21507589E-04	0.34837986E-08-0.21721336E-12	2
-0.51812336E+05-0.57818619E+02 0.20896890E+01	0.12934197E+00-0.94054158E-04	3
0.28300891E-07-0.63969847E-12-0.48216645E+05	0.35511135E+02	4
MeEc8oAoIqD c 9h 16o 40 OG	300.00 5000.00 1000.00	1
0.28963883E+01 0.87112986E-01-0.35329231E-04	0.63833174E-08-0.42926627E-12	2
-0.62361148E+05 0.40762840E+02-0.12285546E+00	0.12371016E+00-0.88464723E-04	3
0.24256188E-07 0.11496310E-11-0.64712656E+05	0.45237259E+02	4
MeEc8oAoIqF c 9h 16o 40 OG	300.00 5000.00 1000.00	1
0.28963883E+01 0.87112986E-01-0.35329231E-04	0.63833174E-08-0.42926627E-12	2
-0.62361148E+05 0.40762840E+02-0.12285546E+00	0.12371016E+00-0.88464723E-04	3
0.24256188E-07 0.11496310E-11-0.64712656E+05	0.45237259E+02	4
MeCc6oAoG c 7h 12o 20 OG	300.00 5000.00 1000.00	1
0.16699629E+00 0.65259933E-01-0.26677451E-04	0.48475362E-08-0.32732608E-12	2
-0.44052664E+05 0.41783421E+02-0.10262246E+01	0.86168237E-01-0.57561403E-04	3
0.14471183E-07 0.11357007E-11-0.45717461E+05	0.40985931E+02	4
MeCc6oyAoG c 7h 11o 20 OG	300.00 5000.00 1000.00	1
0.30024650E+01 0.55772163E-01-0.21083802E-04	0.36262842E-08-0.23555994E-12	2
-0.26997584E+05 0.28424377E+02-0.62852412E+00	0.84427297E-01-0.64085449E-04	3
0.23687141E-07-0.23601032E-11-0.27950588E+05	0.40196232E+02	4
MeCc6oAoyG c 7h 11o 20 OG	300.00 5000.00 1000.00	1
0.30024650E+01 0.55772163E-01-0.21083802E-04	0.36262842E-08-0.23555994E-12	2
-0.27349842E+05 0.28424377E+02-0.62852412E+00	0.84427297E-01-0.64085449E-04	3
0.23687141E-07-0.23601032E-11-0.28302846E+05	0.40196232E+02	4
Bc6oAoF c 6h 9o 20 OG	300.00 5000.00 1000.00	1
0.23356402E+01 0.48798803E-01-0.18737752E-04	0.32585250E-08-0.21332654E-12	2
-0.21257807E+05 0.29039005E+02 0.12393709E+01	0.75511463E-01-0.71195289E-04	3
0.37696786E-07-0.78426449E-11-0.23115723E+05	0.26555777E+02	4
MeEc8oIrA c 9h 17o 10 OG	300.00 5000.00 1000.00	1
0.13177349E+02 0.59725847E-01-0.20947586E-04	0.34174696E-08-0.21395415E-12	2
-0.19915398E+05-0.27919144E+02-0.41764379E+01	0.12319455E+00-0.10094105E-03	3
0.45321588E-07-0.82656625E-11-0.16497166E+05	0.56529488E+02	4
Fc9oA c 9h 17o 10 OG	300.00 5000.00 1000.00	1
0.13579293E+02 0.58500309E-01-0.20298032E-04	0.32871048E-08-0.20477274E-12	2
-0.20886639E+05-0.28701164E+02-0.13138429E+01	0.11706245E+00-0.10052446E-03	3
0.50347953E-07-0.10727433E-10-0.18193109E+05	0.42671776E+02	4
MeEc8oIqjA c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.15226493E+02 0.64072147E-01-0.22710090E-04	0.37323602E-08-0.23485041E-12	2
-0.37571621E+05-0.33542084E+02-0.23520977E+01	0.12437174E+00-0.86291104E-04	3
0.24371110E-07-0.59437251E-13-0.34143922E+05	0.52453991E+02	4
CMeEc8oIqA c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.16032843E+02 0.61677266E-01-0.21440537E-04	0.34771772E-08-0.21685580E-12	2
-0.31749361E+05-0.33692123E+02-0.23426800E+01	0.13359705E+00-0.11607735E-03	3
0.54662287E-07-0.10331206E-10-0.28561531E+05	0.54106998E+02	4
DMeEc8oIqA c 9h 17o 30 OG	300.00 5000.00 1000.00	1
0.16032843E+02 0.61677266E-01-0.21440537E-04	0.34771772E-08-0.21685580E-12	2
-0.31749361E+05-0.33692123E+02-0.23426800E+01	0.13359705E+00-0.11607735E-03	3
0.54662287E-07-0.10331206E-10-0.28561531E+05	0.54106998E+02	4
MeEc8oIqAqjC c 9h 17o 50 OG	300.00 5000.00 1000.00	1
0.14402573E+02 0.73192298E-01-0.26800111E-04	0.45094475E-08-0.28859125E-12	2
-0.49040656E+05-0.20167770E+02-0.90521741E+00	0.13739347E+00-0.10124595E-03	3
0.29446280E-07 0.27246646E-12-0.47364594E+05	0.50143902E+02	4

MeEc8oIqAqjD	c	9h	17o	50	OG	300.00	5000.00	1000.00	1
0.14402573E+02	0.73192298E-01	-0.26800111E-04	0.45094475E-08	-0.28859125E-12					2
-0.49040656E+05	-0.19474777E+02	-0.90521741E+00	0.13739347E+00	-0.10124595E-03					3
0.29446280E-07	0.27246646E-12	-0.47364594E+05	0.50836895E+02						4
MeEc8oAoIqC	c	9h	16o	40	OG	300.00	5000.00	1000.00	1
0.27277520E+01	0.87397300E-01	-0.35463458E-04	0.64082477E-08	-0.43088328E-12					2
-0.62296102E+05	0.41702255E+02	-0.79506993E-01	0.12337977E+00	-0.87590692E-04					3
0.23298391E-07	0.15193049E-11	-0.64716902E+05	0.45057671E+02						4
c9oAqjF	c	9h	17o	30	OG	300.00	5000.00	1000.00	1
0.12044673E+02	0.69845855E-01	-0.25560841E-04	0.42970285E-08	-0.27470276E-12					2
-0.38215773E+05	-0.15014397E+02	0.69657445E-01	0.12126821E+00	-0.86758162E-04					3
0.26268618E-07	-0.54876888E-12	-0.36990914E+05	0.39627041E+02						4
Cc9oAqF	c	9h	17o	30	OG	300.00	5000.00	1000.00	1
0.12932531E+02	0.67274563E-01	-0.24169187E-04	0.40118384E-08	-0.25427859E-12					2
-0.32420508E+05	-0.15603394E+02	0.66144563E-01	0.13056806E+00	-0.11668915E-03					3
0.56673898E-07	-0.10851707E-10	-0.31406910E+05	0.41336288E+02						4
Dc9oAqF	c	9h	17o	30	OG	300.00	5000.00	1000.00	1
0.12932531E+02	0.67274563E-01	-0.24169187E-04	0.40118384E-08	-0.25427859E-12					2
-0.32420508E+05	-0.15603394E+02	0.66144563E-01	0.13056806E+00	-0.11668915E-03					3
0.56673898E-07	-0.10851707E-10	-0.31406910E+05	0.41336288E+02						4
Hc9oAqF	c	9h	17o	30	OG	300.00	5000.00	1000.00	1
0.12596966E+02	0.67935161E-01	-0.24509232E-04	0.40814823E-08	-0.25933772E-12					2
-0.32339941E+05	-0.13855042E+02	0.12512095E+01	0.12218927E+00	-0.97710668E-04					3
0.39060513E-07	-0.49695161E-11	-0.31523482E+05	0.36383152E+02						4
c9oAqFqjC	c	9h	17o	50	OG	300.00	5000.00	1000.00	1
0.11508376E+02	0.78523315E-01	-0.29447927E-04	0.50335713E-08	-0.32540724E-12					2
-0.49808957E+05	-0.32727509E+01	0.14229127E+01	0.13494228E+00	-0.10329212E-03					3
0.32937837E-07	-0.78898606E-12	-0.50201594E+05	0.37712765E+02						4
c9oAqFqjD	c	9h	17o	50	OG	300.00	5000.00	1000.00	1
0.11508376E+02	0.78523315E-01	-0.29447927E-04	0.50335713E-08	-0.32540724E-12					2
-0.49808930E+05	-0.32729492E+01	0.14078443E+01	0.13504463E+00	-0.10353331E-03					3
0.33174590E-07	-0.87158481E-12	-0.50199949E+05	0.37776619E+02						4
c9oAqFqjH	c	9h	17o	50	OG	300.00	5000.00	1000.00	1
0.11508376E+02	0.78523315E-01	-0.29447927E-04	0.50335713E-08	-0.32540724E-12					2
-0.50080773E+05	-0.25780029E+01	0.14750094E+01	0.13458532E+00	-0.10244535E-03					3
0.32102744E-07	-0.49667714E-12	-0.50478973E+05	0.38186497E+02						4
c9oAoFqC	c	9h	16o	40	OG	300.00	5000.00	1000.00	1
-0.82460718E+01	0.10618205E+00	-0.45255594E-04	0.84658565E-08	-0.58346855E-12					2
-0.61494977E+05	0.10365479E+03	0.21486363E+01	0.11964699E+00	-0.87985092E-04					3
0.25156368E-07	0.14203939E-11	-0.68952391E+05	0.33686035E+02						4
c9oAoFqD	c	9h	16o	40	OG	300.00	5000.00	1000.00	1
-0.84019547E+01	0.10645775E+00	-0.45408859E-04	0.85001703E-08	-0.58616008E-12					2
-0.61433680E+05	0.10452238E+03	0.20009656E+01	0.12065759E+00	-0.90378329E-04					3
0.27510673E-07	0.59916959E-12	-0.68936383E+05	0.34313309E+02						4
c9oAoFqH	c	9h	16o	40	OG	300.00	5000.00	1000.00	1
-0.84019547E+01	0.10645775E+00	-0.45408859E-04	0.85001703E-08	-0.58616008E-12					2
-0.61705422E+05	0.10452238E+03	0.20009656E+01	0.12065759E+00	-0.90378329E-04					3
0.27510673E-07	0.59916959E-12	-0.69208125E+05	0.34313309E+02						4
MeBc5oArF	c	6h	11o	10	OG	300.00	5000.00	1000.00	1
0.82111073E+01	0.40155079E-01	-0.13979767E-04	0.22705728E-08	-0.14180257E-12					2
-0.10447417E+05	-0.74008026E+01	-0.33821123E+01	0.86634725E-01	-0.77741752E-04					3
0.39175074E-07	-0.81817097E-11	-0.84581689E+04	0.47792149E+02						4
pchoBqjE	c	9h	15o	30	OG	300.00	5000.00	1000.00	1
0.35698154E+02	0.31010073E-01	-0.89456198E-05	0.12721248E-08	-0.72570137E-13					2
-0.47677730E+05	-0.16163545E+03	-0.47797332E+01	0.12180372E+00	-0.75612224E-04					3
0.18047238E-07	-0.50756675E-12	-0.34481238E+05	0.55032608E+02						4
CpchoBqE	c	9h	15o	30	OG	300.00	5000.00	1000.00	1
0.36194386E+02	0.30261194E-01	-0.86392947E-05	0.12197993E-08	-0.69263992E-13					2
-0.45078977E+05	-0.16294919E+03	-0.43735304E+01	0.12714297E+00	-0.93248455E-04					3
0.36096907E-07	-0.66502077E-11	-0.32151982E+05	0.52726383E+02						4
pchoBqEqjC	c	9h	15o	50	OG	300.00	5000.00	1000.00	1

0.38562927E+02	0.34417655E-01-0.10224517E-04	0.14835224E-08-0.85720303E-13	2
-0.59989492E+05-0.16936945E+03-0.47122269E+01	0.13916355E+00-0.95118849E-04		3
0.26034154E-07-0.12238623E-11-0.46699203E+05	0.59367001E+02		4
pchoBoEqC 1/10/ 8 THERMc 9h 14o 4 OG	300.000 5000.000 1390.000		51
3.47300378E+01 3.62941623E-02-1.27136293E-05	2.00577086E-09-1.17683829E-13		2
-7.83385531E+04-1.51998479E+02-4.90044600E+00	1.32509103E-01-1.03753304E-04		3
4.19251063E-08-6.92670021E-12-6.48899144E+04	5.96382723E+01		4
pchoEqjB c 9h 15o 30 OG	300.00 5000.00 1000.00		1
-0.42454281E+01 0.94670810E-01-0.39318438E-04	0.72222424E-08-0.49131521E-12		2
-0.29584074E+05 0.64256508E+02-0.40607471E+01	0.13380551E+00-0.10762274E-03		3
0.37578587E-07-0.19922484E-11-0.33856906E+05	0.48254677E+02		4
DpchoEqB c 9h 15o 30 OG	300.00 5000.00 1000.00		1
-0.37046502E+01 0.92527121E-01-0.37987546E-04	0.69226291E-08-0.46834829E-12		2
-0.26979828E+05 0.64408829E+02-0.21805189E+01	0.12886345E+00-0.10618514E-03		3
0.40192475E-07-0.35109381E-11-0.31648539E+05	0.41313667E+02		4
pchoEqBqjD 1/10/ 8 THERMc 9h 15o 5 OG	300.000 5000.000 1390.000		61
3.85491649E+01 3.77552444E-02-1.32252233E-05	2.08643342E-09-1.22413668E-13		2
-6.10780026E+04-1.70464912E+02-3.08406382E+00	1.40483092E-01-1.12592537E-04		3
4.67761638E-08-7.94183228E-12-4.70857986E+04	5.13302698E+01		4
pchoBoEqD 1/10/ 8 THERMc 9h 14o 4 OG	300.000 5000.000 1387.000		51
3.50157945E+01 3.60607989E-02-1.26357317E-05	1.99392500E-09-1.17008103E-13		2
-7.89080939E+04-1.54568452E+02-2.51225673E+00	1.24201308E-01-9.26528993E-05		3
3.55224007E-08-5.58884930E-12-6.58723459E+04	4.69012582E+01		4
c7e6oA 7/ 6/ 7 THERMc 7h 12o 1 OG	300.000 5000.000 1385.000		51
2.20744340E+01 2.77127698E-02-9.42270148E-06	1.45759132E-09-8.43677986E-14		2
-2.79434809E+04-8.52617781E+01 7.83796874E-01	7.55786473E-02-5.03742246E-05		3
1.74118721E-08-2.48572467E-12-2.03275570E+04	2.98061738E+01		4
Ec7e6oA 7/ 6/ 7 THERMc 7h 11o 1 OG	300.000 5000.000 1384.000		41
2.17200844E+01 2.59524656E-02-8.83110208E-06	1.36701766E-09-7.91700585E-14		2
-1.08673710E+04-8.45973389E+01 4.77913704E-01	7.38493344E-02-4.97980833E-05		3
1.72506095E-08-2.44607312E-12-3.30469830E+03	3.01228426E+01		4
c5e4oB 7/ 6/ 7 THERMc 5h 8o 1 OG	300.000 5000.000 1388.000		31
1.51299061E+01 1.99344801E-02-6.89920787E-06	1.07961487E-09-6.29819809E-14		2
-2.29470024E+04-5.06856034E+01-5.31920741E-01	5.50124567E-02-3.70183833E-05		3
1.29750012E-08-1.89756839E-12-1.72987735E+04	3.40615117E+01		4
Cc5e4oB 7/10/ 7 THERMc 5h 7o 1 OG	300.000 5000.000 1391.000		11
1.42439717E+01 1.88122910E-02-6.47297368E-06	1.00899066E-09-5.87036712E-14		2
-5.61086463E+03-4.69175480E+01-8.59331021E-01	5.35151580E-02-3.71454024E-05		3
1.34785874E-08-2.03049596E-12-2.74828717E+02	3.44573788E+01		4
c7e6oAoE 7/ 9/ 7 THERMc 7h 10o 2 OG	300.000 5000.000 1383.000		41
2.29052750E+01 2.49119933E-02-8.46819726E-06	1.31021057E-09-7.58634278E-14		2
-4.33084771E+04-8.70653184E+01 2.15898187E+00	7.39943304E-02-5.39588732E-05		3
2.10372908E-08-3.44012126E-12-3.60825568E+04	2.42785604E+01		4
c7e6oyAoE 7/ 9/ 7 THERMc 7h 9o 2 OG	300.000 5000.000 1381.000		41
2.25723316E+01 2.26612407E-02-7.69791011E-06	1.19082329E-09-6.89525310E-14		2
-2.43835434E+04-8.36367263E+01 2.94509118E+00	6.91086766E-02-5.07104860E-05		3
1.98097999E-08-3.23709903E-12-1.75554431E+04	2.16860112E+01		4
Dc7oA 7/ 9/ 7 THERMc 7h 13o 1 OG	300.000 5000.000 1369.000		61
2.29303083E+01 2.84789208E-02-9.56697649E-06	1.46907773E-09-8.46344274E-14		2
-2.03095403E+04-8.66447713E+01 2.51831473E+00	6.82280050E-02-3.51997630E-05		3
6.85047489E-09-1.96789714E-14-1.24793541E+04	2.57113472E+01		4
c7e3oA 7/ 9/ 7 THERMc 7h 12o 1 OG	300.000 5000.000 1390.000		51
2.14997354E+01 2.87317437E-02-9.88432798E-06	1.54055519E-09-8.96225798E-14		2
-2.87410292E+04-8.15987685E+01-9.30074531E-01	7.95474150E-02-5.39653140E-05		3
1.90639270E-08-2.79428078E-12-2.07393954E+04	3.95148393E+01		4
c7e4oyA 7/ 9/ 7 THERMc 7h 11o 1 OG	300.000 5000.000 1384.000		51
2.14656435E+01 2.56674426E-02-8.71654041E-06	1.34749222E-09-7.79680792E-14		2
-1.03652824E+04-7.95060527E+01 1.05406956E+00	7.15273135E-02-4.78247798E-05		3
1.64861321E-08-2.33486290E-12-3.07218744E+03	3.08030634E+01		4
Cc5e4oA 7/10/ 7 c 5h 7o 1 OG	300.000 5000.000 1379.000		21
1.54713514E+01 1.68864499E-02-5.72117729E-06	8.83592033E-10-5.11086991E-14		2



-2.72373975E+03-5.39511639E+01 1.03263576E+00 4.89494687E-02-3.24763290E-05	3
1.08953861E-08-1.47576893E-12 2.45795125E+03 2.41888578E+01	4
c6e5oAo4 7/ 9/ 7 THERMc 6h 8o 2 OG 300.000 5000.000 1386.000	31
1.91816889E+01 2.13620052E-02-7.34271288E-06 1.14385177E-09-6.65235350E-14	2
-3.90133043E+04-6.84026699E+01 2.50569395E+00 6.15096873E-02-4.58620740E-05	3
1.86554271E-08-3.20924485E-12-3.32168352E+04 2.09453262E+01	4
c6e5oyAo4 7/ 9/ 7 THERMc 6h 7o 2 OG 300.000 5000.000 1381.000	31
1.92058176E+01 1.85168925E-02-6.31071906E-06 9.78299881E-10-5.67275923E-14	2
-2.02176761E+04-6.69569317E+01 3.24567513E+00 5.66537970E-02-4.22609728E-05	3
1.69209048E-08-2.84278709E-12-1.46794826E+04 1.85952020E+01	4
c5e4oAoC 7/ 9/ 7 THERMc 5h 6o 2 OG 300.000 5000.000 1388.000	31
1.68769642E+01 1.61913284E-02-5.67379327E-06 8.95337958E-10-5.25401315E-14	2
-3.50082224E+04-5.83230757E+01 6.87543627E-02 5.60251296E-02-4.23175060E-05	3
1.65049826E-08-2.64604084E-12-2.91988354E+04 3.17961457E+01	4
c5e4oyAoC 7/ 9/ 7 THERMc 5h 5o 2 OG 300.000 5000.000 1387.000	31
1.64836434E+01 1.40142410E-02-4.93114637E-06 7.80298041E-10-4.58778183E-14	2
-1.60527831E+04-5.45415411E+01 8.15192809E-01 5.13180232E-02-3.93553532E-05	3
1.54604269E-08-2.48263477E-12-1.06656436E+04 2.93875755E+01	4
c6alCco 7/ 9/ 7 THERMc 7h 11o 2 OG 300.000 5000.000 1366.000	61
2.68722788E+01 2.24932695E-02-8.02969635E-06 1.28284166E-09-7.59282884E-14	2
-3.70732549E+04-1.07975701E+02 2.87311858E+00 7.04229139E-02-4.12202640E-05	3
1.00866241E-08-6.44829778E-13-2.79300193E+04 2.37990445E+01	4
MeCc6oBoGrA 7/9/7 THERMc 7h 11o 2 OG 300.000 5000.000 1392.000	51
2.46880824E+01 2.63845653E-02-9.15582418E-06 1.43539891E-09-8.38492925E-14	2
-3.73386833E+04-9.62768790E+01-5.76255261E-01 8.62696006E-02-6.39892904E-05	3
2.45492498E-08-3.86341318E-12-2.86346409E+04 3.91299191E+01	4
c7e6oAoD 7/ 9/ 7 THERMc 7h 10o 2 OG 300.000 5000.000 1379.000	51
2.29379227E+01 2.45731356E-02-8.38086453E-06 1.29999114E-09-7.54165769E-14	2
-4.09931059E+04-8.60711952E+01 1.72209724E+00 7.32895053E-02-5.16746692E-05	3
1.91593167E-08-2.97030642E-12-3.34716346E+04 2.82911281E+01	4
c7e6oyAoD 7/ 9/ 7 c 7h 9o 2 OG 300.000 5000.000 1379.000	51
2.24264795E+01 2.26050969E-02-7.73143276E-06 1.20147634E-09-6.97896206E-14	2
-2.19968562E+04-8.16391005E+01 2.50752681E+00 6.84748836E-02-4.86790698E-05	3
1.81937294E-08-2.84276570E-12-1.49457239E+04 2.56903444E+01	4
c6e5oC 7/ 9/ 7 THERMc 6h 10o 1 OG 300.000 5000.000 1388.000	41
1.81829678E+01 2.45052211E-02-8.46335590E-06 1.32244485E-09-7.70671491E-14	2
-2.70818973E+04-6.52675672E+01-3.75897473E-01 6.77164773E-02-4.80841893E-05	3
1.84447669E-08-3.00647177E-12-2.04998688E+04 3.46619611E+01	4
Ac6e5oC 7/ 9/ 7 THERMc 6h 9o 1 OG 300.000 5000.000 1387.000	41
1.77472564E+01 2.23901292E-02-7.74749693E-06 1.21212119E-09-7.07002113E-14	2
-2.01149021E+03-6.04752531E+01 4.39949418E-01 6.29561516E-02-4.53182600E-05	3
1.76489506E-08-2.91824844E-12 4.10585424E+03 3.26303436E+01	4
c9e5oAoD 7/10/ 7 THERMc 9h 14o 2 OG 300.000 5000.000 1386.000	71
2.88675536E+01 3.45292008E-02-1.19228300E-05 1.86296032E-09-1.08571266E-13	2
-5.28898939E+04-1.15536858E+02 1.38622669E+00 9.84553737E-02-7.02665475E-05	3
2.68773852E-08-4.34753747E-12-4.31627279E+04 3.24156584E+01	4
c9e5oyAoD 7/10/ 7 THERMc 9h 13o 2 OG 300.000 5000.000 1385.000	71
2.84661228E+01 3.23697237E-02-1.11885101E-05 1.74944534E-09-1.02006562E-13	2
-3.39321695E+04-1.11711508E+02 2.14228444E+00 9.37290049E-02-6.73055552E-05	3
2.58525529E-08-4.19203337E-12-2.46315729E+04 2.99579173E+01	4
c9e6oAoD 7/10/ 7 THERMc 9h 14o 2 OG 300.000 5000.000 1381.000	81
2.92807547E+01 3.34748948E-02-1.15074736E-05 1.79351748E-09-1.04365215E-13	2
-5.06874981E+04-1.16602034E+02 7.13706072E-01 9.86157603E-02-6.88393165E-05	3
2.51588545E-08-3.84096399E-12-4.05127680E+04 3.75494305E+01	4
c9e6oyAoD 7/10/ 7 THERMc 9h 13o 2 OG 300.000 5000.000 1380.000	81
2.89081759E+01 3.12730451E-02-1.07556419E-05 1.67704646E-09-9.76217526E-14	2
-3.17424778E+04-1.12941103E+02 1.48611603E+00 9.38081997E-02-6.57386589E-05	3
2.40358640E-08-3.66216546E-12-2.19839306E+04 3.50173419E+01	4
Ac8e5oC 7/10/ 7 THERMc 8h 13o 1 OG 300.000 5000.000 1388.000	61
2.38069813E+01 3.16098001E-02-1.09133462E-05 1.70490644E-09-9.93416931E-14	2
-1.15606811E+04-8.93377977E+01-5.18171032E-01 8.81427380E-02-6.24333809E-05	3

2.37422642E-08-3.82177543E-12-2.94466685E+03	4.16409010E+01	4
c6e5oAoC 7/10/ 7 THERMc 6h 8o 2 OG 300.000 5000.000 1389.000		41
1.94478160E+01 2.11666903E-02-7.37702337E-06	1.15987572E-09-6.78907843E-14	2
-3.62488011E+04-6.92702575E+01-7.62663049E-01	6.86057003E-02-5.05218154E-05	3
1.93155693E-08-3.04883741E-12-2.92114899E+04	3.92628593E+01	4
c6e5oyAoC 7/10/ 7 THERMc 6h 7o 2 OG 300.000 5000.000 1388.000		41
1.90485469E+01 1.90055039E-02-6.64218926E-06	1.04629198E-09-6.13226527E-14	2
-1.72927476E+04-6.54590468E+01-4.93546842E-03	6.38587456E-02-4.75153829E-05	3
1.82566769E-08-2.88497285E-12-1.06802559E+04	3.68000066E+01	4
Gic7a1 7/10/ 7 THERMc 7h 13o 1 OG 300.000 5000.000 1386.000		61
2.29054189E+01 2.92302911E-02-9.96622880E-06	1.54436554E-09-8.94939005E-14	2
-2.00273660E+04-8.76773291E+01 1.15457950E+00	7.73093903E-02-5.01438693E-05	3
1.67275654E-08-2.29277880E-12-1.21564701E+04	3.01825709E+01	4
Ac6oC 7/10/ 7 THERMc 6h 11o 1 OG 300.000 5000.000 1380.000		51
1.92391148E+01 2.51659147E-02-8.57508083E-06	1.32847255E-09-7.69774808E-14	2
-1.85404890E+04-6.82700569E+01 2.08958703E+00	6.24878115E-02-3.97257078E-05	3
1.33752941E-08-1.92193795E-12-1.21992557E+04	2.49951664E+01	4
Gpc7a1 7/10/ 7 THERMc 7h 13o 1 OG 300.000 5000.000 1391.000		61
2.27736322E+01 2.97799120E-02-1.02472913E-05	1.59734929E-09-9.29348913E-14	2
-1.99075493E+04-8.72635480E+01 6.48832789E-02	7.99452184E-02-5.20101452E-05	3
1.72351067E-08-2.32414135E-12-1.16966938E+04	3.57794978E+01	4
Bc5oA 7/10/ 7 THERMc 5h 9o 1 OG 300.000 5000.000 1000.000		31
0.66845322E+01 0.33922009E-01-0.11845391E-04	0.19263264E-08-0.12032020E-12	2
-0.96076836E+04-0.24671249E+01-0.17568089E+00	0.66408359E-01-0.61934203E-04	3
0.34230158E-07-0.79713926E-11-0.88001182E+04	0.28674427E+02	4
c7e6oAoC 7/10/ 7 THERMc 7h 10o 2 OG 300.000 5000.000 1387.000		51
2.24761773E+01 2.56154967E-02-8.86826304E-06	1.38817449E-09-8.10043228E-14	2
-4.07556048E+04-8.37950630E+01 4.62235278E-01	7.66917608E-02-5.48842864E-05	3
2.06518414E-08-3.24375222E-12-3.30002507E+04	3.46855966E+01	4
c7e6oyAoC 7/10/ 7 THERMc 7h 9o 2 OG 300.000 5000.000 1386.000		51
2.20119241E+01 2.35801357E-02-8.19181519E-06	1.28521368E-09-7.51141884E-14	2
-2.17820742E+04-7.96342215E+01 1.31710213E+00	7.15657591E-02-5.14210044E-05	3
1.93954647E-08-3.05300202E-12-1.44847900E+04	3.17636825E+01	4
Cc6oA 7/10/ 7 THERMc 6h 11o 1 OG 300.000 5000.000 1364.000		51
1.98432275E+01 2.43989526E-02-8.26755769E-06	1.27699773E-09-7.38701822E-14	2
-1.63591573E+04-7.18231184E+01 2.66769549E+00	5.61404354E-02-2.64748321E-05	3
3.60776139E-09 4.57655126E-13-9.57641147E+03	2.33632396E+01	4
Ipc9oAoB 7/10/ 7 THERMc 9h 15o 2 OG 300.000 5000.000 1386.000		71
3.06288284E+01 3.48015184E-02-1.18549879E-05	1.83635366E-09-1.06399630E-13	2
-3.87210596E+04-1.23945774E+02 6.42678838E-01	1.04056685E-01-7.30100711E-05	3
2.64915492E-08-3.94566679E-12-2.82230645E+04	3.73914703E+01	4
c2h4cohcO 7/10/ 7 THERMc 4h 5o 2 OG 300.000 5000.000 1375.000		31
1.47337280E+01 1.25643884E-02-4.35024239E-06	6.81592295E-10-3.98170637E-14	2
-1.71469182E+04-4.55504166E+01 2.78625065E+00	3.88009924E-02-2.60598416E-05	3
8.78900367E-09-1.20339312E-12-1.28099088E+04	1.92459988E+01	4
Bc5oAoC 7/10/ 7 THERGc 5h 7o 2 OG 300.000 5000.000 1000.000		11
-0.95265503E+01 0.59931446E-01-0.25584857E-04	0.47925139E-08-0.33066613E-12	2
-0.19081514E+05 0.92379791E+02-0.15479689E+01	0.70708588E-01-0.69866604E-04	3
0.37012153E-07-0.71111337E-11-0.24386900E+05	0.39584663E+02	4
Ac7oD 7/11/ 7 THERMc 7h 13o 1 OG 300.000 5000.000 1381.000		61
2.25119200E+01 2.94746899E-02-1.00348912E-05	1.55377231E-09-8.99981839E-14	2
-2.26732787E+04-8.44335137E+01 1.80119964E+00	7.49149749E-02-4.81985328E-05	3
1.63384955E-08-2.34378313E-12-1.50775486E+04	2.80251822E+01	4
Ac7oBoD 7/11/ 7 THERMc 7h 11o 2 OG 300.000 5000.000 1388.000		51
2.40432333E+01 2.69939765E-02-9.37916146E-06	1.47158277E-09-8.60082468E-14	2
-3.91180866E+04-9.16156219E+01 3.74699360E-01	8.24604564E-02-6.01061202E-05	3
2.31100363E-08-3.71066309E-12-3.08236802E+04	3.55931667E+01	4
Ec7e6oAoB 7/11/ 7 c 7h 9o 2 OG 300.000 5000.000 1383.000		31
2.31413695E+01 2.25446007E-02-7.64865124E-06	1.18249285E-09-6.84508147E-14	2
-2.13980019E+04-8.99219255E+01 5.39366139E-01	7.56506238E-02-5.53502788E-05	3
2.07145256E-08-3.14967032E-12-1.36121779E+04	3.13052600E+01	4

chxoAoC	1/21/	8	THERMc	6h	8o	2	OG	300.000	5000.000	1378.000	01
1.82253465E+01	2.28609430E-02	-7.74943219E-06	1.19734179E-09	-6.92792678E-14							2
-4.86992142E+04	-6.89412972E+01	-2.08640668E+00	6.72509469E-02	-4.35141188E-05							3
1.37485092E-08	-1.67421425E-12	-4.13798772E+04	4.11663799E+01								4
BchxoAoC	1/21/	8	THERMc	6h	7o	2	OG	300.000	5000.000	1379.000	01
1.87264331E+01	2.04622148E-02	-7.04652040E-06	1.10040183E-09	-6.41463860E-14							2
-3.66773547E+04	-7.36092086E+01	-3.89929932E+00	7.13337842E-02	-4.96066706E-05							3
1.68107612E-08	-2.21840463E-12	-2.86980141E+04	4.84847799E+01								4
DchxoAoC	1/21/	8	THERMc	6h	7o	2	OG	300.000	5000.000	1383.000	01
1.93555809E+01	1.97018860E-02	-6.73388091E-06	1.04632010E-09	-6.07824366E-14							2
-2.72991161E+04	-7.49631508E+01	-2.14889676E+00	6.99400297E-02	-5.12979836E-05							3
1.89279465E-08	-2.80484286E-12	-1.98867217E+04	4.04393214E+01								4
c6oAoBoyF	1/21/	8	THERMc	6h	7o	3	OG	300.000	5000.000	1377.000	41
2.16376266E+01	1.86763947E-02	-6.39064176E-06	9.93560847E-10	-5.77349308E-14							2
-4.08373712E+04	-7.69501253E+01	4.77828634E+00	5.63023845E-02	-3.82466396E-05							3
1.32528973E-08	-1.88153415E-12	-3.47820951E+04	1.42637426E+01								4
Ec5oAoB	1/21/	8	THERMc	5h	7o	2	OG	300.000	5000.000	1379.000	31
1.77020869E+01	1.71725959E-02	-5.83252419E-06	9.02286346E-10	-5.22503519E-14							2
-2.11103551E+04	-5.98910424E+01	2.45680311E+00	5.15084396E-02	-3.51259212E-05							3
1.22197853E-08	-1.73269374E-12	-1.56840492E+04	2.24488418E+01								4
Fc6eloCoE	1/21/	8	THERMc	6h	7o	2	OG	300.000	5000.000	1394.000	21
2.00296010E+01	1.89068802E-02	-6.58174162E-06	1.03402138E-09	-6.04908616E-14							2
-2.10381628E+04	-7.29750998E+01	-1.08431802E+00	7.32007674E-02	-6.15582233E-05							3
2.68607171E-08	-4.74791709E-12	-1.41634531E+04	3.87234408E+01								4
FpchqDqE	7/13/	7	THERMc	9h	17o	4	OG	300.000	5000.000	1384.000	71
4.02607980E+01	3.89797029E-02	-1.37785563E-05	2.18709866E-09	-1.28874164E-13							2
-4.61416686E+04	-1.84384590E+02	-5.90662120E+00	1.44061492E-01	-1.03978834E-04							3
3.69779916E-08	-5.23141347E-12	-2.99087280E+04	6.44229870E+01								4
pche5qD	7/13/	7	THERMc	9h	16o	2	OG	300.000	5000.000	1395.000	51
3.26596273E+01	3.73246113E-02	-1.29061108E-05	2.01869501E-09	-1.17739030E-13							2
-3.90306748E+04	-1.47190599E+02	-6.56527338E+00	1.34578014E-01	-1.06738453E-04							3
4.37824770E-08	-7.30529917E-12	-2.59774672E+04	6.14674431E+01								4
pche5oJD	7/13/	7	THERMc	9h	15o	1	OG	300.000	5000.000	1396.000	31
2.93077194E+01	3.46892206E-02	-1.17380444E-05	1.81049230E-09	-1.04602534E-13							2
-1.92242786E+04	-1.31026383E+02	-7.60799163E+00	1.25959207E-01	-9.84540325E-05							3
3.93699818E-08	-6.34120085E-12	-7.03438806E+03	6.52383346E+01								4
c9elqAoF	7/13/	7	THERMc	9h	16o	3	OG	300.000	5000.000	1385.000	91
3.48734283E+01	3.49456745E-02	-1.18133503E-05	1.82174082E-09	-1.05262689E-13							2
-5.17910932E+04	-1.44603808E+02	8.31428536E-01	1.18399572E-01	-9.16404791E-05							3
3.72181827E-08	-6.20763065E-12	-4.03325093E+04	3.68841765E+01								4
c9el0jAoF	7/13/	7	THERMc	9h	15o	2	OG	300.000	5000.000	1386.000	71
2.99533125E+01	3.51455927E-02	-1.19257254E-05	1.84261192E-09	-1.06576721E-13							2
-4.36012813E+04	-1.20833565E+02	-1.03923265E-01	1.07178401E-01	-7.92413847E-05							3
3.10674500E-08	-5.05981481E-12	-3.32814059E+04	4.00574820E+01								4
Dc5oBohE	7/16/	7	THERMc	5h	9o	2	OG	300.000	5000.000	1391.000	51
1.65690913E+01	2.32614988E-02	-7.57531346E-06	1.13792873E-09	-6.45235272E-14							2
-3.08952176E+04	-5.39588740E+01	1.52775897E+00	5.87927263E-02	-3.98078955E-05							3
1.45147311E-08	-2.20650943E-12	-2.57189283E+04	2.66700312E+01								4
c5oBqjDohE	7/16/	7	THERMc	5h	9o	4	OG	300.000	5000.000	1399.000	61
1.89404408E+01	2.66592302E-02	-8.88244542E-06	1.35385578E-09	-7.75114754E-14							2
-5.19291025E+04	-5.91562749E+01	3.22053566E+00	6.96614690E-02	-5.62646727E-05							3
2.56754087E-08	-4.85456405E-12	-4.69444774E+04	2.32955107E+01								4
c4oAoC	7/16/	7	THERMc	4h	6o	2	OG	300.000	5000.000	1381.000	31
1.41847931E+01	1.58666283E-02	-5.54706785E-06	8.73965632E-10	-5.12294486E-14							2
-4.43829277E+04	-4.40018462E+01	1.06454198E+00	4.29869925E-02	-2.58376501E-05							3
7.29674821E-09	-7.52799155E-13	-3.94471371E+04	2.77596350E+01								4
c4oyAoC	7/16/	7	THERMc	4h	5o	2	OG	300.000	5000.000	1379.000	31
1.37937369E+01	1.36951506E-02	-4.80801085E-06	7.59657451E-10	-4.46166451E-14							2
-2.54311056E+04	-4.02399249E+01	1.79745445E+00	3.83263421E-02	-2.29286079E-05							3
6.28300451E-09	-5.96423531E-13	-2.09115656E+04	2.54163817E+01								4
Fc9elqDqF	7/19/	7	THERMc	9h	17o	4	OG	300.000	5000.000	1389.000	71

3.93066172E+01	3.72617684E-02-1.29909171E-05	2.04292388E-09-1.19591316E-13	2
-3.43930874E+04-1.63543706E+02	3.66961973E+00	1.22914218E-01-9.36998096E-05	3
3.75389305E-08-6.22976067E-12-2.21368448E+04		2.72013516E+01	4
Iic9elqDqI	7/19/ 7 THERMc 9h 17o 4 OG	300.000 5000.000 1387.000	71
3.86452301E+01	3.78777807E-02-1.32153249E-05	2.07918475E-09-1.21752244E-13	2
-3.43501785E+04-1.60750136E+02	4.33470939E+00	1.18639054E-01-8.76753941E-05	3
3.42042469E-08-5.57436808E-12-2.23430496E+04		2.35612216E+01	4
c9eloFqD	7/19/ 7 THERMc 9h 16o 3 OG	300.000 5000.000 1388.000	91
3.38025462E+01	3.75519034E-02-1.30576593E-05	2.04964384E-09-1.19825800E-13	2
-5.44635558E+04-1.39424045E+02	1.69541833E+00	1.15007098E-01-8.72681789E-05	3
3.56170775E-08-6.09884268E-12-4.33485179E+04		3.24956429E+01	4
c9eloFoJD	7/19/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1389.000	71
2.99400700E+01	3.57429973E-02-1.22485190E-05	1.90416085E-09-1.10581822E-13	2
-3.44613876E+04-1.20409488E+02	3.68299040E-01	1.07860632E-01-8.16599044E-05	3
3.32024663E-08-5.63337310E-12-2.43661547E+04		3.75502391E+01	4
EtDc7eloIqD	7/19/7 THERMc 9h 16o 3 OG	300.000 5000.000 1389.000	91
3.45739084E+01	3.68002856E-02-1.27778518E-05	2.00389534E-09-1.17080296E-13	2
-5.31375016E+04-1.45232388E+02	1.25717948E+00	1.17508860E-01-8.98151318E-05	3
3.64418415E-08-6.14729816E-12-4.17127876E+04		3.29183408E+01	4
EtDc7eloIoJD	7/1/7 THERMc 9h 15o 2 OG	300.000 5000.000 1380.000	71
3.35362302E+01	3.16748943E-02-1.11912395E-05	1.77568440E-09-1.04596654E-13	2
-3.45613109E+04-1.42787502E+02	9.18995116E-01	1.04970369E-01-7.41718934E-05	3
2.66052196E-08-3.92189363E-12-2.28604387E+04		3.35620885E+01	4
c7eloD	7/19/ 7 THERMc 7h 12o 1 OG	300.000 5000.000 1388.000	51
2.13576742E+01	2.89864818E-02-1.00006872E-05	1.56159030E-09-9.09606004E-14	2
-3.14291434E+04-8.08930525E+01-5.83425149E-01		7.98139128E-02-5.61558359E-05	3
2.12378369E-08-3.40568477E-12-2.36374363E+04		3.73132064E+01	4
Cc7eloD	7/19/ 7 THERMc 7h 11o 1 OG	300.000 5000.000 1391.000	31
2.12373912E+01	2.71435824E-02-9.31303801E-06	1.44904679E-09-8.42032683E-14	2
-1.92888629E+04-8.18005776E+01-2.64298952E+00		8.52032068E-02-6.45360921E-05	3
2.58647982E-08-4.28958687E-12-1.11694189E+04		4.57360510E+01	4
Ipche4e6	c 9h 13 0 OG	300.00 3000.00 1000.00	1
0.24396803E+02	0.30425759E-01-0.92260943E-05	0.13596061E-08-0.79460994E-13	2
0.53985547E+04-0.10306808E+03-0.32472494E+01		0.10273981E+00-0.70782247E-04	3
0.17751322E-07	0.40511640E-12	0.13209457E+05	4
Dpche5e7	c 9h 13 0 OG	300.00 3000.00 1000.00	1
0.24735264E+02	0.31616587E-01-0.99174531E-05	0.14945446E-08-0.88554333E-13	2
0.67137930E+04-0.10533627E+03-0.79997790E+00		0.99209748E-01-0.72713352E-04	3
0.25360805E-07-0.32240172E-11	0.14044949E+05	0.27688162E+02	4
Ipche5e7	c 9h 13 0 OG	300.00 3000.00 1000.00	1
0.25061918E+02	0.31648066E-01-0.99986109E-05	0.15151846E-08-0.90158519E-13	2
0.65470000E+04-0.10759807E+03-0.44974571E+00		0.95813163E-01-0.61906001E-04	3
0.13792546E-07	0.87141221E-12	0.14016921E+05	4
Ic9oAoD	c 9h 15o 20 OG	300.00 5000.00 1000.00	1
-0.34219105E+01	0.85654996E-01-0.34218647E-04	0.61159553E-08-0.40805683E-12	2
-0.26411203E+05	0.70474747E+02-0.16950083E+00	0.11561492E+00-0.10089188E-03	3
0.46507580E-07-0.74281510E-11-0.31113051E+05		0.39675732E+02	4
Gc7oAoD	c 7h 11o 20 OG	300.00 5000.00 1000.00	1
-0.67507248E+01	0.72766133E-01-0.29756586E-04	0.54063305E-08-0.36491483E-12	2
-0.19695957E+05	0.84196037E+02	0.31785244E+00	3
0.43223967E-07-0.76733403E-11-0.25333414E+05		0.34029198E+02	4
Ic9oBoD	c 9h 15o 20 OG	300.00 5000.00 1000.00	1
-0.66911751E+00	0.81091098E-01-0.31927986E-04	0.56499592E-08-0.37439583E-12	2
-0.32633469E+05	0.54467354E+02-0.27891896E+01	0.11870793E+00-0.99619894E-04	3
0.44527663E-07-0.71321980E-11-0.35125707E+05		0.54071640E+02	4
Gc7oBoD	c 7h 11o 20 OG	300.00 5000.00 1000.00	1
-0.38813927E+01	0.67963123E-01-0.27308211E-04	0.49012829E-08-0.32801303E-12	2
-0.25958951E+05	0.67555244E+02-0.21043057E+01	0.93258418E-01-0.81577346E-04	3
0.37874379E-07-0.61793079E-11-0.29366990E+05		0.47590630E+02	4
Ac5oBoD	c 5h 7o 20 OG	300.00 5000.00 1000.00	1
0.52552395E+01	0.35142239E-01-0.12971523E-04	0.21929714E-08-0.14070102E-12	2

-0.25597727E+05	0.93235626E+01	-0.15006392E+01	0.64638674E-01	-0.54633532E-04	3
0.26063045E-07	-0.51115466E-11	-0.24676078E+05	0.40612110E+02		4
MeDc6oBoGrF	c	7h 11o 20	OG	300.00 5000.00 1000.00	1
0.53985219E+01	0.52236300E-01	-0.19418116E-04	0.33007708E-08	-0.21266738E-12	2
-0.24720992E+05	0.14867416E+02	-0.21029992E+01	0.94283864E-01	-0.83753497E-04	3
0.40476394E-07	-0.76303157E-11	-0.24608504E+05	0.46268761E+02		4
Bc5oAoD	c	5h 7o 20	OG	300.00 5000.00 1000.00	1
0.21475275E+01	0.39643638E-01	-0.15086660E-04	0.26071898E-08	-0.16993884E-12	2
-0.22176418E+05	0.27034439E+02	0.13923366E+01	0.61738592E-01	-0.59951450E-04	3
0.33266325E-07	-0.73288042E-11	-0.23746783E+05	0.24158556E+02		4
MeEc8eloIqG	c	9h 16o 30	OG	300.00 5000.00 1000.00	1
0.10624512E+02	0.70339017E-01	-0.27066615E-04	0.47140674E-08	-0.30894842E-12	2
-0.40735754E+05	-0.66816635E+01	-0.12321774E+01	0.11905866E+00	-0.80887177E-04	3
0.19484652E-07	0.18109936E-11	-0.39415336E+05	0.47958569E+02		4
MeEc8eloIoJG	c	9h 15o 20	OG	300.00 5000.00 1000.00	1
0.10645637E+02	0.62892258E-01	-0.23012659E-04	0.38662722E-08	-0.24695461E-12	2
-0.21937502E+05	-0.11960205E+02	-0.38790863E+01	0.11835233E+00	-0.86497530E-04	3
0.27360651E-07	-0.12417647E-11	-0.19655824E+05	0.57072632E+02		4
MeEc6eloGrF	c	7h 11o 10	OG	300.00 5000.00 1000.00	1
0.11211577E+02	0.39292660E-01	-0.13451619E-04	0.21576012E-08	-0.13350787E-12	2
0.12972988E+04	-0.21454918E+02	-0.28799806E+01	0.89679681E-01	-0.75999225E-04	3
0.34428432E-07	-0.61704747E-11	0.41842329E+04	0.47525200E+02		4
Fc9elqEqH	c	9h 17o 40	OG	300.00 5000.00 1000.00	1
0.19603094E+02	0.60525026E-01	-0.20864842E-04	0.33630025E-08	-0.20879233E-12	2
-0.22249006E+05	-0.48605118E+02	0.34226526E-01	0.14154822E+00	-0.13045815E-03	3
0.63482219E-07	-0.12204111E-10	-0.19291371E+05	0.43304386E+02		4
c9ele5qH	c	9h 16o 20	OG	300.00 5000.00 1000.00	1
0.49730011E+02	0.66818832E-02	-0.75411339E-06	0.52498863E-10	-0.18986328E-14	2
-0.33353949E+05	-0.23162810E+03	0.24675305E+01	0.95055267E-01	-0.48116555E-04	3
0.61867982E-08	0.11519075E-12	-0.16047672E+05	0.28083353E+02		4
c9ele5ojH	c	9h 15o 10	OG	300.00 5000.00 1000.00	1
0.46428944E+02	0.56057828E-02	-0.48775627E-06	0.19084630E-10	0.65465264E-16	2
-0.13349422E+05	-0.21869493E+03	-0.11395183E+00	0.93794331E-01	-0.52088853E-04	3
0.12071801E-07	-0.20983057E-11	0.37060601E+04	0.36931030E+02		4
c7ele6qC	c	7h 12o 20	OG	300.00 5000.00 1000.00	1
0.23832413E+02	0.26911819E-01	-0.82537435E-05	0.12271701E-08	-0.72209403E-13	2
-0.14542016E+05	-0.88739311E+02	0.12030940E+01	0.82989290E-01	-0.53777581E-04	3
0.13148393E-07	0.75633090E-13	-0.77866938E+04	0.30252232E+02		4
c7ele6ojC	c	7h 11o 10	OG	300.00 5000.00 1000.00	1
0.21610992E+02	0.23690023E-01	-0.66839266E-05	0.93551533E-09	-0.52796851E-13	2
0.50822031E+04	-0.81694992E+02	-0.13429130E+01	0.81478909E-01	-0.57142788E-04	3
0.18419158E-07	-0.19173966E-11	0.11963295E+05	0.38943787E+02		4
Cc7h11-16	c	7h 11o 00	OG	300.00 5000.00 1000.00	1
0.18185938E+02	0.24834646E-01	-0.71938452E-05	0.10242798E-08	-0.58383203E-13	2
0.14980201E+05	-0.66057579E+02	0.14180945E+00	0.67169607E-01	-0.40498791E-04	3
0.10709145E-07	-0.73491560E-12	0.20672588E+05	0.29845211E+02		4
c9e5oAqH	2/12/ 8 THERMc	9h 16o 3	OG	300.000 5000.000 1389.000	91
3.39312274E+01	3.73574775E-02	-1.29722436E-05	2.03444078E-09	-1.18866229E-13	2
-5.20246429E+04	-1.40078657E+02	1.17186763E+00	1.15525209E-01	-8.62272980E-05	3
3.41637904E-08	-5.64903299E-12	-4.06704009E+04	3.55163078E+01		4
c9e5oAojH	2/12/ 8 THERMc	9h 15o 2	OG	300.000 5000.000 1391.000	71
3.00463394E+01	3.55992989E-02	-1.21876557E-05	1.89352726E-09	-1.09918187E-13	2
-3.20175670E+04	-1.20944051E+02	-4.69762718E-03	1.07764218E-01	-7.97751951E-05	3
3.12787248E-08	-5.09016175E-12	-2.17121812E+04	3.98627947E+01		4
HpchqBqE	c	9h 17o 40	OG	300.00 5000.00 1000.00	1
0.40082935E+02	0.33263732E-01	-0.94212974E-05	0.13239577E-08	-0.75011706E-13	2
-0.41797227E+05	-0.17818491E+03	-0.30924931E+01	0.13450304E+00	-0.86858352E-04	3
0.20391131E-07	0.21988515E-12	-0.28254873E+05	0.51110172E+02		4
pche4qB	1/15/ 8 THERMc	9h 16o 2	OG	300.000 5000.000 1394.000	41
3.16928192E+01	3.87840240E-02	-1.34545363E-05	2.10880639E-09	-1.23162528E-13	2
-3.80430168E+04	-1.41199994E+02	-7.28054551E+00	1.36269038E-01	-1.09253323E-04	3

