

## Appendix A

Proposed Amendments to the Tables of Maximum  
Incremental Reactivity (MIR) Values, sections 94700 and  
94701, title 17, California Code of Regulations

# PROPOSED REGULATION ORDER

## PROPOSED AMENDMENTS TO THE TABLES OF MAXIMUM INCREMENTAL REACTIVITY (MIR) VALUES

Amend sections 94700 and 94701, title 17, California Code of Regulations, to read as follows:

### Notes:

- 1) The proposed amendments are shown in underline to indicate additions and ~~strikeout~~ to show deletions. The effective date of the New MIR Values will be 30 days after the amendments are approved by the Office of Administrative Law.
- 2) In general, the table with underlining for section 94700 includes the same compounds listed in the ~~strikeout~~ version, as well as several new compounds. The new table has been re-ordered to list compounds by chemical class. The 2001 MIR values for existing compounds were not changed. However, a few compounds listed in the old table were found to be listed erroneously.

### SUBCHAPTER 8.6 Maximum Incremental Reactivity

#### Article 1. Tables of Maximum Incremental Reactivity (MIR) Values

##### § 94700. MIR Values for Compounds.

<i><del>Organic Compound</del></i>	<i><del>MIR Value (July 18, 2001)</del></i>	<i><u>New MIR Value (Effective Date)</u></i>
Carbon Monoxide	0.06	<u>0.06</u>
Methane	0.01	<u>0.01</u>
Ethane	0.31	<u>0.31</u>
Propane	0.56	<u>0.56</u>
<del>n-Butane</del>	1.33	<u>1.33</u>
<del>n-Pentane</del>	1.54	<u>1.54</u>
<del>n-Hexane</del>	1.45	<u>1.45</u>
<del>n-Heptane</del>	1.28	<u>1.28</u>
<del>n-Octane</del>	1.11	<u>1.11</u>
<del>n-Nonane</del>	0.95	<u>0.95</u>
<del>n-Decane</del>	0.83	<u>0.83</u>
<del>n-Undecane</del>	0.74	<u>0.74</u>
<del>n-Dodecane</del>	0.66	<u>0.66</u>
<del>n-Tridecane</del>	0.62	<u>0.62</u>
<del>n-Tetradecane</del>	0.58	<u>0.58</u>
<del>n-Pentadecane</del>	0.56	<u>0.53</u>
<del>n-C16</del>	0.52	<u>0.52</u>
<del>n-C17</del>	0.49	<u>0.49</u>

n-C18	0.47	<u>0.44</u>
n-C19	0.44	<u>0.44</u>
n-C20	0.42	<u>0.42</u>
n-C24	0.40	<u>0.40</u>
n-C22	0.38	<u>0.38</u>
Isobutane	1.35	<u>1.35</u>
Isopentane	1.68	<u>1.68</u>
Neopentane	0.69	<u>0.69</u>
Branched C5 Alkanes	1.68	<u>1.68</u>
2,2-Dimethyl Butane	1.33	<u>1.33</u>
2,3-Dimethyl Butane	1.14	<u>1.14</u>
2-Methyl Pentane (Isohexane)	1.80	<u>1.80</u>
3-Methyl Pentane	2.07	<u>2.07</u>
Branched C6 Alkanes	1.53	<u>1.53</u>
2,2,3-Trimethyl Butane	1.32	<u>1.32</u>
2,2-Dimethyl Pentane	1.22	<u>1.22</u>
2,3-Dimethyl Pentane	1.55	<u>1.55</u>
2,4-Dimethyl Pentane	1.65	<u>1.65</u>
2-Methyl Hexane	1.37	<u>1.37</u>
3,3-Dimethyl Pentane	1.32	<u>1.32</u>
3-Methyl Hexane	1.86	<u>1.86</u>
Branched C7 Alkanes	1.63	<u>1.63</u>
2,2,3,3-Tetramethyl Butane	0.44	<u>0.44</u>
2,2,4-Trimethyl Pentane (Isooctane)	1.44	<u>1.44</u>
2,2-Dimethyl Hexane	1.13	<u>1.13</u>
2,3,4-Trimethyl Pentane	1.23	<u>1.23</u>
2,3-Dimethyl Hexane	1.34	<u>1.34</u>
2,4-Dimethyl Hexane	1.80	<u>1.80</u>
2,5-Dimethyl Hexane	1.68	<u>1.68</u>
2-Methyl Heptane	1.20	<u>1.20</u>
3-Methyl Heptane	1.35	<u>1.35</u>
4-Methyl Heptane	1.48	<u>1.48</u>
Branched C8 Alkanes	1.57	<u>1.57</u>
2,2,5-Trimethyl Hexane	1.33	<u>1.33</u>
2,3,5-Trimethyl Hexane	1.33	<u>1.33</u>
2,4-Dimethyl Heptane	1.48	<u>1.48</u>
2-Methyl Octane	0.96	<u>0.96</u>
3,3-Diethyl Pentane	1.35	<u>1.35</u>
3,5-Dimethyl Heptane	1.63	<u>1.63</u>
4-Ethyl Heptane	1.44	<u>1.44</u>
4-Methyl Octane	1.08	<u>1.08</u>
Branched C9 Alkanes	1.25	<u>1.25</u>
2,4-Dimethyl Octane	1.09	<u>1.09</u>
2,6-Dimethyl Octane	1.27	<u>1.27</u>
2-Methyl Nonane	0.86	<u>0.86</u>
3,4-Diethyl Hexane	1.20	<u>1.20</u>
3-Methyl Nonane	0.89	<u>0.89</u>
4-Methyl Nonane	0.99	<u>0.99</u>