4.58623629E-08-7.87796099E-12-2.50711164E+04	6.59635284E+01	4
pche4ojB 1/15/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1396.000	31
2.79361118E+01 3.69223384E-02-1.27274048E-05	1.98640912E-09-1.15674142E-13	2
-1.81400180E+04-1.22870669E+02-6.99939283E+00	1.21762971E-01-9.26330006E-05	3
3.66640093E-08-5.94079378E-12-6.32572772E+03	6.36166789E+01	4
mcheloqC 1/15/ 8 THERMc 7h 12o 2 OG	300.000 5000.000 1396.000	11
2.53331534E+01 2.99734103E-02-1.03692110E-05	1.62222150E-09-9.46225203E-14	2
-2.77932377E+04-1.10771014E+02-5.96723813E+00	1.09965003E-01-9.06458321E-05	3
3.89379999E-08-6.79391543E-12-1.75700857E+04	5.49615104E+01	4
mchelojC 1/15/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1396.000	01
2.45420040E+01 2.49872247E-02-8.45800924E-06	1.30605215E-09-7.55542407E-14	2
-9.22280484E+03-1.09760808E+02-7.22418992E+00	1.00641994E-01-7.58771457E-05	3
2.79266282E-08-3.99432800E-12 1.42305256E+03	5.99294438E+01	4
MeBc4eloErD 1/15/8 THERMc 5h 7o 1 OG	300.000 5000.000 1399.000	21
1.62312706E+01 1.62714743E-02-5.50356632E-06	8.48128316E-10-4.89551010E-14	2
1.14806866E+03-5.60826821E+01 3.53153539E-02	5.92133858E-02-5.01282532E-05	3
2.21958555E-08-3.96297171E-12 6.26379345E+03	2.90909868E+01	4
ch2ccho 1/15/ 8 THERMc 3h 3o 1 OG	300.000 5000.000 1398.000	01
9.29160820E+00 8.07924045E-03-2.75109481E-06	4.25776615E-10-2.46466074E-14	2
1.44568311E+04-2.21829770E+01 1.91420657E+00	2.78515042E-02-2.37358293E-05	3
1.07362312E-08-1.96784269E-12 1.67904470E+04	1.65800863E+01	4
pche5qB 1/15/ 8 THERMc 9h 16o 2 OG	300.000 5000.000 1394.000	41
3.17222692E+01 3.87734455E-02-1.34543894E-05	2.10917309E-09-1.23200436E-13	2
-3.74326664E+04-1.42120984E+02-8.27706804E+00	1.39580834E-01-1.13271717E-04	3
4.79995609E-08-8.29788266E-12-2.42052763E+04	7.02105270E+01	4
pche5ojB 1/15/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1397.000	31
2.78749104E+01 3.70042021E-02-1.27623688E-05	1.99257651E-09-1.16062271E-13	2
-1.74951660E+04-1.23268616E+02-7.51333064E+00	1.22847685E-01-9.33937153E-05	3
3.68374971E-08-5.93823644E-12-5.52988360E+03	6.56498297E+01	4
Amche3 c 7h 11o 00 OG	300.00 5000.00 1000.00	1
0.18326731E+02 0.28940262E-01-0.94693796E-05	0.14729096E-08-0.89324551E-13	2
0.11835180E+05-0.74708748E+02-0.61164074E+01	0.97569168E-01-0.82628940E-04	3
0.38202284E-07-0.78466799E-11 0.18719514E+05	0.51785557E+02	4
Gc7ele3 c 7h 11o 00 OG	300.00 5000.00 1000.00	1
0.19525995E+02 0.23139553E-01-0.65430295E-05	0.91795954E-09-0.51928730E-13	2
0.20222973E+05-0.72812378E+02-0.23135931E+01	0.85766248E-01-0.74221323E-04	3
0.34793583E-07-0.70349846E-11 0.26236350E+05	0.39716499E+02	4
Fc9elqAqH c 9h 17o 40 OG	300.00 5000.00 1000.00	1
0.17743099E+02 0.64668112E-01-0.22968847E-04	0.37808427E-08-0.23818450E-12	2
-0.19223285E+05-0.39493149E+02 0.36867777E+00	0.14007956E+00-0.12579394E-03	3
0.58838534E-07-0.10535910E-10-0.16984434E+05	0.40748074E+02	4
c7ele6qA c 7h 12o 20 OG	300.00 5000.00 1000.00	1
0.36426746E+02 0.89827841E-02-0.15359751E-05	0.14367971E-09-0.59472000E-14	2
-0.18237289E+05-0.16155661E+03 0.25760574E+01	0.75209372E-01-0.39016038E-04	3
0.40703449E-08 0.11660333E-11-0.62226016E+04	0.23187206E+02	4
Bc7e6oA c 7h 11o 10 OG	300.00 5000.00 1000.00	1
0.11272528E+02 0.39708938E-01-0.13723542E-04	0.22174214E-08-0.13798385E-12	2
-0.26071543E+04-0.22951317E+02-0.41950773E-01	0.82410209E-01-0.69851601E-04	3
0.33513132E-07-0.67059192E-11-0.44429749E+03	0.31779177E+02	4
Ic9oCoD c 9h 15o 20 OG	300.00 5000.00 1000.00	1
-0.29690025E+01 0.85228965E-01-0.34070101E-04	0.60934835E-08-0.40682223E-12	2
-0.27279732E+05 0.67826859E+02-0.16027951E+01	0.12157620E+00-0.10736411E-03	3
0.48585633E-07-0.74046724E-11-0.31611686E+05	0.46274616E+02	4
Gc7oCoD c 7h 11o 20 OG	300.00 5000.00 1000.00	1
-0.65698953E+01 0.72809331E-01-0.29847195E-04	0.54327312E-08-0.36720548E-12	2
-0.20458996E+05 0.83062393E+02-0.11219490E+01	0.97519375E-01-0.92599708E-04	3
0.45125855E-07-0.75516078E-11-0.25830859E+05	0.40660583E+02	4
Ac5oBoC c 5h 7o 20 OG	300.00 5000.00 1000.00	1
0.27173121E+01 0.39598074E-01-0.15201675E-04	0.26419953E-08-0.17282623E-12	2
-0.20137664E+05 0.24050213E+02-0.80820575E-01	0.65871015E-01-0.58394176E-04	3
0.26078968E-07-0.39273311E-11-0.21186844E+05	0.31828636E+02	4

MeDc6oCoGrF	1/16/8 THERMc	7h	11o	2	OG	300.000	5000.000	1388.000	61
2.33081886E+01	2.71908496E-02	-9.44580419E-06	1.48180021E-09	-8.65940105E-14	2				
-3.36171206E+04	-8.62333068E+01	1.05864410E+00	7.76450570E-02	-5.36371806E-05	3				
1.94192229E-08	-2.94502957E-12	-2.56448662E+04	3.39576409E+01		4				
MeEc8eloIqF	c	9h	16o	30	OG	300.00	5000.00	1000.00	1
0.10624512E+02	0.70339017E-01	-0.27066615E-04	0.47140674E-08	-0.30894842E-12	2				
-0.40464016E+05	-0.66816635E+01	-0.12321774E+01	0.11905866E+00	-0.80887177E-04	3				
0.19484652E-07	0.18109936E-11	-0.39143594E+05	0.47958569E+02		4				
MeEc8eloIojF	c	9h	15o	20	OG	300.00	5000.00	1000.00	1
0.10645637E+02	0.62892258E-01	-0.23012659E-04	0.38662722E-08	-0.24695461E-12	2				
-0.21665713E+05	-0.11961693E+02	-0.39092231E+01	0.11855703E+00	-0.86979904E-04	3				
0.27834156E-07	-0.14069622E-11	-0.19380795E+05	0.57199276E+02		4				
Bc6e5oA	c	6h	9o	10	OG	300.00	5000.00	1000.00	1
0.97464819E+01	0.32964297E-01	-0.11280594E-04	0.18081874E-08	-0.11180028E-12	2				
0.17608750E+04	-0.16850357E+02	0.98664396E-01	0.71078040E-01	-0.64176245E-04	3				
0.33530611E-07	-0.74144284E-11	0.35136250E+04	0.29380007E+02		4				
chxelqC	1/16/ 8 THERMc	6h	10o	2	OG	300.000	5000.000	1392.000	21
2.26977624E+01	2.45875541E-02	-8.61222159E-06	1.35866876E-09	-7.97157873E-14	2				
-2.38110330E+04	-9.80202219E+01	-5.94656732E+00	9.57611181E-02	-7.76521986E-05	3				
3.23466289E-08	-5.46902537E-12	-1.42743036E+04	5.43342688E+01		4				
chxelojC	1/16/ 8 THERMc	6h	9o	1	OG	300.000	5000.000	1395.000	01
2.01595926E+01	2.12763022E-02	-7.21846644E-06	1.11631559E-09	-6.46434681E-14	2				
-4.37846874E+03	-8.66630027E+01	-7.40791643E+00	8.85998174E-02	-6.95760663E-05	3				
2.71090091E-08	-4.17387106E-12	4.73212318E+03	6.00716879E+01		4				
chchhco	4/ 8/94 thermc	3h	3o	1	OG	300.000	5000.000	1402.000	11
1.07482537E+01	6.19822688E-03	-2.06130981E-06	3.14418872E-10	-1.80309517E-14	2				
1.51410162E+04	-3.01266033E+01	1.46654466E+00	3.23390476E-02	-3.05588208E-05	3				
1.44081861E-08	-2.65600505E-12	1.78850058E+04	1.80850321E+01		4				
c9e5oAqG	c	9h	16o	30	OG	300.00	5000.00	1000.00	1
0.13245047E+02	0.65950409E-01	-0.24893441E-04	0.42780308E-08	-0.27779767E-12	2				
-0.42082863E+05	-0.20701035E+02	0.14317242E+01	0.11213510E+00	-0.75634613E-04	3				
0.19362556E-07	0.95281346E-12	-0.40465418E+05	0.34752575E+02		4				
c9e5oAojG	c	9h	15o	20	OG	300.00	5000.00	1000.00	1
0.12836902E+02	0.59303630E-01	-0.21311334E-04	0.35386929E-08	-0.22437422E-12	2				
-0.23123902E+05	-0.23614983E+02	-0.10316404E+01	0.11015072E+00	-0.78153811E-04	3				
0.24123185E-07	-0.98448463E-12	-0.20725512E+05	0.43088203E+02		4				
c7e2oAoG	c	7h	10o	20	OG	300.00	5000.00	1000.00	1
0.79212089E+01	0.51403597E-01	-0.21269812E-04	0.38969539E-08	-0.26462743E-12	2				
-0.34692684E+05	-0.31320572E+01	0.87239712E+00	0.70092104E-01	-0.37266491E-04	3				
0.77032105E-08	0.21629167E-12	-0.32703648E+05	0.33480259E+02		4				
c7e2oyAoG	c	7h	9o	20	OG	300.00	5000.00	1000.00	1
0.92518444E+01	0.44949587E-01	-0.17258169E-04	0.30008649E-08	-0.19643355E-12	2				
-0.17514369E+05	-0.10789070E+02	0.22769399E+01	0.54375257E-01	-0.76344777E-05	3				
-0.17194985E-07	0.78766655E-11	-0.15025854E+05	0.27868025E+02		4				
c7e2oAoyG	c	7h	9o	20	OG	300.00	5000.00	1000.00	1
0.10697187E+02	0.42007811E-01	-0.15720369E-04	0.26847400E-08	-0.17354244E-12	2				
-0.17611848E+05	-0.16154190E+02	0.14615675E+01	0.67035832E-01	-0.40661253E-04	3				
0.13823443E-07	-0.21927167E-11	-0.14957450E+05	0.31877527E+02		4				
c7eloAoG	1/16/ 8 THERMc	7h	10o	2	OG	300.000	5000.000	1392.000	51
2.44442321E+01	2.39598993E-02	-8.29981084E-06	1.29964900E-09	-7.58559167E-14	2				
-4.06350266E+04	-9.55839017E+01	2.29657489E+00	7.62341368E-02	-5.59630975E-05	3				
2.13175441E-08	-3.34010259E-12	-3.29750251E+04	2.32101504E+01		4				
c7eloAoyG	1/16/ 8 THERMc	7h	9o	2	OG	300.000	5000.000	1393.000	51
2.41004654E+01	2.17359725E-02	-7.53977946E-06	1.18175384E-09	-6.90211887E-14	2				
-2.16838019E+04	-9.20570436E+01	2.93706093E+00	7.22939844E-02	-5.42772055E-05	3				
2.10902205E-08	-3.35839615E-12	-1.44345858E+04	2.12264515E+01		4				
Fc6eloA	1/16/ 8 THERMc	6h	9o	1	OG	300.000	5000.000	1401.000	41
1.94825779E+01	2.04609394E-02	-6.98143158E-06	1.08207976E-09	-6.27053237E-14	2				
-1.52198233E+03	-7.06889980E+01	8.31951475E-01	6.74092582E-02	-5.30715722E-05	3				
2.19470424E-08	-3.70558312E-12	4.61640211E+03	2.82752092E+01		4				
Dc4eloA	1/16/ 8 THERMc	4h	5o	1	OG	300.000	5000.000	1401.000	21

1.30057441E+01	1.17139055E-02-4.00441930E-06	6.21427581E-10-3.60414205E-14	2
6.69063694E+03-3.87926445E+01	1.20066989E+00	4.32107101E-02-3.70527394E-05	3
1.66075970E-08-2.99891911E-12	1.04129656E+04	2.32413576E+01	4
Fc9e1qEqG	c 9h 17o 40 OG	300.00 5000.00 1390.00	1
3.93591724E+01	3.72547769E-02-1.29983284E-05	2.04522446E-09-1.19775397E-13	2
-3.22207464E+04-1.65186518E+02	1.17688962E+00	1.29317935E-01-9.94445621E-05	3
3.96614671E-08-6.49158264E-12	-1.91907134E+04	3.89567173E+01	4
c9ele6qE	1/16/ 8 THERMc 9h 16o 2 OG	300.000 5000.000 1393.000	81
3.22973771E+01	3.64981554E-02-1.26480703E-05	1.98091959E-09-1.15630793E-13	2
-2.61257083E+04-1.35047130E+02	-2.29560045E+00	1.22589471E-01-9.71270118E-05	3
4.06562671E-08-7.00634374E-12	-1.45267429E+04	4.90566057E+01	4
c9ele6ojE	1/16/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1395.000	61
3.01744206E+01	3.19582542E-02-1.06519762E-05	1.62710897E-09-9.33981284E-14	2
-6.70848020E+03-1.25666039E+02	-5.31269092E+00	1.22745732E-01-1.00452453E-04	3
4.22430891E-08-7.13522523E-12	4.70620331E+03	6.19255656E+01	4
c9ele5qG	1/16/ 8 THERMc 9h 16o 2 OG	300.000 5000.000 1393.000	81
3.22973771E+01	3.64981554E-02-1.26480703E-05	1.98091959E-09-1.15630793E-13	2
-2.61257083E+04-1.35047130E+02	-2.29560045E+00	1.22589471E-01-9.71270118E-05	3
4.06562671E-08-7.00634374E-12	-1.45267429E+04	4.90566057E+01	4
c9ele5ojG	1/16/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1395.000	61
3.01744206E+01	3.19582542E-02-1.06519762E-05	1.62710897E-09-9.33981284E-14	2
-6.70848020E+03-1.25666039E+02	-5.31269092E+00	1.22745732E-01-1.00452453E-04	3
4.22430891E-08-7.13522523E-12	4.70620331E+03	6.19255656E+01	4
c7e2e6oA	1/16/ 8 THERMc 7h 10o 1 OG	300.000 5000.000 1394.000	41
2.18249371E+01	2.36901737E-02-8.12629263E-06	1.26430870E-09-7.34680476E-14	2
-1.67778123E+04-8.53783476E+01	-1.66689122E+00	8.27435116E-02-6.62115780E-05	3
2.77087352E-08-4.73149021E-12	-9.01966907E+03	3.93364483E+01	4
c7e2e6oyA	1/16/ 8 THERMc 7h 9o 1 OG	300.000 5000.000 1397.000	31
2.07421594E+01	2.22208518E-02-7.55827032E-06	1.16907897E-09-6.76513259E-14	2
-3.88899938E+02-7.85581269E+01	-3.94615835E-01	7.79230098E-02-6.53951627E-05	3
2.89415528E-08-5.19353119E-12	6.35690923E+03	3.27789562E+01	4
c5e2oA	1/16/ 8 THERMc 5h 8o 1 OG	300.000 5000.000 1395.000	21
1.62678582E+01	1.87757882E-02-6.36676648E-06	9.82965890E-10-5.68154392E-14	2
-2.43494476E+04-5.82283686E+01	-9.70270308E-01	6.20807630E-02-4.88773337E-05	3
2.02753363E-08-3.44167365E-12	-1.86594122E+04	3.32866831E+01	4
c5e2oyA	1/16/ 8 THERMc 5h 7o 1 OG	300.000 5000.000 1397.000	21
1.55342589E+01	1.69476795E-02-5.75332957E-06	8.88668155E-10-5.13733300E-14	2
-8.15030015E+03-5.34878644E+01	3.60400137E-01	5.69117096E-02-4.73557282E-05	3
2.09633273E-08-3.77847993E-12	-3.28996514E+03	2.64736227E+01	4
EtDc7e1qEqHrI	c 9h 17o 40 OG	300.00 5000.00 1392.00	1
4.04867395E+01	3.63434010E-02-1.26944543E-05	1.99890627E-09-1.17124167E-13	2
-3.23495502E+04-1.72646693E+02	-2.59249496E-01	1.38892928E-01-1.14041457E-04	3
4.85025339E-08-8.38900511E-12	-1.88693791E+04	4.36862785E+01	4
EtDc7ele8qE	1/16/8 THERMc 9h 16o 2 OG	300.000 5000.000 1394.000	81
3.27728258E+01	3.60455169E-02-1.24816098E-05	1.95390016E-09-1.14016865E-13	2
-2.64103867E+04-1.38608117E+02	-2.40859692E+00	1.23601713E-01-9.80216184E-05	3
4.07924229E-08-6.96116141E-12	-1.46562485E+04	4.85563597E+01	4
EtDc7ele8ojE	1/8 THERMc 9h 15o 1 OG	300.000 5000.000 1399.000	61
2.84563813E+01	3.47363565E-02-1.18676173E-05	1.84104981E-09-1.06754567E-13	2
-6.19515368E+03-1.16918012E+02	-2.89838203E+00	1.13200426E-01-8.85657203E-05	3
3.64907107E-08-6.15735341E-12	4.19070624E+03	4.96555771E+01	4
MeCc6oAoDrG	1/17/8 THERMc 7h 11o 2 OG	300.000 5000.000 1379.000	61
2.40212581E+01	2.56513193E-02-8.72734059E-06	1.35159469E-09-7.83262333E-14	2
-3.35305002E+04-8.98656415E+01	2.03333997E+00	7.52543534E-02-5.14830553E-05	3
1.82349334E-08-2.67287992E-12	-2.56749199E+04	2.89254994E+01	4
pche3qF	1/17/ 8 THERMc 9h 16o 2 OG	300.000 5000.000 1394.000	41
3.16928192E+01	3.87840240E-02-1.34545363E-05	2.10880639E-09-1.23162528E-13	2
-3.80430168E+04-1.41199994E+02	-7.28054551E+00	1.36269038E-01-1.09253323E-04	3
4.58623629E-08-7.87796099E-12	-2.50711164E+04	6.59635284E+01	4
pche3ojF	1/17/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1398.000	21
2.77237073E+01	3.69732856E-02-1.26249968E-05	1.95813144E-09-1.13536534E-13	2



-1.79709845E+04-1.21493464E+02-7.44385148E+00	1.23771570E-01-9.56203960E-05	3
3.84190412E-08-6.28958410E-12-6.25939853E+03	6.56681252E+01	4
MeEc8e5oArI 1/17/8 THERMc 9h 15o 1 OG	300.000 5000.000 1389.000	61
2.84813054E+01 3.46777535E-02-1.18438382E-05	1.83733318E-09-1.06549289E-13	2
-2.09293034E+04-1.16253929E+02-3.67851202E-01	1.03474411E-01-7.57808485E-05	3
2.94338907E-08-4.75658433E-12-1.09820305E+04	3.83031587E+01	4
EtDc7e4oIrA 1/17/8 THERMc 9h 15o 1 OG	300.000 5000.000 1391.000	71
2.76012379E+01 3.54718492E-02-1.22170463E-05	1.90554124E-09-1.10911559E-13	2
-1.35918592E+04-1.08711239E+02-7.44186139E-01	1.01064341E-01-7.09400715E-05	3
2.62268737E-08-4.04564524E-12-3.60269285E+03	4.38815724E+01	4
MeEc7e6e8oA 1/17/8 THERMc 8h 12o 1 OG	300.000 5000.000 1395.000	41
2.44949689E+01 2.87021582E-02-9.77238946E-06	1.51245725E-09-8.75555906E-14	2
-1.94607624E+04-9.82670225E+01-4.42829945E-01	9.36704803E-02-7.69176506E-05	3
3.38182556E-08-6.08886764E-12-1.13724420E+04	3.34494048E+01	4
MeEc7e6e8oyA 1/8 THERMc 8h 11o 1 OG	300.000 5000.000 1395.000	41
2.40783634E+01 2.65703091E-02-9.05065311E-06	1.40120820E-09-8.11345268E-14	2
-4.98388630E+02-9.43590509E+01 3.25269611E-01	8.88988885E-02-7.39087543E-05	3
3.27793232E-08-5.93322309E-12 7.15673732E+03	3.09345326E+01	4
MeCc6e3oArG 1/17/8 THERMc 7h 11o 1 OG	300.000 5000.000 1392.000	41
2.19554931E+01 2.63183839E-02-9.07280301E-06	1.41602356E-09-8.24568392E-14	2
-1.22224522E+04-8.43443297E+01-1.10681348E+00	8.21333661E-02-6.19507746E-05	3
2.47278389E-08-4.09096199E-12-4.34509019E+03	3.89309487E+01	4
MeCc6ele7rF 1/17/8 THERMc 7h 11 0 OG	300.000 5000.000 1398.000	31
2.02689513E+01 2.46221115E-02-8.26918986E-06	1.26812740E-09-7.29455631E-14	2
1.91639726E+04-7.80136968E+01-1.06428263E+00	8.01487063E-02-6.50180786E-05	3
2.80621255E-08-4.94007626E-12 2.60231188E+04	3.45725976E+01	4
MeCc5e4e5oA 1/17/8 THERMc 6h 8o 1 OG	300.000 5000.000 1398.000	21
1.81942746E+01 1.99612345E-02-6.83078135E-06	1.06071080E-09-6.15442760E-14	2
-1.08245587E+04-6.75897779E+01-1.38555648E+00	7.32073546E-02-6.41713293E-05	3
2.95894578E-08-5.49120710E-12-4.70510641E+03	3.50204969E+01	4
MeCc5e4e5oyA 1/8 THERMc 6h 7o 1 OG	300.000 5000.000 1399.000	21
1.77858221E+01 1.78153062E-02-6.10272660E-06	9.48332706E-10-5.50519870E-14	2
8.13494031E+03-6.37270224E+01-6.20616524E-01	6.84413122E-02-6.11564692E-05	3
2.85374968E-08-5.33101587E-12 1.38247392E+04	3.25218133E+01	4
MeEc8e8oAqF 1/17/8 THERMc 9h 16o 3 OG	300.000 5000.000 1390.000	91
3.47245108E+01 3.67320708E-02-1.27672841E-05	2.00357561E-09-1.17114830E-13	2
-5.19973848E+04-1.45173857E+02 9.39345386E-01	1.19627826E-01-9.32182574E-05	3
3.86197571E-08-6.63667579E-12-4.05035258E+04	3.51313006E+01	4
MeEc8e8oAojF 1/8 THERMc 9h 15o 2 OG	300.000 5000.000 1392.000	71
3.07671912E+01 3.51053935E-02-1.20424085E-05	1.87338928E-09-1.08845582E-13	2
-3.19689497E+04-1.25647450E+02-2.41429746E-01	1.11909516E-01-8.69140855E-05	3
3.58969652E-08-6.12713355E-12-2.15449384E+04	3.94942872E+01	4
Ec6e5oA 1/17/8 THERMc 6h 9o 1 OG	300.000 5000.000 1378.000	41
1.85000430E+01 2.08999584E-02-7.06042588E-06	1.08801012E-09-6.28265148E-14	2
5.22643676E+03-6.53251563E+01 2.81575416E+00	5.46750559E-02-3.40958341E-05	3
1.06653771E-08-1.33340585E-12 1.09819461E+04	1.99652168E+01	4
MeBc6e7oAoF 1/17/8 THERMc 7h 10o 2 OG	300.000 5000.000 1389.000	41
2.45794773E+01 2.30215530E-02-7.72122928E-06	1.18439509E-09-6.81844958E-14	2
-4.19453758E+04-9.72471848E+01 1.14027283E+00	8.15419595E-02-6.44701689E-05	3
2.65222464E-08-4.43633645E-12-3.42099579E+04	2.72566546E+01	4
MeBc6e7oAoyF 1/8 THERMc 7h 9o 2 OG	300.000 5000.000 1389.000	41
2.40665318E+01 2.10320311E-02-7.05979855E-06	1.08356240E-09-6.24055503E-14	2
-2.29436367E+04-9.27932623E+01 1.93227053E+00	7.67037132E-02-6.14626617E-05	3
2.55479816E-08-4.30540996E-12-1.56850451E+04	2.46250327E+01	4
MeBc6e7oyAoF 1/8 THERMc 7h 9o 2 OG	300.000 5000.000 1390.000	41
2.39771699E+01 2.09644190E-02-7.00475233E-06	1.07166272E-09-6.15786073E-14	2
-2.57893396E+04-9.32285909E+01 2.38586912E+00	7.66593439E-02-6.31809935E-05	3
2.72133789E-08-4.74772021E-12-1.88258420E+04	2.08531637E+01	4
MeBc5e6oArE 1/17/8 THERMc 6h 9o 1 OG	300.000 5000.000 1397.000	31
1.96270298E+01 2.03550575E-02-6.86167715E-06	1.05525842E-09-6.08312945E-14	2
-3.02756424E+03-7.29242090E+01-3.12737788E-01	7.17788819E-02-5.86241683E-05	3

2.50444557E-08-4.33600609E-12 3.39754889E+03 3.24216523E+01	4
ic3h4hco 1/17/ 8 THERMc 4h 5o 1 OG 300.000 5000.000 1399.000	11
1.40604280E+01 1.13307608E-02-3.89312811E-06 6.06342361E-10-3.52591270E-14	2
-1.76348924E+03-4.91626736E+01-3.44717462E-01 5.14324499E-02-4.76723331E-05	3
2.24907603E-08-4.19507269E-12 2.60413901E+03 2.59308713E+01	4
EtDc7eloIqE 1/17/8 THERMc 9h 16o 3 OG 300.000 5000.000 1390.000	91
3.44241874E+01 3.69151919E-02-1.28146179E-05 2.00932290E-09-1.17383344E-13	2
-5.18975873E+04-1.43928966E+02 9.59551458E-01 1.17674766E-01-8.93615862E-05	3
3.59026719E-08-5.98932427E-12-4.04114907E+04 3.50874331E+01	4
EtDc7eloIoJE 1/8 THERMc 9h 15o 2 OG 300.000 5000.000 1392.000	71
3.06008321E+01 3.50457079E-02-1.19796257E-05 1.85937247E-09-1.07864324E-13	2
-3.19110841E+04-1.25133092E+02-2.90691023E-01 1.10187831E-01-8.32286097E-05	3
3.31495991E-08-5.44729386E-12-2.14409185E+04 3.97850447E+01	4
MeCc6e5oAoG 1/17/8 THERMc 7h 10o 2 OG 300.000 5000.000 1385.000	51
2.33974327E+01 2.41774000E-02-8.23711338E-06 1.27635462E-09-7.39786834E-14	2
-3.87242515E+04-8.96416345E+01 1.00777248E+00 7.60288769E-02-5.39818439E-05	3
1.96158942E-08-2.90026317E-12-3.09251340E+04 3.07317722E+01	4
MeCc6e5oyAoG 1/8 THERMc 7h 9o 2 OG 300.000 5000.000 1384.000	51
2.30578700E+01 2.19212808E-02-7.46183212E-06 1.15581050E-09-6.69837381E-14	2
-1.97918240E+04-8.61649724E+01 1.77773086E+00 7.12199790E-02-5.08519851E-05	3
1.84537717E-08-2.70913334E-12-1.23956928E+04 2.82130739E+01	4
MeCc6e5oAoyG 1/8 THERMc 7h 9o 2 OG 300.000 5000.000 1384.000	51
2.30578700E+01 2.19212808E-02-7.46183212E-06 1.15581050E-09-6.69837381E-14	2
-1.97918240E+04-8.61649724E+01 1.77773086E+00 7.12199790E-02-5.08519851E-05	3
1.84537717E-08-2.70913334E-12-1.23956928E+04 2.82130739E+01	4
MeBc5e4oArF 1/17/8 THERMc 6h 9o 1 OG 300.000 5000.000 1394.000	41
1.84111923E+01 2.16872149E-02-7.47510203E-06 1.16655366E-09-6.79257940E-14	2
1.68610749E+02-6.52077437E+01-1.45768238E-02 6.43967262E-02-4.54498481E-05	3
1.66229776E-08-2.50079113E-12 6.61616799E+03 3.38937104E+01	4
Cc6e5oA 7/ 2/ 7 THERMc 6h 9o 1 OG 300.000 5000.000 1380.000	31
1.87533632E+01 2.11438984E-02-7.15428106E-06 1.10383345E-09-6.38003382E-14	2
-6.85142738E+03-7.01438364E+01 7.30435734E-01 6.14568820E-02-4.11029744E-05	3
1.39464686E-08-1.91355310E-12-4.18597373E+02 2.72797378E+01	4
Dc7oAoC 1/18/ 8 THERMc 7h 11o 2 OG 300.000 5000.000 1389.000	51
2.44327962E+01 2.64363956E-02-9.13721303E-06 1.42869352E-09-8.33050628E-14	2
-3.56294216E+04-9.40950496E+01 6.57396611E-01 8.30829165E-02-6.17838911E-05	3
2.41794886E-08-3.92568436E-12-2.74200538E+04 3.33088350E+01	4
c3h7chco 1/18/ 8 THERMc 5h 8o 1 OG 300.000 5000.000 1401.000	31
1.66400286E+01 1.82656471E-02-6.23686766E-06 9.67103618E-10-5.60585369E-14	2
-2.24862541E+04-5.93438604E+01-6.48749093E-02 6.10454983E-02-4.91956332E-05	3
2.09104480E-08-3.62555606E-12-1.70447576E+04 2.90646928E+01	4
EtDc7e9oAqC 1/18/8 THERMc 9h 16o 3 OG 300.000 5000.000 1391.000	91
3.44355711E+01 3.69019720E-02-1.28091208E-05 2.00835516E-09-1.17322173E-13	2
-5.17700184E+04-1.43986645E+02 5.41821199E-01 1.19658664E-01-9.24185004E-05	3
3.78212231E-08-6.41400472E-12-4.02258880E+04 3.69957517E+01	4
EtDc7e9oAojC 1/8 THERMc 9h 15o 2 OG 300.000 5000.000 1394.000	71
3.03087537E+01 3.55777464E-02-1.22219983E-05 1.90302222E-09-1.10631586E-13	2
-3.16888133E+04-1.23527800E+02-7.11268626E-02 1.09521265E-01-8.27352151E-05	3
3.31902972E-08-5.51990433E-12-2.13553422E+04 3.87106474E+01	4
c9e5oAqC 1/18/ 8 THERMc 9h 16o 3 OG 300.000 5000.000 1389.000	91
3.39312274E+01 3.73574775E-02-1.29722436E-05 2.03444078E-09-1.18866229E-13	2
-5.20246429E+04-1.40078657E+02 1.17186763E+00 1.15525209E-01-8.62272980E-05	3
3.41637904E-08-5.64903299E-12-4.06704009E+04 3.55163078E+01	4
c9e5oAojC 1/18/ 8 THERMc 9h 15o 2 OG 300.000 5000.000 1391.000	71
3.00463394E+01 3.55992989E-02-1.21876557E-05 1.89352726E-09-1.09918187E-13	2
-3.20175670E+04-1.20944051E+02-4.69762718E-03 1.07764218E-01-7.97751951E-05	3
3.12787248E-08-5.09016175E-12-2.17121812E+04 3.98627947E+01	4
MeCc6eloG 1/18/ 8 THERMc 7h 12o 1 OG 300.000 5000.000 1392.000	51
2.18619802E+01 2.84078258E-02-9.76869657E-06 1.52207654E-09-8.85285151E-14	2
-2.88909430E+04-8.48257214E+01-5.05639186E-03 7.69868435E-02-5.04951548E-05	3
1.68972221E-08-2.30215819E-12-2.10185781E+04 3.35482225E+01	4

MeCc6eIoyG 1/18/ 8 THERMc 7h 11o 1 OG	300.000	5000.000	1392.000	51
2.14454572E+01 2.62774161E-02-9.04782940E-06	1.41100489E-09	-8.21195567E-14		2
-9.92899171E+03-8.09188687E+01 7.80030058E-01	7.21413003E-02	-4.73769918E-05		3
1.57923406E-08-2.13240959E-12-2.49201823E+03	3.09543127E+01			4
c7e3oyA 1/18/ 8 THERMc 7h 11o 1 OG	300.000	5000.000	1390.000	51
2.10831418E+01 2.66019968E-02-9.16380795E-06	1.42954892E-09	-8.32178458E-14		2
-9.77927659E+03-7.76921829E+01-1.52317695E-01	7.47318523E-02	-5.08894888E-05		3
1.79844952E-08-2.63003828E-12-2.21165634E+03	3.69554199E+01			4
AmchqBqD 1/22/ 8 THERMc 7h 13o 4 OG	300.000	5000.000	1384.000	51
3.46494460E+01 2.93154055E-02-1.04458153E-05	1.66690197E-09	-9.85830072E-14		2
-3.67680086E+04-1.58031448E+02-6.03232417E+00	1.25011002E-01	-9.62624512E-05		3
3.66290048E-08-5.56798607E-12-2.27959171E+04	6.00772583E+01			4
mchelqD 1/22/ 8 THERMc 7h 12o 2 OG	300.000	5000.000	1395.000	21
2.55860139E+01 2.94860536E-02-1.02358822E-05	1.60512292E-09	-9.37800074E-14		2
-2.84544861E+04-1.12003044E+02-5.48018824E+00	1.07034255E-01	-8.59044429E-05		3
3.57773769E-08-6.06892843E-12-1.81393926E+04	5.31176204E+01			4
mcheloJD 1/22/ 8 THERMc 7h 11o 1 OG	300.000	5000.000	1400.000	01
2.16222812E+01 2.78465945E-02-9.50326912E-06	1.47343441E-09	-8.54129354E-14		2
-8.41369543E+03-9.24157313E+01-6.47927687E+00	9.85674371E-02	-7.85185257E-05		3
3.23806082E-08-5.40800171E-12 7.89997118E+02	5.66261734E+01			4
MeEc6e5oArG 1/22/8 THERMc 7h 11o 1 OG	300.000	5000.000	1388.000	41
2.25131482E+01 2.53154662E-02-8.61658001E-06	1.33385251E-09	-7.72450673E-14		2
-1.14157456E+04-8.79059779E+01 5.73289419E-01	7.83180939E-02	-5.86062870E-05		3
2.32338403E-08-3.81747502E-12-3.92812323E+03	2.93785514E+01			4
MeCc6e7oArF 1/22/8 THERMc 7h 11o 1 OG	300.000	5000.000	1391.000	51
2.15552436E+01 2.62400808E-02-9.04687582E-06	1.41206219E-09	-8.22287835E-14		2
-4.04863895E+03-7.99301388E+01 1.36191966E-01	7.62178268E-02	-5.43014084E-05		3
2.04116971E-08-3.20048289E-12 3.45957934E+03	3.52314020E+01			4
MeCc4e3oArE 1/22/8 THERMc 5h 7o 1 OG	300.000	5000.000	1373.000	21
1.93658337E+01 1.23724749E-02-4.45521604E-06	7.15900963E-10	-4.25435352E-14		2
-4.09107709E+03-7.51475312E+01 4.63195582E-01	5.45055546E-02	-3.90699102E-05		3
1.30893214E-08-1.65179576E-12 2.59079415E+03	2.69516352E+01			4
c9eloFqD 1/22/ 8 THERMc 9h 16o 3 OG	300.000	5000.000	1388.000	91
3.38025462E+01 3.75519034E-02-1.30576593E-05	2.04964384E-09	-1.19825800E-13		2
-5.44635558E+04-1.39424045E+02 1.69541833E+00	1.15007098E-01	-8.72681789E-05		3
3.56170775E-08-6.09884268E-12-4.33485179E+04	3.24956429E+01			4
c9eloFojD 1/22/ 8 THERMc 9h 15o 2 OG	300.000	5000.000	1389.000	71
2.99400700E+01 3.57429973E-02-1.22485190E-05	1.90416085E-09	-1.10581822E-13		2
-3.44613876E+04-1.20409488E+02 3.68299040E-01	1.07860632E-01	-8.16599044E-05		3
3.32024663E-08-5.63337310E-12-2.43661547E+04	3.75502391E+01			4
pche6qD 1/22/ 8 THERMc 9h 16o 2 OG	300.000	5000.000	1392.000	51
3.21945289E+01 3.81278576E-02-1.32730771E-05	2.08530159E-09	-1.21993499E-13		2
-3.89632774E+04-1.45276620E+02-6.30362428E+00	1.31283459E-01	-1.01037253E-04		3
4.03697791E-08-6.61511605E-12-2.58674404E+04	6.04223021E+01			4
pche6ojD 1/22/ 8 THERMc 9h 15o 1 OG	300.000	5000.000	1395.000	31
2.81835424E+01 3.66125216E-02-1.26006187E-05	1.96471338E-09	-1.14339066E-13		2
-1.89208105E+04-1.25462844E+02-7.35440100E+00	1.23039179E-01	-9.40305880E-05		3
3.72807861E-08-6.03851475E-12-6.92974874E+03	6.41733074E+01			4
Ac9e2oF 1/22/ 8 THERMc 9h 15o 1 OG	300.000	5000.000	1381.000	61
2.75603557E+01 3.51200650E-02-1.19339601E-05	1.84586514E-09	-1.06851584E-13		2
-2.43297128E+04-1.11604983E+02 4.08804598E-01	9.55441481E-02	-6.31480365E-05		3
2.16795166E-08-3.09204114E-12-1.45263799E+04	3.54090343E+01			4
Ac9e3oF 1/22/ 8 THERMc 9h 15o 1 OG	300.000	5000.000	1389.000	71
2.69796725E+01 3.60941888E-02-1.24520618E-05	1.94429910E-09	-1.13250776E-13		2
-1.56603282E+04-1.04951279E+02-7.15594414E-01	1.00202922E-01	-7.04580714E-05		3
2.65106160E-08-4.21627472E-12-5.83735660E+03	4.42438047E+01			4
Ac7eIoD 1/22/ 8 THERMc 7h 11o 1 OG	300.000	5000.000	1389.000	51
2.12133027E+01 2.66192541E-02-9.19647902E-06	1.43730577E-09	-8.37730259E-14		2
-1.06370885E+03-7.82218671E+01 3.90026555E-01	7.60627605E-02	-5.56462107E-05		3
2.20224848E-08-3.68416204E-12 6.22306901E+03	3.35557913E+01			4
Ic9e3oA 1/23/ 8 THERMc 9h 15o 1 OG	300.000	5000.000	1391.000	71

2.74032165E+01 3.56045987E-02-1.22554498E-05 1.91080229E-09-1.11189350E-13 2  
-1.18686793E+04-1.08001986E+02-5.10895054E-01 9.89415837E-02-6.73224866E-05 3  
2.38662409E-08-3.51161260E-12-1.91948810E+03 4.26919944E+01 4  
Gc7e3oA 1/23/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1390.000 51  
2.10678286E+01 2.66193759E-02-9.17059929E-06 1.43067828E-09-8.32859754E-14 2  
-3.67286572E+03-7.68313448E+01-1.40401729E-01 7.49051730E-02-5.13606596E-05 3  
1.83619241E-08-2.72583052E-12 3.87013180E+03 3.76035229E+01 4  
Ic9e4oA 1/23/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1387.000 71  
2.76285486E+01 3.49255658E-02-1.19188653E-05 1.84803268E-09-1.07133722E-13 2  
-1.23933788E+04-1.08936941E+02 6.17447216E-01 9.61516233E-02-6.50151955E-05 3  
2.29361898E-08-3.35854706E-12-2.76954105E+03 3.68896249E+01 4  
MeDc8e9oArH 1/23/8 THERMc 9h 15o 1 OG 300.000 5000.000 1389.000 71  
2.80030490E+01 3.47386613E-02-1.18805763E-05 1.84456305E-09-1.07026342E-13 2  
-1.27296155E+04-1.11412234E+02 9.01648300E-01 9.74749534E-02-6.80845196E-05 3  
2.51531376E-08-3.88598764E-12-3.18200566E+03 3.44753191E+01 4  
MeDc6e7oArF 1/23/8 THERMc 7h 11o 1 OG 300.000 5000.000 1387.000 51  
2.17689222E+01 2.55765411E-02-8.71701839E-06 1.35049682E-09-7.82498022E-14 2  
-4.56972147E+03-8.07999448E+01 1.31453082E+00 7.31997238E-02-5.16663724E-05 3  
1.92890450E-08-3.00698919E-12 2.60222605E+03 2.91992473E+01 4  
Dc5e4oA 1/23/ 8 THERMc 5h 7o 1 OG 300.000 5000.000 1375.000 31  
1.52417047E+01 1.65961102E-02-5.60640353E-06 8.64059112E-10-4.99029144E-14 2  
9.34652679E+03-4.92605623E+01 3.11275589E+00 4.21860917E-02-2.54886635E-05 3  
7.61300970E-09-8.92609097E-13 1.38593978E+04 1.68993250E+01 4  
EtDc7e9oArG 1/24/8 THERMc 9h 15o 1 OG 300.000 5000.000 1390.000 71  
2.78871164E+01 3.48897522E-02-1.19434139E-05 1.85541677E-09-1.07698428E-13 2  
-1.20556961E+04-1.11486098E+02 3.82669315E-01 9.86468468E-02-6.90522634E-05 3  
2.54844674E-08-3.92135706E-12-2.38699829E+03 3.65190823E+01 4  
Gc7e4oA 1/25/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1384.000 51  
2.14668050E+01 2.56536183E-02-8.70917982E-06 1.34609159E-09-7.78768806E-14 2  
-4.26415898E+03-7.87347276E+01 1.06457910E+00 7.16997508E-02-4.82810948E-05 3  
1.68416189E-08-2.42336894E-12 3.00996795E+03 3.14589622E+01 4  
Ec5e4oA 1/23/ 8 THERMc 5h 7o 1 OG 300.000 5000.000 1381.000 31  
1.57433698E+01 1.61784999E-02-5.46428086E-06 8.42080578E-10-4.86316494E-14 2  
1.02963886E+04-5.22903256E+01 2.26384712E+00 4.71093521E-02-3.27391557E-05 3  
1.19096892E-08-1.79939914E-12 1.50568678E+04 2.03429136E+01 4  
MeDc6e5oArG 1/23/8 THERMc 7h 11o 1 OG 300.000 5000.000 1389.000 51  
2.16305509E+01 2.57601371E-02-8.79326865E-06 1.36361484E-09-7.90588687E-14 2  
-3.88575338E+03-8.07458501E+01 7.64130350E-01 7.45179565E-02-5.28670480E-05 3  
1.97729965E-08-3.07707005E-12 3.40187013E+03 3.13874797E+01 4  
Dc9e8oA 1/23/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1376.000 71  
2.83354281E+01 3.33963756E-02-1.12125174E-05 1.72115972E-09-9.91347659E-14 2  
-1.26138674E+04-1.12795370E+02 1.68734650E+00 8.94937303E-02-5.34371686E-05 3  
1.47945147E-08-1.39753440E-12-2.81934395E+03 3.23825968E+01 4  
EtDc7e6oArI 1/23/8 THERMc 9h 15o 1 OG 300.000 5000.000 1388.000 71  
2.81880065E+01 3.43689381E-02-1.17103702E-05 1.81388974E-09-1.05084674E-13 2  
-1.22904305E+04-1.13157023E+02 3.46513884E-01 9.85099773E-02-6.83736129E-05 3  
2.47522225E-08-3.70466931E-12-2.50060406E+03 3.67417662E+01 4  
Dc7e6oA 1/23/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1373.000 51  
2.16461497E+01 2.50734822E-02-8.42756023E-06 1.29463237E-09-7.46068729E-14 2  
-4.30739533E+03-7.97028069E+01 2.26304812E+00 6.46648821E-02-3.65860801E-05 3  
9.02287721E-09-6.08247739E-13 2.93698457E+03 2.63240264E+01 4  
Gc7e1oE 1/23/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1380.000 51  
2.16249765E+01 2.54055412E-02-8.60634797E-06 1.32882865E-09-7.68401496E-14 2  
-6.82065235E+03-7.97027183E+01 1.54075074E+00 7.12233754E-02-4.90687345E-05 3  
1.79360855E-08-2.76043941E-12 3.42540498E+02 2.86874923E+01 4  
Ic9e3oB 1/23/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1389.000 71  
2.76173766E+01 3.57190583E-02-1.23600652E-05 1.93388004E-09-1.12805003E-13 2  
-1.82297947E+04-1.10234251E+02-4.65524904E-01 9.91833888E-02-6.75589227E-05 3  
2.40906759E-08-3.59170193E-12-8.15747962E+03 4.15245879E+01 4  
Gc7e3oB 1/23/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1389.000 51  
2.13190845E+01 2.66909913E-02-9.25815025E-06 1.45087176E-09-8.47252979E-14 2