4-Propyl Heptane	1.24	<u>1.24</u>
Branched C10 Alkanes	1.09	<u>1.09</u>
2,6-Dimethyl Nonane	0.95	<u>0.95</u>
3,5-Diethyl Heptane	1.21	<u>1.21</u>
3-Methyl Decane	0.77	<u>0.77</u>
4-Methyl Decane	0.80	<u>0.80</u>
Branched C11 Alkanes	0.87	<u>0.87</u>
2,3,4,6-Tetramethyl Heptane	1.26	<u>1.26</u>
2,6-Diethyl Octane	1.09	<u>1.09</u>
3,6-Dimethyl Decane	0.88	<u>0.88</u>
3-Methyl Undecane	0.70	<u>0.70</u>
5-Methyl Undecane	0.72	<u>0.72</u>
Branched C12 Alkanes	0.80	<u>0.80</u>
2,3,5,7-Tetramethyl Octane	1.06	<u>1.06</u>
3,6-Dimethyl Undecane	0.82	<u>0.82</u>
3,7-Diethyl Nonane	1.08	<u>1.08</u>
3-Methyl Dodecane	0.64	<u>0.64</u>
5-Methyl Dodecane	0.64	<u>0.64</u>
Branched C13 Alkanes	0.73	<u>0.73</u>
2,4,6,8-Tetramethyl Nonane	0.94	<u>0.94</u>
2,3,6-Trimethyl 4-Isopropyl Heptane	1.24	<u>1.24</u>
3,7-Dimethyl Dodecane	0.74	<u>0.74</u>
3,8-Diethyl Decane	0.68	<u>0.68</u>
3-Methyl Tridecane	0.57	<u>0.57</u>
6-Methyl Tridecane	0.62	<u>0.62</u>
Branched C14 Alkanes	0.67	<u>0.67</u>
2,4,5,6,8-Pentamethyl Nonane	1.11	<u>1.11</u>
2-Methyl 3,5-Diisopropyl Heptane	0.78	<u>0.78</u>
3,7-Dimethyl Tridecane	0.64	<u>0.64</u>
3,9-Diethyl Undecane	0.62	<u>0.62</u>
3-Methyl Tetradecane	0.53	<u>0.53</u>
6-Methyl Tetradecane	0.57	<u>0.57</u>
Branched C15 Alkanes	0.60	<u>0.60</u>
2,6,8-Trimethyl 4-Isopropyl Nonane	0.76	<u>0.76</u>
3-Methyl Pentadecane	0.50	<u>0.50</u>
4,8-Dimethyl Tetradecane	0.58	<u>0.55</u>
7-Methyl Pentadecane	0.51	<u>0.51</u>
Branched C16 Alkanes	0.54	<u>0.54</u>
2,7-Dimethyl 3,5-Diisopropyl Heptane	0.69	<u>0.69</u>
Branched C17 Alkanes	0.51	<u>0.51</u>
Branched C18 Alkanes	0.48	<u>0.48</u>
Cyclopropane	0.10	<u>0.10</u>
Cyclobutane	1.05	<u>1.05</u>
Cyclopentane	2.69	<u>2.69</u>
Cyclohexane	1.46	<u>1.46</u>
Isopropyl Cyclopropane	1.52	<u>1.52</u>
Methylcyclopentane	2.42	<u>2.42</u>
C6 Cycloalkanes	1.46	<u>1.46</u>