-1.00457003E+04-7.92710828E+01-2.98009342E-01	7.61404797E-02-5.31184119E-05	3
1.95337240E-08-3.01470891E-12-2.33983283E+03	3.73560498E+01	4
MeDc8e9oBrH 1/24/8 THERMc 9h 15o 1 OG	300.000 5000.000 1390.000	71
2.75823304E+01 3.56391742E-02-1.23081841E-05	1.92324360E-09-1.12082838E-13	2
-1.60037218E+04-1.09065854E+02-7.55864372E-01	1.00657501E-01-7.00070507E-05	3
2.56376586E-08-3.92808866E-12-5.94357202E+03	4.37158521E+01	4
MeDc6e7oBrF 1/24/8 THERMc 7h 11o 1 OG	300.000 5000.000 1390.000	51
2.12581554E+01 2.66328317E-02-9.21358509E-06	1.44134938E-09-8.40665803E-14	2
-7.80880527E+03-7.79512622E+01-4.07081933E-01	7.67501480E-02-5.42506990E-05	3
2.02570537E-08-3.16818041E-12-1.51632128E+02	3.87206929E+01	4
Dc5e4oB 1/23/ 8 THERMc 5h 7o 1 OG	300.000 5000.000 1385.000	31
1.45037888E+01 1.79639203E-02-6.22913661E-06	9.75993112E-10-5.69865712E-14	2
6.21008848E+03-4.51075397E+01 1.26960339E+00	4.63569889E-02-2.91949538E-05	3
9.38407324E-09-1.24591650E-12 1.11226148E+04	2.69714136E+01	4
Ic9e4oB 1/24/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1389.000	71
2.70702212E+01 3.60461782E-02-1.24428085E-05	1.94368953E-09-1.13251406E-13	2
-1.56173152E+04-1.05822999E+02-9.48867004E-01	9.89841231E-02-6.65713594E-05	3
2.33055792E-08-3.39531527E-12-5.54575149E+03	4.56996355E+01	4
EtDc7e9oBrG 1/24/8 THERMc 9h 15o 1 OG	300.000 5000.000 1389.000	71
2.74207699E+01 3.55716688E-02-1.22398603E-05	1.90790813E-09-1.11001535E-13	2
-1.57629963E+04-1.08579686E+02 9.45284085E-02	9.80778340E-02-6.75370200E-05	3
2.45753090E-08-3.75225167E-12-6.03683935E+03	3.88243929E+01	4
Gc7e4oB 1/24/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1388.000	51
2.07390255E+01 2.70515980E-02-9.35350297E-06	1.46274662E-09-8.52954844E-14	2
-7.42136205E+03-7.46721116E+01-5.84203026E-01	7.49890071E-02-5.06793226E-05	3
1.78437049E-08-2.61835626E-12 2.44307886E+02	4.06348097E+01	4
Ec5e4oB 1/23/ 8 THERMc 5h 7o 1 OG	300.000 5000.000 1388.000	31
1.50107659E+01 1.75254134E-02-6.07623002E-06	9.51963051E-10-5.55810889E-14	2
7.16252705E+03-4.81564844E+01 4.28426130E-01	5.12607427E-02-3.64206500E-05	3
1.36557347E-08-2.14448770E-12 1.23184732E+04	3.03758697E+01	4
MeDc6e5oBrG 1/24/8 THERMc 7h 11o 1 OG	300.000 5000.000 1388.000	51
2.10968190E+01 2.65567386E-02-9.14055564E-06	1.42510691E-09-8.29257744E-14	2
-7.56928396E+03-7.74671933E+01 4.59482249E-01	7.40544670E-02-5.15832183E-05	3
1.90622263E-08-2.96162808E-12-2.46061674E+02	3.37640187E+01	4
Dc9e8oB 1/24/ 8 THERMc 9h 15o 1 OG	300.000 5000.000 1374.000	71
2.80186574E+01 3.38388069E-02-1.14026003E-05	1.75466708E-09-1.01239117E-13	2
-1.63749681E+04-1.10725173E+02 1.19864307E+00	8.97143000E-02-5.28747290E-05	3
1.43261224E-08-1.29891419E-12-6.43690160E+03	3.56338120E+01	4
EtDc7e6oBrI 1/24/8 THERMc 9h 15o 1 OG	300.000 5000.000 1388.000	71
2.76507513E+01 3.51612723E-02-1.20538353E-05	1.87448549E-09-1.08885624E-13	2
-1.59685705E+04-1.09851518E+02-1.45654782E-02	9.82872463E-02-6.74262977E-05	3
2.42299642E-08-3.62636701E-12-6.13979377E+03	3.93814106E+01	4
Dc7e6oB 1/24/ 8 THERMc 7h 11o 1 OG	300.000 5000.000 1372.000	51
2.13122865E+01 2.54793398E-02-8.59416716E-06	1.32337702E-09-7.63904410E-14	2
-8.04670949E+03-7.74976609E+01 1.78161805E+00	6.48884895E-02-3.61027750E-05	3
8.60477314E-09-5.17178369E-13-6.82273320E+02	2.95359832E+01	4
MeDc8e7oBrI 1/24/8 THERMc 9h 15o 1 OG	300.000 5000.000 1388.000	71
2.76507513E+01 3.51612723E-02-1.20538353E-05	1.87448549E-09-1.08885624E-13	2
-1.59685705E+04-1.09851518E+02-1.45654782E-02	9.82872463E-02-6.74262977E-05	3
2.42299642E-08-3.62636701E-12-6.13979377E+03	3.93814106E+01	4
MeDc8e9oCrH 1/24/8 THERMc 9h 15o 1 OG	300.000 5000.000 1390.000	71
2.79936865E+01 3.52120429E-02-1.21424305E-05	1.89535545E-09-1.10374374E-13	2
-1.78590802E+04-1.12352624E+02 1.55351515E-01	1.01391194E-01-7.40800939E-05	3
2.90989537E-08-4.80895280E-12-8.16092770E+03	3.69930363E+01	4
MeCc6e7oDrA 1/24/8 THERMc 7h 11o 1 OG	300.000 5000.000 1390.000	51
2.16559748E+01 2.62261536E-02-9.05684802E-06	1.41507124E-09-8.24600061E-14	2
-9.66227361E+03-8.11676453E+01 5.38824472E-01	7.72954503E-02-5.80392416E-05	3
2.35504305E-08-4.01423566E-12-2.37315556E+03	3.18451627E+01	4
Bc5e1oC 1/23/ 8 THERMc 5h 7o 1 OG	300.000 5000.000 1382.000	21
1.49916769E+01 1.80169437E-02-6.25611084E-06	9.81044881E-10-5.73127293E-14	2
-4.86264792E+02-4.92310361E+01 3.23983415E+00	4.28535315E-02-2.64504470E-05	3

8.67499058E-09-1.23911835E-12 3.97958374E+03 1.50188933E+01	4
eche1oD 1/24/ 8 THERMc 8h 12o 1 OG 300.000 5000.000 1393.000	11
2.28951289E+01 3.19941037E-02-1.10554273E-05 1.72822760E-09-1.00750729E-13	2
-3.10194670E+04-9.80687856E+01-6.14245216E+00 1.01684231E-01-7.61542619E-05	3
2.98988477E-08-4.84564793E-12-2.10706432E+04 5.73070282E+01	4
c9e6oyA 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1387.000	71
2.76387535E+01 3.49211124E-02-1.19183338E-05 1.84806029E-09-1.07139996E-13	2
-1.84989265E+04-1.09771899E+02 6.09356016E-01 9.59639588E-02-6.45261240E-05	3
2.25531854E-08-3.26273833E-12-8.85197914E+03 3.62232601E+01	4
Ic9e3oE 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1388.000	71
2.74949896E+01 3.57605696E-02-1.23597173E-05 1.93222949E-09-1.12642126E-13	2
-1.82475442E+04-1.09145338E+02 3.74143422E-02 9.92696905E-02-6.98763947E-05	3
2.63627271E-08-4.21156354E-12-8.49126519E+03 3.88080570E+01	4
Hc8h15-3 1/24/ 8 THERMc 8h 15 0 OG 300.000 5000.000 1392.000	61
2.35136685E+01 3.37288193E-02-1.14970987E-05 1.78091793E-09-1.03163246E-13	2
1.30454290E+03-9.16472242E+01-1.63061239E+00 9.08820010E-02-6.10884167E-05	3
2.14089305E-08-3.10298535E-12 1.02319783E+04 4.40166630E+01	4
Ac7e4oC 1/24/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1396.000	51
2.00481096E+01 2.57409047E-02-8.49560831E-06 1.28762843E-09-7.34632712E-14	2
-7.48022865E+03-8.07975415E+01 2.65201995E-01 7.69619980E-02-6.06229821E-05	3
2.58348866E-08-4.52776588E-12-1.08557699E+03 2.37149955E+01	4
Ic9e4oC 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1388.000	71
2.74949896E+01 3.57605696E-02-1.23597173E-05 1.93222949E-09-1.12642126E-13	2
-1.82475442E+04-1.09145338E+02 3.74143422E-02 9.92696905E-02-6.98763947E-05	3
2.63627271E-08-4.21156354E-12-8.49126519E+03 3.88080570E+01	4
EtDc7e9oCrH 1/24/8 THERMc 9h 15o 1 OG 300.000 5000.000 1391.000	71
2.73963208E+01 3.58069108E-02-1.23670192E-05 1.93243390E-09-1.12615214E-13	2
-1.62754870E+04-1.08376060E+02-6.40137862E-01 1.01317179E-01-7.22628975E-05	3
2.75464912E-08-4.42233958E-12-6.40368750E+03 4.24207819E+01	4
Gc7e4oC 1/24/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1388.000	51
2.11655002E+01 2.67595219E-02-9.26719261E-06 1.45069070E-09-8.46480252E-14	2
-1.00529625E+04-7.80046244E+01 4.13746135E-01 7.52020743E-02-5.38655848E-05	3
2.08230439E-08-3.41688550E-12-2.70236612E+03 3.36937419E+01	4
Ac5e1oC 1/23/ 8 THERMc 5h 7o 1 OG 300.000 5000.000 1035.000	51
1.23260482E+01 3.60790879E-02-1.07903338E-05 9.49610949E-10 7.11959879E-15	2
5.73120164E+03-3.69358192E+01-1.86614232E+01 1.58271871E-01-1.84090954E-04	3
1.10294908E-07-2.70705354E-11 1.14653088E+04 1.11893541E+02	4
MeCc6eloDrG 1/24/8 THERMc 7h 11o 1 OG 300.000 5000.000 1390.000	51
2.10748427E+01 2.67856111E-02-9.26460496E-06 1.44905483E-09-8.45021450E-14	2
-8.08304757E+03-7.72784078E+01-3.16015369E-01 7.74586173E-02-5.65431255E-05	3
2.21716950E-08-3.66098039E-12-6.06252878E+02 3.75531495E+01	4
Ac9e6oB 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1390.000	61
2.84634282E+01 3.47459749E-02-1.18790299E-05 1.84403615E-09-1.06988432E-13	2
-1.98492867E+04-1.15212700E+02-7.18587254E-01 1.03849300E-01-7.53910500E-05	3
2.88638953E-08-4.58719088E-12-9.75409275E+03 4.12742454E+01	4
Gc7h13-3 1/24/ 8 THERMc 7h 13 0 OG 300.000 5000.000 1392.000	51
2.02595343E+01 2.94019199E-02-1.00312524E-05 1.55475333E-09-9.00969885E-14	2
5.42336436E+03-7.56005591E+01-1.28816625E+00 7.82039641E-02-5.22552162E-05	3
1.82427873E-08-2.64174309E-12 1.31025026E+04 4.07391378E+01	4
Ac9e6oD 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1389.000	71
2.69796725E+01 3.60941888E-02-1.24520618E-05 1.94429910E-09-1.13250776E-13	2
-1.56603282E+04-1.04951279E+02-7.15594414E-01 1.00202922E-01-7.04580714E-05	3
2.65106160E-08-4.21627472E-12-5.83735660E+03 4.42438047E+01	4
Ac7e4oB 1/24/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1393.000	41
2.19747711E+01 2.63086476E-02-9.07150464E-06 1.41608285E-09-8.24723916E-14	2
-1.11514168E+04-8.34989852E+01-1.48818913E+00 8.26348148E-02-6.17199925E-05	3
2.42210053E-08-3.92812284E-12-3.11235934E+03 4.20453962E+01	4
EtDc7e6oCrI 1/24/8 THERMc 9h 15o 1 OG 300.000 5000.000 1390.000	71
2.75558658E+01 3.54907381E-02-1.22192430E-05 1.90543615E-09-1.10887363E-13	2
-1.59269084E+04-1.09243329E+02-8.67767938E-01 1.02070702E-01-7.29821349E-05	3
2.77153788E-08-4.40733673E-12-5.97074623E+03 4.35184767E+01	4

Dc9e8oC	1/24/	8 THERMc	9h	15o	1	OG	300.000	5000.000	1386.000	61
2.92403819E+01	3.35344579E-02	-1.13520325E-05	1.75139632E-09	-1.01204126E-13						2
-1.87472318E+04	-1.19916098E+02	4.96217372E-02	1.03875619E-01	-7.74698653E-05						3
3.06124203E-08	-5.01484460E-12	-8.77140583E+03	3.61871767E+01							4
Dc7eloE	1/24/	8 THERMc	7h	11o	1	OG	300.000	5000.000	1384.000	41
2.28850181E+01	2.46240719E-02	-8.30820876E-06	1.27942954E-09	-7.38514683E-14						2
-1.05591936E+04	-8.86633624E+01	6.31920283E-01	7.89136754E-02	-6.01855650E-05						3
2.43575964E-08	-4.07914163E-12	-3.01407020E+03	3.01154268E+01							4
echeloF	1/24/	8 THERMc	8h	12o	1	OG	300.000	5000.000	1385.000	11
2.37156302E+01	3.02780430E-02	-1.02598619E-05	1.58450345E-09	-9.16420462E-14						2
-3.08640689E+04	-1.02296953E+02	-5.08929091E+00	9.88733966E-02	-7.32504548E-05						3
2.81693175E-08	-4.43961119E-12	-2.10003074E+04	5.19293489E+01							4
Ac9e6oC	1/24/	8 THERMc	9h	15o	1	OG	300.000	5000.000	1383.000	71
2.75654649E+01	3.47584146E-02	-1.18198072E-05	1.82882293E-09	-1.05880704E-13						2
-1.63059878E+04	-1.07858716E+02	4.86390089E-01	9.68892586E-02	-6.69993551E-05						3
2.45681502E-08	-3.78452680E-12	-6.69439268E+03	3.81352101E+01							4
MeDc8e7oCrI	1/24/8	THERMc	9h	15o	1	OG	300.000	5000.000	1390.000	71
2.75558658E+01	3.54907381E-02	-1.22192430E-05	1.90543615E-09	-1.10887363E-13						2
-1.59269084E+04	-1.09243329E+02	-8.67767938E-01	1.02070702E-01	-7.29821349E-05						3
2.77153788E-08	-4.40733673E-12	-5.97074623E+03	4.35184767E+01							4
MeEc8e9oDrA	1/24/8	THERMc	9h	15o	1	OG	300.000	5000.000	1390.000	71
2.79936865E+01	3.52120429E-02	-1.21424305E-05	1.89535545E-09	-1.10374374E-13						2
-1.78590802E+04	-1.12352624E+02	1.55351515E-01	1.01391194E-01	-7.40800939E-05						3
2.90989537E-08	-4.80895280E-12	-8.16092770E+03	3.69930363E+01							4
MeCc6e7oBrA	1/24/8	THERMc	7h	11o	1	OG	300.000	5000.000	1395.000	41
2.30205831E+01	2.54165057E-02	-8.76216288E-06	1.36757164E-09	-7.96367737E-14						2
-1.33672349E+04	-9.10966712E+01	-8.20190991E-01	8.47679172E-02	-6.67363894E-05						3
2.76697221E-08	-4.71062015E-12	-5.40670777E+03	3.57239906E+01							4
mcheloD	1/24/	8 THERMc	7h	10o	1	OG	300.000	5000.000	1394.000	01
2.01697645E+01	2.65092845E-02	-9.03743820E-06	1.40028948E-09	-8.11375852E-14						2
-2.69338657E+04	-8.35191285E+01	-3.58892664E+00	8.37547755E-02	-6.23297779E-05						3
2.41973596E-08	-3.85119606E-12	-1.88665907E+04	4.34460939E+01							4
MeEc8e9oCrA	1/24/8	THERMc	9h	15o	1	OG	300.000	5000.000	1389.000	71
2.74600798E+01	3.57065818E-02	-1.23224287E-05	1.92445256E-09	-1.12109753E-13						2
-1.60308232E+04	-1.08001829E+02	-3.52101941E-01	1.01105648E-01	-7.27843828E-05						3
2.81740647E-08	-4.60435534E-12	-6.26030384E+03	4.14747219E+01							4
MeEc8e9oyA	1/24/	8 THERMc	9h	15o	1	OG	300.000	5000.000	1389.000	71
2.80153159E+01	3.47306690E-02	-1.18784705E-05	1.84431131E-09	-1.07015089E-13						2
-1.88358768E+04	-1.12258554E+02	8.94023311E-01	9.72842670E-02	-6.75886667E-05						3
2.47642144E-08	-3.78856156E-12	-9.26449742E+03	3.38069467E+01							4
MeCc6e7oyA	1/24/	8 THERMc	7h	11o	1	OG	300.000	5000.000	1391.000	51
2.15696479E+01	2.62260606E-02	-9.04179371E-06	1.41125528E-09	-8.21816272E-14						2
-1.01552444E+04	-8.07872190E+01	1.22030884E-01	7.60540809E-02	-5.38446903E-05						3
2.00447643E-08	-3.10739109E-12	-2.62185676E+03	3.45937909E+01							4
MeBc5elrF	1/24/	8 THERMc	6h	11	0	OG	300.000	5000.000	1395.000	31
1.82026718E+01	2.44812048E-02	-8.35996384E-06	1.29643763E-09	-7.51546950E-14						2
2.33876532E+03	-6.95575445E+01	-1.47932805E+00	7.22802333E-02	-5.37942381E-05						3
2.13741487E-08	-3.53072969E-12	9.04209177E+03	3.55846172E+01							4
MeDc7e8rA	1/24/	8 THERMc	8h	15	0	OG	300.000	5000.000	1393.000	61
2.39346860E+01	3.34622778E-02	-1.14237113E-05	1.77127107E-09	-1.02670849E-13						2
9.50665421E+02	-9.43797351E+01	-1.24548629E+00	9.17390575E-02	-6.34283865E-05						3
2.31490754E-08	-3.52127185E-12	9.80459419E+03	4.11379259E+01							4
mcheloE	1/24/	8 THERMc	7h	10o	1	OG	300.000	5000.000	1386.000	01
2.07629532E+01	2.52877789E-02	-8.47681615E-06	1.29974475E-09	-7.48000483E-14						2
-2.76203475E+04	-8.65483538E+01	-2.11957385E+00	7.93172621E-02	-5.72984839E-05						3
2.14180492E-08	-3.26730030E-12	-1.97657027E+04	3.60864151E+01							4
MeEc8e9oBrH	1/24/8	THERMc	9h	15o	1	OG	300.000	5000.000	1388.000	71
2.75254751E+01	3.54354132E-02	-1.21828876E-05	1.89801539E-09	-1.10386263E-13						2
-1.64313423E+04	-1.08440996E+02	5.74140762E-01	9.70841037E-02	-6.68413922E-05						3
2.44145535E-08	-3.75446204E-12	-6.82594357E+03	3.69624675E+01							4
Ac9e5oC	1/24/	8 THERMc	9h	15o	1	OG	300.000	5000.000	1389.000	71

2.69796725E+01	3.60941888E-02	-1.24520618E-05	1.94429910E-09	-1.13250776E-13	2	
-1.56603282E+04	-1.04951279E+02	-7.15594414E-01	1.00202922E-01	-7.04580714E-05	3	
2.65106160E-08	-4.21627472E-12	-5.83735660E+03	4.42438047E+01		4	
MeEc6e5oBrG	1/24/8 THERMc	7h 11o 1 OG	300.000	5000.000	1389.000	41
2.18152942E+01	2.63955791E-02	-9.09023823E-06	1.41779213E-09	-8.25213692E-14	2	
-1.50426859E+04	-8.37223455E+01	3.13380268E-01	7.77345889E-02	-5.73228673E-05	3	
2.26612866E-08	-3.75784315E-12	-7.58430278E+03	3.15348760E+01		4	
Ac9e5oD	1/24/ 8 THERMc	9h 15o 1 OG	300.000	5000.000	1388.000	71
2.74949896E+01	3.57605696E-02	-1.23597173E-05	1.93222949E-09	-1.12642126E-13	2	
-1.82475442E+04	-1.09145338E+02	3.74143422E-02	9.92696905E-02	-6.98763947E-05	3	
2.63627271E-08	-4.21156354E-12	-8.49126519E+03	3.88080570E+01		4	
Ac7e3oB	1/24/ 8 THERMc	7h 11o 1 OG	300.000	5000.000	1392.000	41
2.25316773E+01	2.59650419E-02	-8.98120420E-06	1.40489483E-09	-8.19375493E-14	2	
-1.37600082E+04	-8.79489331E+01	-1.04100436E+00	8.31434162E-02	-6.32874906E-05	3	
2.54064976E-08	-4.21836998E-12	-5.72267942E+03	3.80065544E+01		4	
EtDc7eloCrI	1/24/8 THERMc	9h 15o 1 OG	300.000	5000.000	1392.000	71
2.83661162E+01	3.51125251E-02	-1.21575363E-05	1.90297923E-09	-1.11035066E-13	2	
-1.81887474E+04	-1.15453364E+02	-2.50103390E+00	1.09477970E-01	-8.24469681E-05	3	
3.29086562E-08	-5.45954568E-12	-7.58616849E+03	4.97041953E+01		4	
Dc7eloC	1/23/ 8 THERMc	7h 11o 1 OG	300.000	5000.000	1393.000	31
2.21943129E+01	2.62103676E-02	-8.96188910E-06	1.39098413E-09	-8.06844384E-14	2	
-1.24040053E+04	-8.60120444E+01	1.05310053E-01	8.19587294E-02	-6.46866529E-05	3	
2.74153729E-08	-4.80345154E-12	-5.05697958E+03	3.13003989E+01		4	
EtDc7e9oyA	1/25/ 8 THERMc	9h 15o 1 OG	300.000	5000.000	1390.000	71
2.78998178E+01	3.48812212E-02	-1.19410924E-05	1.85512889E-09	-1.07684989E-13	2	
-1.81621478E+04	-1.12334905E+02	3.76106283E-01	9.84513479E-02	-6.85486971E-05	3	
2.50904988E-08	-3.82278166E-12	-8.46965149E+03	3.58457935E+01		4	
EtCc6elrH	1/24/ 8 THERMc	8h 15 0 OG	300.000	5000.000	1394.000	61
2.38461196E+01	3.36012356E-02	-1.14853528E-05	1.78229044E-09	-1.03368100E-13	2	
1.60393074E+03	-9.46292141E+01	-1.70966538E+00	9.26426497E-02	-6.39663378E-05	3	
2.32202015E-08	-3.50297681E-12	1.05918798E+04	4.29325453E+01		4	
MeEc8eloDrI	1/24/8 THERMc	9h 15o 1 OG	300.000	5000.000	1392.000	71
2.77123740E+01	3.54997648E-02	-1.22541046E-05	1.91421227E-09	-1.11534193E-13	2	
-1.55266584E+04	-1.10403911E+02	-2.21887559E+00	1.05624779E-01	-7.59169652E-05	3	
2.86501461E-08	-4.48986982E-12	-5.08273676E+03	5.03899633E+01		4	
MeEc8eloyI	1/24/ 8 THERMc	9h 15o 1 OG	300.000	5000.000	1393.000	71
2.79370225E+01	3.51508725E-02	-1.20987316E-05	1.88630861E-09	-1.09761615E-13	2	
-1.82354934E+04	-1.12870694E+02	-5.69572662E-01	1.00237977E-01	-6.88491218E-05	3	
2.44535841E-08	-3.57272632E-12	-8.15259288E+03	4.08153147E+01		4	
c6ele5oC	1/24/ 8 THERMc	6h 8o 1 OG	300.000	5000.000	1394.000	21
1.72837064E+01	2.09547441E-02	-7.22318386E-06	1.12721617E-09	-6.56317543E-14	2	
-1.30794819E+04	-6.19017868E+01	-1.59075323E+00	6.84601785E-02	-5.44976291E-05	3	
2.30853603E-08	-4.02852222E-12	-6.79611774E+03	3.83720285E+01		4	
Ec8h15-1	1/24/ 8 THERMc	8h 15 0 OG	300.000	5000.000	1384.000	61
2.38137997E+01	3.29111978E-02	-1.11043362E-05	1.70913415E-09	-9.85919191E-14	2	
1.21766863E+03	-9.32787751E+01	-6.59887142E-01	8.48568447E-02	-5.09516976E-05	3	
1.45505436E-08	-1.49835714E-12	1.01939871E+04	3.99394663E+01		4	
Ac9e5oB	1/24/ 8 THERMc	9h 15o 1 OG	300.000	5000.000	1390.000	61
2.84634282E+01	3.47459749E-02	-1.18790299E-05	1.84403615E-09	-1.06988432E-13	2	
-1.98492867E+04	-1.15212700E+02	-7.18587254E-01	1.03849300E-01	-7.53910500E-05	3	
2.88638953E-08	-4.58719088E-12	-9.75409275E+03	4.12742454E+01		4	
EtDc7e9oBrA	1/24/8 THERMc	9h 15o 1 OG	300.000	5000.000	1392.000	61
2.87460428E+01	3.46680894E-02	-1.18849787E-05	1.84814474E-09	-1.07348982E-13	2	
-1.95201843E+04	-1.17894187E+02	-9.37757039E-01	1.06270022E-01	-7.93024518E-05	3	
3.13205667E-08	-5.12729208E-12	-9.37383216E+03	4.08321655E+01		4	
MeCc6elrG	1/24/ 8 THERMc	7h 13 0 OG	300.000	5000.000	1394.000	51
2.06286628E+01	2.92376417E-02	-1.00059274E-05	1.55393368E-09	-9.01719819E-14	2	
5.70589927E+03	-7.87995254E+01	-1.54565686E+00	8.07549368E-02	-5.62650639E-05	3	
2.07289386E-08	-3.18615282E-12	1.34892129E+04	4.04806840E+01		4	
EtDc7eloHrI	1/24/8 THERMc	9h 15o 1 OG	300.000	5000.000	1395.000	61
2.88582361E+01	3.47763025E-02	-1.19665371E-05	1.86542159E-09	-1.08537074E-13	2	



-1.96139051E+04-1.18830334E+02-2.07356317E+00 1.08859562E-01-8.07493870E-05 3  
 3.13296665E-08-5.00622311E-12-9.02686043E+03 4.66910731E+01 4  
 Fc9e1oE 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1393.000 61  
 2.80780146E+01 3.30659810E-02-1.08848887E-05 1.64787647E-09-9.39744912E-14 2  
 -1.52251186E+04-1.22764619E+02-1.27853907E+00 1.09174419E-01-8.80694149E-05 3  
 3.77407444E-08-6.58758092E-12-5.79283226E+03 3.22134901E+01 4  
 c7ele6oC 1/24/ 8 THERMc 7h 10o 1 OG 300.000 5000.000 1392.000 31  
 2.02433146E+01 2.55576101E-02-8.78799262E-06 1.36906664E-09-7.96161671E-14 2  
 -1.75679763E+04-7.60602404E+01-3.47371661E-01 7.66133908E-02-5.91438729E-05 3  
 2.47222183E-08-4.31311361E-12-1.05914186E+04 3.36795687E+01 4  
 c9e5oyA 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1387.000 71  
 2.76387535E+01 3.49211124E-02-1.19183338E-05 1.84806029E-09-1.07139996E-13 2  
 -1.84989265E+04-1.09771899E+02 6.09356016E-01 9.59639588E-02-6.45261240E-05 3  
 2.25531854E-08-3.26273833E-12-8.85197914E+03 3.62232601E+01 4  
 EtDc7e9oCrA 1/24/8 THERMc 9h 15o 1 OG 300.000 5000.000 1389.000 71  
 2.74207699E+01 3.55716688E-02-1.22398603E-05 1.90790813E-09-1.11001535E-13 2  
 -1.59341085E+04-1.08584719E+02 9.45284085E-02 9.80778340E-02-6.75370200E-05 3  
 2.45753090E-08-3.75225167E-12-6.20795158E+03 3.88193602E+01 4  
 Ac8h15-4 1/24/ 8 THERMc 8h 15 0 OG 300.000 5000.000 1392.000 61  
 2.35136685E+01 3.37288193E-02-1.14970987E-05 1.78091793E-09-1.03163246E-13 2  
 1.30454290E+03-9.16472242E+01-1.63061239E+00 9.08820010E-02-6.10884167E-05 3  
 2.14089305E-08-3.10298535E-12 1.02319783E+04 4.40166630E+01 4  
 EtBc5e7oyA 1/24/ 8 THERMc 7h 11o 1 OG 300.000 5000.000 1393.000 51  
 2.15550512E+01 2.62614900E-02-9.05909909E-06 1.41448550E-09-8.23911103E-14 2  
 -1.04247908E+04-8.14573314E+01-5.28433349E-01 7.77608927E-02-5.54146741E-05 3  
 2.06413386E-08-3.18323640E-12-2.70746241E+03 3.72416569E+01 4  
 Fc9e1oC 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1381.000 71  
 2.82304677E+01 3.41043206E-02-1.15796384E-05 1.79022138E-09-1.03600366E-13 2  
 -1.84472170E+04-1.13108518E+02 5.45344018E-01 9.50191613E-02-6.16874215E-05 3  
 2.01426108E-08-2.63599843E-12-8.45419002E+03 3.69195672E+01 4  
 MeEc8e1oCrI 1/24/8 THERMc 9h 15o 1 OG 300.000 5000.000 1384.000 71  
 3.12333014E+01 3.33031702E-02-1.16767354E-05 1.84324185E-09-1.08188353E-13 2  
 -1.95339069E+04-1.22548811E+02-1.12906485E-01 1.05240737E-01-7.56902029E-05 3  
 2.83282066E-08-4.41769897E-12-8.39753008E+03 4.64649097E+01 4  
 EtDc7e1oyI 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1388.000 71  
 2.81976221E+01 3.43654852E-02-1.17102814E-05 1.81399559E-09-1.05095843E-13 2  
 -1.83957695E+04-1.13988719E+02 3.38536349E-01 9.83220771E-02-6.78848122E-05 3  
 2.43698584E-08-3.60908764E-12-8.58306433E+03 3.60748308E+01 4  
 MeDc7e1rH 1/24/ 8 THERMc 8h 15 0 OG 300.000 5000.000 1393.000 61  
 2.38489634E+01 3.36289665E-02-1.15018377E-05 1.78560400E-09-1.03591617E-13 2  
 1.45714388E+03-9.46861083E+01-1.58550772E+00 9.19236301E-02-6.27828924E-05 3  
 2.24798094E-08-3.34342869E-12 1.04519347E+04 4.23931463E+01 4  
 Fc9e1oD 1/24/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1378.000 71  
 2.80786506E+01 3.38449165E-02-1.14167703E-05 1.75809251E-09-1.01486378E-13 2  
 -1.60033804E+04-1.10948150E+02 3.35281538E-02 9.47198147E-02-6.01232464E-05 3  
 1.87407510E-08-2.26194974E-12-5.83348355E+03 4.12661553E+01 4  
 c7ele6oD 1/24/ 8 THERMc 7h 10o 1 OG 300.000 5000.000 1390.000 41  
 2.02765709E+01 2.51689830E-02-8.67111492E-06 1.35284796E-09-7.87611987E-14 2  
 -1.56746985E+04-7.62117137E+01-1.11849085E-01 7.08530913E-02-4.74723400E-05 3  
 1.62768351E-08-2.28197846E-12-8.37422681E+03 3.40196090E+01 4  
 ch2cco 1/25/ 8 c 3h 2o 1 OG 300.000 5000.000 1000.000 71  
 0.57251687E+01 0.31237348E-02-0.45585432E-06 0.38137455E-10-0.14920125E-14 2  
 0.18034854E+05-0.18417238E+02 0.11098851E+01 0.13675613E-01-0.78440899E-05 3  
 0.11181740E-08 0.36875770E-12 0.19492883E+05 0.61536775E+01 4  
 EtDc7e3oIrG 1/28/8 THERMc 9h 15o 1 OG 300.000 5000.000 1391.000 71  
 2.76012379E+01 3.54718492E-02-1.22170463E-05 1.90554124E-09-1.10911559E-13 2  
 -1.35918592E+04-1.08711239E+02-7.44186139E-01 1.01064341E-01-7.09400715E-05 3  
 2.62268737E-08-4.04564524E-12-3.60269285E+03 4.38815724E+01 4  
 Etall 1/28/8 THERGc 5h 8o 0 OG 300.000 5000.000 1390.000 51  
 0.11702852E+02 0.20550847E-01-0.68724235E-05 0.10855719E-08-0.66538097E-13 2  
 0.11624912E+05-0.35413887E+02 0.73222780E+00 0.45764759E-01-0.24473251E-04 3

0.33784284E-08 0.98663807E-12 0.15071673E+05 0.22927427E+02 4  
EpchqDqB 7/13/ 7 THERMc 9h 17o 4 OG 300.000 5000.000 1384.000 71  
4.02607980E+01 3.89797029E-02-1.37785563E-05 2.18709866E-09-1.28874164E-13 2  
-4.61416686E+04-1.84384590E+02-5.90662120E+00 1.44061492E-01-1.03978834E-04 3  
3.69779916E-08-5.23141347E-12-2.99087280E+04 6.44229870E+01 4  
Fc6ele4 2/ 4/ 8 THERMc 6h 9 0 OG 300.000 5000.000 1394.000 21  
1.67439542E+01 2.08334700E-02-7.05919031E-06 1.08936701E-09-6.29467680E-14 2  
1.87721893E+04-6.11929892E+01-2.33620203E+00 6.88257414E-02-5.42897299E-05 3  
2.25998592E-08-3.85248194E-12 2.50697246E+04 4.00893014E+01 4  
mchelqDqF 2/ 8/ 8 THERMc 7h 12o 4 OG 300.000 5000.000 1392.000 41  
3.17548129E+01 2.88763031E-02-1.01132724E-05 1.59535811E-09-9.35981827E-14 2  
-4.31849717E+04-1.40804525E+02-2.82144427E+00 1.16216642E-01-9.65201526E-05 3  
4.11798587E-08-7.10979883E-12-3.18082068E+04 4.26077784E+01 4  
mchelqDojF 2/ 8/ 8 THERMc 7h 11o 3 OG 300.000 5000.000 1395.000 21  
2.77021460E+01 2.77867768E-02-9.67209488E-06 1.51950452E-09-8.88929156E-14 2  
-2.32219341E+04-1.20300131E+02-3.92278807E+00 1.07986982E-01-8.92517974E-05 3  
3.80282146E-08-6.55849368E-12-1.28582646E+04 4.73260219E+01 4  
MeEc8e9oAqC 2/8/ 8 THERMc 9h 16o 3 OG 300.000 5000.000 1390.000 91  
3.44456417E+01 3.69080881E-02-1.28142087E-05 2.00943763E-09-1.17396162E-13 2  
-5.24008742E+04-1.43307238E+02 1.34557580E+00 1.17333862E-01-8.99246125E-05 3  
3.66602642E-08-6.21588889E-12-4.10664787E+04 3.36123676E+01 4  
MeEc6e5oAqCrG 2/8 THERMc 7h 11o 3 OG 300.000 5000.000 1389.000 61  
2.82630872E+01 2.56638300E-02-8.94931881E-06 1.40751304E-09-8.24002622E-14 2  
-2.59803253E+04-1.13679125E+02 2.77611636E+00 8.95184220E-02-7.24254673E-05 3  
3.09808202E-08-5.45358326E-12-1.74411905E+04 2.18732962E+01 4  
Dc4oAqC 2/ 8/ 8 THERMc 4h 7o 3 OG 300.000 5000.000 1385.000 51  
1.92347354E+01 1.59149470E-02-5.58395531E-06 8.81839486E-10-5.17738216E-14 2  
-2.11118288E+04-6.67011744E+01 3.55763032E+00 5.38877857E-02-4.20344198E-05 3  
1.73645702E-08-2.98294670E-12-1.57142662E+04 1.71657716E+01 4  
MeCc6e7oAqErF 2/ 8 THERMc 7h 11o 3 OG 300.000 5000.000 1391.000 71  
2.82739987E+01 2.52931815E-02-8.83689657E-06 1.39168712E-09-8.15521206E-14 2  
-1.88873645E+04-1.10996575E+02 7.89561691E-01 9.40642718E-02-7.65279418E-05 3  
3.24007637E-08-5.60013013E-12-9.73510471E+03 3.51017431E+01 4  
MeCc6e5e7oA 2/8/ 8 THERMc 7h 10o 1 OG 300.000 5000.000 1392.000 41  
2.07404502E+01 2.48280427E-02-8.56379448E-06 1.33705185E-09-7.78764769E-14 2  
-1.29729969E+04-7.79329132E+01-1.12142149E+00 7.83311177E-02-6.00527258E-05 3  
2.44557155E-08-4.12706828E-12-5.55181627E+03 3.87372969E+01 4  
MeCc6e5e7oyA 2/8/8 THERMc 7h 9o 1 OG 300.000 5000.000 1392.000 41  
2.03296987E+01 2.26873875E-02-7.83828779E-06 1.22514690E-09-7.14147706E-14 2  
5.98703795E+03-7.40579067E+01-3.46568834E-01 7.35262059E-02-5.69864442E-05 3  
2.33766253E-08-3.96181820E-12 1.29763984E+04 3.61916678E+01 4  
MeBc5ele4rF 2/8/ 8 THERMc 6h 9 0 OG 300.000 5000.000 1395.000 21  
1.71334891E+01 2.06071079E-02-7.00134534E-06 1.08222390E-09-6.26003462E-14 2  
1.84353813E+04-6.37416111E+01-2.08589620E+00 7.02893415E-02-5.75392781E-05 3  
2.48984149E-08-4.39146617E-12 2.46625677E+04 3.78336077E+01 4  
MeEc8e9oAojC 2/8/8 THERMc 9h 15o 2 OG 300.000 5000.000 1392.000 71  
3.04339220E+01 3.53997343E-02-1.21454360E-05 1.88954803E-09-1.09787103E-13 2  
-3.23621855E+04-1.23498317E+02 3.49703702E-01 1.08774790E-01-8.23796570E-05 3  
3.32142720E-08-5.55758388E-12-2.21352542E+04 3.71234709E+01 4  
MeCc6e7oA 2/ 8/ 8 THERMc 7h 12o 1 OG 300.000 5000.000 1391.000 51  
2.19825556E+01 2.83616887E-02-9.76489749E-06 1.52271848E-09-8.86150067E-14 2  
-2.91154492E+04-8.46727882E+01-6.55203325E-01 8.08743044E-02-5.69368920E-05 3  
2.11394671E-08-3.27585807E-12-2.11498423E+04 3.71494444E+01 4  
Ic9e3qFqH 2/ 8/ 8 THERMc 9h 17o 4 OG 300.000 5000.000 1391.000 41  
3.99214291E+01 3.68244931E-02-1.28602770E-05 2.02474891E-09-1.18626355E-13 2  
-3.24333397E+04-1.68345825E+02 3.42843490E-02 1.36493128E-01-1.10762783E-04 3  
4.67632960E-08-8.06047111E-12-1.91426513E+04 4.37206262E+01 4  
c9ele6qD 2/ 8/ 8 THERMc 9h 16o 2 OG 300.000 5000.000 1393.000 81  
3.20717501E+01 3.66544334E-02-1.26939295E-05 1.98722168E-09-1.15962536E-13 2  
-2.65588469E+04-1.33509904E+02-2.17161393E+00 1.21602639E-01-9.57508306E-05 3  
3.98785213E-08-6.84665319E-12-1.50489142E+04 4.88313637E+01 4

c9ele6ojD 2/ 8/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1397.000 61  
2.81669785E+01 3.48173355E-02-1.18617240E-05 1.83681271E-09-1.06380018E-13 2  
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3.45374583E-08-5.72722626E-12 3.82926634E+03 5.06688957E+01 4  
c6e3oA 2/ 8/ 8 THERMc 6h 10o 1 OG 300.000 5000.000 1390.000 41  
1.83335573E+01 2.42384336E-02-8.34179624E-06 1.30049092E-09-7.56713528E-14 2  
-2.46440352E+04-6.60228761E+01-7.43098070E-01 6.75191419E-02-4.59641521E-05 3  
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c6e3oyA 2/ 8/ 8 THERMc 6h 9o 1 OG 300.000 5000.000 1390.000 41  
1.79164768E+01 2.21089552E-02-7.62133514E-06 1.18949022E-09-6.92667918E-14 2  
-5.68199822E+03-6.21132884E+01 3.35169089E-02 6.27096053E-02-4.28992287E-05 3  
1.52253216E-08-2.23544811E-12 6.83088437E+02 3.44086825E+01 4  
BchxqAqC 4/24/ 6 thermc 6h 11o 4 Og 300.000 5000.000 1382.000 51  
2.98556800e+01 2.53932414e-02-9.01194962e-06 1.43437601e-09-8.46824672e-14 2  
-3.09326307e+04-1.30765809e+02-2.43293753e+00 9.54793112e-02-6.38371965e-05 3  
1.93409599e-08-2.03740537e-12-1.93630522e+04 4.42454223e+01 4  
c9e6oAqE 2/11/ 8 THERMc 9h 16o 3 OG 300.000 5000.000 1389.000 91  
3.41964681E+01 3.71946476E-02-1.29301638E-05 2.02936087E-09-1.18631325E-13 2  
-5.16114475E+04-1.41857565E+02 7.60301871E-01 1.17934161E-01-8.97968761E-05 3  
3.63384982E-08-6.12394622E-12-4.01089301E+04 3.70418259E+01 4  
c9e6oAojE 2/11/ 8 THERMc 9h 15o 2 OG 300.000 5000.000 1391.000 71  
3.03982059E+01 3.52741295E-02-1.20711464E-05 1.87500420E-09-1.08829605E-13 2  
-3.16313857E+04-1.23196554E+02-5.72070962E-01 1.10784593E-01-8.41208075E-05 3  
3.38317042E-08-5.62894773E-12-2.11252934E+04 4.21250221E+01 4  
MeEc8eloIqD 2/11/8 THERMc 9h 16o 3 OG 300.000 5000.000 1392.000 91  
3.50525277E+01 3.64205393E-02-1.26544528E-05 1.98555985E-09-1.16054472E-13 2  
-5.20774783E+04-1.47844706E+02-1.03435067E+00 1.23778611E-01-9.49916447E-05 3  
3.79135733E-08-6.21006099E-12-3.98058968E+04 4.49565518E+01 4  
MeEc8eloIojD 2/1/8 THERMc 9h 15o 2 OG 300.000 5000.000 1396.000 71  
3.05429627E+01 3.54905040E-02-1.22171910E-05 1.90495267E-09-1.10853982E-13 2  
-3.18293001E+04-1.25153892E+02-1.44054990E+00 1.12984184E-01-8.52233714E-05 3  
3.36863247E-08-5.47824979E-12-2.09692623E+04 4.56823456E+01 4  
pche5qH 1/15/ 8 THERMc 9h 16o 2 OG 300.000 5000.000 1394.000 41  
3.17222692E+01 3.87734455E-02-1.34543894E-05 2.10917309E-09-1.23200436E-13 2  
-3.74326664E+04-1.42120984E+02-8.27706804E+00 1.39580834E-01-1.13271717E-04 3  
4.79995609E-08-8.29788266E-12-2.42052763E+04 7.02105270E+01 4  
pche5ojH 1/15/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1397.000 31  
2.78749104E+01 3.70042021E-02-1.27623688E-05 1.99257651E-09-1.16062271E-13 2  
-1.74951660E+04-1.23268616E+02-7.51333064E+00 1.22847685E-01-9.33937153E-05 3  
3.68374971E-08-5.93823644E-12-5.52988360E+03 6.56498297E+01 4  
EtDc7eloIrC 2/12/8 THERMc 9h 15o 1 OG 300.000 5000.000 1388.000 61  
2.75668109E+01 3.55217676E-02-1.21497451E-05 1.88661300E-09-1.09480406E-13 2  
-2.14104864E+04-1.12685833E+02-2.61655541E-01 9.83674578E-02-6.62602007E-05 3  
2.31351250E-08-3.33570655E-12-1.14830984E+04 3.76174003E+01 4  
pche4qH 1/15/ 8 THERMc 9h 16o 2 OG 300.000 5000.000 1394.000 41  
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-3.80430168E+04-1.41199994E+02-7.28054551E+00 1.36269038E-01-1.09253323E-04 3  
4.58623629E-08-7.87796099E-12-2.50711164E+04 6.59635284E+01 4  
pche4ojH 1/15/ 8 THERMc 9h 15o 1 OG 300.000 5000.000 1396.000 31  
2.79361118E+01 3.69223384E-02-1.27274048E-05 1.98640912E-09-1.15674142E-13 2  
-1.81400180E+04-1.22870669E+02-6.99939283E+00 1.21762971E-01-9.26330006E-05 3  
3.66640093E-08-5.94079378E-12-6.32572772E+03 6.36166789E+01 4  
MeEc8e9oArD 2/12/8 THERMc 9h 15o 1 OG 300.000 5000.000 1384.000 61  
2.75849556E+01 3.53957567E-02-1.20840567E-05 1.87421714E-09-1.08677200E-13 2  
-2.21075201E+04-1.12164540E+02 1.27188746E+00 9.29581329E-02-5.94537112E-05 3  
1.94021852E-08-2.58499730E-12-1.25230140E+04 3.06343331E+01 4  
c9e6oAqD 2/12/ 8 THERMc 9h 16o 3 OG 300.000 5000.000 1389.000 91  
3.39312274E+01 3.73574775E-02-1.29722436E-05 2.03444078E-09-1.18866229E-13 2  
-5.20246429E+04-1.40078657E+02 1.17186763E+00 1.15525209E-01-8.62272980E-05 3  
3.41637904E-08-5.64903299E-12-4.06704009E+04 3.55163078E+01 4  
c9e6oAojD 2/12/ 8 THERMc 9h 15o 2 OG 300.000 5000.000 1391.000 71

3.00463394E+01 3.55992989E-02-1.21876557E-05 1.89352726E-09-1.09918187E-13 2  
-3.20175670E+04-1.20944051E+02-4.69762718E-03 1.07764218E-01-7.97751951E-05 3  
3.12787248E-08-5.09016175E-12-2.17121812E+04 3.98627947E+01 4  
BchxqAqD 4/24/ 6 thermc 6h 11o 4 0g 300.000 5000.000 1382.000 51  
2.98556800e+01 2.53932414e-02-9.01194962e-06 1.43437601e-09-8.46824672e-14 2  
-3.09326307e+04-1.30765809e+02-2.43293753e+00 9.54793112e-02-6.38371965e-05 3  
1.93409599e-08-2.03740537e-12-1.93630522e+04 4.42454223e+01 4  
chxelqD 4/25/ 6 thermc 6h 10o 2 0G 300.000 5000.000 1394.000 31  
2.22604918e+01 2.43459576e-02-8.48682527e-06 1.33468541e-09-7.81399843e-14 2  
-2.41127925e+04-9.45683359e+01-4.51101263e+00 8.81772584e-02-6.68071503e-05 3  
2.56310780e-08-3.96967992e-12-1.49920203e+04 4.86749738e+01 4  
chxelojD 4/25/ 6 thermc 6h 9o 1 0G 300.000 5000.000 1391.000 11  
1.86955890e+01 2.32054938e-02-8.10991067e-06 1.27749802e-09-7.48744708e-14 2  
-4.42427716e+03-7.82570813e+01-6.05241022e+00 8.25140684e-02-6.31121283e-05 3  
2.47789614e-08-3.96933048e-12 4.02750196e+03 5.41374764e+01 4  
ac3h4hco1 4/24/ 6 thermc 4h 5o 1 0g 300.000 5000.000 1385.000 21  
1.31411233e+01 1.20974544e-02-4.25024176e-06 6.71876889e-10-3.94756754e-14 2  
1.44875725e+04-4.25915316e+01 5.84137389e-01 4.10586368e-02-2.99210110e-05 3  
1.11323029e-08-1.69792013e-12 1.89033496e+04 2.50108321e+01 4  
pche6qI 1/15/ 8 THERMc 9h 16o 2 0G 300.000 5000.000 1394.000 41  
3.17222692E+01 3.87734455E-02-1.34543894E-05 2.10917309E-09-1.23200436E-13 2  
-3.74326664E+04-1.42120984E+02-8.27706804E+00 1.39580834E-01-1.13271717E-04 3  
4.79995609E-08-8.29788266E-12-2.42052763E+04 7.02105270E+01 4  
pche6ojI 1/15/ 8 THERMc 9h 15o 1 0G 300.000 5000.000 1397.000 31  
2.78749104E+01 3.70042021E-02-1.27623688E-05 1.99257651E-09-1.16062271E-13 2  
-1.74951660E+04-1.23268616E+02-7.51333064E+00 1.22847685E-01-9.33937153E-05 3  
3.68374971E-08-5.93823644E-12-5.52988360E+03 6.56498297E+01 4  
MeEc8eloIrC 2/14/8 THERMc 9h 15o 1 0G 300.000 5000.000 1393.000 61  
2.79406556E+01 3.56198001E-02-1.22715567E-05 1.91448590E-09-1.11452380E-13 2  
-2.01001727E+04-1.15788302E+02-1.64368748E+00 1.03307839E-01-7.13832451E-05 3  
2.54382977E-08-3.72018619E-12-9.65940122E+03 4.36430061E+01 4  
pche5qI 1/15/ 8 THERMc 9h 16o 2 0G 300.000 5000.000 1394.000 41  
3.17222692E+01 3.87734455E-02-1.34543894E-05 2.10917309E-09-1.23200436E-13 2  
-3.74326664E+04-1.42120984E+02-8.27706804E+00 1.39580834E-01-1.13271717E-04 3  
4.79995609E-08-8.29788266E-12-2.42052763E+04 7.02105270E+01 4  
pche5ojI 1/15/ 8 THERMc 9h 15o 1 0G 300.000 5000.000 1397.000 31  
2.78749104E+01 3.70042021E-02-1.27623688E-05 1.99257651E-09-1.16062271E-13 2  
-1.74951660E+04-1.23268616E+02-7.51333064E+00 1.22847685E-01-9.33937153E-05 3  
3.68374971E-08-5.93823644E-12-5.52988360E+03 6.56498297E+01 4  
Fc9e4oA 2/14/ 8 THERMc 9h 15o 1 0G 300.000 5000.000 1387.000 61  
2.76704536E+01 3.53404605E-02-1.20688667E-05 1.87225641E-09-1.08579858E-13 2  
-2.03728817E+04-1.12843505E+02-4.72703234E-01 9.90528915E-02-6.70533915E-05 3  
2.35068844E-08-3.39839047E-12-1.03572713E+04 3.90904759E+01 4  
c7e4e6oA 2/14/ 8 THERMc 7h 10o 1 0G 300.000 5000.000 1393.000 31  
2.06695205E+01 2.50617448E-02-8.58698052E-06 1.33454174E-09-7.74776234E-14 2  
-1.51598335E+04-7.86111329E+01-2.31380590E-01 7.90259549E-02-6.42176858E-05 3  
2.81936349E-08-5.10341683E-12-8.28925591E+03 3.20277574E+01 4  
c7e4e6oyA 2/14/ 8 THERMc 7h 9o 1 0G 300.000 5000.000 1393.000 31  
2.02470527E+01 2.29414229E-02-7.87065689E-06 1.22428606E-09-7.11203688E-14 2  
3.80360006E+03-7.46724821E+01 5.54023500E-01 7.41765690E-02-6.10995554E-05 3  
2.70944693E-08-4.93607343E-12 1.02373702E+04 2.94331392E+01 4  
Ec6h9-13 2/14/ 8 THERMc 6h 9 0 0G 300.000 5000.000 1398.000 11  
1.66858073E+01 2.11646577E-02-7.14022640E-06 1.09843296E-09-6.33257860E-14 2  
1.54794179E+04-6.32637113E+01-3.02895071E+00 7.28507900E-02-6.03341464E-05 3  
2.63647724E-08-4.67473029E-12 2.17768320E+04 4.06424531E+01 4  
Fc6h9-13 2/14/ 8 THERMc 6h 9 0 0G 300.000 5000.000 1398.000 21  
1.66526333E+01 2.07313239E-02-6.98155215E-06 1.07262447E-09-6.17783332E-14 2  
2.34571371E+04-5.94027644E+01-1.95074776E+00 6.99993459E-02-5.83590460E-05 3  
2.58219203E-08-4.63869054E-12 2.93664141E+04 3.84973850E+01 4  
AchxqBqD 4/24/ 6 thermc 6h 11o 4 0g 300.000 5000.000 1382.000 51  
2.98556800e+01 2.53932414e-02-9.01194962e-06 1.43437601e-09-8.46824672e-14 2