1,3-Dimethyl Cyclopentane	2.15	<u>2.15</u>
Cycloheptane	2.26	<u>2.26</u>
Ethyl Cyclopentane	2.27	<u>2.27</u>
Methylcyclohexane	1.99	<u>1.99</u>
C7 Cycloalkanes	1.99	<u>1.99</u>
C8 Bicycloalkanes*	<u>1.75</u>	<u>1.75</u>
1,3-Dimethyl Cyclohexane	1.72	<u>1.72</u>
Cyclooctane	1.73	<u>1.73</u>
Ethylcyclohexane	1.75	<u>1.75</u>
Propyl Cyclopentane	1.91	<u>1.91</u>
C8 Cycloalkanes	1.75	<u>1.75</u>
C9 Bicycloalkanes	1.57	<u>1.57</u>
1,1,3-Trimethyl Cyclohexane	1.37	<u>1.37</u>
1-Ethyl-4-Methyl Cyclohexane	1.62	<u>1.62</u>
Propyl Cyclohexane	1.47	<u>1.47</u>
C9 Cycloalkanes	1.55	<u>1.55</u>
C10 Bicycloalkanes	1.29	<u>1.29</u>
1,3-Diethyl Cyclohexane	1.34	<u>1.34</u>
1,4-Diethyl Cyclohexane	1.49	<u>1.49</u>
1-Methyl-3-Isopropyl Cyclohexane	1.26	<u>1.26</u>
Butyl Cyclohexane	1.07	<u>1.07</u>
C10 Cycloalkanes	1.27	<u>1.27</u>
C11 Bicycloalkanes	1.01	<u>1.01</u>
1,3-Diethyl-5-Methyl Cyclohexane	1.11	<u>1.11</u>
1-Ethyl-2-Propyl Cyclohexane	0.95	<u>0.95</u>
Pentyl Cyclohexane	0.91	<u>0.91</u>
C11 Cycloalkanes	0.99	<u>0.99</u>
C12 Bicycloalkanes	0.88	<u>0.88</u>
C12 Cycloalkanes	0.87	<u>0.87</u>
1,3,5-Triethyl Cyclohexane	1.06	<u>1.06</u>
1-Methyl-4-Pentyl Cyclohexane	0.81	<u>0.81</u>
Hexyl Cyclohexane	0.75	<u>0.75</u>
C13 Bicycloalkanes	0.79	<u>0.79</u>
1,3-Diethyl-5-Pentyl Cyclohexane	0.99	0.99
<u>1,3-Diethyl-5-Propyl Cyclohexane*</u>	0.96	<u>0.96</u>
1-Methyl-2-Hexyl Cyclohexane	0.70	<u>0.70</u>
Heptyl Cyclohexane	0.66	<u>0.66</u>
C13 Cycloalkanes	0.78	<u>0.78</u>
C14 Bicycloalkanes	0.71	<u>0.71</u>
1,3-Dipropyl-5-Ethyl Cyclohexane	0.94	<u>0.94</u>
1-Methyl-4-Heptyl Cyclohexane	0.58	<u>0.58</u>
Octyl Cyclohexane	0.60	<u>0.60</u>
C14 Cycloalkanes	0.71	<u>0.71</u>
C15 Bicycloalkanes	0.69	<u>0.69</u>
1,3,5-Tripropyl Cyclohexane	0.90	<u>0.90</u>
1-Methyl-2-Octyl Cyclohexane	0.60	<u>0.60</u>
Nonyl Cyclohexane	0.54	<u>0.54</u>
C15 Cycloalkanes	0.68	<u>0.68</u>