-3.09326307e+04-1.30765809e+02-2.43293753e+00	9.54793112e-02-6.38371965e-05	3
1.93409599e-08-2.03740537e-12-1.93630522e+04	4.42454223e+01	4
c9e6oAqC 2/12/ 8 THERMc 9h 16o 3 OG	300.000 5000.000 1389.000	91
3.39312274e+01 3.73574775E-02-1.29722436E-05	2.03444078E-09-1.18866229E-13	2
-5.20246429E+04-1.40078657E+02 1.17186763E+00	1.15525209E-01-8.62272980E-05	3
3.41637904E-08-5.64903299E-12-4.06704009E+04	3.55163078E+01	4
c9e6oAojC 2/12/ 8 THERMc 9h 15o 2 OG	300.000 5000.000 1391.000	71
3.00463394E+01 3.55992989E-02-1.21876557E-05	1.89352726E-09-1.09918187E-13	2
-3.20175670E+04-1.20944051E+02-4.69762718E-03	1.07764218E-01-7.97751951E-05	3
3.12787248E-08-5.09016175E-12-2.17121812E+04	3.98627947E+01	4
c7e4oA 7/ 9/ 7 THERMc 7h 12o 1 OG	300.000 5000.000 1384.000	51
2.18585143E+01 2.78362301E-02-9.45398739E-06	1.46144707E-09-8.45552745E-14	2
-2.93180218E+04-8.32802904E+01 2.82340042E-01	7.63232047E-02-5.08887532E-05	3
1.75724129E-08-2.50312989E-12-2.16009655E+04	3.33334273E+01	4
c6e2e5oA 2/14/ 8 THERMc 6h 8o 1 OG	300.000 5000.000 1394.000	31
1.83995952E+01 1.96332751E-02-6.77971304E-06	1.05936874E-09-6.17396006E-14	2
-1.24536624E+04-6.83802609E+01-1.49627654E+00	7.09429021E-02-5.90380815E-05	3
2.57966095E-08-4.58731337E-12-5.97359579E+03	3.68497260E+01	4
c6e2e5oyA 2/14/ 8 THERMc 6h 7o 1 OG	300.000 5000.000 1395.000	31
1.78431104E+01 1.75188059E-02-6.04039102E-06	9.42827312E-10-5.49044046E-14	2
3.68070565E+03-6.46282281E+01-2.88622657E-01	6.62227270E-02-5.79619899E-05	3
2.66055708E-08-4.92314842E-12 9.41627396E+03	3.06224622E+01	4
Dc6e5oAoC 2/14/ 8 THERMc 6h 7o 2 OG	300.000 5000.000 1393.000	31
2.02349508E+01 1.83345274E-02-6.39116571E-06	1.00506355E-09-5.88390878E-14	2
-1.49055865E+04-7.32371055E+01-8.32090796E-01	7.14015849E-02-5.86661793E-05	3
2.48257388E-08-4.25681473E-12-7.96504791E+03	3.85567398E+01	4
Fc6e3oAoE 2/14/ 8 THERMc 6h 7o 2 OG	300.000 5000.000 1391.000	31
2.03602595E+01 1.83062673E-02-6.39872038E-06	1.00804454E-09-5.90855319E-14	2
-1.88022042E+04-7.45885509E+01 1.36426217E-01	6.83827541E-02-5.49313391E-05	3
2.28341312E-08-3.87096366E-12-1.20341312E+04	3.30697382E+01	4
c9oAoF 2/20/ 8 THERMc 9h 16o 2 OG	300.000 5000.000 1377.000	81
3.07257186E+01 3.64979157E-02-1.23797807E-05	1.91316548E-09-1.10701061E-13	2
-6.57300880E+04-1.24878295E+02 3.04753704E+00	9.67210766E-02-6.19433968E-05	3
2.04510386E-08-2.80075101E-12-5.55750901E+04	2.55164190E+01	4
MeEc8oAoI 2/20/ 8 THERMc 9h 16o 2 OG	300.000 5000.000 1388.000	81
3.05031454E+01 3.75002503E-02-1.28808960E-05	2.00571460E-09-1.16613716E-13	2
-6.27530797E+04-1.24944508E+02 1.04511237E+00	1.03172160E-01-6.83653557E-05	3
2.32476645E-08-3.24281885E-12-5.21585216E+04	3.44634369E+01	4
MeEc8oyAoI 7/10/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1388.000	81
3.00858629E+01 3.53699988E-02-1.21599296E-05	1.89460796E-09-1.10201824E-13	2
-4.37905513E+04-1.21032952E+02 1.81649331E+00	9.83870943E-02-6.53376429E-05	3
2.21981687E-08-3.08506779E-12-3.36298681E+04	3.19331387E+01	4
MeEc8oAoyI 7/10/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1388.000	81
3.00858629E+01 3.53699988E-02-1.21599296E-05	1.89460796E-09-1.10201824E-13	2
-4.37905513E+04-1.21032952E+02 1.81649331E+00	9.83870943E-02-6.53376429E-05	3
2.21981687E-08-3.08506779E-12-3.36298681E+04	3.19331387E+01	4
EtDc7oAoI 2/20/ 8 THERMc 9h 16o 2 OG	300.000 5000.000 1377.000	81
3.14509179E+01 3.56793245E-02-1.20561535E-05	1.85862833E-09-1.07371282E-13	2
-6.32003015E+04-1.29952686E+02 2.29511928E+00	9.94534013E-02-6.40862892E-05	3
2.07133085E-08-2.67590544E-12-5.26355260E+04	2.81856074E+01	4
EtDc7oAoyI 7/10/ 7 THERMc 9h 15o 2 OG	300.000 5000.000 1380.000	81
3.06341149E+01 3.41524362E-02-1.15905222E-05	1.79145557E-09-1.03657334E-13	2
-4.40720325E+04-1.23777200E+02 3.09209923E+00	9.47400985E-02-6.15548325E-05	3
2.02194657E-08-2.68088540E-12-3.41143314E+04	2.55055299E+01	4
EtDc7oyAoI 7/10/7 THERMc 9h 15o 2 OG	300.000 5000.000 1380.000	81
3.06341149E+01 3.41524362E-02-1.15905222E-05	1.79145557E-09-1.03657334E-13	2
-4.40720325E+04-1.23777200E+02 3.09209923E+00	9.47400985E-02-6.15548325E-05	3
2.02194657E-08-2.68088540E-12-3.41143314E+04	2.55055299E+01	4
c9e8oD c 9h 16o 10 OG	300.00 5000.00 1000.00	1
0.55608106E+00 0.79293527E-01-0.31932374E-04	0.57395542E-08-0.38447069E-12	2
-0.28140414E+05 0.41014076E+02-0.39456356E+00	0.10183985E+00-0.65018299E-04	3

0.14762166E-07	0.19830264E-11	0.30163439E+05	0.37978130E+02	4
Hc8oD	2/20/ 8	THERMc	8h 15o 1 OG	300.000 5000.000 1383.000 71
2.54583317E+01	3.43402731E-02	-1.17414395E-05	1.82273018E-09	-1.05752320E-13 2
-2.66900665E+04	-9.87909552E+01	1.59052176E+00	8.71428219E-02	-5.67022155E-05 3
1.95736520E-08	-2.87151800E-12	-1.79703663E+04	3.06710448E+01	4
MeDc7oHrA	7/10/ 7	THERMc	8h 15o 1 OG	300.000 5000.000 1392.000 71
2.59445373E+01	3.42704623E-02	-1.17891508E-05	1.83733795E-09	-1.06882908E-13 2
-2.40066400E+04	-1.02867324E+02	-1.21420268E-01	9.19733791E-02	-6.00024986E-05 3
1.99922071E-08	-2.71775810E-12	-1.45915394E+04	3.83272533E+01	4
Ec8oA	7/ 6/ 7	THERMc	8h 15o 1 OG	300.000 5000.000 1371.000 71
2.62742875E+01	3.26514565E-02	-1.09654742E-05	1.68349940E-09	-9.69743404E-14 2
-2.44651589E+04	-1.03193889E+02	2.23082786E+00	8.06361592E-02	-4.36093752E-05 3
9.73004079E-09	-4.14221182E-13	-1.53574767E+04	2.87397750E+01	4
EtCc6oArH	7/10/ 7	THERMc	8h 15o 1 OG	300.000 5000.000 1387.000 71
2.60283360E+01	3.38008935E-02	-1.15432817E-05	1.79055184E-09	-1.03828677E-13 2
-2.41091809E+04	-1.03015456E+02	9.46388914E-01	8.94517478E-02	-5.83527990E-05 3
1.96538809E-08	-2.72995524E-12	-1.50482662E+04	3.28291994E+01	4
MeDc7oArH	7/10/ 7	THERMc	8h 15o 1 OG	300.000 5000.000 1387.000 71
2.60283360E+01	3.38008935E-02	-1.15432817E-05	1.79055184E-09	-1.03828677E-13 2
-2.41091809E+04	-1.03015456E+02	9.46388914E-01	8.94517478E-02	-5.83527990E-05 3
1.96538809E-08	-2.72995524E-12	-1.50482662E+04	3.28291994E+01	4
vinacrol	3/ 8/ 7	THERMc	5h 6o 1 OG	300.000 5000.000 1390.000 21
1.96694186E+01	9.47268019E-03	-3.43345392E-06	5.54119499E-10	-3.30290903E-14 2
-1.21198582E+04	-7.96616315E+01	-1.49467174E+00	6.32157577E-02	-5.57679330E-05 3
2.37098997E-08	-3.94697393E-12	-5.31850599E+03	3.22824837E+01	4
Mec8oor	7/9/ 7	THERMc	9h 15o 2 OG	300.000 5000.000 1386.000 81
2.97125065E+01	3.57065597E-02	-1.22803613E-05	1.91385849E-09	-1.11340978E-13 2
-4.14867894E+04	-1.17451902E+02	1.66225757E+00	9.95807618E-02	-6.85032768E-05 3
2.48591631E-08	-3.78775770E-12	-3.14699606E+04	3.39686628E+01	4
Mec8ooqj	9/4/ 8	THERGc	9h 15o 4 OG	300.000 5000.000 1000.000 81
-0.23168776E+01	0.91679782E-01	-0.36904705E-04	0.66328960E-08	-0.44437812E-12 2
-0.43966555E+05	0.68893707E+02	-0.14003134E+01	0.12522805E+00	-0.94845032E-04 3
0.29489923E-07	0.64414891E-13	-0.48159820E+05	0.50238003E+02	4
Mec8ooqr	9/4/ 8	THERGc	9h 15o 4 OG	300.000 5000.000 1000.000 81
-0.19560032E+01	0.91180608E-01	-0.36667461E-04	0.65853754E-08	-0.44094670E-12 2
-0.41358137E+05	0.68516571E+02	-0.13489743E+00	0.12440786E+00	-0.98816447E-04 3
0.35233459E-07	-0.20774292E-11	-0.45911262E+05	0.44643814E+02	4
Mec8ooqqj	9/4/ 8	THERGc	9h 15o 6 OG	300.000 5000.000 1000.000 81
0.86050135E+00	0.94729088E-01	-0.38137510E-04	0.68522601E-08	-0.45881723E-12 2
-0.56428559E+05	0.60026901E+02	-0.12999454E+01	0.14243157E+00	-0.11416527E-03 3
0.37487915E-07	-0.72585113E-12	-0.60382277E+05	0.55117004E+02	4
Mec8oooq	9/4/ 8	THERGc	9h 14o 5 OG	300.000 5000.000 1000.000 81
3.80978925E+01	3.38878447E-02	-1.18895339E-05	1.87770993E-09	-1.10248978E-13 2
-9.30538929E+04	-1.55143022E+02	1.31084640E+00	1.23409101E-01	-9.71869180E-05 3
3.97022795E-08	-6.65296289E-12	-8.05531482E+04	4.12992063E+01	4
c5oAoE	c	5h 8o 2 G	0300.00 5000.00 1000.00 1	
-0.24373136E+01	0.51202632E-01	-0.21667551E-04	0.40336059E-08	-0.27706578E-12 2
-0.37370984E+05	0.51938530E+02	0.23621762E+01	0.54721203E-01	-0.36765450E-04 3
0.97104857E-08	0.74680491E-12	-0.40521121E+05	0.20666948E+02	4
c5oyAoE	c	5h 7o 2 G	0300.00 5000.00 1000.00 1	
0.51536059E+00	0.41369535E-01	-0.15779357E-04	0.27307743E-08	-0.17814541E-12 2
-0.20339604E+05	0.38679955E+02	0.27169209E+01	0.53290054E-01	-0.44060904E-04 3
0.19720455E-07	-0.30373148E-11	-0.22749828E+05	0.20743933E+02	4
bmepral	c	4h 8o 10 OG	300.00 5000.00 1000.00 1	
0.10151960E+02	0.23504560E-01	-0.91125790E-05	0.16598370E-08	-0.11414680E-12 2
-0.30982760E+05	-0.24897940E+02	0.52899470E+01	0.11734300E-01	0.57115020E-04 3
-0.79192970E-07	0.31143350E-10	-0.28349770E+05	0.64807050E+01	4
bmelbu	c	5h 100 00 OG	300.00 5000.00 1000.00 1	
0.10937200E+02	0.27185350E-01	-0.99662410E-05	0.17682290E-08	-0.11985660E-12 2
-0.98058280E+04	-0.31743770E+02	0.12745540E+01	0.43041050E-01	-0.18687710E-05 3

-0.25785700e-07	0.13143540e-10	-0.65343850e+04	0.20967770e+02	4					
bme2bu	c	5h	100	00	0G	300.00	5000.00	1000.00	1
0.97319670e+01	0.28282620e-01	-0.10345010e-04	0.18318230e-08	-0.12399620e-12					2
-0.10264160e+05	-0.25249020e+02	0.20328180e+01	0.34178470e-01	0.16926160e-04					3
-0.42233620e-07	0.18473590e-10	-0.73064760e+04	0.18442470e+02						4
bddmlpe	c	7h	14o	00	0G	300.00	3000.00	1000.00	1
0.17509590e+02	0.34486190e-01	-0.11316090e-04	0.17623450e-08	-0.10689940e-12					2
-0.18526110e+05	-0.65233790e+02	-0.16766370e+01	0.80957880e-01	-0.47117420e-04					3
0.92824520e-08	0.87142420e-12	-0.12717640e+05	0.35977700e+02						4
bddm2pe	c	7h	140	00	0G	300.00	5000.00	1000.00	1
0.14836560e+02	0.38891260e-01	-0.14248940e-04	0.25286670e-08	-0.17147340e-12					2
-0.18940380e+05	-0.50818010e+02	-0.98176050e+00	0.71037990e-01	-0.20175950e-04					3
-0.22161750e-07	0.14117540e-10	-0.13904940e+05	0.33925750e+02						4
dddmlpe	c	7h	14o	00	0G	300.00	3000.00	1000.00	1
0.19716140e+02	0.30113840e-01	-0.92675500e-05	0.13780170e-08	-0.80915040e-13					2
-0.20157720e+05	-0.80672900e+02	-0.21737130e+01	0.79781460e-01	-0.44949610e-04					3
0.85210090e-08	0.66753800e-12	-0.13143090e+05	0.36142160e+02						4
dddm2pe	c	7h	140	00	0G	300.00	5000.00	1000.00	1
0.16257090e+02	0.38236060e-01	-0.14522610e-04	0.26230830e-08	-0.17964670e-12					2
-0.17383950e+05	-0.61581170e+02	-0.22077980e+01	0.75057240e-01	-0.18234300e-04					3
-0.30516100e-07	0.18314940e-10	-0.11506530e+05	0.37427180e+02						4
bddmpe2	c	7h	150	00	0G	300.00	5000.00	1000.00	1
0.16309240e+02	0.39905120e-01	-0.14618690e-04	0.25943000e-08	-0.17590180e-12					2
-0.10766490e+05	-0.55890620e+02	-0.13236110e+00	0.73926810e-01	-0.22675040e-04					3
-0.21039570e-07	0.13934230e-10	-0.55638350e+04	0.32040860e+02						4
bbdtmpe1	c	8h	170	00	0G	300.00	5000.00	1000.00	1
0.20911010e+02	0.43678940e-01	-0.16540700e-04	0.29850600e-08	-0.20441870e-12					2
-0.13048670e+05	-0.83243700e+02	-0.34957080e+01	0.10263880e+00	-0.53734120e-04					3
-0.60968670e-08	0.11517760e-10	-0.57980340e+04	0.45085500e+02						4
bddm3pe2	c	7h	130	00	0G	300.00	5000.00	1000.00	1
0.15030950e+02	0.36774070e-01	-0.13626750e-04	0.24287890e-08	-0.16502960e-12					2
-0.60348940e+04	-0.52631880e+02	0.40751940e+01	0.46120910e-01	0.22532960e-04					3
-0.57741870e-07	0.25454840e-10	-0.18870980e+04	0.92730470e+01						4
bmepryl	c	4h	7o	10	0G	300.00	5000.00	1000.00	1
0.40527920e+01	0.27875960e-01	-0.96009000e-05	0.15472700e-08	-0.96096580e-13					2
-0.10140100e+05	0.98522260e+01	-0.15898810e+01	0.51536370e-01	-0.40853490e-04					3
0.17683930e-07	-0.30057420e-11	-0.93623300e+04	0.36144840e+02						4
bme2b1	c	5h	90	00	0G	300.00	5000.00	1000.00	1
0.11081470e+02	0.24562060e-01	-0.89195490e-05	0.15769500e-08	-0.10672820e-12					2
0.67510090e+04	-0.33052090e+02	0.46992280e+00	0.48974820e-01	-0.21876810e-04					3
-0.52841100e-08	0.59103880e-11	0.99871140e+04	0.23098530e+02						4
cme2b1	c	5h	90	00	0G	300.00	5000.00	1000.00	1
0.10958480e+02	0.24627890e-01	-0.89067730e-05	0.15715180e-08	-0.10622250e-12					2
0.68037210e+04	-0.32528290e+02	0.62891630e+00	0.48140260e-01	-0.20775400e-04					3
-0.58691480e-08	0.60202500e-11	0.99681790e+04	0.22196320e+02						4
nec5h11	c	5h	110	00	0G	300.00	5000.00	1000.00	1
0.13641870e+02	0.27242350e-01	-0.10431190e-04	0.18926440e-08	-0.12999740e-12					2
-0.16578470e+04	-0.49349100e+02	-0.21047980e+01	0.64296010e-01	-0.31086860e-04					3
-0.77762360e-08	0.88875570e-11	0.30609290e+04	0.33667770e+02						4
dddmpe2	c	7h	150	00	0G	300.00	5000.00	1000.00	1
0.17675750e+02	0.38879810e-01	-0.14618620e-04	0.26282110e-08	-0.17957150e-12					2
-0.10976990e+05	-0.66005280e+02	-0.18460080e+01	0.82685160e-01	-0.34095980e-04					3
-0.15461190e-07	0.13103600e-10	-0.49997280e+04	0.37488590e+02						4
bbdtmpe3	c	8h	170	00	0G	300.00	5000.00	1000.00	1
0.20121340e+02	0.44393860e-01	-0.16650870e-04	0.29903070e-08	-0.20419360e-12					2
-0.15279840e+05	-0.78712150e+02	-0.28574670e+01	0.98399490e-01	-0.47300220e-04					3
-0.99414050e-08	0.12350040e-10	-0.83653100e+04	0.42510860e+02						4
dddm2pe1	c	7h	13o	00	0G	300.00	3000.00	1000.00	1
0.21298230e+02	0.25341790e-01	-0.70485730e-05	0.97790260e-09	-0.54937080e-13					2
-0.50120330e+04	-0.89060900e+02	-0.33426200e+01	0.86027340e-01	-0.60368850e-04					3
0.21235340e-07	-0.30397390e-11	0.25920670e+04	0.41120380e+02						4

bddtmpe2	c	8h	170	00	OG	300.00	5000.00	1000.00	1
0.20346140e+02	0.44311420e-01	-0.16669400e-04	0.29974010e-08	-0.20481060e-12					2
-0.16539970e+05	-0.79685470e+02	-0.15091900e+01	0.92175710e-01	-0.34775580e-04					3
-0.21238850e-07	0.16128660e-10	-0.97890160e+04	0.36469990e+02						4
bddtmpe1	c	8h	170	00	OG	300.00	5000.00	1000.00	1
0.20911050e+02	0.43678900e-01	-0.16540740e-04	0.29850780e-08	-0.20439780e-12					2
-0.13551910e+05	-0.83646540e+02	-0.34973340e+01	0.10265100e+00	-0.53765970e-04					3
-0.60620390e-08	0.11504220e-10	-0.63010960e+04	0.44689680e+02						4
bddmlpe3	c	7h	130	00	OG	300.00	5000.00	1000.00	1
0.16530140e+02	0.35083040e-01	-0.12873890e-04	0.22897510e-08	-0.15552850e-12					2
-0.32202370e+04	-0.59488400e+02	-0.29851360e+01	0.88874500e-01	-0.64136170e-04					3
0.18769960e-07	0.35035780e-12	0.22655250e+04	0.41538190e+02						4
bddm2pe3	c	7h	13o	00	OG	300.00	3000.00	1000.00	1
0.18201300e+02	0.30716410e-01	-0.93284530e-05	0.13728590e-08	-0.79983510e-13					2
0.88809840e+04	-0.66954060e+02	-0.13693530e+01	0.84053900e-01	-0.66125900e-04					3
0.31460980e-07	-0.71377340e-11	0.14604890e+05	0.35031520e+02						4
ddd2pe2	c	7h	13o	00	OG	300.00	3000.00	1000.00	1
0.20219290e+02	0.25323120e-01	-0.68809740e-05	0.93718270e-09	-0.51914210e-13					2
0.82498500e+04	-0.81165020e+02	-0.13731680e+01	0.75941230e-01	-0.48263900e-04					3
0.15191090e-07	-0.19360650e-11	0.15140920e+05	0.33783480e+02						4
dm2mylpe	c	7h	130	00	OG	300.00	5000.00	1000.00	1
0.16610540e+02	0.34975170e-01	-0.12786340e-04	0.22708020e-08	-0.15415640e-12					2
-0.41986050e+03	-0.60169250e+02	-0.36190570e+01	0.93028600e-01	-0.73145190e-04					3
0.27139350e-07	-0.24877000e-11	0.51522180e+04	0.43991740e+02						4
dddmlpe3	c	7h	130	00	OG	300.00	5000.00	1000.00	1
0.17785390e+02	0.34560070e-01	-0.13182020e-04	0.23877390e-08	-0.16385020e-12					2
-0.29401520e+04	-0.69454340e+02	-0.30424400e+01	0.86752710e-01	-0.50612260e-04					3
0.58563310e-09	0.77036780e-11	0.31451350e+04	0.39575530e+02						4
bddm2pe1	c	7h	13o	00	OG	300.00	3000.00	1000.00	1
0.18769140e+02	0.31545920e-01	-0.98765720e-05	0.14851380e-08	-0.87797920e-13					2
-0.48411460e+04	-0.71880680e+02	-0.16607960e+01	0.82436520e-01	-0.54045480e-04					3
0.17091320e-07	-0.19931760e-11	0.13459910e+04	0.35712450e+02						4
dddmlpe2	c	7h	13o	00	OG	300.00	3000.00	1000.00	1
0.20740200e+02	0.26245680e-01	-0.74053560e-05	0.10352940e-08	-0.58313900e-13					2
0.92118540e+04	-0.83729350e+02	-0.26282780e+01	0.85259010e-01	-0.59217170e-04					3
0.19251370e-07	-0.20958000e-11	0.16197750e+05	0.39024320e+02						4
oc7h14	c	7h	14o	10	OG	300.00	5000.00	1000.00	1
0.25000000e+01	0.00000000e+00	0.00000000e+00	0.00000000e+00	0.00000000e+00					2
-0.74540000e+03	0.43660000e+01	0.25000000e+01	0.00000000e+00	0.00000000e+00					3
0.00000000e+00	0.00000000e+00	-0.74540000e+03	0.43660000e+01						4
bme2pe4	c	6h	110	00	OG	300.00	5000.00	1000.00	1
0.13336770e+02	0.30356710e-01	-0.11190900e-04	0.19917310e-08	-0.13529090e-12					2
0.42955280e+03	-0.43127740e+02	0.13644400e+01	0.52697560e-01	-0.93923390e-05					3
-0.23485240e-07	0.13174620e-10	0.43392120e+04	0.21498940e+02						4
bddmlpe	c	7h	14o	00	OG	300.00	3000.00	1000.00	1
0.17509590e+02	0.34486190e-01	-0.11316090e-04	0.17623450e-08	-0.10689940e-12					2
-0.18526110e+05	-0.65233790e+02	-0.16766370e+01	0.80957880e-01	-0.47117420e-04					3
0.92824520e-08	0.87142420e-12	-0.12717640e+05	0.35977700e+02						4
c4h8o	c	4h	8o	10	OG	300.00	5000.00	1000.00	1
0.11236290E+02	0.22227950E-01	-0.85810350E-05	0.15630450E-08	-0.10758900E-12					2
-0.21367730E+05	-0.35455990E+02	-0.15911200E+01	0.50798940E-01	-0.20149310E-04					3
-0.12146500E-07	0.94266570E-11	-0.17449170E+05	0.32552090E+02						4
c3h5co	c	4h	5o	10	OG	300.000	5000.000	1397.000	1
9.36897209E+00	1.22997793E-02	-4.12628159E-06	6.32381255E-10	-3.63615838E-14					2
-6.17202097E+03	-2.23749809E+01	1.21848187E+00	2.93457259E-02	-1.67440015E-05					3
4.37355537E-09	-3.61335278E-13	-3.16882010E+03	2.20602429E+01						4
metacrol	c	4h	6o	10	OG	300.00	3000.00	1000.00	1
0.38156020E+01	0.37071840E-01	-0.17932810E-04	0.36718360E-08	-0.27030160E-12					2
-0.16725130E+05	0.65665210E+01	0.25438820E+00	0.42555410E-01	-0.19265040E-04					3
0.20434690E-08	0.61431930E-12	-0.15231460E+05	0.26670690E+02						4
c4h7o	c	4h	7o	1	OG	300.000	5000.000	1390.000	1



-0.13085730E+02	0.58325150E-01	-0.25254530E-04	0.47775550E-08	-0.33194150E-12	2						
0.11295830E+05	0.10417030E+03	-0.36958640E+01	0.64157820E-01	-0.57505160E-04	3						
0.23262420E-07	-0.18917710E-11	0.54305790E+04	0.43828400E+02		4						
ic8h18	c	8h	18o	00	0G	298.150	5000.000	1000.00	1		
0.19396317E+02	0.48813742E-01	-0.15579804E-04	0.21783064E-08	-0.10839138E-12	2						
-0.37133922E+05	-0.78853134E+02	0.42935711E+00	0.76576948E-01	0.84130588E-05	3						
-0.58660319E-07	0.27941371E-10	-0.30446438E+05	0.25673538E+02		4						
i2c8h16	c	8h	16o	00	0G	300.000	5000.000	1000.00	1		
0.21545710E+02	0.36051430E-01	-0.11269630E-04	0.16953140E-08	-0.10038990E-12	2						
-0.23287760E+05	-0.89197200E+02	-0.43880060E+01	0.97693000E-01	-0.57964900E-04	3						
0.11578220E-07	0.98797420E-12	-0.15298140E+05	0.48086220E+02		4						
ilc8h16	c	8h	16o	00	0G	300.000	5000.000	1000.00	1		
0.22560830E+02	0.36539260E-01	-0.11728560E-04	0.17981240E-08	-0.10788760E-12	2						
-0.24413260E+05	-0.94340900E+02	-0.42815920E+01	0.10405490E+00	-0.66413430E-04	3						
0.14796950E-07	0.88810260E-12	-0.16549240E+05	0.46324900E+02		4						
ic8h15	c	8h	15o	00	0G	200.000	5000.000	1000.00	1		
0.19260140E+02	0.41975087E-01	-0.16131085E-04	0.28206287E-08	-0.18473902E-12	2						
-0.79551900E+04	-0.76828269E+02	-0.47166007E+01	0.11481699E+00	-0.11127083E-03	3						
0.70481372E-07	-0.21570900E-10	-0.13241062E+04	0.46318118E+02		4						
pc7h15	2/ 4/95	c	7h	15	0	0G	300.000	5000.000	1390.00	61	
2.33667406e+01	3.07319555e-02	-1.03508107e-05	1.59137519e-09	-9.17310563e-14	2						
-1.37695377e+04	-9.96212012e+01	-2.19681831e+00	8.73134079e-02	-5.63690703e-05	3						
1.77635552e-08	-2.12899352e-12	-4.67937082e+03	3.86153466e+01		4						
bddmlpel	c	7h	13o	00	0G	300.00	3000.00	1000.00	1		
0.19148490E+02	0.28264910E-01	-0.81935110E-05	0.11670350E-08	-0.66525990E-13	2						
0.86318360E+04	-0.72511340E+02	-0.19243780E+01	0.83955740E-01	-0.62288250E-04	3						
0.24930360E-07	-0.43572580E-11	0.14808190E+05	0.37563030E+02		4						
hxol	Thergas	03/11/09	c	6h	14o	1	G	0300.00	5000.00	1000.00	1
0.21549862E+02	0.27047789E-01	-0.79487772E-05	0.11457996E-08	-0.65984199E-13	2						
-0.48628891E+05	-0.83267570E+02	0.81141561E+00	0.69669344E-01	-0.33577078E-04	3						
0.35433736E-08	0.12713889E-11	-0.41525320E+05	0.29047613E+02		4						
hxol1j	Thergas	03/11/09	c	6h	13o	1	G	0300.00	5000.00	1000.00	1
0.22482292E+02	0.22063365E-01	-0.56083791E-05	0.72612771E-09	-0.38781407E-13	2						
-0.27173000E+05	-0.85793098E+02	0.71222562E+00	0.74118391E-01	-0.54639553E-04	3						
0.25572145E-07	-0.61214796E-11	-0.20081686E+05	0.30288425E+02		4						
hxol2j	Thergas	03/11/09	c	6h	13o	1	G	0300.00	5000.00	1000.00	1
0.22697781E+02	0.21681644E-01	-0.54581446E-05	0.70162137E-09	-0.37287671E-13	2						
-0.25245844E+05	-0.86885750E+02	-0.37227985E+00	0.81834011E-01	-0.71817303E-04	3						
0.41214200E-07	-0.11262219E-10	-0.18015404E+05	0.34805832E+02		4						
hxol3j	Thergas	03/11/09	c	6h	13o	1	G	0300.00	5000.00	1000.00	1
0.22697781E+02	0.21681644E-01	-0.54581446E-05	0.70162137E-09	-0.37287671E-13	2						
-0.25245844E+05	-0.86885750E+02	-0.37227985E+00	0.81834011E-01	-0.71817303E-04	3						
0.41214200E-07	-0.11262219E-10	-0.18015404E+05	0.34805832E+02		4						
hxol4j	Thergas	03/11/09	c	6h	13o	1	G	0300.00	5000.00	1000.00	1
0.22697781E+02	0.21681644E-01	-0.54581446E-05	0.70162137E-09	-0.37287671E-13	2						
-0.25245844E+05	-0.86885750E+02	-0.37227985E+00	0.81834011E-01	-0.71817303E-04	3						
0.41214200E-07	-0.11262219E-10	-0.18015404E+05	0.34805832E+02		4						
hxol5j	Thergas	03/11/09	c	6h	13o	1	G	0300.00	5000.00	1000.00	1
0.22492071E+02	0.22073401E-01	-0.56212157E-05	0.72989143E-09	-0.39119343E-13	2						
-0.25209852E+05	-0.85840645E+02	0.71245289E+00	0.74159421E-01	-0.54550062E-04	3						
0.25326466E-07	-0.59960995E-11	-0.18121377E+05	0.30276426E+02		4						
hxol6j	Thergas	03/11/09	c	6h	13o	1	G	0300.00	5000.00	1000.00	1
0.23049522E+02	0.21657450E-01	-0.55017586E-05	0.71414652E-09	-0.38325117E-13	2						
-0.24313062E+05	-0.89126678E+02	-0.20873120E+00	0.79732887E-01	-0.64122985E-04	3						
0.32753871E-07	-0.82667146E-11	-0.16916375E+05	0.34148010E+02		4						
hxol2e	Thergas	03/11/09	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.10397997E+02	0.39846901E-01	-0.14274876E-04	0.23635549E-08	-0.14948219E-12	2						
-0.29250982E+05	-0.21542839E+02	-0.11827134E+01	0.73759466E-01	-0.45363660E-04	3						
0.10203822E-07	0.73838966E-12	-0.26401270E+05	0.37250317E+02		4						
hxol3e	Thergas	03/11/09	c	6h	12o	1	G	0300.00	5000.00	1000.00	1

0.15118786E+02	0.31917442E-01	-0.10543899E-04	0.16495968E-08	-0.10035839E-12	2						
-0.31849930E+05	-0.47401726E+02	-0.21422224E+00	0.68753004E-01	-0.37878108E-04	3						
0.60431566E-08	0.13189322E-11	-0.27205549E+05	0.33527149E+02		4						
hxol4e	Thergas	03/11/09	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.15188276E+02	0.31713743E-01	-0.10434519E-04	0.16269369E-08	-0.98697431E-13	2						
-0.31832893E+05	-0.47617470E+02	0.99415100E+00	0.64371176E-01	-0.33418662E-04	3						
0.48816853E-08	0.11490458E-11	-0.27369338E+05	0.27869856E+02		4						
hxol5e	Thergas	03/11/09	c	6h	12o	1	G	0300.00	5000.00	1000.00	1
0.15403831E+02	0.31689961E-01	-0.10476589E-04	0.16411094E-08	-0.99990064E-13	2						
-0.30472693E+05	-0.48384148E+02	-0.13616599E+00	0.70017464E-01	-0.40811883E-04	3						
0.85349283E-08	0.53936781E-12	-0.25836010E+05	0.33344719E+02		4						
hxol4e6j	Therg	03/11/09	c	6h	11o	1	G	0300.00	5000.00	1000.00	1
0.17124643E+02	0.26219647E-01	-0.77467594E-05	0.11183324E-08	-0.64325105E-13	2						
-0.16810605E+05	-0.57928169E+02	-0.40236548E+00	0.72200626E-01	-0.52643438E-04	3						
0.21396145E-07	-0.39044848E-11	-0.11609947E+05	0.33812244E+02		4						
hxol3e5j	Therg	03/11/09	c	6h	11o	1	G	0300.00	5000.00	1000.00	1
0.15830283E+02	0.27551135E-01	-0.82511406E-05	0.12043312E-08	-0.69882536E-13	2						
-0.16593891E+05	-0.51024460E+02	0.12293350E+01	0.59530564E-01	-0.26272312E-04	3						
-0.15932861E-08	0.33728491E-11	-0.11964743E+05	0.26938328E+02		4						
hxol2e4j	Therg	03/11/09	c	6h	11o	1	G	0300.00	5000.00	1000.00	1
0.11701837E+02	0.34147222E-01	-0.11164345E-04	0.17350765E-08	-0.10513692E-12	2						
-0.14150063E+05	-0.28424934E+02	-0.82163036E+00	0.72676592E-01	-0.53145395E-04	3						
0.21130846E-07	-0.35283337E-11	-0.11061903E+05	0.34935806E+02		4						
hxol5e1j	Therg	03/11/09	c	6h	11o	1	G	0300.00	5000.00	1000.00	1
0.16914904E+02	0.25496118E-01	-0.73425654E-05	0.10412980E-08	-0.59204079E-13	2						
-0.90876328E+04	-0.54155273E+02	0.15217836E-01	0.72741203E-01	-0.57761365E-04	3						
0.26488088E-07	-0.54207507E-11	-0.42936123E+04	0.33406052E+02		4						
hxol4e1j	Therg	03/11/09	c	6h	11o	1	G	0300.00	5000.00	1000.00	1
0.16579920E+02	0.25737891E-01	-0.74313880E-05	0.10582750E-08	-0.60470827E-13	2						
-0.10400832E+05	-0.52725304E+02	0.10205320E+01	0.67951180E-01	-0.52398522E-04	3						
0.24836664E-07	-0.55116124E-11	-0.58134136E+04	0.28462067E+02		4						
hxol3e1j	Therg	03/11/09	c	6h	11o	1	G	0300.00	5000.00	1000.00	1
0.16529938E+02	0.25897969E-01	-0.75105518E-05	0.10735526E-08	-0.61531950E-13	2						
-0.10423725E+05	-0.52612991E+02	-0.29845476E+00	0.73112123E-01	-0.58757189E-04	3						
0.27918370E-07	-0.60287361E-11	-0.56379604E+04	0.34586117E+02		4						
hxol2e1j	Therg	03/11/09	c	6h	11o	1	G	0300.00	5000.00	1000.00	1
0.11493970E+02	0.34609947E-01	-0.11377281E-04	0.17730502E-08	-0.10753859E-12	2						
-0.14626345E+05	-0.27120201E+02	0.48268950E+00	0.63008390E-01	-0.30343514E-04	3						
-0.63753286E-09	0.38757634E-11	-0.11686224E+05	0.29835403E+02		4						
pelol5j	Therg	03/11/09	c	5h	11o	1	G	0300.00	5000.00	1000.00	1
0.15371242E+02	0.24465831E-01	-0.70300807E-05	0.99485353E-09	-0.56452733E-13	2						
-0.18076738E+05	-0.48414993E+02	-0.11079471E+01	0.73276661E-01	-0.64255262E-04	3						
0.33888707E-07	-0.80548380E-11	-0.13551692E+05	0.36255951E+02		4						
pelol4j	Therg	03/11/09	c	5h	11o	1	G	0300.00	5000.00	1000.00	1
0.14756149E+02	0.24987673E-01	-0.72130706E-05	0.10253682E-08	-0.58430488E-13	2						
-0.18950959E+05	-0.44809120E+02	-0.27348325E+00	0.68296932E-01	-0.56090990E-04	3						
0.27851849E-07	-0.62716160E-11	-0.14747299E+05	0.32752747E+02		4						
pelol3j	Therg	03/11/09	c	5h	11o	1	G	0300.00	5000.00	1000.00	1
0.15013535E+02	0.24494518E-01	-0.69864946E-05	0.98264819E-09	-0.55483091E-13	2						
-0.19005680E+05	-0.46136955E+02	-0.13700784E+01	0.76053075E-01	-0.73552161E-04	3						
0.43931248E-07	-0.11604937E-10	-0.14640048E+05	0.37332481E+02		4						
pelol2j	Therg	03/11/09	c	5h	11o	1	G	0300.00	5000.00	1000.00	1
0.15013535E+02	0.24494518E-01	-0.69864946E-05	0.98264819E-09	-0.55483091E-13	2						
-0.19005680E+05	-0.46136955E+02	-0.13700784E+01	0.76053075E-01	-0.73552161E-04	3						
0.43931248E-07	-0.11604937E-10	-0.14640048E+05	0.37332481E+02		4						
pelol1j	Therg	03/11/09	c	5h	11o	1	G	0300.00	5000.00	1000.00	1
0.14729630E+02	0.25007633E-01	-0.72179041E-05	0.10257457E-08	-0.58428692E-13	2						
-0.20907445E+05	-0.44668419E+02	-0.27319008E+00	0.68258852E-01	-0.56202585E-04	3						
0.28132858E-07	-0.64135511E-11	-0.16707760E+05	0.32761597E+02		4						
blol			c	4h	10o	1	G	0300.00	5000.00	1000.00	1
0.91435995E+01	0.28595477E-01	-0.98282644E-05	0.15803877E-08	-0.97937724E-13	2						

-0.37849437E+05-0.18465485E+02 0.44218194E+00 0.48805356E-01-0.19473842E-04	3
-0.52574882E-08 0.48700098E-11-0.35321887E+05 0.27291992E+02	4
c4h9o c 4h 9o 1 G 0300.00 5000.00 1000.00	1
0.12659067E+02 0.20147424E-01-0.57643465E-05 0.81346246E-09-0.46084749E-13	2
-0.13337262E+05-0.39007462E+02-0.12030852E+01 0.55087917E-01-0.36066704E-04	3
0.10500250E-07-0.50728779E-12-0.91740264E+04 0.33845951E+02	4
blol4j Thergas 03/11/09 c 4h 9o 1 G 0300.00 5000.00 1000.00	1
0.12465141E+02 0.19980581E-01-0.56564277E-05 0.79303186E-09-0.44773508E-13	2
-0.14208223E+05-0.34560707E+02-0.10491301E+01 0.62428992E-01-0.59454713E-04	3
0.34418985E-07-0.87994334E-11-0.10640951E+05 0.34223316E+02	4
blol3j Thergas 03/11/09 c 4h 9o 1 G 0300.00 5000.00 1000.00	1
0.11918427E+02 0.20381136E-01-0.57684483E-05 0.80687518E-09-0.45390876E-13	2
-0.15110049E+05-0.31336449E+02-0.15175551E+00 0.57011314E-01-0.50234386E-04	3
0.27324253E-07-0.66406494E-11-0.11843269E+05 0.30453905E+02	4
blol2j Thergas 03/11/09 c 4h 9o 1 G 0300.00 5000.00 1000.00	1
0.12107384E+02 0.20010488E-01-0.56141239E-05 0.78110773E-09-0.43821886E-13	2
-0.15137590E+05-0.32283615E+02-0.11773223E+01 0.64278319E-01-0.66529508E-04	3
0.42248292E-07-0.11567832E-10-0.11743666E+05 0.34732357E+02	4
blol1j Thergas 03/11/09 c 4h 9o 1 G 0300.00 5000.00 1000.00	1
0.11845606E+02 0.20483272E-01-0.58214596E-05 0.81863988E-09-0.46324520E-13	2
-0.17048014E+05-0.30937805E+02-0.95986515E-01 0.56591619E-01-0.49437302E-04	3
0.26705953E-07-0.64668115E-11-0.13809711E+05 0.30227381E+02	4
c4h7oh c 4h 8o 1 G 0300.00 5000.00 1000.00	1
0.86316795E+01 0.24115048E-01-0.83295718E-05 0.13443313E-08-0.83534030E-13	2
-0.23077914E+05-0.16301521E+02 0.17386409E+01 0.36984906E-01-0.68029703E-05	3
-0.12864734E-07 0.66265257E-11-0.20918418E+05 0.20739588E+02	4
ch2ch2ch2oh Therg3/11/9 c 3h 7o 1 G 0300.00 5000.00 1000.00	1
0.12256207E+02 0.11406737E-01-0.27022422E-05 0.33292591E-09-0.17233253E-13	2
-0.11820730E+05-0.35756184E+02-0.26071241E-01 0.46428688E-01-0.46454734E-04	3
0.29897912E-07-0.85597475E-11-0.81480063E+04 0.28221712E+02	4
pelol4e Thergas 3/11/09 c 5h 10o 1 G 0300.00 5000.00 1000.00	1
0.12605708E+02 0.27008209E-01-0.89857531E-05 0.14118086E-08-0.86084013E-13	2
-0.26646781E+05-0.35123390E+02 0.74477755E-01 0.58121298E-01-0.33505457E-04	3
0.65780843E-08 0.66965108E-12-0.22941576E+05 0.30675026E+02	4
pelol2e4e Therg 3/11/09 c 5h 8o 1 G 0300.00 5000.00 1000.00	1
-0.13874816E+02 0.68558626E-01-0.31592517E-04 0.62470082E-08-0.44820067E-12	2
-0.35116621E+04 0.11053284E+03-0.26836379E+01 0.69683440E-01-0.56474775E-04	3
0.17366865E-07 0.81110970E-12-0.10002988E+05 0.40521790E+02	4
blol3e Thergas 03/11/09 c 4h 8o 1 G 0300.00 5000.00 1000.00	1
0.97080307E+01 0.22506746E-01-0.76025153E-05 0.12080829E-08-0.74279409E-13	2
-0.22781420E+05-0.21308998E+02 0.19657157E+00 0.46828806E-01-0.27622958E-04	3
0.60174132E-08 0.31409364E-12-0.20037518E+05 0.28381794E+02	4
blol2e4j Thergas 3/11/9 c 4h 7o 1 G 0300.00 5000.00 1000.00	1
0.16290464E+02 0.99948719E-02-0.21964568E-05 0.25396948E-09-0.12488158E-13	2
-0.10474885E+05-0.59064968E+02-0.18572253E+00 0.48897315E-01-0.37177921E-04	3
0.16389675E-07-0.35925171E-11-0.51073525E+04 0.28853228E+02	4
bljol3e Thergas 03/13/9 c 4h 7o 1 G 0300.00 5000.00 1000.00	1
0.11132282E+02 0.16474331E-01-0.45657389E-05 0.63047878E-09-0.35235293E-13	2
-0.13628945E+04-0.26611565E+02 0.26266938E+00 0.50136890E-01-0.45958703E-04	3
0.25338164E-07-0.61249209E-11 0.15141096E+04 0.28793510E+02	4
bl*o4ol Thergas 3/11/09 c 4h 8o 2 G 0300.00 5000.00 1000.00	1
0.32700994E+01 0.36725547E-01-0.14271147E-04 0.25013616E-08-0.16459536E-12	2
-0.45134094E+05 0.19099010E+02 0.15129855E+01 0.50086584E-01-0.31996788E-04	3
0.77743394E-08 0.64543862E-12-0.45629203E+05 0.24778343E+02	4
blj*o4ol Thergas 3/11/9 c 4h 7o 2 G 0300.00 5000.00 1000.00	1
0.54534001E+01 0.28740194E-01-0.97750453E-05 0.15613870E-08-0.96375246E-13	2
-0.27877859E+05 0.91925850E+01 0.19317925E+01 0.48214782E-01-0.38243015E-04	3
0.16745849E-07-0.27739965E-11-0.27864812E+05 0.23886303E+02	4
c2h3ch2oh Thergas3/11/9 c 3h 6o 1 G 0300.00 5000.00 1000.00	1
0.84750433E+01 0.15536899E-01-0.51111738E-05 0.79734375E-09-0.48414757E-13	2
-0.19826914E+05-0.17513844E+02 0.97864538E-01 0.36302853E-01-0.21221043E-04	3