1,3-Dipropyl-5-Butyl-Cyclohexane	0.77	<u>0.77</u>
1-Methyl-4-Nonyl-Cyclohexane	0.55	<u>0.55</u>
Decyl-Cyclohexane	0.50	<u>0.50</u>
C16-Cycloalkanes	0.61	<u>0.61</u>
Ethene	9.08	<u>9.08</u>
Propene (Propylene)	11.58	<u>11.58</u>
1-Butene	10.29	<u>10.29</u>
C4-Terminal Alkenes	10.29	<u>10.29</u>
1-Pentene	7.79	<u>7.79</u>
3-Methyl-1-Butene	6.99	<u>6.99</u>
C5-Terminal Alkenes	7.79	<u>7.79</u>
1-Hexene	6.17	<u>6.17</u>
3,3-Dimethyl-1-Butene	6.06	<u>6.06</u>
3-Methyl-1-Pentene	6.22	<u>6.22</u>
4-Methyl-1-Pentene	6.26	<u>6.26</u>
C6-Terminal Alkenes	6.17	<u>6.17</u>
1-Heptene	4.56	<u>4.20</u>
1-Octene	3.45	<u>3.45</u>
C8-Terminal Alkenes	3.45	<u>3.45</u>
1-Nonene	2.76	<u>2.76</u>
C9-Terminal Alkenes	2.76	<u>2.76</u>
1-Decene	2.28	<u>2.28</u>
C10-Terminal Alkenes	2.28	<u>2.28</u>
1-Undecene	1.95	<u>1.95</u>
C11-Terminal Alkenes	1.95	<u>1.95</u>
C12-Terminal Alkenes	1.72	<u>1.72</u>
1-Dodecene	1.72	<u>1.72</u>
1-Tridecene	1.55	<u>1.55</u>
C13-Terminal Alkenes	1.55	<u>1.55</u>
1-Tetradecene	1.41	<u>1.41</u>
C14-Terminal Alkenes	1.41	<u>1.41</u>
1-Pentadecene	1.37	<u>1.27</u>
C15-Terminal Alkenes	1.37	<u>1.27</u>
2-Methyl-Pentene (Isobutene)	6.35	<u>6.35</u>
2-Methyl-1-Butene	6.51	<u>6.51</u>
2,3-Dimethyl-1-Butene	4.77	<u>4.77</u>
2-Ethyl-1-Butene	5.04	<u>5.04</u>
2-Methyl-1-Pentene	5.18	<u>5.18</u>
2,3,3-Trimethyl-1-Butene	4.62	<u>4.62</u>
C7-Terminal Alkenes	4.56	<u>4.20</u>
3-Methyl-2-Isopropyl-1-Butene	3.29	<u>3.29</u>
cis-2-Butene	13.22	<u>13.22</u>
trans-2-Butene	13.91	<u>13.91</u>
C4-Internal Alkenes	13.57	<u>13.57</u>
2-Methyl-2-Butene	14.45	<u>14.45</u>
cis-2-Pentene	10.24	<u>10.24</u>
trans-2-Pentene	10.23	<u>10.23</u>
2-Pentenes	10.23	<u>10.23</u>

C5 Internal Alkenes	10.23	<u>10.23</u>
2,3-Dimethyl-2-Butene	13.32	<u>13.32</u>
2-Methyl-2-Pentene	12.28	<u>12.28</u>
cis-2-Hexene	8.44	<u>8.44</u>
cis-3-Hexene	8.22	<u>8.22</u>
cis-3-Methyl-2-Pentene*	<u>12.84</u>	<u>12.84</u>
cis-3-Methyl-2-Hexene	13.38	<u>13.38</u>
trans-3-Methyl-2-Hexene	14.17	<u>14.17</u>
trans-4-Methyl-2-Hexene	7.88	<u>7.88</u>
trans-2-Hexene	8.44	<u>8.44</u>
trans-3-Hexene	8.16	<u>8.16</u>
2-Hexenes	8.44	<u>8.44</u>
C6 Internal Alkenes	8.44	<u>8.44</u>
2,3-Dimethyl-2-Hexene	10.41	<u>10.41</u>
cis-3-Heptene	6.96	<u>6.96</u>
trans-4,4-Dimethyl-2-Pentene	6.99	<u>6.99</u>
trans-2-Heptene	7.33	<u>7.33</u>
trans-3-Heptene	6.96	<u>6.96</u>
2-Heptenes	6.96	<u>6.96</u>
C7 Internal Alkenes	6.96	<u>6.96</u>
cis-4-Octene	5.94	<u>5.94</u>
trans-2,2-Dimethyl-3-Hexene	5.97	<u>5.97</u>
trans-2,5-Dimethyl-3-Hexene	5.44	<u>5.44</u>
trans-3-Octene	6.13	<u>6.13</u>
trans-4-Octene	5.90	<u>5.90</u>
3-Octenes	6.13	<u>6.13</u>
C8 Internal Alkenes	5.90	<u>5.90</u>
2,4,4-Trimethyl-2-Pentene	5.85	<u>8.52</u>
3-Nonenes	5.31	<u>5.31</u>
C9 Internal Alkenes	5.31	<u>5.31</u>
trans-4-Nonene	5.23	<u>5.23</u>
3,4-Diethyl-2-Hexene	3.95	<u>3.95</u>
cis-5-Decene	4.89	<u>4.89</u>
trans-4-Decene	4.50	<u>4.50</u>
C10 3-Alkenes	4.50	<u>4.50</u>
C10 Internal Alkenes	4.50	<u>4.50</u>
trans-5-Undecene	4.23	<u>4.23</u>
C11 3-Alkenes	4.23	<u>4.23</u>
C11 Internal Alkenes	4.23	<u>4.23</u>
C12 2-Alkenes	3.75	<u>3.75</u>
C12 3-Alkenes	3.75	<u>3.75</u>
C12 Internal Alkenes	3.75	<u>3.75</u>
trans-5-Dodecene	3.74	<u>3.74</u>
trans-5-Tridecene	3.38	<u>3.38</u>
C13 3-Alkenes	3.38	<u>3.38</u>
C13 Internal Alkenes	3.38	<u>3.38</u>
trans-5-Tetradecene	3.08	<u>3.08</u>
C14 3-Alkenes	3.08	<u>3.08</u>

C14 Internal Alkenes	3.08	<u>3.08</u>
trans-5-Pentadecene	2.82	<u>2.82</u>
C15 3-Alkenes	2.82	<u>2.82</u>
C15 Internal Alkenes	2.82	<u>2.82</u>
C4 Alkenes	11.93	<u>11.93</u>
C5 Alkenes	9.01	<u>9.01</u>
C6 Alkenes	6.88	<u>6.88</u>
C7 Alkenes	5.76	<u>5.76</u>
C8 Alkenes	4.68	<u>4.68</u>
C9 Alkenes	4.03	<u>4.03</u>
C10 Alkenes	3.39	<u>3.39</u>
C11 Alkenes	3.09	<u>3.09</u>
C12 Alkenes	2.73	<u>2.73</u>
C13 Alkenes	2.46	<u>2.46</u>
C14 Alkenes	2.28	<u>2.28</u>
C15 Alkenes	2.06	<u>2.06</u>
Cyclopentene	7.38	<u>7.38</u>
1-Methyl Cyclopentene	13.95	<u>13.95</u>
Cyclohexene	5.45	<u>5.45</u>
1-Methyl Cyclohexene	7.81	<u>7.81</u>
4-Methyl Cyclohexene	4.48	<u>4.48</u>
1,2-Dimethyl Cyclohexene	6.77	<u>6.77</u>
1,3-Butadiene	13.58	<u>13.58</u>
Isoprene	10.69	<u>10.69</u>
C6 Cyclic or Di-olefins	8.65	<u>8.65</u>
C7 Cyclic or Di-olefins	7.49	<u>7.49</u>
C8 Cyclic or Di-olefins	6.01	<u>6.01</u>
C9 Cyclic or Di-olefins	5.40	<u>5.40</u>
C10 Cyclic or Di-olefins	4.56	<u>4.56</u>
C11 Cyclic or Di-olefins	4.29	<u>4.29</u>
C12 Cyclic or Di-olefins	3.79	<u>3.79</u>
C13 Cyclic or Di-olefins	3.42	<u>3.42</u>
C14 Cyclic or Di-olefins	3.11	<u>3.11</u>
C15 Cyclic or Di-olefins	2.85	<u>2.85</u>
Cyclopentadiene	7.61	<u>7.61</u>
β-Carene	3.21	<u>3.21</u>
α-Pinene (Pine Oil)	4.29	<u>4.29</u>
β-Pinene	3.28	<u>3.28</u>
d-Limonene (Dipentene or Orange Terpene)	3.99	<u>3.99</u>
Sabinene	3.67	<u>3.67</u>
Terpene	3.79	<u>3.79</u>
Styrene	1.95	<u>1.95</u>
α-Methyl Styrene	1.72	<u>1.72</u>
C9 Styrenes	1.72	<u>1.72</u>
C10 Styrenes	1.53	<u>1.53</u>
Benzene	0.81	<u>0.81</u>
Toluene	3.97	<u>3.97</u>
Ethyl Benzene	2.79	<u>2.79</u>