0.38267034E-08	0.63475424E-12	-0.17356730E+05	0.26462063E+02	4	
c2h3choh	Thergas3/11/9	c 3h 5o 1	G 0300.00 5000.00 1000.00	1	
0.92208939E+01	0.11381267E-01	-0.30291433E-05	0.40577380E-09	-0.22190796E-13	2
-0.51175137E+04	-0.21420860E+02	0.99837661E+00	0.29836480E-01	-0.13742202E-04	3
-0.13872160E-08	0.22569932E-11	-0.25591716E+04	0.22307461E+02		4
hoc2h4hco	Thergas3/11/9	c 3h 6o 2	G 0300.00 5000.00 1000.00	1	
0.16128237E+01	0.30238857E-01	-0.11994322E-04	0.21329085E-08	-0.14179162E-12	2
-0.41774625E+05	0.25935989E+02	0.17826831E+01	0.37871331E-01	-0.24209052E-04	3
0.56852185E-08	0.68280418E-12	-0.42742141E+05	0.21847282E+02		4
hoc2h4co	Thergas3/11/9	c 3h 5o 2	G 0300.00 5000.00 1000.00	1	
0.38259876E+01	0.22178184E-01	-0.74392960E-05	0.11771862E-08	-0.72216823E-13	2
-0.24526432E+05	0.15867889E+02	0.21212866E+01	0.36554631E-01	-0.31785286E-04	3
0.15980717E-07	-0.32039842E-11	-0.24969154E+05	0.21288528E+02		4
c5h9hco-1	Thergas3/11/9	c 6h 10o 1	G 0300.00 5000.00 1000.00	1	
0.72028861E+01	0.40368307E-01	-0.15310066E-04	0.26394638E-08	-0.17175355E-12	2
-0.18916467E+05	-0.30190735E+01	0.89051771E+00	0.62941328E-01	-0.38590413E-04	3
0.86810692E-08	0.77071547E-12	-0.17829389E+05	0.27402893E+02		4
c5h9co-1	Thergas3/11/9	c 6h 9o 1	G 0300.00 5000.00 1000.00	1	
0.93050137E+01	0.32596160E-01	-0.10980964E-04	0.17424291E-08	-0.10707088E-12	2
-0.16398086E+04	-0.12503784E+02	0.11773859E+01	0.61985154E-01	-0.47036006E-04	3
0.19846773E-07	-0.34246675E-11	-0.50896812E+02	0.27073027E+02		4
c5h9hco-2	Thergas3/11/9	c 6h 10o 1	G 0300.00 5000.00 1000.00	1	
0.18041243E+02	0.22334302E-01	-0.68217723E-05	0.10099359E-08	-0.59180810E-13	2
-0.24727076E+05	-0.64257561E+02	0.25933149E+01	0.54156996E-01	-0.26255844E-04	3
0.32357192E-08	0.76497825E-12	-0.19433750E+05	0.19399313E+02		4
c5h9co-2	Thergas3/11/9	c 6h 9o 1	G 0300.00 5000.00 1000.00	1	
0.18720741E+02	0.17609492E-01	-0.45559932E-05	0.60145611E-09	-0.32762431E-13	2
-0.69783066E+04	-0.66084435E+02	0.29627173E+01	0.52617282E-01	-0.33274609E-04	3
0.12955472E-07	-0.29121970E-11	-0.16639211E+04	0.18721508E+02		4
c5h9hco-3	3/12/ 9 THERMc	6h 10o 1	OG 300.000 5000.000 1390.000	41	
1.83335573E+01	2.42384336E-02	-8.34179624E-06	1.30049092E-09	-7.56713528E-14	2
-2.46440352E+04	-6.60228761E+01	-7.43098070E-01	6.75191419E-02	-4.59641521E-05	3
1.62972308E-08	-2.39792598E-12	-1.78448055E+04	3.69629712E+01		4
c5h9co-3	3/12/ 9 THERMc	6h 9o 1	OG 300.000 5000.000 1390.000	41	
1.79164768E+01	2.21089552E-02	-7.62133514E-06	1.18949022E-09	-6.92667918E-14	2
-5.68199822E+03	-6.21132884E+01	3.35169089E-02	6.27096053E-02	-4.28992287E-05	3
1.52253216E-08	-2.23544811E-12	6.83088437E+02	3.44086825E+01		4
pc2h4oh	Thergas 03/11/9	c 2h 5o 1	G 0300.00 5000.00 1000.00	1	
0.88886824E+01	0.78479201E-02	-0.17513548E-05	0.20706463E-09	-0.10460966E-13	2
-0.74369263E+04	-0.19581196E+02	-0.25759500E+00	0.37653532E-01	-0.43723256E-04	3
0.30313863E-07	-0.87933515E-11	-0.49729438E+04	0.26939510E+02		4
Ec5h9-2	Thergas 03/11/9	c 5h 9o 0	G 0300.00 5000.00 1000.00	1	
0.14732062E+02	0.16907906E-01	-0.44439362E-05	0.58846739E-09	-0.31853091E-13	2
0.14033660E+05	-0.50276833E+02	-0.63068593E+00	0.58983412E-01	-0.53108502E-04	3
0.30802898E-07	-0.82889589E-11	0.18677992E+05	0.30094849E+02		4
hoch2hco	Thergas 3/12/9	c 2h 4o 2	G 0300.00 5000.00 1000.00	1	
0.69808908E+01	0.12018369E-01	-0.39691918E-05	0.62074579E-09	-0.37748216E-13	2
-0.40600430E+05	-0.67540932E+01	0.31326690E+01	0.21118322E-01	-0.10699493E-04	3
0.18237936E-08	0.23164963E-12	-0.39413391E+05	0.13625314E+02		4
hoch2co	Thergas 03/12/9	c 2h 3o 2	G 0300.00 5000.00 1000.00	1	
0.76963177E+01	0.72258459E-02	-0.16582704E-05	0.19945856E-09	-0.10153849E-13	2
-0.22865857E+05	-0.87998276E+01	0.35328012E+01	0.19371565E-01	-0.17235248E-04	3
0.11074379E-07	-0.32834766E-11	-0.21646941E+05	0.12796853E+02		4
c4h5hco	3/12/ 9 THERMc	5h 6o 1	OG 300.000 5000.000 1401.000	01	
1.53488601E+01	1.54830378E-02	-5.26285597E-06	8.13473320E-10	-4.70448195E-14	2
-1.02765238E+04	-5.50256799E+01	-1.52615800E+00	6.47643668E-02	-6.18436511E-05	3
3.04045002E-08	-5.88284777E-12	-5.33658593E+03	3.22148883E+01		4
c4h5co	3/12/ 9 THERMc	5h 5o 1	OG 300.000 5000.000 1402.000	01	
1.48655287E+01	1.32808262E-02	-4.48801883E-06	6.90874722E-10	-3.98371953E-14	2
5.82650903E+03	-5.16972291E+01	-3.01693053E-01	5.98659148E-02	-6.02865512E-05	3
3.08047773E-08	-6.11041306E-12	1.00527023E+04	2.59270126E+01		4

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peljol4e Thergas 3/12/9 c 5h 9o 1 G 0300.00 5000.00 1000.00 1
0.14010012E+02 0.21007648E-01-0.59665599E-05 0.83889390E-09-0.47477555E-13 2
-0.53199082E+04-0.40305267E+02 0.26476195E-01 0.62217515E-01-0.53725791E-04 3
0.27771296E-07-0.64291055E-11-0.14783392E+04 0.31577261E+02 4
pelol3e5j Therga 3/12/9 c 5h 9o 1 G 0300.00 5000.00 1000.00 1
0.14229529E+02 0.21710645E-01-0.63574253E-05 0.91302454E-09-0.52390990E-13 2
-0.12946436E+05-0.44134422E+02-0.13339677E+00 0.59870299E-01-0.44248085E-04 3
0.18315852E-07-0.33655175E-11-0.87211973E+04 0.30894175E+02 4
peljol2e4e Therg 3/12/9 c 5h 7o 1 G 0300.00 5000.00 1000.00 1
-0.11709788E+02 0.60233414E-01-0.26089647E-04 0.49372506E-08-0.34314964E-12 2
0.10886288E+05 0.99551682E+02-0.10080047E+01 0.58838211E-01-0.41218689E-04 3
0.63007590E-08 0.40204593E-11 0.47115229E+04 0.33040699E+02 4
!Low T
hxollo2 Thergas 3/19/09 c 6h 13o 3 G 0300.00 5000.00 1000.00 1
0.40377087E+02 0.43189088E-02-0.32369840E-06 0.10490661E-10 0.13205987E-15 2
-0.52389164E+05-0.18438222E+03-0.64034426E+00 0.86837769E-01-0.53190346E-04 3
0.12741907E-07-0.13678343E-11-0.37918207E+05 0.38968811E+02 4
hxol2o2 Thergas 3/19/09 c 6h 13o 3 G 0300.00 5000.00 1000.00 1
0.42040768E+02 0.31667058E-02-0.21449976E-06 0.12211762E-10-0.54071894E-15 2
-0.51203500E+05-0.19235538E+03 0.20860715E+01 0.79097122E-01-0.44389239E-04 3
0.96198347E-08-0.14092456E-11-0.36609266E+05 0.26948479E+02 4
hxol3o2 Thergas 3/19/09 c 6h 13o 3 G 0300.00 5000.00 1000.00 1
0.42040768E+02 0.31667058E-02-0.21449976E-06 0.12211762E-10-0.54071894E-15 2
-0.51203594E+05-0.19235583E+03 0.21384163E+01 0.78737736E-01-0.43534565E-04 3
0.87745162E-08-0.11124983E-11-0.36614922E+05 0.26726061E+02 4
hxol4o2 Thergas 3/19/09 c 6h 13o 3 G 0300.00 5000.00 1000.00 1
0.42040768E+02 0.31667058E-02-0.21449976E-06 0.12211762E-10-0.54071894E-15 2
-0.51203500E+05-0.19235532E+03 0.20860715E+01 0.79097122E-01-0.44389239E-04 3
0.96198347E-08-0.14092456E-11-0.36609266E+05 0.26948555E+02 4
hxol5o2 Thergas 3/19/09 c 6h 13o 3 G 0300.00 5000.00 1000.00 1
0.42040768E+02 0.31667058E-02-0.21449976E-06 0.12211762E-10-0.54071894E-15 2
-0.51475195E+05-0.19235397E+03 0.20637615E+01 0.79252511E-01-0.44763201E-04 3
0.99932951E-08-0.15413744E-11-0.36878625E+05 0.27044125E+02 4
hxol6o2 Thergas 3/19/09 c 6h 13o 3 G 0300.00 5000.00 1000.00 1
0.20850794E+02 0.32383662E-01-0.96921058E-05 0.14157782E-08-0.82291412E-13 2
-0.39802949E+05-0.70803276E+02 0.42034429E+00 0.86995691E-01-0.58622158E-04 3
0.16782824E-07-0.71152112E-12-0.34084410E+05 0.35213230E+02 4
hxollo2h Thergas 3/19/9 c 6h 14o 3 G 0300.00 5000.00 1000.00 1
0.40971199E+02 0.55416101E-02-0.57162652E-06 0.34386289E-10-0.98130154E-15 2
-0.70321445E+05-0.18664987E+03 0.53943789E+00 0.83977379E-01-0.44896195E-04 3
0.54957443E-08 0.85465180E-12-0.55869180E+05 0.34334999E+02 4
hxol2o2h Thergas 3/19/9 c 6h 14o 3 G 0300.00 5000.00 1000.00 1
0.42749195E+02 0.41815196E-02-0.34956062E-06 0.16808350E-10-0.35320141E-15 2
-0.69179156E+05-0.19456068E+03 0.32391951E+01 0.76432317E-01-0.36588917E-04 3
0.28876461E-08 0.62495983E-12-0.54557543E+05 0.23120331E+02 4
hxol3o2h Thergas 3/19/9 c 6h 14o 3 G 0300.00 5000.00 1000.00 1
0.42749195E+02 0.41815196E-02-0.34956062E-06 0.16808350E-10-0.35320141E-15 2
-0.69179156E+05-0.19456068E+03 0.32391951E+01 0.76432317E-01-0.36588917E-04 3
0.28876461E-08 0.62495983E-12-0.54557543E+05 0.23120331E+02 4
hxol4o2h Thergas 3/19/9 c 6h 14o 3 G 0300.00 5000.00 1000.00 1
0.42749195E+02 0.41815196E-02-0.34956062E-06 0.16808350E-10-0.35320141E-15 2
-0.69179156E+05-0.19456068E+03 0.32391951E+01 0.76432317E-01-0.36588917E-04 3
0.28876461E-08 0.62495983E-12-0.54557543E+05 0.23120331E+02 4
hxol5o2h Thergas 3/19/9 c 6h 14o 3 G 0300.00 5000.00 1000.00 1
0.42706726E+02 0.42574424E-02-0.39419976E-06 0.27307321E-10-0.12105048E-14 2
-0.69433984E+05-0.19501727E+03 0.32200041E+01 0.76573946E-01-0.36946214E-04 3
0.32560312E-08 0.49217244E-12-0.54827363E+05 0.22507261E+02 4
hxol6o2h Thergas 3/19/9 c 6h 14o 3 G 0300.00 5000.00 1000.00 1
0.19790939E+02 0.36932029E-01-0.11984826E-04 0.18501379E-08-0.11145285E-12 2
-0.57159352E+05-0.64075897E+02 0.15237179E+01 0.84674992E-01-0.51645737E-04 3
0.10870327E-07 0.10335249E-11-0.52027352E+05 0.30904116E+02 4

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hxol1o	Thergas	03/19/9	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
		0.37551144E+02		0.46787024E-02		-0.42779283E-06		0.27691910E-10		-0.11117922E-14	2
		-0.50672633E+05		-0.17236607E+03		-0.19853777E+01		0.82333386E-01		-0.47971320E-04	3
		0.10505519E-07		-0.10552669E-11		-0.36524238E+05		0.43630539E+02			4
hxol2o	Thergas	03/19/9	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
		0.39291504E+02		0.33885709E-02		-0.23943582E-06		0.12315529E-10		-0.43267385E-15	2
		-0.49114312E+05		-0.18076505E+03		0.63593864E+00		0.75322196E-01		-0.40922576E-04	3
		0.91313810E-08		-0.17144349E-11		-0.34801480E+05		0.32054897E+02			4
hxol3o	Thergas	03/19/9	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
		0.39291504E+02		0.33885709E-02		-0.23943582E-06		0.12315529E-10		-0.43267385E-15	2
		-0.49114406E+05		-0.18076556E+03		0.68828356E+00		0.74962802E-01		-0.40067902E-04	3
		0.82860652E-08		-0.14176867E-11		-0.34807133E+05		0.31832438E+02			4
hxol4o	Thergas	03/19/9	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
		0.39291504E+02		0.33885709E-02		-0.23943582E-06		0.12315529E-10		-0.43267385E-15	2
		-0.49114312E+05		-0.18076494E+03		0.63593864E+00		0.75322196E-01		-0.40922576E-04	3
		0.91313810E-08		-0.17144349E-11		-0.34801480E+05		0.32054993E+02			4
hxol5o	Thergas	03/19/9	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
		0.39291504E+02		0.33885709E-02		-0.23943582E-06		0.12315529E-10		-0.43267385E-15	2
		-0.49386023E+05		-0.18076334E+03		0.61723459E+00		0.75459100E-01		-0.41267886E-04	3
		0.94905941E-08		-0.18459878E-11		-0.35071328E+05		0.32134689E+02			4
hxol6o	Thergas	03/19/9	c	6h	13o	2	G	0300.00	5000.00	1000.00	1
		0.17644072E+02		0.33509247E-01		-0.10263610E-04		0.15244941E-08		-0.89640426E-13	2
		-0.38608004E+05		-0.56716545E+02		-0.12793858E+01		0.84957093E-01		-0.59335172E-04	3
		0.20470329E-07		-0.24945005E-11		-0.33306770E+05		0.41375938E+02			4
hocho	FORMIC ACID	L 8/88h	2c	1o	2	0G		200.000	6000.000	1000.	1
		0.46138316E+01		0.64496364E-02		-0.22908251E-05		0.36716047E-09		-0.21873675E-13	2
		-0.47514850E+05		0.84788383E+00		0.38983616E+01		-0.35587795E-02		0.35520538E-04	3
		-0.43849959E-07		0.17107769E-10		-0.46770609E+05		0.73495397E+01		-0.45531246E+05	4
hoco	ATcT/Ac	1.o	2.h	1.	0.G			200.000	6000.000	1000.	1
		5.39206152E+00		4.11221455E-03		-1.48194900E-06		2.39875460E-10		-1.43903104E-14	2
		-2.38606717E+04		-2.23529091E+00		2.92207919E+00		7.62453859E-03		3.29884437E-06	3
		-1.07135205E-08		5.11587057E-12		-2.30281524E+04		1.12925886E+01		-2.18076591E+04	4
hcoo	formyloxyl	T05/06h	1.c	1.o	2.	0.G		200.000	6000.000	1000.	1
		4.14394211E+00		5.59738818E-03		-1.99794019E-06		3.16179193E-10		-1.85614483E-14	2
		-1.72459887E+04		5.07778617E+00		4.68825921E+00		-4.14871834E-03		2.55066010E-05	3
		-2.84473900E-08		1.04422559E-11		-1.69867041E+04		4.28426480E+00		-1.55992356E+04	4
hxol2j1o2h	Therga	3/19/9c	6h	13o	3	G		0300.00	5000.00	1000.00	1
		0.40276569E+02		0.37859734E-02		-0.22988029E-06		0.12959010E-11		0.61451923E-15	2
		-0.46257219E+05		-0.18031586E+03		-0.54315090E+00		0.95444962E-01		-0.81472826E-04	3
		0.41516682E-07		-0.11098558E-10		-0.32345025E+05		0.39555592E+02			4
hxol3j1o2h	Therga	3/19/9c	6h	13o	3	G		0300.00	5000.00	1000.00	1
		0.40276569E+02		0.37859734E-02		-0.22988029E-06		0.12959010E-11		0.61451923E-15	2
		-0.46257219E+05		-0.18031586E+03		-0.54315090E+00		0.95444962E-01		-0.81472826E-04	3
		0.41516682E-07		-0.11098558E-10		-0.32345025E+05		0.39555592E+02			4
hxol4j1o2h	Therga	3/19/9c	6h	13o	3	G		0300.00	5000.00	1000.00	1
		0.40276569E+02		0.37859734E-02		-0.22988029E-06		0.12959010E-11		0.61451923E-15	2
		-0.46257219E+05		-0.18031586E+03		-0.54315090E+00		0.95444962E-01		-0.81472826E-04	3
		0.41516682E-07		-0.11098558E-10		-0.32345025E+05		0.39555592E+02			4
hxol1j2o2h	Therga	3/19/9c	6h	13o	3	G		0300.00	5000.00	1000.00	1
		0.41880825E+02		0.27204677E-02		-0.95718889E-07		-0.90791047E-11		0.10953025E-14	2
		-0.47057016E+05		-0.18736108E+03		0.32569518E+01		0.80076613E-01		-0.55734312E-04	3
		0.23018169E-07		-0.61010567E-11		-0.33101402E+05		0.23756126E+02			4
hxol3j2o2h	Therga	3/19/9c	6h	13o	3	G		0300.00	5000.00	1000.00	1
		0.41862270E+02		0.27711783E-02		-0.19561054E-06		0.17300533E-10		-0.11102410E-14	2
		-0.45040809E+05		-0.18716089E+03		0.22694039E+01		0.87118752E-01		-0.71292860E-04	3
		0.37043428E-07		-0.10669627E-10		-0.31045475E+05		0.27863079E+02			4
hxol4j2o2h	Therga	3/19/9c	6h	13o	3	G		0300.00	5000.00	1000.00	1
		0.41862270E+02		0.27711783E-02		-0.19561054E-06		0.17300533E-10		-0.11102410E-14	2
		-0.45040809E+05		-0.18716089E+03		0.22694039E+01		0.87118752E-01		-0.71292860E-04	3
		0.37043428E-07		-0.10669627E-10		-0.31045475E+05		0.27863079E+02			4
hxol5j2o2h	Therga	3/19/9c	6h	13o	3	G		0300.00	5000.00	1000.00	1

0.41847206E+02	0.28088007E-02	-0.15436116E-06	0.50308572E-11	-0.66618718E-16	2					
-0.45076691E+05	-0.18716727E+03	0.32114878E+01	0.80426566E-01	-0.56367979E-04	3					
0.23477121E-07	-0.62196828E-11	-0.31136082E+05	0.23938759E+02		4					
hxol1j3o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41880825E+02	0.27204677E-02	-0.95718889E-07	-0.90791047E-11	0.10953025E-14	2					
-0.47057016E+05	-0.18736108E+03	0.32569518E+01	0.80076613E-01	-0.55734312E-04	3					
0.23018169E-07	-0.61010567E-11	-0.33101402E+05	0.23756126E+02		4					
hxol2j3o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41862270E+02	0.27711783E-02	-0.19561054E-06	0.17300533E-10	-0.11102410E-14	2					
-0.45040809E+05	-0.18716089E+03	0.22694039E+01	0.87118752E-01	-0.71292860E-04	3					
0.37043428E-07	-0.10669627E-10	-0.31045475E+05	0.27863079E+02		4					
hxol4j3o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41862270E+02	0.27711783E-02	-0.19561054E-06	0.17300533E-10	-0.11102410E-14	2					
-0.45040809E+05	-0.18716089E+03	0.22694039E+01	0.87118752E-01	-0.71292860E-04	3					
0.37043428E-07	-0.10669627E-10	-0.31045475E+05	0.27863079E+02		4					
hxol5j3o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41847206E+02	0.28088007E-02	-0.15436116E-06	0.50308572E-11	-0.66618718E-16	2					
-0.45076691E+05	-0.18716727E+03	0.32114878E+01	0.80426566E-01	-0.56367979E-04	3					
0.23477121E-07	-0.62196828E-11	-0.31136082E+05	0.23938759E+02		4					
hxol6j3o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.42309250E+02	0.25755123E-02	-0.13674567E-06	0.52917102E-11	-0.15752154E-15	2					
-0.44145871E+05	-0.18993155E+03	0.23811879E+01	0.85377008E-01	-0.64461383E-04	3					
0.29443028E-07	-0.79778181E-11	-0.29940916E+05	0.27424404E+02		4					
hxol1j4o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41880825E+02	0.27204677E-02	-0.95718889E-07	-0.90791047E-11	0.10953025E-14	2					
-0.47057016E+05	-0.18736108E+03	0.32569518E+01	0.80076613E-01	-0.55734312E-04	3					
0.23018169E-07	-0.61010567E-11	-0.33101402E+05	0.23756126E+02		4					
hxol2j4o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41862270E+02	0.27711783E-02	-0.19561054E-06	0.17300533E-10	-0.11102410E-14	2					
-0.45040809E+05	-0.18716089E+03	0.22694039E+01	0.87118752E-01	-0.71292860E-04	3					
0.37043428E-07	-0.10669627E-10	-0.31045475E+05	0.27863079E+02		4					
hxol3j4o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41862270E+02	0.27711783E-02	-0.19561054E-06	0.17300533E-10	-0.11102410E-14	2					
-0.45040809E+05	-0.18716089E+03	0.22694039E+01	0.87118752E-01	-0.71292860E-04	3					
0.37043428E-07	-0.10669627E-10	-0.31045475E+05	0.27863079E+02		4					
hxol5j4o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41847206E+02	0.28088007E-02	-0.15436116E-06	0.50308572E-11	-0.66618718E-16	2					
-0.45076691E+05	-0.18716727E+03	0.32114878E+01	0.80426566E-01	-0.56367979E-04	3					
0.23477121E-07	-0.62196828E-11	-0.31136082E+05	0.23938759E+02		4					
hxol6j4o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.42309250E+02	0.25755123E-02	-0.13674567E-06	0.52917102E-11	-0.15752154E-15	2					
-0.44145871E+05	-0.18993155E+03	0.23811879E+01	0.85377008E-01	-0.64461383E-04	3					
0.29443028E-07	-0.79778181E-11	-0.29940916E+05	0.27424404E+02		4					
hxol2j5o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41927013E+02	0.26569990E-02	-0.12892728E-06	0.15272589E-11	0.18684753E-15	2					
-0.45338422E+05	-0.18821448E+03	0.20572984E+01	0.88600107E-01	-0.74871503E-04	3					
0.40629356E-07	-0.11941517E-10	-0.31294684E+05	0.28066740E+02		4					
hxol3j5o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41927013E+02	0.26569990E-02	-0.12892728E-06	0.15272589E-11	0.18684753E-15	2					
-0.45338422E+05	-0.18821448E+03	0.20572984E+01	0.88600107E-01	-0.74871503E-04	3					
0.40629356E-07	-0.11941517E-10	-0.31294684E+05	0.28066740E+02		4					
hxol4j5o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.41927013E+02	0.26569990E-02	-0.12892728E-06	0.15272589E-11	0.18684753E-15	2					
-0.45338422E+05	-0.18821448E+03	0.20572984E+01	0.88600107E-01	-0.74871503E-04	3					
0.40629356E-07	-0.11941517E-10	-0.31294684E+05	0.28066740E+02		4					
hxol6j5o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.42321568E+02	0.25534653E-02	-0.12354823E-06	0.20439772E-11	0.11892102E-15	2					
-0.44774734E+05	-0.19069299E+03	0.23164306E+01	0.85832074E-01	-0.65564833E-04	3					
0.30549792E-07	-0.83698404E-11	-0.30558088E+05	0.27004660E+02		4					
hxol3j6o2h	Therga	3/19/9c	6h	13o	3	G	0300.00	5000.00	1000.00	1
0.21447872E+02	0.30484004E-01	-0.87785820E-05	0.12452502E-08	-0.70831450E-13	2					

-0.33919844E+05-0.69850899E+02 0.23317747E+00 0.97583592E-01-0.91679074E-04	3
0.50334975E-07-0.12135546E-10-0.28480934E+05 0.37698620E+02	4
hxol4j6o2h Therga 3/19/9c 6h 13o 3 G 0300.00 5000.00 1000.00	1
0.21447872E+02 0.30484004E-01-0.87785820E-05 0.12452502E-08-0.70831450E-13	2
-0.33919844E+05-0.69850899E+02 0.23317747E+00 0.97583592E-01-0.91679074E-04	3
0.50334975E-07-0.12135546E-10-0.28480934E+05 0.37698620E+02	4
hxol5j6o2h Therga 3/19/9c 6h 13o 3 G 0300.00 5000.00 1000.00	1
0.21447872E+02 0.30484004E-01-0.87785820E-05 0.12452502E-08-0.70831450E-13	2
-0.33919844E+05-0.69850899E+02 0.23317747E+00 0.97583592E-01-0.91679074E-04	3
0.50334975E-07-0.12135546E-10-0.28480934E+05 0.37698620E+02	4
hxolcy2o1 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
0.32305805E+02 0.10309517E-01-0.19488864E-05 0.20362931E-09-0.94954443E-14	2
-0.55431438E+05-0.14628180E+03-0.24116578E+01 0.82186557E-01-0.46908659E-04	3
0.67472157E-08 0.12431475E-11-0.43552328E+05 0.41646427E+02	4
hxolcy3o1 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
-0.39920601E+02 0.13707936E+00-0.67307890E-04 0.13932466E-07-0.10340232E-11	2
-0.29066539E+05 0.25219193E+03-0.73354735E+01 0.10156211E+00-0.77118253E-04	3
0.23417225E-07 0.15796003E-11-0.43516836E+05 0.63709278E+02	4
hxolcy4o1 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
0.14461571E+01 0.61970916E-01-0.25704858E-04 0.47172146E-08-0.32068047E-12	2
-0.53187605E+05 0.24052670E+02-0.46796465E+01 0.10051078E+00-0.75412347E-04	3
0.20308892E-07 0.12915156E-11-0.53982926E+05 0.47081829E+02	4
hxolcy3o2 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
0.21277317E+02 0.27808554E-01-0.88000752E-05 0.13337527E-08-0.79296629E-13	2
-0.48841406E+05-0.82120705E+02-0.82041919E+00 0.80983594E-01-0.49658243E-04	3
0.10157412E-07 0.86319287E-12-0.42106211E+05 0.34602257E+02	4
hxolcy4o2 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
0.13457664E+02 0.36125451E-01-0.12698253E-04 0.20762119E-08-0.13025334E-12	2
-0.27693887E+05-0.44348137E+02-0.48016610E+01 0.82411908E-01-0.50289353E-04	3
0.10739180E-07 0.74853643E-12-0.22388922E+05 0.51184555E+02	4
hxolcy5o2 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
-0.15739325E+02 0.94229773E-01-0.43550528E-04 0.86299492E-08-0.62014700E-12	2
-0.45077203E+05 0.12061170E+03-0.29847374E+01 0.98595783E-01-0.76474142E-04	3
0.22062531E-07 0.14864795E-11-0.52819727E+05 0.39597748E+02	4
hxolcy4o3 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
0.21277317E+02 0.27808554E-01-0.88000752E-05 0.13337527E-08-0.79296629E-13	2
-0.48841406E+05-0.82120705E+02-0.82041919E+00 0.80983594E-01-0.49658243E-04	3
0.10157412E-07 0.86319287E-12-0.42106211E+05 0.34602257E+02	4
hxolcy5o3 3/20/ 9 THERMc 6h 12o 2 OG 300.000 5000.000 1399.000	41
2.27001584E+01 2.81146257E-02-9.66575969E-06 1.50578511E-09-8.75697498E-14	2
-5.04209725E+04-9.32884451E+01-6.66644565E+00 1.05820988E-01-9.05820794E-05	3
4.04151858E-08-7.27020345E-12-4.10911040E+04 6.12680720E+01	4
hxolcy6o3 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
-0.11638434E+02 0.86147130E-01-0.38920109E-04 0.75884214E-08-0.53889711E-12	2
-0.44143375E+05 0.99197098E+02-0.26245136E+01 0.95162116E-01-0.71966009E-04	3
0.20778131E-07 0.10857318E-11-0.50271844E+05 0.39636368E+02	4
hxolcy5o4 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
0.21277317E+02 0.27808554E-01-0.88000752E-05 0.13337527E-08-0.79296629E-13	2
-0.49113145E+05-0.82120705E+02-0.82041919E+00 0.80983594E-01-0.49658243E-04	3
0.10157412E-07 0.86319287E-12-0.42377953E+05 0.34602257E+02	4
hxolcy6o4 3/20/ 9 THERMc 6h 12o 2 OG 300.000 5000.000 1401.000	41
2.18107457E+01 2.86478263E-02-9.80108443E-06 1.52189067E-09-8.83058776E-14	2
-4.79022274E+04-8.82837686E+01-4.73319176E+00 9.47700539E-02-7.38591192E-05	3
3.01010684E-08-5.00695030E-12-3.91054607E+04 5.27957542E+01	4
hxolcy6o5 Therga 3/19/9c 6h 12o 2 G 0300.00 5000.00 1000.00	1
0.24363197E+02 0.22544447E-01-0.64914593E-05 0.91932473E-09-0.52154309E-13	2
-0.47945922E+05-0.98377869E+02-0.28230664E+00 0.76319970E-01-0.42205153E-04	3
0.59423977E-08 0.14967600E-11-0.39849164E+05 0.33886982E+02	4
hxol1o2h2o2 Therga3/19/9c 6h 13o 5 G 0300.00 5000.00 1000.00	1
0.26704115E+02 0.30013746E-01-0.84379963E-05 0.11776083E-08-0.66305970E-13	2
-0.58065719E+05-0.96952400E+02-0.58393812E+00 0.10780547E+00-0.81915146E-04	3



0.25096661E-07-0.10196833E-11-0.50970234E+05	0.42758972E+02	4
hxol1o2h3o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.26704115E+02 0.30013746E-01-0.84379963E-05	0.11776083E-08-0.66305970E-13	2
-0.58065719E+05-0.96952240E+02-0.58393812E+00	0.10780547E+00-0.81915146E-04	3
0.25096661E-07-0.10196833E-11-0.50970234E+05	0.42759136E+02	4
hxol1o2h4o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.26704115E+02 0.30013746E-01-0.84379963E-05	0.11776083E-08-0.66305970E-13	2
-0.58065977E+05-0.96952431E+02-0.44184825E+00	0.10682300E+00-0.79562844E-04	3
0.22756133E-07-0.19382266E-12-0.50985488E+05	0.42157448E+02	4
hxol2o2h1o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.26704115E+02 0.30013746E-01-0.84379963E-05	0.11776083E-08-0.66305970E-13	2
-0.58065832E+05-0.96257744E+02-0.51650345E+00	0.10733779E+00-0.80791477E-04	3
0.23974913E-07-0.62270057E-12-0.50977453E+05	0.43168327E+02	4
hxol2o2h3o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13114470E+02 0.52839946E-01-0.18762084E-04	0.30878369E-08-0.19450899E-12	2
-0.50603707E+05-0.18935173E+02 0.94804019E+00	0.10701675E+00-0.85668435E-04	3
0.29517498E-07-0.17603198E-11-0.49517816E+05	0.35965488E+02	4
hxol2o2h4o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13114470E+02 0.52839946E-01-0.18762084E-04	0.30878369E-08-0.19450899E-12	2
-0.50603707E+05-0.18934692E+02 0.94804019E+00	0.10701675E+00-0.85668435E-04	3
0.29517498E-07-0.17603198E-11-0.49517816E+05	0.35965973E+02	4
hxol2o2h5o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13285737E+02 0.52558154E-01-0.18627334E-04	0.30615530E-08-0.19266907E-12	2
-0.50944707E+05-0.19894363E+02 0.11088034E+01	0.10592248E+00-0.83095125E-04	3
0.27007351E-07-0.89305597E-12-0.49807039E+05	0.35283653E+02	4
hxol3o2h1o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.26704115E+02 0.30013746E-01-0.84379963E-05	0.11776083E-08-0.66305970E-13	2
-0.58065832E+05-0.96257744E+02-0.51650345E+00	0.10733779E+00-0.80791477E-04	3
0.23974913E-07-0.62270057E-12-0.50977453E+05	0.43168327E+02	4
hxol3o2h2o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13114470E+02 0.52839946E-01-0.18762084E-04	0.30878369E-08-0.19450899E-12	2
-0.50603707E+05-0.18241707E+02 0.94804019E+00	0.10701675E+00-0.85668435E-04	3
0.29517498E-07-0.17603198E-11-0.49517816E+05	0.36658958E+02	4
hxol3o2h4o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13114470E+02 0.52839946E-01-0.18762084E-04	0.30878369E-08-0.19450899E-12	2
-0.50603707E+05-0.18934692E+02 0.94804019E+00	0.10701675E+00-0.85668435E-04	3
0.29517498E-07-0.17603198E-11-0.49517816E+05	0.35965973E+02	4
hxol3o2h5o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13285737E+02 0.52558154E-01-0.18627334E-04	0.30615530E-08-0.19266907E-12	2
-0.50944707E+05-0.19894363E+02 0.11088034E+01	0.10592248E+00-0.83095125E-04	3
0.27007351E-07-0.89305597E-12-0.49807039E+05	0.35283653E+02	4
hxol3o2h6o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.45932430E+02 0.39958684E-02-0.25026318E-06	0.11687609E-11 0.71888533E-15	2
-0.62385641E+05-0.20422137E+03 0.37775304E+01	0.89563765E-01-0.57169393E-04	3
0.15987991E-07-0.24792200E-11-0.47542363E+05	0.25157055E+02	4
hxol4o2h1o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.26704115E+02 0.30013746E-01-0.84379963E-05	0.11776083E-08-0.66305970E-13	2
-0.58065832E+05-0.96257744E+02-0.51650345E+00	0.10733779E+00-0.80791477E-04	3
0.23974913E-07-0.62270057E-12-0.50977453E+05	0.43168327E+02	4
hxol4o2h2o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13114470E+02 0.52839946E-01-0.18762084E-04	0.30878369E-08-0.19450899E-12	2
-0.50603707E+05-0.18241707E+02 0.94804019E+00	0.10701675E+00-0.85668435E-04	3
0.29517498E-07-0.17603198E-11-0.49517816E+05	0.36658958E+02	4
hxol4o2h3o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13114470E+02 0.52839946E-01-0.18762084E-04	0.30878369E-08-0.19450899E-12	2
-0.50603707E+05-0.18242134E+02 0.94804019E+00	0.10701675E+00-0.85668435E-04	3
0.29517498E-07-0.17603198E-11-0.49517816E+05	0.36658535E+02	4
hxol4o2h5o2 Therga3/19/9c 6h 13o 5 G	0300.00 5000.00 1000.00	1
0.13285737E+02 0.52558154E-01-0.18627334E-04	0.30615530E-08-0.19266907E-12	2
-0.50944707E+05-0.19894363E+02 0.11088034E+01	0.10592248E+00-0.83095125E-04	3
0.27007351E-07-0.89305597E-12-0.49807039E+05	0.35283653E+02	4

hxol4o2h6o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.45932430E+02	0.39958684E-02	-0.25026318E-06	0.11687609E-11	0.71888533E-15					2
-0.62385852E+05	-0.20491483E+03	0.39043479E+01	0.88685058E-01	-0.55061602E-04					3
0.13887572E-07	-0.17371434E-11	-0.47555945E+05	0.23927017E+02						4
hxol5o2h2o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.13285737E+02	0.52558154E-01	-0.18627334E-04	0.30615530E-08	-0.19266907E-12					2
-0.50944648E+05	-0.19895599E+02	0.10752649E+01	0.10614425E+00	-0.83602819E-04					3
0.27491804E-07	-0.10576712E-11	-0.49803289E+05	0.35425831E+02						4
hxol5o2h3o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.13285737E+02	0.52558154E-01	-0.18627334E-04	0.30615530E-08	-0.19266907E-12					2
-0.50944625E+05	-0.19895958E+02	0.10601964E+01	0.10624660E+00	-0.83844010E-04					3
0.27728559E-07	-0.11402706E-11	-0.49801645E+05	0.35489540E+02						4
hxol5o2h4o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.13285737E+02	0.52558154E-01	-0.18627334E-04	0.30615530E-08	-0.19266907E-12					2
-0.50944625E+05	-0.19896080E+02	0.10601964E+01	0.10624660E+00	-0.83844010E-04					3
0.27728559E-07	-0.11402706E-11	-0.49801645E+05	0.35489418E+02						4
hxol5o2h6o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.45924774E+02	0.40098997E-02	-0.25868917E-06	0.31813697E-11	0.55235214E-15					2
-0.62383250E+05	-0.20487308E+03	0.41174722E+01	0.87215565E-01	-0.51551160E-04					3
0.10400377E-07	-0.50795620E-12	-0.47578891E+05	0.23023500E+02						4
hxol6o2h3o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.45924774E+02	0.40098997E-02	-0.25868917E-06	0.31813697E-11	0.55235214E-15					2
-0.62383246E+05	-0.20418005E+03	0.41174722E+01	0.87215565E-01	-0.51551160E-04					3
0.10400377E-07	-0.50795620E-12	-0.47578887E+05	0.23716530E+02						4
hxol6o2h4o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.45924774E+02	0.40098997E-02	-0.25868917E-06	0.31813697E-11	0.55235214E-15					2
-0.62383246E+05	-0.20418018E+03	0.41174722E+01	0.87215565E-01	-0.51551160E-04					3
0.10400377E-07	-0.50795620E-12	-0.47578887E+05	0.23716406E+02						4
hxol6o2h5o2	Therga3/19/9c	6h	13o	5	G	0300.00	5000.00	1000.00	1
0.45932430E+02	0.39958684E-02	-0.25026318E-06	0.11687609E-11	0.71888533E-15					2
-0.62385883E+05	-0.20422157E+03	0.39194164E+01	0.88582702E-01	-0.54820412E-04					3
0.13650818E-07	-0.16545440E-11	-0.47557594E+05	0.24556210E+02						4
hxol1*o2o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1
0.25340055E+02	0.27953602E-01	-0.85495813E-05	0.12663828E-08	-0.74203888E-13					2
-0.83336625E+05	-0.94511154E+02	0.83949298E+00	0.90690732E-01	-0.59208054E-04					3
0.11873232E-07	0.17259729E-11	-0.76330219E+05	0.33339180E+02						4
hxol1*o3o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1
-0.60011911E+01	0.80209978E-01	-0.34337663E-04	0.64437717E-08	-0.44512289E-12					2
-0.71560219E+05	0.81090683E+02	0.38652489E+00	0.97089656E-01	-0.74306612E-04					3
0.21160380E-07	0.14035731E-11	-0.77113680E+05	0.34702991E+02						4
hxol1*o4o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1
-0.60011911E+01	0.80209978E-01	-0.34337663E-04	0.64437717E-08	-0.44512289E-12					2
-0.71560219E+05	0.81090683E+02	0.38652489E+00	0.97089656E-01	-0.74306612E-04					3
0.21160380E-07	0.14035731E-11	-0.77113680E+05	0.34702991E+02						4
hxol2*o1o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1
0.22114157E+02	0.30648803E-01	-0.94667448E-05	0.14131901E-08	-0.83306680E-13					2
-0.76760523E+05	-0.75056633E+02	0.60759884E+00	0.87976739E-01	-0.58359503E-04					3
0.13432119E-07	0.95682880E-12	-0.70833109E+05	0.36357502E+02						4
hxol2*o3o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1
0.52189879E+01	0.60182843E-01	-0.23789449E-04	0.42205563E-08	-0.28013434E-12					2
-0.65631086E+05	0.21392197E+02	0.16312675E+01	0.89750454E-01	-0.64963206E-04					3
0.18688981E-07	0.38025534E-12	-0.66851773E+05	0.32206650E+02						4
hxol2*o4o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1
0.16362799E+01	0.65739103E-01	-0.26535241E-04	0.47781055E-08	-0.32052169E-12					2
-0.64836141E+05	0.41895569E+02	0.30715120E+01	0.84989078E-01	-0.59390404E-04					3
0.14751680E-07	0.17942430E-11	-0.67860992E+05	0.25305735E+02						4
hxol2*o5o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1
0.16362799E+01	0.65739103E-01	-0.26535241E-04	0.47781055E-08	-0.32052169E-12					2
-0.65107883E+05	0.41202484E+02	0.30715120E+01	0.84989078E-01	-0.59390404E-04					3
0.14751680E-07	0.17942430E-11	-0.68132727E+05	0.24612652E+02						4
hxol3*o1o2h	Therga3/19/9c	6h	12o	4	G	0300.00	5000.00	1000.00	1

0.10641276E+02	0.49088471E-01	-0.17971841E-04	0.30223819E-08	-0.19328201E-12	2
-0.70871891E+05	-0.10271637E+02	0.11673772E+00	0.92668980E-01	-0.66955370E-04	3
0.17631367E-07	0.10872245E-11	-0.69718117E+05	0.38150768E+02		4
hxol3*o2o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.22560942E+01	0.73071048E-01	-0.30449772E-04	0.56066334E-08	-0.38207198E-12	2
-0.63325602E+05	0.63252163E+02	0.51000506E+00	0.94580062E-01	-0.71407238E-04	3
0.21205107E-07	0.59710684E-12	-0.67289172E+05	0.37670063E+02		4
hxol3*o4o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.23067946E+01	0.73158450E-01	-0.30494715E-04	0.56158966E-08	-0.38274511E-12	2
-0.63306336E+05	0.63533192E+02	0.79364818E+00	0.92600971E-01	-0.66624511E-04	3
0.16403700E-07	0.23054536E-11	-0.67319359E+05	0.36470482E+02		4
hxol3*o5o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.60096698E+01	0.79014391E-01	-0.33470555E-04	0.62349352E-08	-0.42845740E-12	2
-0.62749719E+05	0.83971703E+02	0.18148596E+01	0.90738356E-01	-0.67992820E-04	3
0.19370461E-07	0.12849256E-11	-0.68555367E+05	0.30652079E+02		4
hxol3*o6o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.16978621E+01	0.70926063E-01	-0.29112853E-04	0.53037117E-08	-0.35869840E-12	2
-0.61958410E+05	0.61208054E+02	0.22228823E+01	0.86972326E-01	-0.62686500E-04	3
0.17291423E-07	0.11642108E-11	-0.66012578E+05	0.30488441E+02		4
hxol4*o1o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.10641276E+02	0.49088471E-01	-0.17971841E-04	0.30223819E-08	-0.19328201E-12	2
-0.70871891E+05	-0.10271629E+02	0.11673772E+00	0.92668980E-01	-0.66955370E-04	3
0.17631367E-07	0.10872245E-11	-0.69718117E+05	0.38150772E+02		4
hxol4*o2o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.60096698E+01	0.79014391E-01	-0.33470555E-04	0.62349352E-08	-0.42845740E-12	2
-0.62477984E+05	0.84664787E+02	0.18148596E+01	0.90738356E-01	-0.67992820E-04	3
0.19370461E-07	0.12849256E-11	-0.68283633E+05	0.31345161E+02		4
hxol4*o3o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.22397280E+01	0.73039658E-01	-0.30426305E-04	0.56000040E-08	-0.38145759E-12	2
-0.63332523E+05	0.63160938E+02	0.48586988E+00	0.94735675E-01	-0.71753391E-04	3
0.21524984E-07	0.49220187E-12	-0.67286414E+05	0.37773964E+02		4
hxol4*o5o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.22560942E+01	0.73071048E-01	-0.30449772E-04	0.56066334E-08	-0.38207198E-12	2
-0.63325602E+05	0.62559086E+02	0.51000506E+00	0.94580062E-01	-0.71407238E-04	3
0.21205107E-07	0.59710684E-12	-0.67289172E+05	0.36976978E+02		4
hxol4*o6o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
-0.16978621E+01	0.70926063E-01	-0.29112853E-04	0.53037117E-08	-0.35869840E-12	2
-0.61958410E+05	0.61208054E+02	0.22228823E+01	0.86972326E-01	-0.62686500E-04	3
0.17291423E-07	0.11642108E-11	-0.66012578E+05	0.30488441E+02		4
hxol5*o2o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.72758780E+01	0.56251787E-01	-0.21740532E-04	0.37976333E-08	-0.24938011E-12	2
-0.67644531E+05	0.10327576E+02	0.22941432E+01	0.86125374E-01	-0.59585254E-04	3
0.15356791E-07	0.10898772E-11	-0.68142320E+05	0.29601089E+02		4
hxol5*o3o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.72758780E+01	0.56251787E-01	-0.21740532E-04	0.37976333E-08	-0.24938011E-12	2
-0.67644531E+05	0.10327576E+02	0.22941432E+01	0.86125374E-01	-0.59585254E-04	3
0.15356791E-07	0.10898772E-11	-0.68142320E+05	0.29601089E+02		4
hxol5*o4o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.42640331E+02	0.29981120E-02	-0.23070737E-06	0.15417955E-10	-0.75408019E-15	2
-0.81832516E+05	-0.19035440E+03	0.36533856E+01	0.74593060E-01	-0.35757683E-04	3
0.17233370E-08	0.12074506E-11	-0.67469336E+05	0.24255047E+02		4
hxol5*o6o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.57825603E+01	0.58104031E-01	-0.22545919E-04	0.39472310E-08	-0.25950474E-12	2
-0.64277824E+05	0.19283081E+02	0.32355437E+01	0.82910560E-01	-0.58121932E-04	3
0.16684162E-07	0.26118102E-12	-0.65563773E+05	0.25482908E+02		4
hxol6*o3o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.57222195E+01	0.59059616E-01	-0.23177750E-04	0.40916257E-08	-0.27064481E-12	2
-0.63333973E+05	0.19622452E+02	0.25037837E+01	0.87005228E-01	-0.61355058E-04	3
0.15963574E-07	0.12442500E-11	-0.64633543E+05	0.28661623E+02		4
hxol6*o4o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.58526511E+01	0.58840603E-01	-0.23070581E-04	0.40705661E-08	-0.26917842E-12	2