Cumene (Isopropyl Benzene)	2.32	<u>2.32</u>
n-Propyl Benzene	2.20	<u>2.20</u>
C9 Monosubstituted Benzenes	2.20	<u>2.20</u>
s-Butyl Benzene	1.97	<u>1.97</u>
C10 Monosubstituted Benzenes	1.97	<u>1.97</u>
n-Butyl Benzene	1.97	<u>1.97</u>
C11 Monosubstituted Benzenes	1.78	<u>1.78</u>
C12 Monosubstituted Benzenes	1.63	<u>1.63</u>
C13 Monosubstituted Benzenes	1.50	<u>1.50</u>
m-Xylene	10.61	<u>10.61</u>
o-Xylene	7.49	<u>7.49</u>
p-Xylene	4.25	<u>4.25</u>
C8 Disubstituted Benzenes	7.48	<u>7.48</u>
<u>m-Ethyl Toluene*</u>	<u>9.37</u>	<u>9.37</u>
<u>p-Ethyl Toluene*</u>	<u>3.75</u>	<u>3.75</u>
<u>o-Ethyl Toluene*</u>	<u>6.61</u>	<u>6.61</u>
C9 Disubstituted Benzenes	6.61	<u>6.61</u>
<u>o-Diethyl Benzene*</u>	<u>5.92</u>	<u>5.92</u>
<u>m-Diethyl Benzene*</u>	<u>8.39</u>	<u>8.39</u>
<u>p-Diethyl Benzene*</u>	<u>3.36</u>	<u>3.36</u>
C10 Disubstituted Benzenes	5.92	<u>5.92</u>
C11 Disubstituted Benzenes	5.35	<u>5.35</u>
C12 Disubstituted Benzenes	4.90	<u>4.90</u>
C13 Disubstituted Benzenes	4.50	<u>4.50</u>
Isomers of Ethylbenzene	5.16	<u>5.16</u>
1,2,3-Trimethyl Benzene	11.26	<u>11.26</u>
1,2,4-Trimethyl Benzene	7.18	<u>7.18</u>
1,3,5-Trimethyl Benzene	11.22	<u>11.22</u>
C9 Trisubstituted Benzenes	9.90	<u>9.90</u>
Isomers of Propylbenzene	6.12	<u>6.12</u>
<u>1,2,3,5-Tetramethyl Benzene*</u>	<u>8.25</u>	<u>8.25</u>
C10 Tetrasubstituted Benzenes	8.86	<u>8.86</u>
C10 Trisubstituted Benzenes	8.86	<u>8.86</u>
Isomers of Butylbenzene	5.48	<u>5.48</u>
C11 Pentasubstituted Benzenes	8.03	<u>8.03</u>
C11 Tetrasubstituted Benzenes	8.03	<u>8.03</u>
C11 Trisubstituted Benzenes	8.03	<u>8.03</u>
Isomers of Pentylbenzene	4.96	<u>4.96</u>
C12 Pentasubstituted Benzenes	7.33	<u>7.33</u>
C12 Hexasubstituted Benzenes	7.33	<u>7.33</u>
C12 Tetrasubstituted Benzenes	7.33	<u>7.33</u>
C12 Trisubstituted Benzenes	7.33	<u>7.33</u>
Isomers of Hexylbenzene	4.53	<u>4.53</u>
C13 Trisubstituted Benzenes	6.75	<u>6.75</u>
<u>Indene*</u>	<u>3.21</u>	<u>3.21</u>
Indane	3.17	<u>3.17</u>
Naphthalene	3.26	<u>3.26</u>
Tetralin	2.83	<u>2.83</u>

<u>Methyl Indans*</u>	<u>2.83</u>	<u>2.83</u>
Methyl Naphthalenes	4.61	<u>4.61</u>
1-Methyl Naphthalene	4.61	<u>4.61</u>
2-Methyl Naphthalene	4.61	<u>4.61</u>
<u>C11 Tetralin or Indane</u>	<u>2.56</u>	<u>2.56</u>
2,3-Dimethyl Naphthalene	5.54	<u>5.54</u>
C12 Disubstituted Naphthalenes	5.54	<u>5.54</u>
Dimethyl Naphthalenes	5.54	<u>5.54</u>
C12 Monosubstituted Naphthalenes	4.20	<u>4.20</u>
<u>C12 Tetralin or Indane*</u>	<u>2.33</u>	<u>2.33</u>
C13 Disubstituted Naphthalenes	5.08	<u>5.08</u>
C13 Trisubstituted Naphthalenes	5.08	<u>5.08</u>
C13 Monosubstituted Naphthalenes	3.86	<u>3.86</u>
Acetylene	1.25	<u>1.25</u>
Methyl Acetylene	6.45	<u>6.45</u>
2-Butyne	16.33	<u>16.33</u>
Ethyl Acetylene	6.20	<u>6.20</u>
Methanol	0.71	<u>0.71</u>
Ethanol	1.69	<u>1.69</u>
Isopropanol (2-Propanol or Isopropyl Alcohol)	0.71	<u>0.71</u>
n-Propanol (n-Propyl Alcohol)	2.74	<u>2.74</u>
Isobutanol (Isobutyl Alcohol)	2.24	<u>2.24</u>
1-Butanol (n-Butyl Alcohol)	3.34	<u>3.34</u>
2-Butanol (s-Butyl Alcohol)	1.60	<u>1.60</u>
t-Butyl Alcohol	0.45	<u>0.45</u>
Cyclopentanol	1.96	<u>1.96</u>
2-Pentanol	1.74	<u>1.74</u>
3-Pentanol	1.73	<u>1.73</u>
n-Pentanol (Amyl Alcohol)	3.35	<u>3.35</u>
<u>Isoamyl Alcohol (3-Methyl-1-Butanol)*</u>	<u>2.73</u>	<u>2.73</u>
<u>2-Methyl-1-Butanol*</u>	<u>2.60</u>	<u>2.60</u>
Cyclohexanol	2.25	<u>2.25</u>
1-Hexanol	2.74	<u>2.74</u>
2-Hexanol	2.46	<u>2.46</u>
<u>4-Methyl-2-Pentanol (Methyl Isobutyl Carbinol)*</u>	<u>2.89</u>	<u>2.89</u>
1-Heptanol	2.21	<u>2.21</u>
<u>Dimethylpentanol (2,3-Dimethyl-1-Pentanol)*</u>	<u>2.51</u>	<u>2.51</u>
1-Octanol	2.01	<u>2.01</u>
2-Ethyl-1-Hexanol (Ethyl Hexyl Alcohol)	2.20	<u>2.20</u>
2-Octanol	2.16	<u>2.16</u>
3-Octanol	2.57	<u>2.57</u>
4-Octanol	3.07	<u>3.07</u>
<u>5-Methyl-1-Heptanol*</u>	<u>1.95</u>	<u>1.95</u>
<u>Trimethylcyclohexanol*</u>	<u>2.17</u>	<u>2.17</u>
<u>Dimethylheptanol (2,6-Dimethyl-2-Heptanol)*</u>	<u>1.07</u>	<u>1.07</u>
<u>2,6-Dimethyl-4-Heptanol*</u>	<u>2.37</u>	<u>2.37</u>
<u>Menthol*</u>	<u>1.70</u>	<u>1.70</u>
Isodecyl Alcohol (8-Methyl-1-Nonanol)	1.23	<u>1.23</u>

<u>1-Decanol*</u>	<u>1.22</u>	<u>1.22</u>
<u>3,7-Dimethyl-1-Octanol*</u>	<u>1.42</u>	<u>1.42</u>
<u>Trimethylnonanolthreoerythro; 2,6,8-Trimethyl-4-Nonanol*</u>	<u>1.55</u>	<u>1.55</u>
Ethylene Glycol	3.36	<u>3.36</u>
Propylene Glycol	2.75	<u>2.75</u>
1,2-Butanediol	2.21	<u>2.21</u>
Glycerol (1,2,3-Propanetriol)	3.27	<u>3.27</u>
<u>1,4-Butanediol*</u>	<u>3.22</u>	<u>3.22</u>
<u>Pentaerythritol*</u>	<u>2.42</u>	<u>2.42</u>
1,2-Dihydroxy Hexane	2.75	<u>2.75</u>
2-Methyl-2,4-Pentanediol	1.04	<u>1.04</u>
<u>2-Ethyl-1,3-Hexanediol*</u>	<u>2.62</u>	<u>2.62</u>
Dimethyl Ether	0.93	<u>0.93</u>
Trimethylene Oxide	5.22	<u>5.22</u>
<u>1,3-Dioxolane*</u>	<u>5.47</u>	<u>5.47</u>
Dimethoxymethane	1.04	<u>1.04</u>
Tetrahydrofuran	4.95	<u>4.95</u>
Diethyl Ether	4.01	<u>4.01</u>
<u>1,4-Dioxane*</u>	<u>2.71</u>	<u>2.71</u>
Alpha-Methyltetrahydrofuran	4.62	<u>4.62</u>
Tetrahydropyran	3.81	<u>3.81</u>
Ethyl Isopropyl Ether	3.86	<u>3.86</u>
Methyl n-Butyl Ether	3.66	<u>3.66</u>
Methyl t-Butyl Ether	0.78	<u>0.78</u>
2,2-Dimethoxypropane	0.52	<u>0.52</u>
Di n-Propyl Ether	3.24	<u>3.24</u>
Ethyl n-Butyl Ether	3.86	<u>3.86</u>
Ethyl t-Butyl Ether	2.11	<u>2.11</u>
Methyl t-Amyl Ether	2.14	<u>2.14</u>
<u>Di-isopropyl Ether*</u>	<u>3.56</u>	<u>3.56</u>
<u>Ethylene Glycol Diethyl Ether; 1,2-Diethoxyethane*</u>	<u>2.84</u>	<u>2.84</u>
<u>Acetal (1,1-Diethoxyethane)*</u>	<u>3.68</u>	<u>3.68</u>
<u>4,4-Dimethyl-3-Oxahexane*</u>	<u>2.03</u>	<u>2.03</u>
2-Butyl Tetrahydrofuran	2.53	<u>2.53</u>
Di-Isobutyl Ether	1.29	<u>1.29</u>
Di-n-butyl Ether	3.17	<u>3.17</u>
<u>2-Methoxy-1-(2-Methoxy-1-Methylethoxy)-Propane*</u>	<u>2.09</u>	<u>2.09</u>
Di-n-Pentyl Ether	2.64	<u>2.64</u>
Ethylene Glycol Monomethyl Ether (2-Methoxyethanol)	2.98	<u>2.98</u>
Propylene Glycol Monomethyl Ether (1-Methoxy-2-Propanol)	2.62	<u>2.62</u>
2-Ethoxyethanol	3.78	<u>3.78</u>
2-Methoxy-1-Propanol	3.01	<u>3.01</u>
<u>3-Methoxy-1-Propanol*</u>	<u>4.01</u>	<u>4.01</u>
Diethylene Glycol	3.55	<u>3.55</u>
<u>Tetrahydro-2-Furanmethanol*</u>	<u>3.54</u>	<u>3.54</u>
Propylene Glycol Monoethyl Ether (1-Ethoxy-2-Propanol)	3.25	<u>3.25</u>
Ethylene Glycol Monopropyl Ether (2-Propoxyethanol)	3.52	<u>3.52</u>
3-Ethoxy-1-Propanol	4.24	<u>4.24</u>