-0.63385477E+05	0.18893845E+02	0.24600959E+01	0.87316446E-01	-0.62128333E-04	3
0.16766167E-07	0.94816451E-12	-0.64628961E+05	0.28845613E+02		4
hxol6*o5o2h	Therga3/19/9c	6h 12o 4	G	0300.00 5000.00 1000.00	1
0.94713812E+01	0.53273901E-01	-0.20361385E-04	0.35277099E-08	-0.23026023E-12	2
-0.64202918E+05	-0.25287628E+01	0.13574568E+01	0.89746810E-01	-0.62132254E-04	3
0.15178617E-07	0.14770242E-11	-0.63656012E+05	0.33622314E+02		4
hxol2*o1j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.50445733E+01	0.48821330E-01	-0.17896331E-04	0.30115004E-08	-0.19262386E-12	2
-0.32700641E+05	0.13947197E+02	0.19057820E+01	0.72579697E-01	-0.53381591E-04	3
0.19433111E-07	-0.17710369E-11	-0.33402332E+05	0.24534199E+02		4
hxol3*o1j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
-0.19777069E+01	0.59442993E-01	-0.22957585E-04	0.40072541E-08	-0.26295706E-12	2
-0.30190818E+05	0.55989693E+02	0.50785387E+00	0.80474287E-01	-0.69947622E-04	3
0.32083033E-07	-0.49041791E-11	-0.33619379E+05	0.33085484E+02		4
hxol4*o1j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
-0.19841336E+01	0.59459966E-01	-0.22975830E-04	0.40132058E-08	-0.26354662E-12	2
-0.30187742E+05	0.56025478E+02	0.28849542E+00	0.81993192E-01	-0.73592368E-04	3
0.35720074E-07	-0.61918587E-11	-0.33595859E+05	0.34014881E+02		4
hxol3*o2j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
-0.20810699E+01	0.60724188E-01	-0.23789085E-04	0.41949111E-08	-0.27729002E-12	2
-0.31482992E+05	0.53852333E+02	-0.33087078E+00	0.85324995E-01	-0.77389326E-04	3
0.37864034E-07	-0.67499673E-11	-0.34789594E+05	0.34356827E+02		4
hxol4*o2j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
-0.16368914E+01	0.58790170E-01	-0.22627561E-04	0.39414978E-08	-0.25833974E-12	2
-0.28303225E+05	0.54226696E+02	-0.82242680E+00	0.89889355E-01	-0.91197646E-04	3
0.51783388E-07	-0.11479981E-10	-0.31526729E+05	0.38644547E+02		4
hxol5*o2j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.10578621E+02	0.38725026E-01	-0.12997522E-04	0.20579425E-08	-0.12631829E-12	2
-0.33177453E+05	-0.14539238E+02	-0.33040497E+00	0.85191235E-01	-0.82595943E-04	3
0.47589328E-07	-0.11616748E-10	-0.31386820E+05	0.36846130E+02		4
hxol2*o3j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.53883033E+01	0.48171554E-01	-0.17567883E-04	0.29453064E-08	-0.18788882E-12	2
-0.33835414E+05	0.11811493E+02	0.82973999E+00	0.80270194E-01	-0.70516973E-04	3
0.35034716E-07	-0.68964114E-11	-0.34357121E+05	0.28657505E+02		4
hxol4*o3j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
-0.19850037E+01	0.60557593E-01	-0.23698725E-04	0.41750310E-08	-0.27574842E-12	2
-0.31520891E+05	0.53268429E+02	-0.35995880E+00	0.85544512E-01	-0.77948098E-04	3
0.38449571E-07	-0.69662856E-11	-0.34786801E+05	0.34428566E+02		4
hxol5*o3j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.10578621E+02	0.38725026E-01	-0.12997522E-04	0.20579425E-08	-0.12631829E-12	2
-0.33177453E+05	-0.14539238E+02	-0.33040497E+00	0.85191235E-01	-0.82595943E-04	3
0.47589328E-07	-0.11616748E-10	-0.31386820E+05	0.36846130E+02		4
hxol6*o3j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.91820374E+01	0.41142806E-01	-0.14137502E-04	0.22759359E-08	-0.14131352E-12	2
-0.28910223E+05	-0.60640564E+01	-0.15562859E+00	0.86313874E-01	-0.84951876E-04	3
0.48783885E-07	-0.11671166E-10	-0.27874318E+05	0.36054192E+02		4
hxol2*o4j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.57368855E+01	0.46470851E-01	-0.16578173E-04	0.27349902E-08	-0.17244042E-12	2
-0.30629812E+05	0.12747116E+02	0.36181900E+00	0.84659591E-01	-0.83890111E-04	3
0.48507442E-07	-0.11464214E-10	-0.31096562E+05	0.32909447E+02		4
hxol3*o4j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
-0.20674188E+01	0.60699940E-01	-0.23774905E-04	0.41915706E-08	-0.27701677E-12	2
-0.31488453E+05	0.53748993E+02	-0.39127961E+00	0.85745454E-01	-0.78407975E-04	3
0.38889986E-07	-0.71160291E-11	-0.34783125E+05	0.34585270E+02		4
hxol5*o4j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.10425847E+02	0.40030450E-01	-0.13728059E-04	0.22052391E-08	-0.13662747E-12	2
-0.36453230E+05	-0.16522301E+02	0.19120739E+00	0.80422789E-01	-0.68312300E-04	3
0.33212714E-07	-0.67313178E-11	-0.34652945E+05	0.32388714E+02		4
hxol6*o4j	Thergas03/20/9c	6h 11o 2	G	0300.00 5000.00 1000.00	1
0.91820374E+01	0.41142806E-01	-0.14137502E-04	0.22759359E-08	-0.14131352E-12	2
-0.28910223E+05	-0.60640564E+01	-0.15562859E+00	0.86313874E-01	-0.84951876E-04	3

0.48783885E-07-0.11671166E-10-0.27874318E+05	0.36054192E+02	4
hxol2*o5j Thergas03/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
0.53412514E+01 0.47239114E-01-0.16981854E-04	0.28198166E-08-0.17875804E-12	2
-0.30525254E+05 0.14830078E+02 0.14828668E+01	0.76723717E-01-0.65973021E-04	3
0.31950968E-07-0.59552537E-11-0.31206268E+05	0.28227583E+02	4
hxol3*o5j Thergas03/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
-0.19533235E+01 0.59427585E-01-0.22955810E-04	0.40077301E-08-0.26303954E-12	2
-0.28233439E+05 0.55861027E+02 0.38304994E+00	0.81372783E-01-0.71896095E-04	3
0.33852459E-07-0.54861319E-11-0.31645545E+05	0.33604404E+02	4
hxol4*o5j Thergas03/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
-0.22876549E+01 0.61177045E-01-0.24026245E-04	0.42428212E-08-0.28067105E-12	2
-0.31458105E+05 0.55047642E+02 0.77228725E+00	0.77470168E-01-0.59651578E-04	3
0.21498311E-07-0.13159725E-11-0.34896309E+05	0.29936848E+02	4
hxol6*o5j Thergas03/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
0.90402603E+01 0.42439528E-01-0.14870201E-04	0.24240001E-08-0.15165408E-12	2
-0.32195504E+05-0.78849792E+01 0.25891316E+00	0.82142696E-01-0.71959912E-04	3
0.35623174E-07-0.72006520E-11-0.31125828E+05	0.32311958E+02	4
hxol3*o6j Thergas03/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
-0.13714999E+01 0.58966264E-01-0.22809572E-04	0.39861003E-08-0.26179834E-12	2
-0.27345809E+05 0.52440693E+02-0.58600754E+00	0.87279253E-01-0.82269376E-04	3
0.42077929E-07-0.80386383E-11-0.30435449E+05	0.37678551E+02	4
hxol4*o6j Thergas03/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
-0.13840135E+01 0.58993638E-01-0.22833681E-04	0.39933923E-08-0.26249472E-12	2
-0.27340891E+05 0.52508781E+02-0.41005436E+00	0.86067677E-01-0.79383295E-04	3
0.39222964E-07-0.70374782E-11-0.30454395E+05	0.36932228E+02	4
hxol5*o6j Thergas03/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
0.10664260E+02 0.40187787E-01-0.13878300E-04	0.22410811E-08-0.13939293E-12	2
-0.33591898E+05-0.17303047E+02-0.36595225E-01	0.79766326E-01-0.63009400E-04	3
0.26657785E-07-0.43205686E-11-0.31571219E+05	0.34509243E+02	4
c5h10cooh-1 Therga3/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
-0.18704327E+01 0.61482392E-01-0.24357241E-04	0.43283475E-08-0.28763572E-12	2
-0.40630375E+05 0.49167492E+02-0.19013747E+01	0.92675835E-01-0.86137021E-04	3
0.42117762E-07-0.75157302E-11-0.43604629E+05	0.38288235E+02	4
c5h10cooh-2 Therga3/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
-0.14848416E+01 0.59633460E-01-0.23228640E-04	0.40801069E-08-0.26898376E-12	2
-0.37425379E+05 0.49901493E+02-0.21200294E+01	0.95336512E-01-0.95348536E-04	3
0.51426269E-07-0.10606462E-10-0.40370797E+05	0.41448421E+02	4
c5h10cooh-3 Therga3/20/9c 6h 1lo 2 G	0300.00 5000.00 1000.00	1
-0.14848416E+01 0.59633460E-01-0.23228640E-04	0.40801069E-08-0.26898376E-12	2
-0.37425379E+05 0.49901493E+02-0.21200294E+01	0.95336512E-01-0.95348536E-04	3
0.51426269E-07-0.10606462E-10-0.40370797E+05	0.41448421E+02	4
ch2cooh Thergas 03/20/9c 2h 3o 2 G	0300.00 5000.00 1000.00	1
0.93029661E+01 0.69815558E-02-0.17180930E-05	0.21747887E-09-0.11452205E-13	2
-0.32848316E+05-0.23130653E+02 0.12598374E+00	0.34687348E-01-0.34489818E-04	3
0.18876753E-07-0.44256933E-11-0.30382291E+05	0.23825567E+02	4
ch2ch2cooh Thergas3/20/9c 3h 5o 2 G	0300.00 5000.00 1000.00	1
-0.63459964E+01 0.40684473E-01-0.16808332E-04	0.30763088E-08-0.20875162E-12	2
-0.26339281E+05 0.69442528E+02-0.12847569E+01	0.57524763E-01-0.66488785E-04	3
0.38840408E-07-0.82382261E-11-0.30595645E+05	0.32566666E+02	4
c2h3cooh Thergas 03/20/9c 3h 4o 2 G	0300.00 5000.00 1000.00	1
0.88741312E+01 0.13897711E-01-0.48470301E-05	0.78724954E-09-0.49112956E-13	2
-0.44327402E+05-0.18188774E+02 0.69044226E+00	0.35548516E-01-0.23280432E-04	3
0.54139253E-08 0.28110224E-12-0.42047363E+05	0.24283270E+02	4
hoch2coch2 Thergas3/20/9c 3h 5o 2 G	0300.00 5000.00 1000.00	1
0.11595228E+02 0.11442376E-01-0.29792718E-05	0.39280218E-09-0.21252143E-13	2
-0.25335428E+05-0.30319328E+02 0.18608906E+01	0.38478706E-01-0.33612501E-04	3
0.18263671E-07-0.45594973E-11-0.22468248E+05	0.20380983E+02	4
c2h3coch2oh 3/20/9 THERMc 4h 6o 2 OG	300.000 5000.000 1385.000	31
1.40328795E+01 1.58209258E-02-5.48990637E-06	8.60512472E-10-5.02558470E-14	2
-3.91158914E+04-4.40020336E+01 2.61108215E+00	4.18221558E-02-2.89144990E-05	3
1.09087376E-08-1.77647198E-12-3.49743351E+04	1.77615725E+01	4

c2h3cochoh	3/20/	9	THERMc	4 h	5o	2	OG	300.000	5000.000	1393.000	31
1.54607858E+01	1.21312833E-02	-4.23389175E-06	6.66277896E-10	-3.90223202E-14							2
-2.42188599E+04	-5.32856035E+01	4.19270119E-01	5.36489893E-02	-4.97438432E-05							3
2.37170402E-08	-4.49807903E-12	-1.95632118E+04	2.53522502E+01								4
c3h7coc2h3	3/20/	9	THERMc	6h	10o	1	OG	300.000	5000.000	1388.000	41
1.87183592E+01	2.41363189E-02	-8.35497476E-06	1.30748276E-09	-7.62747475E-14							2
-2.96755853E+04	-6.95728617E+01	3.14273123E-01	6.70372965E-02	-4.78379133E-05							3
1.84750498E-08	-3.03547113E-12	-2.31437069E+04	2.95218946E+01								4
c3h6coc2h3-1	3/20/9	THERMc	6h	9o	1	OG	300.000	5000.000	1387.000		41
1.83671859E+01	2.19412344E-02	-7.61003403E-06	1.19249056E-09	-6.96315700E-14							2
-4.64669117E+03	-6.52844977E+01	1.04122160E+00	6.25599467E-02	-4.52533206E-05							3
1.76786489E-08	-2.92967277E-12	1.47753875E+03	2.79204454E+01								4
c3h6coc2h3-2	3/20/9	THERMc	6h	9o	1	OG	300.000	5000.000	1376.000		41
1.85383420E+01	2.09644783E-02	-7.10726936E-06	1.09812027E-09	-6.35356671E-14							2
-6.09649496E+03	-6.53208710E+01	1.39542268E+00	5.77571211E-02	-3.62039487E-05							3
1.11354497E-08	-1.33077569E-12	1.83960497E+02	2.79077319E+01								4
c3h6coc2h3-3	3/20/9	THERMc	6h	9o	1	OG	300.000	5000.000	1391.000		31
1.95088401E+01	2.13070828E-02	-7.37138985E-06	1.15315577E-09	-6.72565403E-14							2
-8.33408595E+03	-7.35609380E+01	1.83838755E-01	7.01355834E-02	-5.64562252E-05							3
2.42899749E-08	-4.31253176E-12	-1.88889898E+03	2.90917145E+01								4
c2h5coc3h5-1	3/20/9	THERMc	6h	10o	1	OG	300.000	5000.000	1388.000		41
1.81829678E+01	2.45052211E-02	-8.46335590E-06	1.32244485E-09	-7.70671491E-14							2
-2.70818973E+04	-6.52675672E+01	-3.75897473E-01	6.77164773E-02	-4.80841893E-05							3
1.84447669E-08	-3.00647177E-12	-2.04998688E+04	3.46619611E+01								4
c2h5coc3h4	3/20/	9	THERMc	6h	9o	1	OG	300.000	5000.000	1392.000	21
1.79430404E+01	2.28618321E-02	-7.86481218E-06	1.22581504E-09	-7.13141958E-14							2
-1.49045027E+04	-6.55197165E+01	-2.30236091E+00	7.25240997E-02	-5.57224466E-05							3
2.27185315E-08	-3.83294799E-12	-8.05156651E+03	4.24699030E+01								4
ch3coc4h7-1	Therga3/20/9c	6h	10o	1	G	0300.00	5000.00	1000.00			1
0.84927855E+01	0.38035810E-01	-0.14130595E-04	0.24004279E-08	-0.15456161E-12							2
-0.23128041E+05	-0.10855644E+02	0.62356597E+00	0.62436055E-01	-0.37653906E-04							3
0.88312362E-08	0.37648882E-12	-0.21331750E+05	0.28588043E+02								4
Cc6e5oB	Thergas	03/20/9c	6h	9o	1	G	0300.00	5000.00	1000.00		1
0.10839655E+02	0.31051598E-01	-0.10387728E-04	0.16399105E-08	-0.10040495E-12							2
-0.34383672E+04	-0.23849907E+02	0.16176395E-01	0.69443278E-01	-0.60679849E-04							3
0.31208131E-07	-0.69517846E-11	-0.10684680E+04	0.29527189E+02								4
Dc6e5oB	Thergas	03/20/9c	6h	9o	1	G	0300.00	5000.00	1000.00		1
0.10058054E+02	0.31860441E-01	-0.10697982E-04	0.16927335E-08	-0.10376895E-12							2
-0.76155527E+04	-0.18963280E+02	0.12635521E+01	0.58932316E-01	-0.38616679E-04							3
0.12397782E-07	-0.11804337E-11	-0.55116826E+04	0.25375278E+02								4
blol2*o4j	Thergas	3/20/9c	4h	7o	2	G	0300.00	5000.00	1000.00		1
0.26380894E+01	0.33672862E-01	-0.12144186E-04	0.20208077E-08	-0.12827821E-12							2
-0.22919156E+05	0.24946110E+02	0.10970583E+01	0.57884518E-01	-0.59984595E-04							3
0.35182467E-07	0.81331513E-11	-0.24226590E+05	0.26247059E+02								4
blol3*o4j	Thergas	3/20/9c	4h	7o	2	G	0300.00	5000.00	1000.00		1
0.74330559E+01	0.27007179E-01	-0.91615320E-05	0.14603160E-08	-0.89986470E-13							2
-0.26897330E+05	-0.40765686E+01	0.48209801E+00	0.55450484E-01	-0.47666712E-04							3
0.22679252E-07	-0.43068773E-11	-0.25794322E+05	0.28729477E+02								4
pelol3*o5j	Thergas	3/20/9c	5h	9o	2	G	0300.00	5000.00	1000.00		1
-0.28177528E+01	0.52117407E-01	-0.20350391E-04	0.35809427E-08	-0.23638930E-12							2
-0.24068164E+05	0.58099331E+02	-0.36145309E+00	0.75402156E-01	-0.75363052E-04							3
0.40943323E-07	-0.83663822E-11	-0.27543881E+05	0.34931767E+02								4
pelol4*o5j	Thergas	3/20/9c	5h	9o	2	G	0300.00	5000.00	1000.00		1
0.90158472E+01	0.33651017E-01	-0.11545627E-04	0.18558295E-08	-0.11506064E-12							2
-0.30231275E+05	-0.10505356E+02	0.24833661E+00	0.67425027E-01	-0.54883396E-04							3
0.24201032E-07	-0.41436689E-11	-0.28685428E+05	0.31512085E+02								4
pel*o5ol	Thergas	03/20/9c	5h	10o	2	G	0300.00	5000.00	1000.00		1
0.48570399E+01	0.43349925E-01	-0.16637965E-04	0.28922988E-08	-0.18929349E-12							2
-0.48467461E+05	0.12647751E+02	0.13343251E+01	0.61682262E-01	-0.38324994E-04							3
0.84332852E-08	0.11058172E-11	-0.48526176E+05	0.27322203E+02								4
pelj*o5ol	Thergas	3/20/9c	5h	9o	2	G	0300.00	5000.00	1000.00		1

0.70850487E+01	0.35299279E-01	-0.12112658E-04	0.19464539E-08	-0.12061989E-12	2
-0.31231434E+05	0.24903488E+01	0.16247107E+01	0.60699347E-01	-0.46701171E-04	3
0.19525379E-07	-0.30622833E-11	-0.30748021E+05	0.26978991E+02		4
pelol3*o4e	Thergas3/20/9c	5h 8o 2	G	0300.00 5000.00 1000.00	1
0.30589117E+02	-0.44905175E-02	0.53424619E-05	-0.13882864E-08	0.11514799E-12	2
-0.46435027E+05	-0.13154630E+03	0.38101373E+01	0.42214815E-01	-0.14987122E-04	3
-0.10940863E-08	0.38778068E-12	-0.36360262E+05	0.16729578E+02		4
pelol3*o4e2j	3/20/9THERMc	5h 7o 2	OG	300.000 5000.000 1390.000	41
1.85185590E+01	1.67847056E-02	-5.84663771E-06	9.18856573E-10	-5.37649177E-14	2
-2.30549435E+04	-6.64450966E+01	9.82120356E-01	6.25670488E-02	-5.35096399E-05	3
2.41079161E-08	-4.41716727E-12	-1.73521169E+04	2.61876951E+01		4
peljol3*o4e	3/20/9 THERMc	5h 7o 2	OG	300.000 5000.000 1389.000	41
1.72019051E+01	1.77570506E-02	-6.14777025E-06	9.62132331E-10	-5.61288190E-14	2
-2.26754315E+04	-5.77220353E+01	2.44768901E+00	5.55589980E-02	-4.52814384E-05	3
2.01266097E-08	-3.71218788E-12	-1.77440592E+04	2.05713364E+01		4
c2h3coch2hco	3/20/9THERMc	5h 6o 2	OG	300.000 5000.000 1388.000	31
1.68769642E+01	1.61913284E-02	-5.67379327E-06	8.95337958E-10	-5.25401315E-14	2
-3.47616195E+04	-5.83230757E+01	6.87543627E-02	5.60251296E-02	-4.23175060E-05	3
1.65049826E-08	-2.64604084E-12	-2.89522325E+04	3.17961457E+01		4
c2h3coch2co	3/20/9 THERMc	5h 5o 2	OG	300.000 5000.000 1387.000	31
1.64836434E+01	1.40142410E-02	-4.93114637E-06	7.80298041E-10	-4.58778183E-14	2
-1.58061802E+04	-5.45415411E+01	8.15192809E-01	5.13180232E-02	-3.93553532E-05	3
1.54604269E-08	-2.48263477E-12	-1.04190407E+04	2.93875755E+01		4
c2h3cohco	3/20/ 9 THERMc	4h 4o 2	OG	300.000 5000.000 1385.000	21
1.43267687E+01	1.11375907E-02	-3.93010308E-06	6.23089893E-10	-3.66842168E-14	2
-2.85387223E+04	-4.71741680E+01	1.24245677E+00	4.21681144E-02	-3.23559692E-05	3
1.26200873E-08	-2.00398462E-12	-2.40361565E+04	2.29423532E+01		4
c2h3coco	3/20/ 9 THERMc	4h 3o 2	OG	300.000 5000.000 1387.000	21
1.37903577E+01	8.97825351E-03	-3.16926957E-06	5.02571817E-10	-2.95927355E-14	2
-1.24019447E+04	-4.35131404E+01	2.45455231E+00	3.75185736E-02	-3.14284407E-05	3
1.35165580E-08	-2.35619537E-12	-8.64960319E+03	1.66745856E+01		4
c6oAoD	c	6h 10o 2	G	0300.00 5000.00 1000.00	1
-0.12573102E+02	0.78058399E-01	-0.34696928E-04	0.66868675E-08	-0.47086434E-12	2
-0.39899969E+05	0.11103112E+03	0.14208453E+01	0.70562162E-01	-0.50962513E-04	3
0.15004934E-07	0.81338799E-12	-0.47060305E+05	0.26899633E+02		4
c6oyAoD	c	6h 9o 2	G	0300.00 5000.00 1000.00	1
-0.93244343E+01	0.67222312E-01	-0.27887543E-04	0.51179700E-08	-0.34791446E-12	2
-0.22908547E+05	0.95663322E+02	0.18367063E+01	0.68703756E-01	-0.57223951E-04	3
0.23976128E-07	-0.26011268E-11	-0.29295502E+05	0.26028908E+02		4
VINacrol	3/ 8/ 7 THERMc	5h 6o 1	OG	300.000 5000.000 1390.000	21
1.96694186E+01	9.47268019E-03	-3.43345392E-06	5.54119499E-10	-3.30290903E-14	2
-1.21198582E+04	-7.96616315E+01	-1.49467174E+00	6.32157577E-02	-5.57679330E-05	3
2.37098997E-08	-3.94697393E-12	-5.31850599E+03	3.22824837E+01		4
P2c4h614	c	7h 13o 00	OG	300.00 3000.00 1000.00	1
0.19672320E+02	0.27687470E-01	-0.79897730E-05	0.11365280E-08	-0.64848860E-13	2
0.60075160E+04	-0.73268260E+02	-0.35493880E+01	0.93466240E-01	-0.78503050E-04	3
0.36474530E-07	-0.74456470E-11	0.12485930E+05	0.46685370E+02		4
P2c4h513	c	7h 12o 00	OG	300.00 3000.00 1000.00	1
0.17810300E+02	0.29455120E-01	-0.96432360E-05	0.14973100E-08	-0.90522930E-13	2
-0.41163220E+04	-0.66349990E+02	-0.21090900E+01	0.81644630E-01	-0.53366480E-04	3
0.11908060E-07	0.93417400E-12	0.14750950E+04	0.37193940E+02		4
ch2ch2ch2hco	3/19/7THERMc	4h 7o 1	OG	300.000 5000.000 1379.000	31
1.30322954E+01	1.62418373E-02	-5.54388124E-06	8.59723685E-10	-4.98459726E-14	2
-6.45915975E+03	-3.85453878E+01	2.67672303E+00	3.73064128E-02	-2.11281405E-05	3
5.80472681E-09	-6.09688236E-13	-2.49714183E+03	1.82696076E+01		4
Ac5oB	7/11/ 7 THERMc	5h 9o 1	OG	300.000 5000.000 1388.000	31
1.69313136E+01	2.07518568E-02	-7.13681085E-06	1.11208678E-09	-6.46860138E-14	2
-1.79816527E+04	-5.98448615E+01	1.19201012E+00	5.69526100E-02	-3.95451315E-05	3
1.46451683E-08	-2.28996216E-12	-1.23840665E+04	2.50122634E+01		4
etvinket	c	5h 8o 1	OG	300.000 5000.000 1000.000	21
0.28373096E+02	-0.42534666E-02	0.51976122E-05	-0.13628563E-08	0.11350900E-12	2

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-0.27606387E+05-0.12429077E+03 0.26887226E+01 0.40447008E-01-0.14406912E-04 3
-0.76786449E-09 0.26892808E-12-0.17917240E+05 0.17995195E+02 4
c2h3coc2h4 3/19/ 7 THERMc 5h 7o 1 0G 300.000 5000.000 1386.000 31
1.51607797E+01 1.74597490E-02-6.06668423E-06 9.51792018E-10-5.56230162E-14 2
-5.25093416E+02-4.94554651E+01 1.26715080E+00 5.04051808E-02-3.71925903E-05 3
1.49232602E-08-2.54196869E-12 4.36559254E+03 2.51816237E+01 4
END

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Transport data

he	0	10.200	2.576	0.000	0.000	0.000
ar	0	136.500	3.330	0.000	0.000	0.000
a	0	136.500	3.330	0.000	0.000	0.000
e	0	850.	425.	0.000	0.000	1.000
cl	0	130.8	3.613	0.000	0.000	1.000
cl-	0	130.8	3.613	0.000	0.000	1.000
hcl	1	344.7	3.339	1.084	0.000	1.000
f	0	80.000	2.750	0.000	0.000	0.000
hf	1	330.000	3.148	1.920	2.460	1.000
hf0	1	352.000	2.490	1.730	0.000	5.000
hf1	1	352.000	2.490	1.730	0.000	5.000
hf2	1	352.000	2.490	1.730	0.000	5.000
hf3	1	352.000	2.490	1.730	0.000	5.000
hf4	1	352.000	2.490	1.730	0.000	5.000
hf5	1	352.000	2.490	1.730	0.000	5.000
hf6	1	352.000	2.490	1.730	0.000	5.000
hf7	1	352.000	2.490	1.730	0.000	5.000
hf8	1	352.000	2.490	1.730	0.000	5.000
f2	1	125.700	3.301	0.000	1.600	3.800
h	0	145.000	2.050	0.000	0.000	0.000
oh	1	80.000	2.750	0.000	0.000	0.000
ho2	2	107.400	3.458	0.000	0.000	1.000
h2	1	38.000	2.920	0.000	0.790	280.000
h2o	2	572.400	2.605	1.844	0.000	4.000
h2o2	2	107.400	3.458	0.000	0.000	3.800
o	0	80.000	2.750	0.000	0.000	0.000
o2	1	107.400	3.458	0.000	1.600	3.800
o3	2	180.000	4.100	0.000	0.000	2.000
n	0	71.400	3.298	0.000	0.000	0.000
nh	1	80.000	2.650	0.000	0.000	4.000
hno	2	116.700	3.492	0.000	0.000	1.000
hono	2	232.400	3.828	0.000	0.000	1.000
nh2	2	80.000	2.650	0.000	2.260	4.000
h2no	2	116.700	3.492	0.000	0.000	1.000
hnoh	2	116.700	3.492	0.000	0.000	1.000
nh3	2	481.000	2.920	1.470	0.000	10.000
n2	1	97.530	3.621	0.000	1.760	4.000
nnh	2	71.400	3.798	0.000	0.000	1.000
hnno	2	232.400	3.828	0.000	0.000	1.000
n2h2	2	71.400	3.798	0.000	0.000	1.000
n2h3	2	200.000	3.900	0.000	0.000	1.000
n2h4	2	205.000	4.230	0.000	4.260	1.500
n2o	1	232.400	3.828	0.000	0.000	1.000
no	1	97.530	3.621	0.000	1.760	4.000
no2	2	200.000	3.500	0.000	0.000	1.000
s	0	847.000	3.839	0.000	0.000	0.000
sh	1	847.000	3.900	0.000	0.000	1.000
hso2	2	252.000	4.290	0.000	0.000	1.000
h2s	2	301.000	3.600	0.000	0.000	1.000
so	1	301.000	3.993	0.000	0.000	1.000
so2	2	252.000	4.290	0.000	0.000	1.000
so3	2	378.400	4.175	0.000	0.000	1.000



s2	1	847.000	3.900	0.000	0.000	1.000
C	0	71.400	3.298	0.000	0.000	0.000
ch	1	80.000	2.750	0.000	0.000	0.000
hcn	1	569.000	3.630	0.000	0.000	1.000
hcno	2	232.400	3.828	0.000	0.000	1.000
hocn	2	232.400	3.828	0.000	0.000	1.000
hnco	2	232.400	3.828	0.000	0.000	1.000
hcnn	2	150.000	2.500	0.000	0.000	1.000
hco	2	498.000	3.590	0.000	0.000	0.000
cho	2	498.000	3.590	0.000	0.000	0.000
hco+	1	498.000	3.590	0.000	0.000	0.000
cho+	1	498.000	3.590	0.000	0.000	0.000
ch2	1	144.000	3.800	0.000	0.000	0.000
sch2	1	144.000	3.800	0.000	0.000	0.000
ch2(s)	1	144.000	3.800	0.000	0.000	0.000
h2cn	1	569.000	3.630	0.000	0.000	1.000
ch2o	2	498.000	3.590	0.000	0.000	2.000
ch3	1	144.000	3.800	0.000	0.000	0.000
ch3o	2	417.000	3.690	1.700	0.000	2.000
ch2oh	2	417.000	3.690	1.700	0.000	2.000
ch3o2	2	481.800	3.626	0.000	0.000	1.000
ch3no3	2	232.400	3.828	0.000	0.000	1.000
ch4	2	141.400	3.746	0.000	2.600	13.000
ch4o	2	417.000	3.690	1.700	0.000	2.000
ch3oh	2	481.800	3.626	0.000	0.000	1.000
ch3o2h	2	481.800	3.626	0.000	0.000	1.000
cn	1	75.000	3.856	0.000	0.000	1.000
nco	1	232.400	3.828	0.000	0.000	1.000
cn2	1	232.400	3.828	0.000	0.000	1.000
ncn	1	232.400	3.828	0.000	0.000	1.000
cnn	1	232.400	3.828	0.000	0.000	1.000
ncno	2	232.400	3.828	0.000	0.000	1.000
co	1	98.100	3.650	0.000	1.950	1.800
co2	1	244.000	3.763	0.000	2.650	2.100
c2	1	97.530	3.621	0.000	1.760	4.000
c2h	1	209.000	4.100	0.000	0.000	2.500
hc2n2	1	349.000	4.361	0.000	0.000	1.000
hcco	2	150.000	2.500	0.000	0.000	1.000
c2h2	1	209.000	4.100	0.000	0.000	2.500
hccoh	2	436.000	3.970	0.000	0.000	2.000
ch2co	2	436.000	3.970	0.000	0.000	2.000
choco	2	436.000	3.970	0.000	0.000	2.000
c2h3	2	209.000	4.100	0.000	0.000	1.000
c2h3o	2	436.000	3.970	0.000	0.000	2.000
c2h2oh	2	224.700	4.162	0.000	0.000	1.000
ch2hco	2	436.000	3.970	0.000	0.000	2.000
ch3co	2	436.000	3.970	0.000	0.000	2.000
ch2cho	2	436.000	3.970	0.000	0.000	2.000
ch2chow	2	436.000	3.970	0.000	0.000	2.000
ch3co	2	436.000	3.970	0.000	0.000	2.000
ch3co2	2	436.000	3.970	0.000	0.000	2.000
ch3co3	2	436.000	3.970	0.000	0.000	2.000
c2h4	2	280.800	3.971	0.000	0.000	1.500
c2h4o	2	436.000	3.970	0.000	0.000	2.000
c2h4o2h	2	436.000	3.970	0.000	0.000	2.000
ch3hco	2	436.000	3.970	0.000	0.000	2.000
ch3cho	2	436.000	3.970	0.000	0.000	2.000
ch3hcow	2	436.000	3.970	0.000	0.000	2.000
ch3cho	2	436.000	3.970	0.000	0.000	2.000
chocho	2	436.000	3.970	0.000	0.000	2.000
ch3co2h	2	436.000	3.970	0.000	0.000	2.000

ch3co3h	2	436.000	3.970	0.000	0.000	2.000
c2h5	2	252.300	4.302	0.000	0.000	1.500
c2h5o2	2	391.000	4.455	0.000	0.000	1.000
c2h5o2h	2	391.000	4.455	0.000	0.000	1.000
pc2h5o	2	391.000	4.455	0.000	0.000	1.000
sc2h5o	2	391.000	4.455	0.000	0.000	1.000
c2h5o	2	391.000	4.455	0.000	0.000	1.000
c2h6	2	252.300	4.302	0.000	0.000	1.500
c2h5oh	2	391.000	4.455	0.000	0.000	1.000
ch3o2ch3	2	357.000	5.180	0.000	0.000	1.000
cnc	1	232.400	3.828	0.000	0.000	1.000
c2n	1	232.400	3.828	0.000	0.000	1.000
c2n2	1	349.000	4.361	0.000	0.000	1.000
c2o	1	232.400	3.828	0.000	0.000	1.000
c3h2	2	209.000	4.100	0.000	0.000	1.000
c3h2o	2	209.000	4.100	0.000	0.000	1.000
c3h3	1	252.000	4.760	0.000	0.000	1.000
c3h3o	1	252.000	4.760	0.000	0.000	1.000
h2ccch	2	252.000	4.760	0.000	0.000	1.000
ch3cc	2	252.000	4.760	0.000	0.000	1.000
c3h4	1	252.000	4.760	0.000	0.000	1.000
c3h4p	1	252.000	4.760	0.000	0.000	1.000
pc3h4	1	252.000	4.760	0.000	0.000	1.000
ac3h4	1	252.000	4.760	0.000	0.000	1.000
aceton	1	252.000	4.760	0.000	0.000	1.000
metacrol	1	252.000	4.760	0.000	0.000	1.000
c3h4c	1	252.000	4.760	0.000	0.000	1.000
sc3h5	2	260.000	4.850	0.000	0.000	1.000
ac3h5	2	260.000	4.850	0.000	0.000	1.000
c3h5	2	260.000	4.850	0.000	0.000	1.000
ch3cch2	2	260.000	4.850	0.000	0.000	1.000
ch2chch2	2	260.000	4.850	0.000	0.000	1.000
ch3chch	2	260.000	4.850	0.000	0.000	1.000
c3h5o	2	260.000	4.850	0.000	0.000	1.000
c3h4oh	2	260.000	4.850	0.000	0.000	1.000
c3h5co	2	357.000	5.180	0.000	0.000	1.000
c3h6	2	266.800	4.982	0.000	0.000	1.000
c3h6o	2	391.000	4.455	0.000	0.000	1.000
ch2coch3	2	391.000	4.455	0.000	0.000	1.000
c3h4o2h	2	391.000	4.455	0.000	0.000	1.000
ic3h7	2	266.800	4.982	0.000	0.000	1.000
nc3h7	2	266.800	4.982	0.000	0.000	1.000
ic3h7o	2	266.800	4.982	0.000	0.000	1.000
nc3h7o	2	266.800	4.982	0.000	0.000	1.000
c3h6oh	2	391.000	4.455	0.000	0.000	1.000
ic3h7o2	2	266.800	4.982	0.000	0.000	1.000
nc3h7o2	2	266.800	4.982	0.000	0.000	1.000
o2c3h6oh	2	391.000	4.455	0.000	0.000	1.000
c3h7	2	266.800	4.982	0.000	0.000	1.000
c3h5o2h	2	260.000	4.850	0.000	0.000	1.000
tc3h5	2	260.000	4.850	0.000	0.000	1.000
c3h8	2	266.800	4.982	0.000	0.000	1.000
ic3h7o2h	2	266.800	4.982	0.000	0.000	1.000
nc3h7o2h	2	266.800	4.982	0.000	0.000	1.000
c4h	1	357.000	5.180	0.000	0.000	1.000
c4h2	1	357.000	5.180	0.000	0.000	1.000
h2c4o	2	357.000	5.180	0.000	0.000	1.000
c4h3	2	357.000	5.180	0.000	0.000	1.000
ic4h3	2	357.000	5.180	0.000	0.000	1.000
nc4h3	2	357.000	5.180	0.000	0.000	1.000
ch2chcch	2	357.000	5.180	0.000	0.000	1.000

ch2chcch2	2	357.000	5.180	0.000	0.000	1.000
h2cccch	2	357.000	5.180	0.000	0.000	1.000
hcchcch	2	357.000	5.180	0.000	0.000	1.000
c4h2oh	2	224.700	4.162	0.000	0.000	1.000
c4h4	2	243.0	4.92	0.0	0.0	1.0
butyne	2	243.0	4.92	0.0	0.0	1.0
butyn2	2	243.0	4.92	0.0	0.0	1.0
h2cccch2	2	357.000	5.180	0.000	0.000	1.000
c4h5	1	252.000	4.760	0.000	0.000	1.000
c4h5o	1	252.000	4.760	0.000	0.000	1.000
oc4h6	1	252.000	4.760	0.000	0.000	1.000
ch3ccch2	2	357.000	5.180	0.000	0.000	1.000
ic4h5	2	243.0	4.92	0.0	0.0	1.0
nc4h5	2	243.0	4.92	0.0	0.0	1.0
ch2chchch	2	357.000	5.180	0.000	0.000	1.000
c4h6	2	357.000	5.180	0.000	0.000	1.000
meall	2	357.000	5.180	0.000	0.000	1.000
c4h612	2	357.000	5.180	0.000	0.000	1.000
hoc4h6	2	357.000	5.180	0.000	0.000	1.000
c4h6o2h	2	357.000	5.180	0.000	0.000	1.000
ch3ccch3	2	357.000	5.180	0.000	0.000	1.000
ch3ch2cch	2	357.000	5.180	0.000	0.000	1.000
ch2chchch2	2	357.000	5.180	0.000	0.000	1.000
c4h7	2	357.000	5.180	0.000	0.000	1.000
c4h7o	2	357.000	5.180	0.000	0.000	1.000
c4h7o2	2	357.000	5.180	0.000	0.000	1.000
ac4h7	2	334.7	5.06	0.0	0.0	1.0
c4h73	2	357.000	5.180	0.000	0.000	1.000
ic4h7	2	357.000	5.180	0.000	0.000	1.000
c4h8	2	357.000	5.176	0.000	0.000	1.000
c4h8o	2	357.000	5.176	0.000	0.000	1.000
ic4h8oh	2	357.000	5.176	0.000	0.000	1.000
ac4h8	2	334.7	5.06	0.0	0.0	1.0
ylc4h8	2	334.7	5.06	0.0	0.0	1.0
t2c4h8	2	357.000	5.176	0.000	0.000	1.000
y2c4h8	2	357.000	5.176	0.000	0.000	1.000
uc4h8	2	357.000	5.176	0.000	0.000	1.000
ic4h8	2	357.000	5.176	0.000	0.000	1.000
c4h9	2	357.000	5.176	0.000	0.000	1.000
i*c4h9	2	357.000	5.176	0.000	0.000	1.000
ic4h9	2	357.000	5.176	0.000	0.000	1.000
c4h7m	2	357.000	5.176	0.000	0.000	1.000
tc4h9	2	357.000	5.176	0.000	0.000	1.000
pc4h9	2	341.2	5.16	0.0	0.0	1.0
s*c4h9	2	357.000	5.176	0.000	0.000	1.000
sc4h9	2	341.2	5.16	0.0	0.0	1.0
c4h10	2	357.000	5.176	0.000	0.000	1.000
nc4h10	2	357.000	5.176	0.000	0.000	1.000
ic4h10	2	357.000	5.176	0.000	0.000	1.000
c5h2	1	357.000	5.180	0.000	0.000	1.000
c5h3	1	357.000	5.180	0.000	0.000	1.000
c5h8	2	375.6	5.29	0.0	0.0	1.0
c5h813	2	375.6	5.29	0.0	0.0	1.0
cyc5h8	2	375.6	5.29	0.0	0.0	1.0
isope	2	375.6	5.29	0.0	0.0	1.0
c5h7c	2	378.8	5.42	0.0	0.0	1.0
c5h7	2	378.8	5.42	0.0	0.0	1.0
cyc5h7	2	378.8	5.42	0.0	0.0	1.0
isopy	2	378.8	5.42	0.0	0.0	1.0
ac5h10	2	378.8	5.42	0.0	0.0	1.0
fulvene	2	378.8	5.42	0.0	0.0	1.0

t2c5h10	2	378.8	5.42	0.0	0.0	1.0
c2c5h10	2	378.8	5.42	0.0	0.0	1.0
me1bu2	2	378.8	5.42	0.0	0.0	1.0
me2bu2	2	378.8	5.42	0.0	0.0	1.0
y1c5h10	2	378.8	5.42	0.0	0.0	1.0
bc5h10	2	387.6	5.42	0.0	0.0	1.0
Ac5h11	2	380.4	5.51	0.0	0.0	1.0
Bc5h11	2	380.4	5.51	0.0	0.0	1.0
Cc5h11	2	380.4	5.51	0.0	0.0	1.0
y1c5h11	2	380.4	5.51	0.0	0.0	1.0
tc5h11	2	380.4	5.51	0.0	0.0	1.0
neoc5h11	2	380.4	5.51	0.0	0.0	1.0
c6h2	1	357.000	5.180	0.000	0.000	1.000
c6h5(1)	2	412.300	5.349	0.000	0.000	1.000
c5h5oh	2	450.000	5.500	0.000	0.000	1.000
c5h5o	2	450.000	5.500	0.000	0.000	1.000
c5h5o13	2	450.000	5.500	0.000	0.000	1.000
c2c4h8	2	412.300	5.349	0.000	0.000	1.000
c6h9cy2	2	412.300	5.349	0.000	0.000	1.000
c6h10	2	412.300	5.349	0.000	0.000	1.000
chd13	2	412.300	5.349	0.000	0.000	1.000
cyc6h11	2	414.9	5.73	0.0	0.0	1.0
ac6h12	2	414.9	5.73	0.0	0.0	1.0
nc5h12	2	414.9	5.73	0.0	0.0	1.0
y1c6h12	2	414.9	5.73	0.0	0.0	1.0
cyc6h12	2	414.9	5.73	0.0	0.0	1.0
y1c6h13	2	415.2	5.83	0.0	0.0	1.0
y2c6h13	2	415.2	5.83	0.0	0.0	1.0
Ac6h13	2	415.2	5.83	0.0	0.0	1.0
ic6h13	2	415.2	5.83	0.0	0.0	1.0
c7h13	2	448.0	6.02	0.0	0.0	1.0
c7h1313	2	448.0	6.02	0.0	0.0	1.0
c7h1324	2	448.0	6.02	0.0	0.0	1.0
c7h1335	2	448.0	6.02	0.0	0.0	1.0
ic7h13	2	448.0	6.02	0.0	0.0	1.0
ac7h14	2	448.0	6.02	0.0	0.0	1.0
bc7h14	2	448.0	6.02	0.0	0.0	1.0
1c7h14	2	448.0	6.02	0.0	0.0	1.0
y1c7h14	2	448.0	6.02	0.0	0.0	1.0
cc7h14	2	448.0	6.02	0.0	0.0	1.0
ic7h15	2	446.7	6.12	0.0	0.0	1.0
Ac7h15	2	446.7	6.12	0.0	0.0	1.0
y1c7h15	2	446.7	6.12	0.0	0.0	1.0
1c7h15	2	446.7	6.12	0.0	0.0	1.0
Bc7h15	2	446.7	6.12	0.0	0.0	1.0
y2c7h15	2	446.7	6.12	0.0	0.0	1.0
2c7h15	2	446.7	6.12	0.0	0.0	1.0
Cc7h15	2	446.7	6.12	0.0	0.0	1.0
3c7h15	2	446.7	6.12	0.0	0.0	1.0
y3c7h15	2	446.7	6.12	0.0	0.0	1.0
Dc7h15	2	446.7	6.12	0.0	0.0	1.0
y4c7h15	2	446.7	6.12	0.0	0.0	1.0
4c7h15	2	446.7	6.12	0.0	0.0	1.0
nc7h16	2	446.7	6.12	0.0	0.0	1.0
ac8h15	2	482.8	6.28	0.0	0.0	1.0
ac8h16	2	482.8	6.28	0.0	0.0	1.0
Ac8h17	2	473.0	6.40	0.0	0.0	1.0
Bc8h17	2	473.0	6.40	0.0	0.0	1.0
Cc8h17	2	473.0	6.40	0.0	0.0	1.0
Dc8h17	2	473.0	6.40	0.0	0.0	1.0
ac9h17	2	500.8	5.42	0.0	0.0	1.0

ac9h18	2	500.8	6.64	0.0	0.0	1.0
Ac9h19	2	500.8	6.64	0.0	0.0	1.0
Bc9h19	2	500.8	6.64	0.0	0.0	1.0
Cc9h19	2	500.8	6.64	0.0	0.0	1.0
Dc9h19	2	500.8	6.64	0.0	0.0	1.0
Ec9h19	2	500.8	6.64	0.0	0.0	1.0
c14h14	2	523.6	6.87	0.0	0.0	1.0
napht	2	523.6	6.87	0.0	0.0	1.0
mhd	2	523.6	6.87	0.0	0.0	1.0
Ac10h21	2	523.6	6.87	0.0	0.0	1.0
Bc10h21	2	523.6	6.87	0.0	0.0	1.0
Cc10h21	2	523.6	6.87	0.0	0.0	1.0
Dc10h21	2	523.6	6.87	0.0	0.0	1.0
Ec10h21	2	523.6	6.87	0.0	0.0	1.0
nc10h22	2	523.6	6.87	0.0	0.0	1.0
si	0	3036.	2.910	0.000	0.000	0.000
sif4	2	171.9	4.880	0.000	0.000	1.000
sih	1	95.8	3.662	0.000	0.000	1.000
sih2	2	133.1	3.803	0.000	0.000	1.000
sih3	2	170.3	3.943	0.000	0.000	1.000
sih4	2	207.6	4.084	0.000	0.000	1.000
si2	1	3036.	3.280	0.000	0.000	1.000
si2h2	2	323.8	4.383	0.000	0.000	1.000
si2h3	2	318.2	4.494	0.000	0.000	1.000
si2h4	2	312.6	4.601	0.000	0.000	1.000
h2sisih2	2	312.6	4.601	0.000	0.000	1.000
h3sisih	2	312.6	4.601	0.000	0.000	1.000
si2h5	2	306.9	4.717	0.000	0.000	1.000
si2h6	2	301.3	4.828	0.000	0.000	1.000
si3	2	3036.	3.550	0.000	0.000	1.000
si3h8	2	331.2	5.562	0.000	0.000	1.000
ash3	2	259.8	4.145	0.000	0.000	1.000
as2	1	1045.5	5.510	0.000	0.000	1.000
k+	0	850.	4.25	0.000	0.000	1.000
kh	1	93.3	3.542	0.000	0.000	1.000
kcl	1	1989.	4.186	0.000	0.000	1.000
ga	0	2961.8	4.62	0.000	0.000	0.000
k	0	850.	4.25	0.000	0.000	1.000
koh	2	1213.	4.52	0.000	0.000	1.000
ko	1	383.0	3.812	0.000	0.000	1.000
ko2	2	1213.	4.69	0.000	0.000	1.000
game	2	972.7	4.92	0.000	0.000	1.000
game2	2	675.8	5.22	0.000	0.000	1.000
game3	2	378.2	5.52	0.000	0.000	1.000
me2b12	2	378.8	5.42	0.0	0.0	1.0
me2b13	2	378.8	5.42	0.0	0.0	1.0
mepral2	2	378.8	5.42	0.0	0.0	1.0
mepryl2	2	378.8	5.42	0.0	0.0	1.0
c6h7	2	357.0	5.18	0.0	0.0	1.0
c6h7C	2	357.0	5.18	0.0	0.0	1.0
c6h11	2	357.0	5.176	0.0	0.0	1.0
c6h6	2	357.0	5.176	0.0	0.0	1.0
nc6h6	2	357.0	5.176	0.0	0.0	1.0
cyc6h10	2	357.0	5.176	0.0	0.0	1.0
mc6h6	2	357.0	5.176	0.0	0.0	1.0
c6h615	2	357.0	5.176	0.0	0.0	1.0
c6h5oh	2	357.0	5.176	0.0	0.0	1.0
c6h5o	2	357.0	5.176	0.0	0.0	1.0
c6h9	2	357.0	5.176	0.0	0.0	1.0
c6h8	2	357.0	5.176	0.0	0.0	1.0
c6h5	2	357.0	5.176	0.0	0.0	1.0

ac5h10	2	357.0	5.176	0.0	0.0	1.0
t2c5h10	2	357.0	5.176	0.0	0.0	1.0
c2c5h10	2	357.0	5.176	0.0	0.0	1.0
c5h9	2	357.0	5.176	0.0	0.0	1.0
c5h913	2	357.0	5.176	0.0	0.0	1.0
c5h924	2	357.0	5.176	0.0	0.0	1.0
toluen	2	357.0	5.176	0.0	0.0	1.0
phch2oh	2	357.0	5.176	0.0	0.0	1.0
phch2o	2	357.0	5.176	0.0	0.0	1.0 !
phco	2	357.0	5.176	0.0	0.0	1.0
phch2	2	357.0	5.176	0.0	0.0	1.0
phhco	2	357.0	5.176	0.0	0.0	1.0
phc2h4	2	357.0	5.176	0.0	0.0	1.0
Aphc2h4	2	357.0	5.176	0.0	0.0	1.0 !
Bphc2h4	2	357.0	5.176	0.0	0.0	1.0 !
phc2h5	2	357.0	5.176	0.0	0.0	1.0
phc2h	2	357.0	5.176	0.0	0.0	1.0
styren	2	357.0	5.176	0.0	0.0	1.0
Bc6h13	2	357.0	5.176	0.0	0.0	1.0
hex1245	2	357.0	5.176	0.0	0.0	1.0
CPD	2	357.0	5.176	0.0	0.0	1.0
c5h5	2	357.0	5.176	0.0	0.0	1.0
c3h5o2	2	266.8	4.982	0.0	0.0	1.0
c2h5co	2	266.8	4.982	0.0	0.0	1.0
c2h3co	2	266.8	4.982	0.0	0.0	1.0
c5h4oh	2	266.8	4.982	0.0	0.0	1.0
c5h4o	2	266.8	4.982	0.0	0.0	1.0
c3h4o	2	252.0	4.760	0.0	0.0	1.0
acrol	2	252.0	4.760	0.0	0.0	1.0
ethco	2	252.0	4.760	0.0	0.0	1.0
phc3h7	2	482.8	6.28	0.0	0.0	1.0
cyc6h12	2	482.8	6.28	0.0	0.0	1.0
cyc9h18	2	482.8	6.28	0.0	0.0	1.0
cyc8h14	2	482.8	6.28	0.0	0.0	1.0
cyc7h12	2	482.8	6.28	0.0	0.0	1.0
p2c4h513	2	482.8	6.28	0.0	0.0	1.0
c8h1514	2	482.8	6.28	0.0	0.0	1.0
c8h1514	2	482.8	6.28	0.0	0.0	1.0
c8h1515	2	482.8	6.28	0.0	0.0	1.0
c8h1516	2	482.8	6.28	0.0	0.0	1.0
c8h1517	2	482.8	6.28	0.0	0.0	1.0
c8h1518	2	482.8	6.28	0.0	0.0	1.0
c5h915	2	482.8	6.28	0.0	0.0	1.0
c6h1116	2	482.8	6.28	0.0	0.0	1.0
aphc3h6	2	482.8	6.28	0.0	0.0	1.0
bphc3h6	2	482.8	6.28	0.0	0.0	1.0
cphc3h6	2	482.8	6.28	0.0	0.0	1.0
c5h5o13	2	482.8	6.28	0.0	0.0	1.0
cyc6h11	2	482.8	6.28	0.0	0.0	1.0
ac9h17c	2	482.8	6.28	0.0	0.0	1.0
bc9h17c	2	482.8	6.28	0.0	0.0	1.0
cc9h17c	2	482.8	6.28	0.0	0.0	1.0
dc9h17c	2	482.8	6.28	0.0	0.0	1.0
ec9h17c	2	482.8	6.28	0.0	0.0	1.0
fc9h17c	2	482.8	6.28	0.0	0.0	1.0
gc9h17c	2	482.8	6.28	0.0	0.0	1.0
c7h1314	2	482.8	6.28	0.0	0.0	1.0
c7h1331	2	482.8	6.28	0.0	0.0	1.0
c5h911	2	482.8	6.28	0.0	0.0	1.0
ac8h15c	2	482.8	6.28	0.0	0.0	1.0
ac7h13c	2	482.8	6.28	0.0	0.0	1.0

p2c4h614	2	482.8	6.28	0.0	0.0	1.0
Cc6h13	2	482.8	6.28	0.0	0.0	1.0
c6h1112	2	482.8	6.28	0.0	0.0	1.0
c6h1115	2	482.8	6.28	0.0	0.0	1.0
BPHPROPY	2	482.8	6.28	0.0	0.0	1.0
ch3o2	2	482.8	6.28	0.0	0.0	1.0
ch3o2h	2	482.8	6.28	0.0	0.0	1.0
c2h5o2	2	482.8	6.28	0.0	0.0	1.0
c2h5o2h	2	482.8	6.28	0.0	0.0	1.0
ac10h20	2	482.8	6.28	0.0	0.0	1.0
c7h1213	2	482.8	6.28	0.0	0.0	1.0
c7h1216	2	482.8	6.28	0.0	0.0	1.0
c6h1113	2	482.8	6.28	0.0	0.0	1.0
c8h1513	2	482.8	6.28	0.0	0.0	1.0
ac10h19	2	482.8	6.28	0.0	0.0	1.0
c7h1213	2	482.8	6.28	0.0	0.0	1.0
c7h1216	2	482.8	6.28	0.0	0.0	1.0
c6h1113	2	482.8	6.28	0.0	0.0	1.0
ac11h22	2	482.8	6.28	0.0	0.0	1.0
ac12h24	2	482.8	6.28	0.0	0.0	1.0
ac13h26	2	482.8	6.28	0.0	0.0	1.0
ac14h28	2	482.8	6.28	0.0	0.0	1.0
ac15h30	2	482.8	6.28	0.0	0.0	1.0
nc16h34	2	482.8	6.28	0.0	0.0	1.0
ac11h23	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0

gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h24	2	482.8	6.28	0.0	0.0	1.0
ac13h26	2	482.8	6.28	0.0	0.0	1.0
ac14h28	2	482.8	6.28	0.0	0.0	1.0
ac15h30	2	482.8	6.28	0.0	0.0	1.0
nc16h34	2	482.8	6.28	0.0	0.0	1.0
ac11h23	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0



hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac13h26	2	482.8	6.28	0.0	0.0	1.0
ac14h28	2	482.8	6.28	0.0	0.0	1.0
ac15h30	2	482.8	6.28	0.0	0.0	1.0
nc16h34	2	482.8	6.28	0.0	0.0	1.0
ac11h23	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac14h28	2	482.8	6.28	0.0	0.0	1.0
ac15h30	2	482.8	6.28	0.0	0.0	1.0
nc16h34	2	482.8	6.28	0.0	0.0	1.0
ac11h23	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0

ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac15h30	2	482.8	6.28	0.0	0.0	1.0
nc16h34	2	482.8	6.28	0.0	0.0	1.0
ac11h23	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0

dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
nc16h34	2	482.8	6.28	0.0	0.0	1.0
ac11h23	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0

ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac11h23	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0

gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
bc11h23	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
cc11h23	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0

ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
dc11h23	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0

ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ec11h23	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
fc11h23	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0

bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac11h21	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0



ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h25	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
bc12h25	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0

dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
cc12h25	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0

bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
dc12h25	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0
ec13h27	2	482.8	6.28	0.0	0.0	1.0
fc13h27	2	482.8	6.28	0.0	0.0	1.0
gc13h27	2	482.8	6.28	0.0	0.0	1.0
ac13h25	2	482.8	6.28	0.0	0.0	1.0
ac14h29	2	482.8	6.28	0.0	0.0	1.0
bc14h29	2	482.8	6.28	0.0	0.0	1.0
cc14h29	2	482.8	6.28	0.0	0.0	1.0
ec14h29	2	482.8	6.28	0.0	0.0	1.0
fc14h29	2	482.8	6.28	0.0	0.0	1.0
gc14h29	2	482.8	6.28	0.0	0.0	1.0
ac14h27	2	482.8	6.28	0.0	0.0	1.0
ac15h31	2	482.8	6.28	0.0	0.0	1.0
bc15h31	2	482.8	6.28	0.0	0.0	1.0
cc15h31	2	482.8	6.28	0.0	0.0	1.0
ec15h31	2	482.8	6.28	0.0	0.0	1.0
fc15h31	2	482.8	6.28	0.0	0.0	1.0
gc15h31	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ec12h25	2	482.8	6.28	0.0	0.0	1.0
fc12h25	2	482.8	6.28	0.0	0.0	1.0
bc16h33	2	482.8	6.28	0.0	0.0	1.0
ac12h23	2	482.8	6.28	0.0	0.0	1.0
ac13h27	2	482.8	6.28	0.0	0.0	1.0
bc13h27	2	482.8	6.28	0.0	0.0	1.0
cc13h27	2	482.8	6.28	0.0	0.0	1.0
dc13h27	2	482.8	6.28	0.0	0.0	1.0
dc14h29	2	482.8	6.28	0.0	0.0	1.0
dc15h31	2	482.8	6.28	0.0	0.0	1.0























hc16h33	2	482.8	6.28	0.0	0.0	1.0
hc15h31	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac15h29	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
ac16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
cc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
dc16h33	2	482.8	6.28	0.0	0.0	1.0
ec16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
fc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
gc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
hc16h33	2	482.8	6.28	0.0	0.0	1.0
bmepral	2	476.0	5.778	2.6	0.0	1.0
oc7h14	2	476.0	5.778	2.6	0.0	1.0
bmepryl	2	476.0	5.778	2.6	0.0	1.0
bme1bu	2	382.1	5.548	0.0	0.0	1.0
bme2bu	2	382.1	5.548	0.0	0.0	1.0
bddm1pe	2	382.1	5.548	0.0	0.0	1.0
bddm2pe	2	382.1	5.548	0.0	0.0	1.0
dddmlpe	2	382.1	5.548	0.0	0.0	1.0
dddm2pe	2	382.1	5.548	0.0	0.0	1.0
bddmpe2	2	382.1	5.548	0.0	0.0	1.0
bbdtmpe1	2	382.1	5.548	0.0	0.0	1.0
ilc8h16	2	485.6	6.440	0.3	0.0	1.0
i2c8h16	2	485.6	6.440	0.3	0.0	1.0
bddm3pe2	2	382.1	5.548	0.0	0.0	1.0
bme2b1	2	382.1	5.548	0.0	0.0	1.0

cme2b1	2	382.1	5.548	0.0	0.0	1.0
nec5h11	2	357.8	5.550	0.0	0.0	1.0
dddmp2	2	382.1	5.548	0.0	0.0	1.0
bbdtmpe3	2	382.1	5.548	0.0	0.0	1.0
dddm2pe1	2	382.1	5.548	0.0	0.0	1.0
bbdtmpe2	2	382.1	5.548	0.0	0.0	1.0
bbdtmpe1	2	382.1	5.548	0.0	0.0	1.0
bddm1pe3	2	382.1	5.548	0.0	0.0	1.0
bddm2pe3	2	382.1	5.548	0.0	0.0	1.0
dddm2pe2	2	382.1	5.548	0.0	0.0	1.0
dm2mylpe	2	382.1	5.548	0.0	0.0	1.0
dddm1pe3	2	382.1	5.548	0.0	0.0	1.0
bddm2pe1	2	382.1	5.548	0.0	0.0	1.0
dddm1pe2	2	382.1	5.548	0.0	0.0	1.0
bme2pe4	2	382.1	5.548	0.0	0.0	1.0
bddm1pe1	2	382.1	5.548	0.0	0.0	1.0
ic8h18	2	458.5	6.414	0.0	0.0	1.0

!

!T. Kathrotia, M. Braun-Unkhoff, missing transdata added 1.09.2010

!C1

o2cho	2	436.000	3.970	0.000	0.000	2.000
ho2cho	2	436.000	3.970	0.000	0.000	2.000
ocho	2	498.000	3.590	0.000	0.000	2.000
hocho	2	436.000	3.970	0.000	0.000	2.000
hoch2o	2	470.600	4.410	0.000	0.000	1.500

!C2

pc2h4oh	2	470.600	4.410	0.000	0.000	1.500
o2c2h4oh	2	523.200	5.664	1.700	0.000	1.000
ch3choh	2	417.000	3.690	1.700	0.000	2.000

!C3

nc3h7oh	2	482.8	6.28	0.0	0.0	1.0
c3h6o1-3	2	403.600	4.968	2.000	0.000	1.000
c3h5e1q2	2	260.000	4.850	0.000	0.000	1.000
c3h5oh	2	481.500	4.997	1.700	0.000	1.000
ch3chco	2	443.200	4.120	0.000	0.000	1.000
ch2ch2hco	2	482.8	6.28	0.0	0.0	1.0
o2c2h4hco	2	482.8	6.28	0.0	0.0	1.0
ho2c2h4co	2	482.8	6.28	0.0	0.0	1.0
ho2c2h4hco	2	482.8	6.28	0.0	0.0	1.0
oc2h4hco	2	482.8	6.28	0.0	0.0	1.0
ch3cocho	2	482.8	6.28	0.0	0.0	1.0
ch3coco	2	482.8	6.28	0.0	0.0	1.0
ch2cohco	2	482.8	6.28	0.0	0.0	1.0
hcoch2hco	2	482.8	6.28	0.0	0.0	1.0
hcoch2co	2	482.8	6.28	0.0	0.0	1.0
ch3coch2o2	2	435.200	4.662	2.700	0.000	1.000
ch3coch2o	2	435.200	4.662	2.700	0.000	1.000
ch3coch2o2h	2	435.200	4.662	2.700	0.000	1.000
propynal	2	482.8	6.28	0.0	0.0	1.0
c2hco	2	482.8	6.28	0.0	0.0	1.0

!C4

c4h4o	2	482.8	6.28	0.0	0.0	1.0
c3h4hco	2	482.8	6.28	0.0	0.0	1.0
c3h3hco	2	482.8	6.28	0.0	0.0	1.0
c3h3co	2	482.8	6.28	0.0	0.0	1.0
Ac4h7-1	2	357.000	5.180	0.000	0.000	1.000
Cc4h7-1	2	357.000	5.180	0.000	0.000	1.000
Dc4h7-1	2	357.000	5.180	0.000	0.000	1.000
nc3h7hco	2	482.8	6.28	0.0	0.0	1.0
c3h7co	2	482.8	6.28	0.0	0.0	1.0
c4h7oh	2	482.8	6.28	0.0	0.0	1.0

ac3h5hco	2	482.8	6.28	0.0	0.0	1.0	
ac3h5co	2	357.000	5.180	0.000	0.000	1.000	
c2h3chcho	2	482.8	6.28	0.0	0.0	1.0	
c4h8o2	2	496.000	5.200	0.000	0.000	1.000	
butanone	2	357.000	5.176	0.000	0.000	1.000	
mvk	1	252.000	4.760	0.000	0.000	1.000	
ch2coc2h3	2	482.8	6.28	0.0	0.0	1.0	
ch3chch2hco	2	482.8	6.28	0.0	0.0	1.0	
c3h6cho-1	2	464.200	5.009	2.600	0.000	1.000	
ch3coc2h4p	2	482.8	6.28	0.0	0.0	1.0	
ch3coc2h4o2	2	482.8	6.28	0.0	0.0	1.0	
ch3coc2h4o2h	2	482.8	6.28	0.0	0.0	1.0	
ch3coc2h4o	2	482.8	6.28	0.0	0.0	1.0	
c2h5coch2	2	454.000	5.413	3.300	0.000	1.000	
c2h5coch2o2	2	482.8	6.28	0.0	0.0	1.0	
c2h5coch2o2h	2	482.8	6.28	0.0	0.0	1.0	
c2h5coch2o	2	482.8	6.28	0.0	0.0	1.0	
c4h7hco-1	2	482.8	6.28	0.0	0.0	1.0	
c4h7hco-2	2	482.8	6.28	0.0	0.0	1.0	
c4h7co-1	2	482.8	6.28	0.0	0.0	1.0	
c4h7co-2	2	482.8	6.28	0.0	0.0	1.0	
c4h8hco-2	2	482.8	6.28	0.0	0.0	1.0	
!C5							
c5h10	2	378.800	5.42	0.0	0.0	1.0	
Ac5h9-1	2	357.000	5.176	0.0	0.0	1.0	
Bc5h9-1	2	357.000	5.176	0.0	0.0	1.0	
Cc5h9-1	2	357.000	5.176	0.0	0.0	1.0	
Dc5h9-1	2	357.000	5.176	0.0	0.0	1.0	
Ec5h9-1	2	357.000	5.176	0.0	0.0	1.0	
Dc5h9-2	2	357.000	5.176	0.0	0.0	1.0	
nc4h9hco	2	482.8	6.28	0.0	0.0	1.0	!
nc4h9co	2	482.8	6.28	0.0	0.0	1.0	!
c3h7coch3	2	482.8	6.28	0.0	0.0	1.0	!
c5h9oh	2	482.8	6.28	0.0	0.0	1.0	!
c5h8-12	2	375.600	5.29	0.0	0.0	1.0	
c5h8-13	2	375.600	5.29	0.0	0.0	1.0	
c5h8-14	2	375.600	5.29	0.0	0.0	1.0	
ch3coc3h6o2-1	2	482.8	6.28	0.0	0.0	1.0	!
ch3coc3h6o2h-1	2	482.8	6.28	0.0	0.0	1.0	!
ch3coc3h6o-1	2	482.8	6.28	0.0	0.0	1.0	!
isoph	2	482.8	6.28	0.0	0.0	1.0	!
!C6							
c6h14	2	399.300	5.949	0.0	0.0	1.000	
c6h14s	2	399.300	5.949	0.0	0.0	1.000	
c6h12-1	2	414.9	5.73	0.0	0.0	1.0	
c6h12-2	2	414.9	5.73	0.0	0.0	1.0	
c6h12-3	2	414.9	5.73	0.0	0.0	1.0	
Ac6h11-3	2	357.0	5.176	0.0	0.0	1.0	
Bc6h11-3	2	357.0	5.176	0.0	0.0	1.0	
Cc6h11-1	2	357.0	5.176	0.0	0.0	1.0	
Fc6h11-1	2	357.0	5.176	0.0	0.0	1.0	
c6h10-13	2	412.3	5.349	0.000	0.0	1.000	
c6h10-15	2	412.3	5.349	0.000	0.0	1.000	
c5h11hco	2	482.8	6.28	0.0	0.0	1.0	!
c5h11co	2	482.8	6.28	0.0	0.0	1.0	!
!C7							
c7h14-1	2	448.0	6.02	0.0	0.0	1.0	
c7h14-2	2	448.0	6.02	0.0	0.0	1.0	
c7h14-3	2	448.0	6.02	0.0	0.0	1.0	
c7h12-13	2	482.8	6.28	0.0	0.0	1.0	
c7h12-16	2	482.8	6.28	0.0	0.0	1.0	



Cc7h13-1	2	448.0	6.02	0.0	0.0	1.0	
Dc7h13-1	2	448.0	6.02	0.0	0.0	1.0	
Dc7h13-2	2	448.0	6.02	0.0	0.0	1.0	
Ac7h13-3	2	448.0	6.02	0.0	0.0	1.0	
Ec7h13-3	2	448.0	6.02	0.0	0.0	1.0	
c6h13hco	2	482.8	6.28	0.0	0.0	1.0	!
c6h13co	2	482.8	6.28	0.0	0.0	1.0	!
c7h14rohAB	2	448.0	6.02	0.0	0.0	1.0	
c7h14qjohAB	2	448.0	6.02	0.0	0.0	1.0	
c7h14rohBC	2	448.0	6.02	0.0	0.0	1.0	
c7h14qjohBC	2	448.0	6.02	0.0	0.0	1.0	
c7h14rohCD	2	448.0	6.02	0.0	0.0	1.0	
c7h14qjohCD	2	448.0	6.02	0.0	0.0	1.0	
P2c4h4134	2	243.0	4.92	0.0	0.0	1.0	
!C8							
nc8h18	2	458.5	6.414	0.0	0.0	1.0	
c8h16-1	2	482.8	6.28	0.0	0.0	1.0	
c8h16-2	2	482.8	6.28	0.0	0.0	1.0	
c8h16-3	2	482.8	6.28	0.0	0.0	1.0	
c8h16-4	2	482.8	6.28	0.0	0.0	1.0	
Cc8h15-1	2	482.8	6.28	0.0	0.0	1.0	
Hc8h15-1	2	482.8	6.28	0.0	0.0	1.0	
Dc8h15-2	2	482.8	6.28	0.0	0.0	1.0	
Ec8h15-3	2	482.8	6.28	0.0	0.0	1.0	
c8h14	2	482.8	6.28	0.0	0.0	1.0	
c8h16rohAB	2	482.8	6.28	0.0	0.0	1.0	
c8h16rohBC	2	482.8	6.28	0.0	0.0	1.0	
c8h16rohCD	2	482.8	6.28	0.0	0.0	1.0	
c8h16rohDE	2	482.8	6.28	0.0	0.0	1.0	
c8h16qjohAB	2	482.8	6.28	0.0	0.0	1.0	
c8h16qjohBC	2	482.8	6.28	0.0	0.0	1.0	
c8h16qjohCD	2	482.8	6.28	0.0	0.0	1.0	
c8h16qjohDE	2	482.8	6.28	0.0	0.0	1.0	
c7h15hco	2	482.8	6.28	0.0	0.0	1.0	!
c7h15co	2	482.8	6.28	0.0	0.0	1.0	!
!C9							
nc9h20	2	399.300	5.949	0.000	0.000	1.000	
c9h18-1	2	500.8	6.64	0.0	0.0	1.0	
c9h18-2	2	500.8	6.64	0.0	0.0	1.0	
c9h18-3	2	500.8	6.64	0.0	0.0	1.0	
c9h18-4	2	500.8	6.64	0.0	0.0	1.0	
Cc9h17-1	2	500.8	5.42	0.0	0.0	1.0	
Dc9h17-2	2	500.8	5.42	0.0	0.0	1.0	
Ec9h17-3	2	500.8	5.42	0.0	0.0	1.0	
Fc9h17-4	2	500.8	5.42	0.0	0.0	1.0	
c9h16	2	482.8	6.28	0.0	0.0	1.0	!
c8h17hco	2	482.8	6.28	0.0	0.0	1.0	!
c8h17co	2	482.8	6.28	0.0	0.0	1.0	!
!Decane							
c10h20-1	2	482.8	6.28	0.0	0.0	1.0	
c10h20-2	2	482.8	6.28	0.0	0.0	1.0	
c10h20-3	2	482.8	6.28	0.0	0.0	1.0	
c10h20-4	2	482.8	6.28	0.0	0.0	1.0	
c10h20-5	2	482.8	6.28	0.0	0.0	1.0	
Cc10h19-1	2	482.8	6.28	0.0	0.0	1.0	
Dc10h19-2	2	482.8	6.28	0.0	0.0	1.0	
Ec10h19-3	2	482.8	6.28	0.0	0.0	1.0	
Fc10h19-4	2	482.8	6.28	0.0	0.0	1.0	
c10h20rohAB	2	482.8	6.28	0.0	0.0	1.0	
c10h20rohBC	2	482.8	6.28	0.0	0.0	1.0	
c10h20rohCD	2	482.8	6.28	0.0	0.0	1.0	

c10h20rohDE	2	482.8	6.28	0.0	0.0	1.0
c10h20rohEF	2	482.8	6.28	0.0	0.0	1.0
c10h20qjohAB	2	482.8	6.28	0.0	0.0	1.0
c10h20qjohBC	2	482.8	6.28	0.0	0.0	1.0
c10h20qjohCD	2	482.8	6.28	0.0	0.0	1.0
c10h20qjohDE	2	482.8	6.28	0.0	0.0	1.0
c10h20qjohEF	2	482.8	6.28	0.0	0.0	1.0
! Naphtenes : Cyclohexane and derivates						
cyc6h9	2	412.300	5.349	0.000	0.000	1.000
chxone	2	482.8	6.28	0.0	0.0	1.0 !
Bchxone	2	482.8	6.28	0.0	0.0	1.0 !
Cchxone	2	482.8	6.28	0.0	0.0	1.0 !
Dchxone	2	482.8	6.28	0.0	0.0	1.0 !
chxe2oA	2	482.8	6.28	0.0	0.0	1.0 !
chxe3oA	2	482.8	6.28	0.0	0.0	1.0 !
Dchxe2oA	2	482.8	6.28	0.0	0.0	1.0 !
Fc6e1oC	2	482.8	6.28	0.0	0.0	1.0 !
c6e5oA	2	482.8	6.28	0.0	0.0	1.0 !
c6e5oyA	2	482.8	6.28	0.0	0.0	1.0 !
Ac6e5oC	2	482.8	6.28	0.0	0.0	1.0 !
Ac6e5oB	2	482.8	6.28	0.0	0.0	1.0 !
Ac6e3e5oB	2	482.8	6.28	0.0	0.0	1.0 !
! Naphtenes : C7						
mch	2	448.0	6.02	0.0	0.0	1.0
mchA	2	448.0	6.02	0.0	0.0	1.0
mchB	2	448.0	6.02	0.0	0.0	1.0
mche1	2	448.0	6.02	0.0	0.0	1.0
Amche1	2	448.0	6.02	0.0	0.0	1.0
Cmche1	2	448.0	6.02	0.0	0.0	1.0
Dmche1	2	448.0	6.02	0.0	0.0	1.0
BmchohA	2	448.0	6.02	0.0	0.0	1.0
mchohAqjB	2	448.0	6.02	0.0	0.0	1.0
mche13	2	448.0	6.02	0.0	0.0	1.0
mche14	2	448.0	6.02	0.0	0.0	1.0
Emche13	2	448.0	6.02	0.0	0.0	1.0
Gmche13	2	448.0	6.02	0.0	0.0	1.0
Fmche14	2	448.0	6.02	0.0	0.0	1.0
Gmche14	2	448.0	6.02	0.0	0.0	1.0
mche135	2	448.0	6.02	0.0	0.0	1.0
mche136	2	448.0	6.02	0.0	0.0	1.0
mche1oC	2	448.0	6.02	0.0	0.0	1.0
mchoA	2	448.0	6.02	0.0	0.0	1.0
mche2oA	2	448.0	6.02	0.0	0.0	1.0
chxco	2	482.8	6.28	0.0	0.0	1.0 !
mche2oya	2	448.0	6.02	0.0	0.0	1.0
mchoAoC	2	448.0	6.02	0.0	0.0	1.0
mchoyAoC	2	448.0	6.02	0.0	0.0	1.0
mchoAoD	2	448.0	6.02	0.0	0.0	1.0
mchoyAoD	2	448.0	6.02	0.0	0.0	1.0
AmchoD	2	448.0	6.02	0.0	0.0	1.0
AmchoC	2	448.0	6.02	0.0	0.0	1.0
Gc7h13-1	2	448.0	6.02	0.0	0.0	1.0
Cc7h13-1	2	448.0	6.02	0.0	0.0	1.0
Dc7h13-1	2	448.0	6.02	0.0	0.0	1.0
c7e6oyA	2	482.8	6.28	0.0	0.0	1.0
Gc7e1oC	2	482.8	6.28	0.0	0.0	1.0
Ec5e1oC	2	482.8	6.28	0.0	0.0	1.0
Ac7e6oB	2	482.8	6.28	0.0	0.0	1.0
Gc7e1oD	2	482.8	6.28	0.0	0.0	1.0
Ac5e4oB	2	482.8	6.28	0.0	0.0	1.0
Gc7e1oF	2	482.8	6.28	0.0	0.0	1.0

Lc6h7	2	357.0	5.18	0.0	0.0	1.0
Lc6h6	2	357.0	5.176	0.0	0.0	1.0
Lc6h4	2	482.8	6.28	0.0	0.0	1.0
U-c6h5	2	357.0	5.176	0.0	0.0	1.0 !=
chxelrD	2	482.8	6.28	0.0	0.0	1.0
chd14	2	482.8	6.28	0.0	0.0	1.0
cyc6h9o	2	482.8	6.28	0.0	0.0	1.0
Fc6e3oAoE	2	482.8	6.28	0.0	0.0	1.0
Dc6e5oAoC	2	482.8	6.28	0.0	0.0	1.0
Fc6e5oA	2	482.8	6.28	0.0	0.0	1.0
Fc6e2oA	2	482.8	6.28	0.0	0.0	1.0
Fc6h9-13	2	357.0	5.176	0.0	0.0	1.0 !
hex135	2	482.8	6.28	0.0	0.0	1.0
sc3h5co	2	357.000	5.180	0.000	0.000	1.000
Ac6h9-15	2	357.0	5.176	0.0	0.0	1.0 !
! Aromatics: Benzene and derivates						
che24one	2	482.8	6.28	0.0	0.0	1.0
c6h4o2	2	482.8	6.28	0.0	0.0	1.0
c6h5o2	2	357.0	5.176	0.0	0.0	1.0 !=
c6h5o2h	2	357.0	5.176	0.0	0.0	1.0 !=
c6h3o2	2	482.8	6.28	0.0	0.0	1.0
c6h3o3	2	482.8	6.28	0.0	0.0	1.0
c5h4	1	357.000	5.180	0.000	0.000	1.000
! Aromatics: toluene and derivates						
hoc6h4ch3	2	482.8	6.28	0.0	0.0	1.0
oc6h4ch3	2	482.8	6.28	0.0	0.0	1.0
! Aromatics: C8						
ASTYRYL	2	482.8	6.28	0.0	0.0	1.0
BSTYRYL	2	482.8	6.28	0.0	0.0	1.0
c6h4c2h3	2	482.8	6.28	0.0	0.0	1.0
phch2hco	2	482.8	6.28	0.0	0.0	1.0
phch2co	2	482.8	6.28	0.0	0.0	1.0
phcoch2	2	482.8	6.28	0.0	0.0	1.0
! Aromatics: C9						
pbz	2	482.8	6.28	0.0	0.0	1.0
pbzjA	2	482.8	6.28	0.0	0.0	1.0
pbzjB	2	482.8	6.28	0.0	0.0	1.0
pbzjC	2	482.8	6.28	0.0	0.0	1.0
phc3h5-1	2	482.8	6.28	0.0	0.0	1.0
phc3h5-2	2	482.8	6.28	0.0	0.0	1.0
phc3h4	2	482.8	6.28	0.0	0.0	1.0
phc3h3	2	482.8	6.28	0.0	0.0	1.0
phc2h4hco	2	482.8	6.28	0.0	0.0	1.0
phc2h4co	2	482.8	6.28	0.0	0.0	1.0
phch2coch2	2	482.8	6.28	0.0	0.0	1.0
phcoc2h4	2	482.8	6.28	0.0	0.0	1.0
phc2h2hco	2	482.8	6.28	0.0	0.0	1.0
phc2h2co	2	482.8	6.28	0.0	0.0	1.0
phcoc2h3	2	482.8	6.28	0.0	0.0	1.0
Bphc3h5ohA	2	482.8	6.28	0.0	0.0	1.0
Aphc3h5ohB	2	482.8	6.28	0.0	0.0	1.0
Cphc3h5ohB	2	482.8	6.28	0.0	0.0	1.0
Bphc3h5ohC	2	482.8	6.28	0.0	0.0	1.0
pbzohAqjB	2	482.8	6.28	0.0	0.0	1.0
pbzohBqjA	2	482.8	6.28	0.0	0.0	1.0
pbzohBqjC	2	482.8	6.28	0.0	0.0	1.0
pbzohCqjB	2	482.8	6.28	0.0	0.0	1.0
Cophc3h4-1	2	482.8	6.28	0.0	0.0	1.0
Aophc3h4-2	2	482.8	6.28	0.0	0.0	1.0
ch3c6h4c2h3	2	482.8	6.28	0.0	0.0	1.0
ch3c6h4c2h5	2	482.8	6.28	0.0	0.0	1.0

biphenyl	2	357.000	5.180	0.000	0.000	1.000
c10h9	2	630.600	6.182	0.000	0.000	0.000
c10h10	2	482.8	6.28	0.0	0.0	1.0
c6h4c2h	2	482.8	6.28	0.0	0.0	1.0
Alc2hAC	2	482.8	6.28	0.0	0.0	1.0
A2-X	2	630.4	6.18	0.00	16.50	1.000
A2O	2	630.4	6.18	0.00	16.50	1.000
A2oh	2	630.4	6.18	0.00	16.50	1.000
Alc2h3AC	2	482.8	6.28	0.0	0.0	1.0
indenyl	2	482.8	6.28	0.0	0.0	1.0
!isooctane	2	482.8	6.28	0.0	0.0	1.0
ic8h15	2	482.8	6.28	0.0	0.0	1.0
pc7h15	2	446.7	6.12	0.0	0.0	1.0
! Hexanol						
c6h13ojA	2	415	5.83	0.0	0.0	1.0
hxol	2	357.0	5.176	0.0	0.0	1.0 !
hxol1j	2	357.0	5.176	0.0	0.0	1.0 !
hxol2j	2	357.0	5.176	0.0	0.0	1.0 !
hxol3j	2	357.0	5.176	0.0	0.0	1.0 !
hxol4j	2	357.0	5.176	0.0	0.0	1.0 !
hxol5j	2	357.0	5.176	0.0	0.0	1.0 !
hxol6j	2	357.0	5.176	0.0	0.0	1.0 !
hxol2e	2	357.0	5.176	0.0	0.0	1.0 !
hxol3e	2	357.0	5.176	0.0	0.0	1.0 !
hxol4e	2	357.0	5.176	0.0	0.0	1.0 !
hxol5e	2	357.0	5.176	0.0	0.0	1.0 !
hxol4e6j	2	357.0	5.176	0.0	0.0	1.0 !
hxol3e5j	2	357.0	5.176	0.0	0.0	1.0 !
hxol2e4j	2	357.0	5.176	0.0	0.0	1.0 !
hxol5e1j	2	357.0	5.176	0.0	0.0	1.0 !
hxol4e1j	2	357.0	5.176	0.0	0.0	1.0 !
hxol3e1j	2	357.0	5.176	0.0	0.0	1.0 !
hxol2e1j	2	357.0	5.176	0.0	0.0	1.0 !
c5h9hco-1	2	482.8	6.28	0.0	0.0	1.0
c5h9hco-2	2	482.8	6.28	0.0	0.0	1.0
c5h9hco-3	2	482.8	6.28	0.0	0.0	1.0
c5h9co-1	2	482.8	6.28	0.0	0.0	1.0
c5h9co-2	2	482.8	6.28	0.0	0.0	1.0
c5h9co-3	2	482.8	6.28	0.0	0.0	1.0
Ec5h9-2	2	357	5.176	0.0	0.0	1.0
pe1ol5j	2	482.8	6.28	0.0	0.0	1.0
pe1ol4j	2	482.8	6.28	0.0	0.0	1.0
pe1ol3j	2	482.8	6.28	0.0	0.0	1.0
pe1ol2j	2	482.8	6.28	0.0	0.0	1.0
pe1ol1j	2	482.8	6.28	0.0	0.0	1.0
pe1ol4e	2	482.8	6.28	0.0	0.0	1.0
pe1jol4e	2	482.8	6.28	0.0	0.0	1.0
pe1ol2e4e	2	482.8	6.28	0.0	0.0	1.0
pe1jol2e4e	2	482.8	6.28	0.0	0.0	1.0
pe1ol3e5j	2	482.8	6.28	0.0	0.0	1.0
b1ol	2	503.0722524	5.3399	1.67	8.88	1.0
c4h9o	2	503.0722524	5.3399	1.67	8.88	1.0
b1ol1j	2	503.0722524	5.3399	1.67	8.88	1.0
b1ol2j	2	503.0722524	5.3399	1.67	8.88	1.0
b1ol3j	2	503.0722524	5.3399	1.67	8.88	1.0
b1ol4j	2	503.0722524	5.3399	1.67	8.88	1.0
b1*o4ol	2	503.0722524	5.3399	1.67	8.88	1.0
b1j*o4ol	2	503.0722524	5.3399	1.67	8.88	1.0
b1ol2e4j	2	503.0722524	5.3399	1.67	8.88	1.0
b1ol3e	2	503.0722524	5.3399	1.67	8.88	1.0
b1jol3e	2	503.0722524	5.3399	1.67	8.88	1.0

ch2ch2ch2oh	2	482.8	6.28	0.0	0.0	1.0
hoc2h4hco	2	482.8	6.28	0.0	0.0	1.0
hoc2h4co	2	482.8	6.28	0.0	0.0	1.0
c2h3ch2oh	2	482.8	6.28	0.0	0.0	1.0
c2h3choh	2	482.8	6.28	0.0	0.0	1.0
hoch2hco	2	482.8	6.28	0.0	0.0	1.0
hoch2co	2	482.8	6.28	0.0	0.0	1.0
c4h5hco	2	482.8	6.28	0.0	0.0	1.0
c4h5co	2	482.8	6.28	0.0	0.0	1.0
c6h5cco	2	482.8	6.28	0.0	0.0	1.0
AC9H17C	2	482.8	6.28	0.0	0.0	1.0
BC9H17C	2	482.8	6.28	0.0	0.0	1.0
CC9H17C	2	482.8	6.28	0.0	0.0	1.0
DC9H17C	2	482.8	6.28	0.0	0.0	1.0
EC9H17C	2	482.8	6.28	0.0	0.0	1.0
FC9H17C	2	482.8	6.28	0.0	0.0	1.0
GC9H17C	2	482.8	6.28	0.0	0.0	1.0
CYC9H18	2	482.8	6.28	0.0	0.0	1.0
CYC8H14	2	482.8	6.28	0.0	0.0	1.0
CYC7H12	2	482.8	6.28	0.0	0.0	1.0
AC8H15C	2	482.8	6.28	0.0	0.0	1.0
AC7H13C	2	482.8	6.28	0.0	0.0	1.0
!						
! Naphtenes : Propylcyclohexane						
!						
pch	2	482.8	6.28	0.0	0.0	1.0
pchA	2	482.8	6.28	0.0	0.0	1.0
pchB	2	482.8	6.28	0.0	0.0	1.0
pchC	2	482.8	6.28	0.0	0.0	1.0
pchD	2	482.8	6.28	0.0	0.0	1.0
pchE	2	482.8	6.28	0.0	0.0	1.0
pchF	2	482.8	6.28	0.0	0.0	1.0
pchG	2	482.8	6.28	0.0	0.0	1.0
pchqjA	2	482.8	6.28	0.0	0.0	1.0
pchqjB	2	482.8	6.28	0.0	0.0	1.0
pchqjC	2	482.8	6.28	0.0	0.0	1.0
pchqjD	2	482.8	6.28	0.0	0.0	1.0
pchqjE	2	482.8	6.28	0.0	0.0	1.0
pchqjF	2	482.8	6.28	0.0	0.0	1.0
pchqjG	2	482.8	6.28	0.0	0.0	1.0
pchqA	2	482.8	6.28	0.0	0.0	1.0
pchqB	2	482.8	6.28	0.0	0.0	1.0
pchqC	2	482.8	6.28	0.0	0.0	1.0
pchqD	2	482.8	6.28	0.0	0.0	1.0
pchqE	2	482.8	6.28	0.0	0.0	1.0
pchqF	2	482.8	6.28	0.0	0.0	1.0
pchqG	2	482.8	6.28	0.0	0.0	1.0
pchojA	2	482.8	6.28	0.0	0.0	1.0
pchojB	2	482.8	6.28	0.0	0.0	1.0
pchojC	2	482.8	6.28	0.0	0.0	1.0
pchojD	2	482.8	6.28	0.0	0.0	1.0
pchojE	2	482.8	6.28	0.0	0.0	1.0
pchojF	2	482.8	6.28	0.0	0.0	1.0
pchojG	2	482.8	6.28	0.0	0.0	1.0
ApchqA	2	482.8	6.28	0.0	0.0	1.0
BpchqA	2	482.8	6.28	0.0	0.0	1.0
CpchqA	2	482.8	6.28	0.0	0.0	1.0
DpchqA	2	482.8	6.28	0.0	0.0	1.0
EpchqA	2	482.8	6.28	0.0	0.0	1.0
FpchqA	2	482.8	6.28	0.0	0.0	1.0
GpchqA	2	482.8	6.28	0.0	0.0	1.0

ApchqB	2	482.8	6.28	0.0	0.0	1.0
BpchqB	2	482.8	6.28	0.0	0.0	1.0
CpchqB	2	482.8	6.28	0.0	0.0	1.0
DpchqB	2	482.8	6.28	0.0	0.0	1.0
EpchqB	2	482.8	6.28	0.0	0.0	1.0
FpchqB	2	482.8	6.28	0.0	0.0	1.0
GpchqB	2	482.8	6.28	0.0	0.0	1.0
ApchqC	2	482.8	6.28	0.0	0.0	1.0
BpchqC	2	482.8	6.28	0.0	0.0	1.0
CpchqC	2	482.8	6.28	0.0	0.0	1.0
DpchqC	2	482.8	6.28	0.0	0.0	1.0
EpchqC	2	482.8	6.28	0.0	0.0	1.0
FpchqC	2	482.8	6.28	0.0	0.0	1.0
GpchqC	2	482.8	6.28	0.0	0.0	1.0
ApchqD	2	482.8	6.28	0.0	0.0	1.0
BpchqD	2	482.8	6.28	0.0	0.0	1.0
CpchqD	2	482.8	6.28	0.0	0.0	1.0
EpchqD	2	482.8	6.28	0.0	0.0	1.0
FpchqD	2	482.8	6.28	0.0	0.0	1.0
GpchqD	2	482.8	6.28	0.0	0.0	1.0
ApchqE	2	482.8	6.28	0.0	0.0	1.0
BpchqE	2	482.8	6.28	0.0	0.0	1.0
CpchqE	2	482.8	6.28	0.0	0.0	1.0
DpchqE	2	482.8	6.28	0.0	0.0	1.0
EpchqE	2	482.8	6.28	0.0	0.0	1.0
FpchqE	2	482.8	6.28	0.0	0.0	1.0
GpchqE	2	482.8	6.28	0.0	0.0	1.0
HpchqE	2	482.8	6.28	0.0	0.0	1.0
ApchqF	2	482.8	6.28	0.0	0.0	1.0
BpchqF	2	482.8	6.28	0.0	0.0	1.0
CpchqF	2	482.8	6.28	0.0	0.0	1.0
DpchqF	2	482.8	6.28	0.0	0.0	1.0
EpchqF	2	482.8	6.28	0.0	0.0	1.0
FpchqF	2	482.8	6.28	0.0	0.0	1.0
GpchqF	2	482.8	6.28	0.0	0.0	1.0
ApchqG	2	482.8	6.28	0.0	0.0	1.0
BpchqG	2	482.8	6.28	0.0	0.0	1.0
CpchqG	2	482.8	6.28	0.0	0.0	1.0
DpchqG	2	482.8	6.28	0.0	0.0	1.0
EpchqG	2	482.8	6.28	0.0	0.0	1.0
FpchqG	2	482.8	6.28	0.0	0.0	1.0
GpchqG	2	482.8	6.28	0.0	0.0	1.0
IpchqE	2	482.8	6.28	0.0	0.0	1.0
HpchqF	2	482.8	6.28	0.0	0.0	1.0
IpchqF	2	482.8	6.28	0.0	0.0	1.0
pchqAqjA	2	482.8	6.28	0.0	0.0	1.0
pchqAqjB	2	482.8	6.28	0.0	0.0	1.0
pchqAqjC	2	482.8	6.28	0.0	0.0	1.0
pchqAqjD	2	482.8	6.28	0.0	0.0	1.0
pchqAqjE	2	482.8	6.28	0.0	0.0	1.0
pchqAqjF	2	482.8	6.28	0.0	0.0	1.0
pchqAqjG	2	482.8	6.28	0.0	0.0	1.0
pchqBqjA	2	482.8	6.28	0.0	0.0	1.0
pchqBqjB	2	482.8	6.28	0.0	0.0	1.0
pchqBqjC	2	482.8	6.28	0.0	0.0	1.0
pchqBqjD	2	482.8	6.28	0.0	0.0	1.0
pchqBqjE	2	482.8	6.28	0.0	0.0	1.0
pchqBqjF	2	482.8	6.28	0.0	0.0	1.0
pchqBqjG	2	482.8	6.28	0.0	0.0	1.0
pchqCqjA	2	482.8	6.28	0.0	0.0	1.0
pchqCqjB	2	482.8	6.28	0.0	0.0	1.0

pchqCqjC	2	482.8	6.28	0.0	0.0	1.0
pchqCqjD	2	482.8	6.28	0.0	0.0	1.0
pchqCqjE	2	482.8	6.28	0.0	0.0	1.0
pchqCqjF	2	482.8	6.28	0.0	0.0	1.0
pchqCqjG	2	482.8	6.28	0.0	0.0	1.0
pchqDqjA	2	482.8	6.28	0.0	0.0	1.0
pchqDqjB	2	482.8	6.28	0.0	0.0	1.0
pchqDqjC	2	482.8	6.28	0.0	0.0	1.0
pchqDqjE	2	482.8	6.28	0.0	0.0	1.0
pchqDqjF	2	482.8	6.28	0.0	0.0	1.0
pchqDqjG	2	482.8	6.28	0.0	0.0	1.0
pchqEqjA	2	482.8	6.28	0.0	0.0	1.0
pchqEqjB	2	482.8	6.28	0.0	0.0	1.0
pchqEqjC	2	482.8	6.28	0.0	0.0	1.0
pchqEqjD	2	482.8	6.28	0.0	0.0	1.0
pchqEqjE	2	482.8	6.28	0.0	0.0	1.0
pchqEqjF	2	482.8	6.28	0.0	0.0	1.0
pchqEqjG	2	482.8	6.28	0.0	0.0	1.0
pchqEqjH	2	482.8	6.28	0.0	0.0	1.0
pchqEqjI	2	482.8	6.28	0.0	0.0	1.0
pchqFqjA	2	482.8	6.28	0.0	0.0	1.0
pchqFqjB	2	482.8	6.28	0.0	0.0	1.0
pchqFqjC	2	482.8	6.28	0.0	0.0	1.0
pchqFqjD	2	482.8	6.28	0.0	0.0	1.0
pchqFqjE	2	482.8	6.28	0.0	0.0	1.0
pchqFqjF	2	482.8	6.28	0.0	0.0	1.0
pchqFqjG	2	482.8	6.28	0.0	0.0	1.0
pchqFqjH	2	482.8	6.28	0.0	0.0	1.0
pchqFqjI	2	482.8	6.28	0.0	0.0	1.0
pchqGqjA	2	482.8	6.28	0.0	0.0	1.0
pchqGqjB	2	482.8	6.28	0.0	0.0	1.0
pchqGqjC	2	482.8	6.28	0.0	0.0	1.0
pchqGqjD	2	482.8	6.28	0.0	0.0	1.0
pchqGqjE	2	482.8	6.28	0.0	0.0	1.0
pchqGqjF	2	482.8	6.28	0.0	0.0	1.0
pchqGqjG	2	482.8	6.28	0.0	0.0	1.0
pchoAqB	2	482.8	6.28	0.0	0.0	1.0
pchoAqC	2	482.8	6.28	0.0	0.0	1.0
pchoAqD	2	482.8	6.28	0.0	0.0	1.0
pchoAqE	2	482.8	6.28	0.0	0.0	1.0
pchoBqA	2	482.8	6.28	0.0	0.0	1.0
pchoBqC	2	482.8	6.28	0.0	0.0	1.0
pchoBqD	2	482.8	6.28	0.0	0.0	1.0
pchoBqE	2	482.8	6.28	0.0	0.0	1.0
pchoBqF	2	482.8	6.28	0.0	0.0	1.0
pchoCqA	2	482.8	6.28	0.0	0.0	1.0
pchoCqB	2	482.8	6.28	0.0	0.0	1.0
pchoCqD	2	482.8	6.28	0.0	0.0	1.0
pchoCqE	2	482.8	6.28	0.0	0.0	1.0
pchoCqF	2	482.8	6.28	0.0	0.0	1.0
pchoCqG	2	482.8	6.28	0.0	0.0	1.0
pchoEqA	2	482.8	6.28	0.0	0.0	1.0
pchoEqB	2	482.8	6.28	0.0	0.0	1.0
pchoEqC	2	482.8	6.28	0.0	0.0	1.0
pchoEqD	2	482.8	6.28	0.0	0.0	1.0
pchoEqF	2	482.8	6.28	0.0	0.0	1.0
pchoEqG	2	482.8	6.28	0.0	0.0	1.0
pchoEqH	2	482.8	6.28	0.0	0.0	1.0
pchoEqI	2	482.8	6.28	0.0	0.0	1.0
pchoFqA	2	482.8	6.28	0.0	0.0	1.0
pchoFqB	2	482.8	6.28	0.0	0.0	1.0

pchoFqC	2	482.8	6.28	0.0	0.0	1.0
pchoFqD	2	482.8	6.28	0.0	0.0	1.0
pchoFqE	2	482.8	6.28	0.0	0.0	1.0
pchoFqG	2	482.8	6.28	0.0	0.0	1.0
pchoFqH	2	482.8	6.28	0.0	0.0	1.0
pchoFqI	2	482.8	6.28	0.0	0.0	1.0
pchoGqC	2	482.8	6.28	0.0	0.0	1.0
pchoGqD	2	482.8	6.28	0.0	0.0	1.0
pchoGqE	2	482.8	6.28	0.0	0.0	1.0
pchoGqF	2	482.8	6.28	0.0	0.0	1.0
pchoAojB	2	482.8	6.28	0.0	0.0	1.0
pchoAojC	2	482.8	6.28	0.0	0.0	1.0
pchoAojD	2	482.8	6.28	0.0	0.0	1.0
pchoBojA	2	482.8	6.28	0.0	0.0	1.0
pchoBojC	2	482.8	6.28	0.0	0.0	1.0
pchoBojD	2	482.8	6.28	0.0	0.0	1.0
pchoBojE	2	482.8	6.28	0.0	0.0	1.0
pchoCojA	2	482.8	6.28	0.0	0.0	1.0
pchoCojB	2	482.8	6.28	0.0	0.0	1.0
pchoCojD	2	482.8	6.28	0.0	0.0	1.0
pchoCojE	2	482.8	6.28	0.0	0.0	1.0
pchoCojF	2	482.8	6.28	0.0	0.0	1.0
pchoEojA	2	482.8	6.28	0.0	0.0	1.0
pchoEojB	2	482.8	6.28	0.0	0.0	1.0
pchoEojC	2	482.8	6.28	0.0	0.0	1.0
pchoEojD	2	482.8	6.28	0.0	0.0	1.0
pchoEojF	2	482.8	6.28	0.0	0.0	1.0
pchoEojG	2	482.8	6.28	0.0	0.0	1.0
pchoEojH	2	482.8	6.28	0.0	0.0	1.0
pchoEojI	2	482.8	6.28	0.0	0.0	1.0
pchoFoja	2	482.8	6.28	0.0	0.0	1.0
pchoFoJB	2	482.8	6.28	0.0	0.0	1.0
pchoFoJC	2	482.8	6.28	0.0	0.0	1.0
pchoFoJD	2	482.8	6.28	0.0	0.0	1.0
pchoFoJE	2	482.8	6.28	0.0	0.0	1.0
pchoFoJG	2	482.8	6.28	0.0	0.0	1.0
pchoFoJH	2	482.8	6.28	0.0	0.0	1.0
pchoFoJI	2	482.8	6.28	0.0	0.0	1.0
pchoGojD	2	482.8	6.28	0.0	0.0	1.0
pchoGojE	2	482.8	6.28	0.0	0.0	1.0
pchoGojF	2	482.8	6.28	0.0	0.0	1.0
ApchohB	2	482.8	6.28	0.0	0.0	1.0
BpchohA	2	482.8	6.28	0.0	0.0	1.0
BpchohC	2	482.8	6.28	0.0	0.0	1.0
CpchohB	2	482.8	6.28	0.0	0.0	1.0
CpchohD	2	482.8	6.28	0.0	0.0	1.0
DpchohC	2	482.8	6.28	0.0	0.0	1.0
DpchohE	2	482.8	6.28	0.0	0.0	1.0
EpchohD	2	482.8	6.28	0.0	0.0	1.0
EpchohF	2	482.8	6.28	0.0	0.0	1.0
FpchohE	2	482.8	6.28	0.0	0.0	1.0
FpchohG	2	482.8	6.28	0.0	0.0	1.0
GpchohF	2	482.8	6.28	0.0	0.0	1.0
pcho-AB	2	482.8	6.28	0.0	0.0	1.0
pcho-BC	2	482.8	6.28	0.0	0.0	1.0
pcho-CD	2	482.8	6.28	0.0	0.0	1.0
pcho-DE	2	482.8	6.28	0.0	0.0	1.0
pcho-EF	2	482.8	6.28	0.0	0.0	1.0
pcho-FG	2	482.8	6.28	0.0	0.0	1.0
pcho-AC	2	482.8	6.28	0.0	0.0	1.0
pcho-AD	2	482.8	6.28	0.0	0.0	1.0



pcho-AE	2	482.8	6.28	0.0	0.0	1.0
pcho-AF	2	482.8	6.28	0.0	0.0	1.0
pcho-BD	2	482.8	6.28	0.0	0.0	1.0
pcho-BE	2	482.8	6.28	0.0	0.0	1.0
pcho-BF	2	482.8	6.28	0.0	0.0	1.0
pcho-BG	2	482.8	6.28	0.0	0.0	1.0
pcho-CE	2	482.8	6.28	0.0	0.0	1.0
pcho-CF	2	482.8	6.28	0.0	0.0	1.0
pcho-CG	2	482.8	6.28	0.0	0.0	1.0
pcho-DF	2	482.8	6.28	0.0	0.0	1.0
pcho-DG	2	482.8	6.28	0.0	0.0	1.0
pcho-EG	2	482.8	6.28	0.0	0.0	1.0
pcho-EI	2	482.8	6.28	0.0	0.0	1.0
pcho-FH	2	482.8	6.28	0.0	0.0	1.0
pcho-EH	2	482.8	6.28	0.0	0.0	1.0
ApchoB	2	482.8	6.28	0.0	0.0	1.0
BpchoA	2	482.8	6.28	0.0	0.0	1.0
ApchoC	2	482.8	6.28	0.0	0.0	1.0
CpchoA	2	482.8	6.28	0.0	0.0	1.0
DpchoA	2	482.8	6.28	0.0	0.0	1.0
ApchoE	2	482.8	6.28	0.0	0.0	1.0
EpchoA	2	482.8	6.28	0.0	0.0	1.0
ApchoF	2	482.8	6.28	0.0	0.0	1.0
FpchoA	2	482.8	6.28	0.0	0.0	1.0
BpchoC	2	482.8	6.28	0.0	0.0	1.0
CpchoB	2	482.8	6.28	0.0	0.0	1.0
DpchoB	2	482.8	6.28	0.0	0.0	1.0
EpchoB	2	482.8	6.28	0.0	0.0	1.0
BpchoE	2	482.8	6.28	0.0	0.0	1.0
BpchoF	2	482.8	6.28	0.0	0.0	1.0
FpchoB	2	482.8	6.28	0.0	0.0	1.0
BpchoG	2	482.8	6.28	0.0	0.0	1.0
GpchoB	2	482.8	6.28	0.0	0.0	1.0
DpchoC	2	482.8	6.28	0.0	0.0	1.0
CpchoE	2	482.8	6.28	0.0	0.0	1.0
EpchoC	2	482.8	6.28	0.0	0.0	1.0
CpchoF	2	482.8	6.28	0.0	0.0	1.0
FpchoC	2	482.8	6.28	0.0	0.0	1.0
CpchoG	2	482.8	6.28	0.0	0.0	1.0
GpchoC	2	482.8	6.28	0.0	0.0	1.0
DpchoE	2	482.8	6.28	0.0	0.0	1.0
DpchoF	2	482.8	6.28	0.0	0.0	1.0
DpchoG	2	482.8	6.28	0.0	0.0	1.0
EpchoF	2	482.8	6.28	0.0	0.0	1.0
FpchoE	2	482.8	6.28	0.0	0.0	1.0
EpchoG	2	482.8	6.28	0.0	0.0	1.0
GpchoE	2	482.8	6.28	0.0	0.0	1.0
EpchoH	2	482.8	6.28	0.0	0.0	1.0
HpchoE	2	482.8	6.28	0.0	0.0	1.0
IpchoE	2	482.8	6.28	0.0	0.0	1.0
FpchoG	2	482.8	6.28	0.0	0.0	1.0
GpchoF	2	482.8	6.28	0.0	0.0	1.0
HpchoF	2	482.8	6.28	0.0	0.0	1.0
pche1	2	482.8	6.28	0.0	0.0	1.0
pche2	2	482.8	6.28	0.0	0.0	1.0
pche3	2	482.8	6.28	0.0	0.0	1.0
pche4	2	482.8	6.28	0.0	0.0	1.0
pche5	2	482.8	6.28	0.0	0.0	1.0
pche6	2	482.8	6.28	0.0	0.0	1.0
Apache2	2	482.8	6.28	0.0	0.0	1.0
Dpche2	2	482.8	6.28	0.0	0.0	1.0

Cpche4	2	482.8	6.28	0.0	0.0	1.0
Dpche5	2	482.8	6.28	0.0	0.0	1.0
Epche6	2	482.8	6.28	0.0	0.0	1.0
Fpche7	2	482.8	6.28	0.0	0.0	1.0
pche2ojA	2	482.8	6.28	0.0	0.0	1.0
pche1ojC	2	482.8	6.28	0.0	0.0	1.0
pche2ojD	2	482.8	6.28	0.0	0.0	1.0
pche3ojB	2	482.8	6.28	0.0	0.0	1.0
pche4ojC	2	482.8	6.28	0.0	0.0	1.0
pche3ojE	2	482.8	6.28	0.0	0.0	1.0
pche4ojF	2	482.8	6.28	0.0	0.0	1.0
pche6ojE	2	482.8	6.28	0.0	0.0	1.0
pche5ojG	2	482.8	6.28	0.0	0.0	1.0
pche7ojF	2	482.8	6.28	0.0	0.0	1.0
Ao2pchohB	2	482.8	6.28	0.0	0.0	1.0
Bo2pchohA	2	482.8	6.28	0.0	0.0	1.0
Bo2pchohC	2	482.8	6.28	0.0	0.0	1.0
Co2pchohB	2	482.8	6.28	0.0	0.0	1.0
Co2pchohD	2	482.8	6.28	0.0	0.0	1.0
Do2pchohC	2	482.8	6.28	0.0	0.0	1.0
Do2pchohE	2	482.8	6.28	0.0	0.0	1.0
Eo2pchohD	2	482.8	6.28	0.0	0.0	1.0
Eo2pchohF	2	482.8	6.28	0.0	0.0	1.0
Fo2pchohE	2	482.8	6.28	0.0	0.0	1.0
Fo2pchohG	2	482.8	6.28	0.0	0.0	1.0
Go2pchohF	2	482.8	6.28	0.0	0.0	1.0
pche1e3	2	482.8	6.28	0.0	0.0	1.0
pche2e4	2	482.8	6.28	0.0	0.0	1.0
pche3e5	2	482.8	6.28	0.0	0.0	1.0
pche4e6	2	482.8	6.28	0.0	0.0	1.0
pche5e7	2	482.8	6.28	0.0	0.0	1.0
DpchqBqE	2	482.8	6.28	0.0	0.0	1.0
FpchqBqE	2	482.8	6.28	0.0	0.0	1.0
GpchqBqE	2	482.8	6.28	0.0	0.0	1.0
IpchqBqE	2	482.8	6.28	0.0	0.0	1.0
DpchqCqE	2	482.8	6.28	0.0	0.0	1.0
FpchqCqE	2	482.8	6.28	0.0	0.0	1.0
GpchqCqE	2	482.8	6.28	0.0	0.0	1.0
HpchqCqE	2	482.8	6.28	0.0	0.0	1.0
IpchqCqE	2	482.8	6.28	0.0	0.0	1.0
DpchqCqF	2	482.8	6.28	0.0	0.0	1.0
EpchqCqF	2	482.8	6.28	0.0	0.0	1.0
GpchqCqF	2	482.8	6.28	0.0	0.0	1.0
HpchqCqF	2	482.8	6.28	0.0	0.0	1.0
IpchqCqF	2	482.8	6.28	0.0	0.0	1.0
ApchqDqF	2	482.8	6.28	0.0	0.0	1.0
BpchqDqF	2	482.8	6.28	0.0	0.0	1.0
CpchqDqF	2	482.8	6.28	0.0	0.0	1.0
GpchqDqF	2	482.8	6.28	0.0	0.0	1.0
HpchqDqF	2	482.8	6.28	0.0	0.0	1.0
BpchqEqG	2	482.8	6.28	0.0	0.0	1.0
CpchqEqG	2	482.8	6.28	0.0	0.0	1.0
DpchqEqG	2	482.8	6.28	0.0	0.0	1.0
FpchqEqG	2	482.8	6.28	0.0	0.0	1.0
HpchqEqG	2	482.8	6.28	0.0	0.0	1.0
IpchqEqG	2	482.8	6.28	0.0	0.0	1.0
BpchqEqH	2	482.8	6.28	0.0	0.0	1.0
CpchqEqH	2	482.8	6.28	0.0	0.0	1.0
DpchqEqH	2	482.8	6.28	0.0	0.0	1.0
FpchqEqH	2	482.8	6.28	0.0	0.0	1.0
GpchqEqH	2	482.8	6.28	0.0	0.0	1.0

IpchqEqH	2	482.8	6.28	0.0	0.0	1.0
BpchqEqI	2	482.8	6.28	0.0	0.0	1.0
CpchqEqI	2	482.8	6.28	0.0	0.0	1.0
GpchqEqI	2	482.8	6.28	0.0	0.0	1.0
CpchqFqH	2	482.8	6.28	0.0	0.0	1.0
DpchqFqH	2	482.8	6.28	0.0	0.0	1.0
EpchqFqH	2	482.8	6.28	0.0	0.0	1.0
Dc6e5oA	2	482.8	6.28	0.0	0.0	1.0
Fc9oAoG	2	482.8	6.28	0.0	0.0	1.0
Fc9oAoH	2	482.8	6.28	0.0	0.0	1.0
MeDc8oCoIrH	2	482.8	6.28	0.0	0.0	1.0
MeDc8oBoIrH	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoFrI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oEoIrA	2	482.8	6.28	0.0	0.0	1.0
Fc9oAoE	2	482.8	6.28	0.0	0.0	1.0
MeEc8oDoIrA	2	482.8	6.28	0.0	0.0	1.0
c9oyAoF	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAoCrI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAoHrI	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoDrI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oCoIrA	2	482.8	6.28	0.0	0.0	1.0
Ac9oBoF	2	482.8	6.28	0.0	0.0	1.0
Ac9oDoF	2	482.8	6.28	0.0	0.0	1.0
Fc9oAoD	2	482.8	6.28	0.0	0.0	1.0
MeEc8oCoIrA	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoCrI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oBoIrA	2	482.8	6.28	0.0	0.0	1.0
Ac9oCoF	2	482.8	6.28	0.0	0.0	1.0
MeEc8oBoIrA	2	482.8	6.28	0.0	0.0	1.0
Fc9oAoC	2	482.8	6.28	0.0	0.0	1.0
c9oAoGqjF	2	482.8	6.28	0.0	0.0	1.0
Hc9oAoGqF	2	482.8	6.28	0.0	0.0	1.0
c9oAoGqFqjH	2	482.8	6.28	0.0	0.0	1.0
c9oAoGoFqH	2	482.8	6.28	0.0	0.0	1.0
c7oyAoBoG	2	482.8	6.28	0.0	0.0	1.0
c6oyAoF	2	482.8	6.28	0.0	0.0	1.0
Ec5oA	2	482.8	6.28	0.0	0.0	1.0
c5oAqjE	2	482.8	6.28	0.0	0.0	1.0
Cc5oAqE	2	482.8	6.28	0.0	0.0	1.0
Bc5oAqE	2	482.8	6.28	0.0	0.0	1.0
c5oAqEqjC	2	482.8	6.28	0.0	0.0	1.0
c5oAqEqjB	2	482.8	6.28	0.0	0.0	1.0
c5oAoEqC	2	482.8	6.28	0.0	0.0	1.0
c5oAoEqB	2	482.8	6.28	0.0	0.0	1.0
Ac7oBoG	2	482.8	6.28	0.0	0.0	1.0
c7oBoGqjA	2	482.8	6.28	0.0	0.0	1.0
Cc7oBoGqA	2	482.8	6.28	0.0	0.0	1.0
Dc7oBoGqA	2	482.8	6.28	0.0	0.0	1.0
c7oBoGqAqjC	2	482.8	6.28	0.0	0.0	1.0
c7oBoGqAqjD	2	482.8	6.28	0.0	0.0	1.0
c7oAoBoGqC	2	482.8	6.28	0.0	0.0	1.0
c7oAoBoGqD	2	482.8	6.28	0.0	0.0	1.0
EtDc7oEoIqjA	2	482.8	6.28	0.0	0.0	1.0
CEtDc7oEoIqA	2	482.8	6.28	0.0	0.0	1.0
DEtDc7oEoIqA	2	482.8	6.28	0.0	0.0	1.0
EtDc7oEoIqAqjC	2	482.8	6.28	0.0	0.0	1.0
EtDc7oEoIqAqjD	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAoEoIqC	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAoEoIqD	2	482.8	6.28	0.0	0.0	1.0
Cc6oAoD	2	482.8	6.28	0.0	0.0	1.0
MeCc6oAoDoG	2	482.8	6.28	0.0	0.0	1.0

MeCc6oyAoDoG	2	482.8	6.28	0.0	0.0	1.0
MeCc6oAoDoyG	2	482.8	6.28	0.0	0.0	1.0
c6oAoCoF	2	482.8	6.28	0.0	0.0	1.0
c6oyAoCoF	2	482.8	6.28	0.0	0.0	1.0
c6oAoCoyF	2	482.8	6.28	0.0	0.0	1.0
Ec5oAoD	2	482.8	6.28	0.0	0.0	1.0
Ec5oAoC	2	482.8	6.28	0.0	0.0	1.0
MeBc5oAoCrF	2	482.8	6.28	0.0	0.0	1.0
c9oAoCqjF	2	482.8	6.28	0.0	0.0	1.0
Dc9oAoCqF	2	482.8	6.28	0.0	0.0	1.0
c9oAoCqFqjD	2	482.8	6.28	0.0	0.0	1.0
c9oAoCoFqD	2	482.8	6.28	0.0	0.0	1.0
c6oAoC	2	482.8	6.28	0.0	0.0	1.0
c6oyAoC	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoCqjI	2	482.8	6.28	0.0	0.0	1.0
DMeEc8oAoCqI	2	482.8	6.28	0.0	0.0	1.0
GMeEc8oAoCqI	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoCqIqjD	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoCqIqjG	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoCoIqD	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoCoIqG	2	482.8	6.28	0.0	0.0	1.0
MeBc5oAoF	2	482.8	6.28	0.0	0.0	1.0
MeBc5oyAoF	2	482.8	6.28	0.0	0.0	1.0
c9oDoFqjA	2	482.8	6.28	0.0	0.0	1.0
Cc9oDoFqA	2	482.8	6.28	0.0	0.0	1.0
c9oDoFqAqjC	2	482.8	6.28	0.0	0.0	1.0
c9oAoDoFqC	2	482.8	6.28	0.0	0.0	1.0
EtDc7oArI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAqjI	2	482.8	6.28	0.0	0.0	1.0
DEtDc7oAqI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAqIqjD	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAoIqD	2	482.8	6.28	0.0	0.0	1.0
c7oAoD	2	482.8	6.28	0.0	0.0	1.0
c7oyAoD	2	482.8	6.28	0.0	0.0	1.0
EtDc7oIrA	2	482.8	6.28	0.0	0.0	1.0
EtDc7oIqjA	2	482.8	6.28	0.0	0.0	1.0
CEtDc7oIqA	2	482.8	6.28	0.0	0.0	1.0
DEtDc7oIqA	2	482.8	6.28	0.0	0.0	1.0
EtDc7oIqAqjC	2	482.8	6.28	0.0	0.0	1.0
EtDc7oIqAqjD	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAoIqC	2	482.8	6.28	0.0	0.0	1.0
MeEc8oArI	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAqjI	2	482.8	6.28	0.0	0.0	1.0
DMeEc8oAqI	2	482.8	6.28	0.0	0.0	1.0
FMeEc8oAqI	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAqIqjD	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAqIqjF	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoIqD	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoIqF	2	482.8	6.28	0.0	0.0	1.0
MeCc6oAoG	2	482.8	6.28	0.0	0.0	1.0
MeCc6oyAoG	2	482.8	6.28	0.0	0.0	1.0
MeCc6oAoyG	2	482.8	6.28	0.0	0.0	1.0
Bc6oAoF	2	482.8	6.28	0.0	0.0	1.0
MeEc8oIrA	2	482.8	6.28	0.0	0.0	1.0
Fc9oA	2	482.8	6.28	0.0	0.0	1.0
MeEc8oIqjA	2	482.8	6.28	0.0	0.0	1.0
CMeEc8oIqA	2	482.8	6.28	0.0	0.0	1.0
DMeEc8oIqA	2	482.8	6.28	0.0	0.0	1.0
MeEc8oIqAqjC	2	482.8	6.28	0.0	0.0	1.0
MeEc8oIqAqjD	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoIqC	2	482.8	6.28	0.0	0.0	1.0

c9oAqjF	2	482.8	6.28	0.0	0.0	1.0
Cc9oAqF	2	482.8	6.28	0.0	0.0	1.0
Dc9oAqF	2	482.8	6.28	0.0	0.0	1.0
Hc9oAqF	2	482.8	6.28	0.0	0.0	1.0
c9oAqFqjC	2	482.8	6.28	0.0	0.0	1.0
c9oAqFqjD	2	482.8	6.28	0.0	0.0	1.0
c9oAqFqjH	2	482.8	6.28	0.0	0.0	1.0
c9oAoFqC	2	482.8	6.28	0.0	0.0	1.0
c9oAoFqD	2	482.8	6.28	0.0	0.0	1.0
c9oAoFqH	2	482.8	6.28	0.0	0.0	1.0
MeBc5oArF	2	482.8	6.28	0.0	0.0	1.0
pchoBqjE	2	482.8	6.28	0.0	0.0	1.0
CpchoBqE	2	482.8	6.28	0.0	0.0	1.0
pchoBqEqjC	2	482.8	6.28	0.0	0.0	1.0
pchoBoEqC	2	482.8	6.28	0.0	0.0	1.0
pchoEqjB	2	482.8	6.28	0.0	0.0	1.0
DpchoEqB	2	482.8	6.28	0.0	0.0	1.0
pchoEqBqjD	2	482.8	6.28	0.0	0.0	1.0
pchoBoEqD	2	482.8	6.28	0.0	0.0	1.0
c7e6oA	2	482.8	6.28	0.0	0.0	1.0
Ec7e6oA	2	482.8	6.28	0.0	0.0	1.0
c5e4oB	2	482.8	6.28	0.0	0.0	1.0
Cc5e4oB	2	482.8	6.28	0.0	0.0	1.0
c7e6oAoE	2	482.8	6.28	0.0	0.0	1.0
c7e6oyAoE	2	482.8	6.28	0.0	0.0	1.0
Dc7oA	2	482.8	6.28	0.0	0.0	1.0
c7e3oA	2	482.8	6.28	0.0	0.0	1.0
c7e4oyA	2	482.8	6.28	0.0	0.0	1.0
Cc5e4oA	2	482.8	6.28	0.0	0.0	1.0
c6e5oAo4	2	482.8	6.28	0.0	0.0	1.0
c6e5oyAo4	2	482.8	6.28	0.0	0.0	1.0
c5e4oAoC	2	482.8	6.28	0.0	0.0	1.0
c5e4oyAoC	2	482.8	6.28	0.0	0.0	1.0
c6alCco	2	482.8	6.28	0.0	0.0	1.0
MeCc6oBoGrA	2	482.8	6.28	0.0	0.0	1.0
c7e6oAoD	2	482.8	6.28	0.0	0.0	1.0
c7e6oyAoD	2	482.8	6.28	0.0	0.0	1.0
c9e5oAoD	2	482.8	6.28	0.0	0.0	1.0
c9e5oyAoD	2	482.8	6.28	0.0	0.0	1.0
c9e6oAoD	2	482.8	6.28	0.0	0.0	1.0
c9e6oyAoD	2	482.8	6.28	0.0	0.0	1.0
Ac8e5oC	2	482.8	6.28	0.0	0.0	1.0
c6e5oAoC	2	482.8	6.28	0.0	0.0	1.0
c6e5oyAoC	2	482.8	6.28	0.0	0.0	1.0
Gic7al	2	482.8	6.28	0.0	0.0	1.0
Ac6oC	2	482.8	6.28	0.0	0.0	1.0
Gpc7al	2	482.8	6.28	0.0	0.0	1.0
Bc5oA	2	482.8	6.28	0.0	0.0	1.0
ch2coch2hco	2	482.8	6.28	0.0	0.0	1.0
c7e6oAoC	2	482.8	6.28	0.0	0.0	1.0
c7e6oyAoC	2	482.8	6.28	0.0	0.0	1.0
Cc6oA	2	482.8	6.28	0.0	0.0	1.0
Ipc9oAoB	2	482.8	6.28	0.0	0.0	1.0
c2h4cohco	2	482.8	6.28	0.0	0.0	1.0
c6e5oAoB	2	482.8	6.28	0.0	0.0	1.0
c6e5oyAoB	2	482.8	6.28	0.0	0.0	1.0
Bc5oAoC	2	482.8	6.28	0.0	0.0	1.0
Ac7oD	2	482.8	6.28	0.0	0.0	1.0
Ac7oBoD	2	482.8	6.28	0.0	0.0	1.0
Ec7e6oAoB	2	482.8	6.28	0.0	0.0	1.0
chxoAoC	2	482.8	6.28	0.0	0.0	1.0

chxoAoD	2	482.8	6.28	0.0	0.0	1.0
BchxoAoC	2	482.8	6.28	0.0	0.0	1.0
DchxoAoC	2	482.8	6.28	0.0	0.0	1.0
c6oAoBoyF	2	482.8	6.28	0.0	0.0	1.0
Ec5oAoB	2	482.8	6.28	0.0	0.0	1.0
Fc6eloCoE	2	482.8	6.28	0.0	0.0	1.0
DchxoqB	2	482.8	6.28	0.0	0.0	1.0
chxoqBqjD	2	482.8	6.28	0.0	0.0	1.0
chxoAoBojD	2	482.8	6.28	0.0	0.0	1.0
chxoAoBqD	2	482.8	6.28	0.0	0.0	1.0
Fc6oAoDoE	2	482.8	6.28	0.0	0.0	1.0
Fc6oAoCoD	2	482.8	6.28	0.0	0.0	1.0
FpchgDqE	2	482.8	6.28	0.0	0.0	1.0
pche5qD	2	482.8	6.28	0.0	0.0	1.0
pche5ojD	2	482.8	6.28	0.0	0.0	1.0
c9elqAoF	2	482.8	6.28	0.0	0.0	1.0
c9elojAoF	2	482.8	6.28	0.0	0.0	1.0
Dc5oBohE	2	482.8	6.28	0.0	0.0	1.0
c5oBqjDohE	2	482.8	6.28	0.0	0.0	1.0
c4oAoC	2	482.8	6.28	0.0	0.0	1.0
c4oyAoC	2	482.8	6.28	0.0	0.0	1.0
Fc9elqDqF	2	482.8	6.28	0.0	0.0	1.0
Iic9elqDqI	2	482.8	6.28	0.0	0.0	1.0
c9eloFqD	2	482.8	6.28	0.0	0.0	1.0
c9eloFojD	2	482.8	6.28	0.0	0.0	1.0
EtDc7eloIqD	2	482.8	6.28	0.0	0.0	1.0
EtDc7eloIoD	2	482.8	6.28	0.0	0.0	1.0
c7eloD	2	482.8	6.28	0.0	0.0	1.0
Cc7eloD	2	482.8	6.28	0.0	0.0	1.0
Ipche4e6	2	482.8	6.28	0.0	0.0	1.0
Dpche5e7	2	482.8	6.28	0.0	0.0	1.0
Ipche5e7	2	482.8	6.28	0.0	0.0	1.0
BchxoAoD	2	482.8	6.28	0.0	0.0	1.0
chxe2oAoD	2	482.8	6.28	0.0	0.0	1.0
Echxe2oAoD	2	482.8	6.28	0.0	0.0	1.0
c6eloCoyF	2	482.8	6.28	0.0	0.0	1.0
c6e2e5oyAoD	2	482.8	6.28	0.0	0.0	1.0
Ic9oAoD	2	482.8	6.28	0.0	0.0	1.0
Gc7oAoD	2	482.8	6.28	0.0	0.0	1.0
Ic9oBoD	2	482.8	6.28	0.0	0.0	1.0
Gc7oBoD	2	482.8	6.28	0.0	0.0	1.0
Ac5oBoD	2	482.8	6.28	0.0	0.0	1.0
MeDc6oBoGrF	2	482.8	6.28	0.0	0.0	1.0
Bc5oAoD	2	482.8	6.28	0.0	0.0	1.0
MeEc8eloIqG	2	482.8	6.28	0.0	0.0	1.0
MeEc8eloIoD	2	482.8	6.28	0.0	0.0	1.0
MeEc6eloGrF	2	482.8	6.28	0.0	0.0	1.0
Fc9elqEqH	2	482.8	6.28	0.0	0.0	1.0
c9ele5qH	2	482.8	6.28	0.0	0.0	1.0
c9ele5ojH	2	482.8	6.28	0.0	0.0	1.0
c7ele6qC	2	482.8	6.28	0.0	0.0	1.0
c7ele6ojC	2	482.8	6.28	0.0	0.0	1.0
Cc7h11-16	2	482.8	6.28	0.0	0.0	1.0
c9e5oAqH	2	482.8	6.28	0.0	0.0	1.0
c9e5oAojH	2	482.8	6.28	0.0	0.0	1.0
HpchgBqE	2	482.8	6.28	0.0	0.0	1.0
pche4qB	2	482.8	6.28	0.0	0.0	1.0
pche4ojB	2	482.8	6.28	0.0	0.0	1.0
mchelqC	2	482.8	6.28	0.0	0.0	1.0
mchelojC	2	482.8	6.28	0.0	0.0	1.0
MeBc4eloErD	2	482.8	6.28	0.0	0.0	1.0

ch2ccho	2	482.8	6.28	0.0	0.0	1.0
pche5qB	2	482.8	6.28	0.0	0.0	1.0
pche5ojB	2	482.8	6.28	0.0	0.0	1.0
Amche3	2	482.8	6.28	0.0	0.0	1.0
Gc7e1e3	2	482.8	6.28	0.0	0.0	1.0
Fc9e1qAqH	2	482.8	6.28	0.0	0.0	1.0
c7e1e6qA	2	482.8	6.28	0.0	0.0	1.0
Bc7e6oA	2	482.8	6.28	0.0	0.0	1.0
Ic9oCoD	2	482.8	6.28	0.0	0.0	1.0
Gc7oCoD	2	482.8	6.28	0.0	0.0	1.0
Ac5oBoC	2	482.8	6.28	0.0	0.0	1.0
MeDc6oCoGrF	2	482.8	6.28	0.0	0.0	1.0
MeEc8e1oIqF	2	482.8	6.28	0.0	0.0	1.0
MeEc8e1oIoJF	2	482.8	6.28	0.0	0.0	1.0
Bc6e5oA	2	482.8	6.28	0.0	0.0	1.0
chxelqC	2	482.8	6.28	0.0	0.0	1.0
chxelojC	2	482.8	6.28	0.0	0.0	1.0
chchhco	2	482.8	6.28	0.0	0.0	1.0
c9e5oAqG	2	482.8	6.28	0.0	0.0	1.0
c9e5oAojG	2	482.8	6.28	0.0	0.0	1.0
c7e2oAoG	2	482.8	6.28	0.0	0.0	1.0
c7e2oyAoG	2	482.8	6.28	0.0	0.0	1.0
c7e2oAoyG	2	482.8	6.28	0.0	0.0	1.0
c7e1oAoG	2	482.8	6.28	0.0	0.0	1.0
c7e1oAoyG	2	482.8	6.28	0.0	0.0	1.0
Fc6e1oA	2	482.8	6.28	0.0	0.0	1.0
Dc4e1oA	2	482.8	6.28	0.0	0.0	1.0
Fc9e1qEqG	2	482.8	6.28	0.0	0.0	1.0
c9e1e6qE	2	482.8	6.28	0.0	0.0	1.0
c9e1e6ojE	2	482.8	6.28	0.0	0.0	1.0
c9e1e5qG	2	482.8	6.28	0.0	0.0	1.0
c9e1e5ojG	2	482.8	6.28	0.0	0.0	1.0
c7e2e6oA	2	482.8	6.28	0.0	0.0	1.0
c7e2e6oyA	2	482.8	6.28	0.0	0.0	1.0
c5e2oA	2	482.8	6.28	0.0	0.0	1.0
c5e2oyA	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1qEqHrI	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1e8qE	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1e8ojE	2	482.8	6.28	0.0	0.0	1.0
MeCc6oAoDrG	2	482.8	6.28	0.0	0.0	1.0
pche3qF	2	482.8	6.28	0.0	0.0	1.0
pche3ojF	2	482.8	6.28	0.0	0.0	1.0
MeEc8e5oArI	2	482.8	6.28	0.0	0.0	1.0
EtDc7e4oIra	2	482.8	6.28	0.0	0.0	1.0
MeEc7e6e8oA	2	482.8	6.28	0.0	0.0	1.0
MeEc7e6e8oyA	2	482.8	6.28	0.0	0.0	1.0
MeCc6e3oArG	2	482.8	6.28	0.0	0.0	1.0
MeCc6e1e7rF	2	482.8	6.28	0.0	0.0	1.0
MeCc5e4e5oA	2	482.8	6.28	0.0	0.0	1.0
MeCc5e4e5oyA	2	482.8	6.28	0.0	0.0	1.0
MeEc8e8oAqF	2	482.8	6.28	0.0	0.0	1.0
MeEc8e8oAojF	2	482.8	6.28	0.0	0.0	1.0
Ec6e5oA	2	482.8	6.28	0.0	0.0	1.0
MeBc6e7oAoF	2	482.8	6.28	0.0	0.0	1.0
MeBc6e7oAoyF	2	482.8	6.28	0.0	0.0	1.0
MeBc6e7oyAoF	2	482.8	6.28	0.0	0.0	1.0
MeBc5e6oArE	2	482.8	6.28	0.0	0.0	1.0
ic3h4hco	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1oIqE	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1oIoJE	2	482.8	6.28	0.0	0.0	1.0
MeCc6e5oAoG	2	482.8	6.28	0.0	0.0	1.0

MeCc6e5oyAoG	2	482.8	6.28	0.0	0.0	1.0
MeCc6e5oAoyG	2	482.8	6.28	0.0	0.0	1.0
MeBc5e4oArF	2	482.8	6.28	0.0	0.0	1.0
Cc6e5oA	2	482.8	6.28	0.0	0.0	1.0
Dc7oAoC	2	482.8	6.28	0.0	0.0	1.0
c3h7chco	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oAqC	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oAojC	2	482.8	6.28	0.0	0.0	1.0
c9e5oAqC	2	482.8	6.28	0.0	0.0	1.0
c9e5oAojC	2	482.8	6.28	0.0	0.0	1.0
MeCc6eloG	2	482.8	6.28	0.0	0.0	1.0
MeCc6eloyG	2	482.8	6.28	0.0	0.0	1.0
c7e3oyA	2	482.8	6.28	0.0	0.0	1.0
chxoAqC	2	482.8	6.28	0.0	0.0	1.0
chxoAojC	2	482.8	6.28	0.0	0.0	1.0
Fc6oAoC	2	482.8	6.28	0.0	0.0	1.0
Fc6oAoE	2	482.8	6.28	0.0	0.0	1.0
AmchqBqD	2	482.8	6.28	0.0	0.0	1.0
mche1qD	2	482.8	6.28	0.0	0.0	1.0
mche1ojD	2	482.8	6.28	0.0	0.0	1.0
MeEc6e5oArG	2	482.8	6.28	0.0	0.0	1.0
MeCc6e7oArF	2	482.8	6.28	0.0	0.0	1.0
MeCc4e3oArE	2	482.8	6.28	0.0	0.0	1.0
pche6qD	2	482.8	6.28	0.0	0.0	1.0
pche6ojD	2	482.8	6.28	0.0	0.0	1.0
Ac9e2oF	2	482.8	6.28	0.0	0.0	1.0
Ac9e3oF	2	482.8	6.28	0.0	0.0	1.0
Ac7eloD	2	482.8	6.28	0.0	0.0	1.0
Ic9e3oA	2	482.8	6.28	0.0	0.0	1.0
Gc7e3oA	2	482.8	6.28	0.0	0.0	1.0
Ic9e4oA	2	482.8	6.28	0.0	0.0	1.0
MeDc8e9oArH	2	482.8	6.28	0.0	0.0	1.0
MeDc6e7oArF	2	482.8	6.28	0.0	0.0	1.0
Dc5e4oA	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oArG	2	482.8	6.28	0.0	0.0	1.0
Gc7e4oA	2	482.8	6.28	0.0	0.0	1.0
Ec5e4oA	2	482.8	6.28	0.0	0.0	1.0
MeDc6e5oArG	2	482.8	6.28	0.0	0.0	1.0
Dc9e8oA	2	482.8	6.28	0.0	0.0	1.0
EtDc7e6oArI	2	482.8	6.28	0.0	0.0	1.0
Dc7e6oA	2	482.8	6.28	0.0	0.0	1.0
Gc7e1oE	2	482.8	6.28	0.0	0.0	1.0
Ic9e3oB	2	482.8	6.28	0.0	0.0	1.0
Gc7e3oB	2	482.8	6.28	0.0	0.0	1.0
MeDc8e9oBrH	2	482.8	6.28	0.0	0.0	1.0
MeDc6e7oBrF	2	482.8	6.28	0.0	0.0	1.0
Dc5e4oB	2	482.8	6.28	0.0	0.0	1.0
Ic9e4oB	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oBrG	2	482.8	6.28	0.0	0.0	1.0
Gc7e4oB	2	482.8	6.28	0.0	0.0	1.0
Ec5e4oB	2	482.8	6.28	0.0	0.0	1.0
MeDc6e5oBrG	2	482.8	6.28	0.0	0.0	1.0
Dc9e8oB	2	482.8	6.28	0.0	0.0	1.0
EtDc7e6oBrI	2	482.8	6.28	0.0	0.0	1.0
Dc7e6oB	2	482.8	6.28	0.0	0.0	1.0
MeDc8e7oBrI	2	482.8	6.28	0.0	0.0	1.0
MeDc8e9oCrH	2	482.8	6.28	0.0	0.0	1.0
MeCc6e7oDrA	2	482.8	6.28	0.0	0.0	1.0
Bc5e1oC	2	482.8	6.28	0.0	0.0	1.0
echeloD	2	482.8	6.28	0.0	0.0	1.0
c9e6oyA	2	482.8	6.28	0.0	0.0	1.0



Ic9e3oE	2	482.8	6.28	0.0	0.0	1.0
Hc8h15-3	2	482.8	6.28	0.0	0.0	1.0
Ac7e4oC	2	482.8	6.28	0.0	0.0	1.0
Ic9e4oC	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oCrH	2	482.8	6.28	0.0	0.0	1.0
Gc7e4oC	2	482.8	6.28	0.0	0.0	1.0
Ac5e1oC	2	482.8	6.28	0.0	0.0	1.0
MeCc6e1oDrG	2	482.8	6.28	0.0	0.0	1.0
Ac9e6oB	2	482.8	6.28	0.0	0.0	1.0
Gc7h13-3	2	482.8	6.28	0.0	0.0	1.0
Ac9e6oD	2	482.8	6.28	0.0	0.0	1.0
Ac7e4oB	2	482.8	6.28	0.0	0.0	1.0
EtDc7e6oCrI	2	482.8	6.28	0.0	0.0	1.0
Dc9e8oC	2	482.8	6.28	0.0	0.0	1.0
Dc7e1oE	2	482.8	6.28	0.0	0.0	1.0
echeloF	2	482.8	6.28	0.0	0.0	1.0
Ac9e6oC	2	482.8	6.28	0.0	0.0	1.0
MeDc8e7oCrI	2	482.8	6.28	0.0	0.0	1.0
MeEc8e9oDrA	2	482.8	6.28	0.0	0.0	1.0
MeCc6e7oBrA	2	482.8	6.28	0.0	0.0	1.0
mcheloD	2	482.8	6.28	0.0	0.0	1.0
MeEc8e9oCrA	2	482.8	6.28	0.0	0.0	1.0
MeEc8e9oyA	2	482.8	6.28	0.0	0.0	1.0
MeCc6e7oyA	2	482.8	6.28	0.0	0.0	1.0
MeBc5e1rF	2	482.8	6.28	0.0	0.0	1.0
MeDc7e8rA	2	482.8	6.28	0.0	0.0	1.0
mcheloE	2	482.8	6.28	0.0	0.0	1.0
MeEc8e9oBrH	2	482.8	6.28	0.0	0.0	1.0
Ac9e5oC	2	482.8	6.28	0.0	0.0	1.0
MeEc6e5oBrG	2	482.8	6.28	0.0	0.0	1.0
Ac9e5oD	2	482.8	6.28	0.0	0.0	1.0
Ac7e3oB	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1oCrI	2	482.8	6.28	0.0	0.0	1.0
Dc7e1oC	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oyA	2	482.8	6.28	0.0	0.0	1.0
EtCc6e1rH	2	482.8	6.28	0.0	0.0	1.0
MeEc8e1oDrI	2	482.8	6.28	0.0	0.0	1.0
MeEc8e1oyI	2	482.8	6.28	0.0	0.0	1.0
c6e1e5oC	2	482.8	6.28	0.0	0.0	1.0
Ec8h15-1	2	482.8	6.28	0.0	0.0	1.0
Ac9e5oB	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oBrA	2	482.8	6.28	0.0	0.0	1.0
MeCc6e1rG	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1oHrI	2	482.8	6.28	0.0	0.0	1.0
Fc9e1oE	2	482.8	6.28	0.0	0.0	1.0
c7e1e6oC	2	482.8	6.28	0.0	0.0	1.0
c9e5oyA	2	482.8	6.28	0.0	0.0	1.0
EtDc7e9oCrA	2	482.8	6.28	0.0	0.0	1.0
Ac8h15-4	2	482.8	6.28	0.0	0.0	1.0
EtBc5e7oyA	2	482.8	6.28	0.0	0.0	1.0
Fc9e1oC	2	482.8	6.28	0.0	0.0	1.0
MeEc8e1oCrI	2	482.8	6.28	0.0	0.0	1.0
EtDc7e1oyI	2	482.8	6.28	0.0	0.0	1.0
MeDc7e1rH	2	482.8	6.28	0.0	0.0	1.0
Fc9e1oD	2	482.8	6.28	0.0	0.0	1.0
c7e1e6oD	2	482.8	6.28	0.0	0.0	1.0
ch2cco	2	482.8	6.28	0.0	0.0	1.0
EtDc7e3oIrG	2	482.8	6.28	0.0	0.0	1.0
Etall	2	482.8	6.28	0.0	0.0	1.0
EpchqDqB	2	482.8	6.28	0.0	0.0	1.0
Fc6e1e4	2	482.8	6.28	0.0	0.0	1.0

mchelqDqF	2	482.8	6.28	0.0	0.0	1.0
mchelqDojF	2	482.8	6.28	0.0	0.0	1.0
MeEc8e9oAqC	2	482.8	6.28	0.0	0.0	1.0
MeEc6e5oAqCrG	2	482.8	6.28	0.0	0.0	1.0
Dc4oAqC	2	482.8	6.28	0.0	0.0	1.0
MeCc6e7oAqErF	2	482.8	6.28	0.0	0.0	1.0
MeCc6e5e7oA	2	482.8	6.28	0.0	0.0	1.0
MeCc6e5e7oyA	2	482.8	6.28	0.0	0.0	1.0
MeBc5ele4rF	2	482.8	6.28	0.0	0.0	1.0
MeEc8e9oAojC	2	482.8	6.28	0.0	0.0	1.0
MeCc6e7oA	2	482.8	6.28	0.0	0.0	1.0
Ic9e3qFqH	2	482.8	6.28	0.0	0.0	1.0
c9ele6qD	2	482.8	6.28	0.0	0.0	1.0
c9ele6ojD	2	482.8	6.28	0.0	0.0	1.0
c6e3oA	2	482.8	6.28	0.0	0.0	1.0
c6e3oyA	2	482.8	6.28	0.0	0.0	1.0
BchxqAqC	2	482.8	6.28	0.0	0.0	1.0
c9e6oAqE	2	482.8	6.28	0.0	0.0	1.0
c9e6oAojE	2	482.8	6.28	0.0	0.0	1.0
MeEc8eloIqD	2	482.8	6.28	0.0	0.0	1.0
MeEc8eloIoJD	2	482.8	6.28	0.0	0.0	1.0
pche5qH	2	482.8	6.28	0.0	0.0	1.0
pche5ojH	2	482.8	6.28	0.0	0.0	1.0
EtDc7eloIrC	2	482.8	6.28	0.0	0.0	1.0
pche4qH	2	482.8	6.28	0.0	0.0	1.0
pche4ojH	2	482.8	6.28	0.0	0.0	1.0
MeEc8e9oArD	2	482.8	6.28	0.0	0.0	1.0
c9e6oAqD	2	482.8	6.28	0.0	0.0	1.0
c9e6oAojD	2	482.8	6.28	0.0	0.0	1.0
BchxqAqD	2	482.8	6.28	0.0	0.0	1.0
chxelqD	2	482.8	6.28	0.0	0.0	1.0
chxelojD	2	482.8	6.28	0.0	0.0	1.0
ac3h4hco1	2	482.8	6.28	0.0	0.0	1.0
pche6qI	2	482.8	6.28	0.0	0.0	1.0
pche6ojI	2	482.8	6.28	0.0	0.0	1.0
MeEc8eloIrC	2	482.8	6.28	0.0	0.0	1.0
pche5qI	2	482.8	6.28	0.0	0.0	1.0
pche5ojI	2	482.8	6.28	0.0	0.0	1.0
Fc9e4oA	2	482.8	6.28	0.0	0.0	1.0
c7e4e6oA	2	482.8	6.28	0.0	0.0	1.0
c7e4e6oyA	2	482.8	6.28	0.0	0.0	1.0
Ec6h9-13	2	482.8	6.28	0.0	0.0	1.0
AchxqBqD	2	482.8	6.28	0.0	0.0	1.0
c9e6oAqC	2	482.8	6.28	0.0	0.0	1.0
c9e6oAojC	2	482.8	6.28	0.0	0.0	1.0
c7e4oA	2	482.8	6.28	0.0	0.0	1.0
chxelqjC	2	482.8	6.28	0.0	0.0	1.0
EchxelqC	2	482.8	6.28	0.0	0.0	1.0
chxelqCqjE	2	482.8	6.28	0.0	0.0	1.0
chxelocqE	2	482.8	6.28	0.0	0.0	1.0
chxelocojE	2	482.8	6.28	0.0	0.0	1.0
c6e2e5oA	2	482.8	6.28	0.0	0.0	1.0
c6e2e5oyA	2	482.8	6.28	0.0	0.0	1.0
c8h15hco	2	482.8	6.28	0.0	0.0	1.0
c8h15co	2	482.8	6.28	0.0	0.0	1.0
c9oAoF	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoI	2	482.8	6.28	0.0	0.0	1.0
MeEc8oyAoI	2	482.8	6.28	0.0	0.0	1.0
MeEc8oAoyI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oAoI	2	482.8	6.28	0.0	0.0	1.0
EtDc7oyAoI	2	482.8	6.28	0.0	0.0	1.0

EtDc7oAoyI	2	482.8	6.28	0.0	0.0	1.0
c9e8oD	2	482.8	6.28	0.0	0.0	1.0
Hc8oD	2	482.8	6.28	0.0	0.0	1.0
MeDc7oHrA	2	482.8	6.28	0.0	0.0	1.0
Ec8oA	2	482.8	6.28	0.0	0.0	1.0
EtCc6oArH	2	482.8	6.28	0.0	0.0	1.0
MeDc7oArH	2	482.8	6.28	0.0	0.0	1.0
VINacrol	2	482.8	6.28	0.0	0.0	1.0
c5oAoE	2	482.8	6.28	0.0	0.0	1.0
c5oyAoE	2	482.8	6.28	0.0	0.0	1.0
eche1	2	482.8	6.28	0.0	0.0	1.0
P2c4h614	2	482.8	6.28	0.0	0.0	1.0
ech	2	482.8	6.28	0.0	0.0	1.0
ch2ch2ch2hco	2	482.8	6.28	0.0	0.0	1.0
Ac5oB	2	482.8	6.28	0.0	0.0	1.0
P2c4h513	2	482.8	6.28	0.0	0.0	1.0
eche1e3	2	482.8	6.28	0.0	0.0	1.0
c2h3coc2h4	2	482.8	6.28	0.0	0.0	1.0
AechoE	2	482.8	6.28	0.0	0.0	1.0
AechoB	2	482.8	6.28	0.0	0.0	1.0
etvinket	2	482.8	6.28	0.0	0.0	1.0
echeloE	2	482.8	6.28	0.0	0.0	1.0
echA	2	482.8	6.28	0.0	0.0	1.0
echoA	2	482.8	6.28	0.0	0.0	1.0
divinket	2	482.8	6.28	0.0	0.0	1.0
choch2ch2cho	2	482.8	6.28	0.0	0.0	1.0
choch2ch2co	2	482.8	6.28	0.0	0.0	1.0
echoyA	2	482.8	6.28	0.0	0.0	1.0
pc2h4coc2h3	2	482.8	6.28	0.0	0.0	1.0
nc3h7coch2	2	482.8	6.28	0.0	0.0	1.0
Aechel	2	482.8	6.28	0.0	0.0	1.0
echoAoD	2	482.8	6.28	0.0	0.0	1.0
eche2oA	2	482.8	6.28	0.0	0.0	1.0
echoyAoD	2	482.8	6.28	0.0	0.0	1.0
c2h5coc2h3	2	482.8	6.28	0.0	0.0	1.0
vinacrol	2	482.8	6.28	0.0	0.0	1.0
Mec8oor	2	482.8	6.28	0.0	0.0	1.0
Cechel	2	482.8	6.28	0.0	0.0	1.0
AechoD	2	482.8	6.28	0.0	0.0	1.0
pchoA	2	482.8	6.28	0.0	0.0	1.0
pchoyA	2	482.8	6.28	0.0	0.0	1.0
pchoB	2	482.8	6.28	0.0	0.0	1.0
pchoC	2	482.8	6.28	0.0	0.0	1.0
pchoE	2	482.8	6.28	0.0	0.0	1.0
pchoF	2	482.8	6.28	0.0	0.0	1.0
pchoG	2	482.8	6.28	0.0	0.0	1.0