3-Methoxy-1-Butanol	0.97	<u>0.97</u>
Diethylene Glycol Methyl Ether [2-(2-Methoxyethoxy) Ethanol]	2.90	<u>2.90</u>
Propylene Glycol Monopropyl Ether (1-Propoxy-2-Propanol)	2.86	<u>2.86</u>
Ethylene Glycol Monobutyl Ether [2-Butoxyethanol]	2.90	<u>2.90</u>
3-Methoxy-3-Methyl-Butanol	1.74	<u>1.74</u>
<u>n-Propoxypropanol*</u>	<u>3.84</u>	<u>3.84</u>
2-(2-Ethoxyethoxy) Ethanol	3.19	<u>3.19</u>
Dipropylene Glycol	2.48	<u>2.48</u>
<u>Triethylene Glycol*</u>	<u>3.41</u>	<u>3.41</u>
Propylene Glycol t-Butyl Ether (1-tert-Butoxy-2-Propanol)	1.71	<u>1.71</u>
2-tert-Butoxy-1-Propanol	1.81	<u>1.81</u>
n-Butoxy-2-Propanol	2.70	<u>2.70</u>
Dipropylene Glycol Methyl Ether Isomer (1-Methoxy-2-[2-Hydroxypropoxy]-Propane)	2.21	<u>2.21</u>
Dipropylene Glycol Methyl Ether Isomer (2-[2-Methoxypropoxy]-1-Propanol)	3.02	<u>2.70</u>
2-Hexyloxyethanol	2.45	<u>2.45</u>
2-(2-Propoxyethoxy) Ethanol	3.00	<u>3.00</u>
2,2,4-Trimethyl-1,3-Pentanediol	1.74	<u>1.74</u>
2-(2-Butoxyethoxy)-Ethanol	2.70	<u>2.87</u>
2-[2-(2-Methoxyethoxy) Ethoxy] Ethanol	2.62	<u>2.62</u>
<u>Dipropylene Glycol Ethyl Ether*</u>	<u>2.75</u>	<u>2.75</u>
Ethylene Glycol 2-Ethylhexyl Ether [2-(2-Ethylhexyloxy) Ethanol]	1.71	<u>1.71</u>
2-[2-(2-Ethoxyethoxy) Ethoxy] Ethanol	2.66	<u>2.66</u>
<u>Tetraethylene Glycol*</u>	<u>2.84</u>	<u>2.84</u>
<u>1-(Butoxyethoxy)-2-Propanol*</u>	<u>2.08</u>	<u>2.08</u>
2-(2-Hexyloxyethoxy) Ethanol	2.03	<u>2.03</u>
Glycol Ether dpnb (1-(2-Butoxy-1-Methylethoxy)-2-Propanol)*	1.96	<u>1.96</u>
2-[2-(2-Propoxyethoxy) Ethoxy] Ethanol	2.46	<u>2.46</u>
2-[2-(2-Butoxyethoxy) Ethoxy] Ethanol	2.24	<u>2.24</u>
Tripropylene Glycol Monomethyl Ether	1.90	<u>1.90</u>
2,5,8,11-Tetraoxatridecan-13-ol	2.15	<u>2.15</u>
3,6,9,12-Tetraoxahexadecan-1-ol	1.90	<u>1.90</u>
Cumene Hydroperoxide (1-Methyl-1-Phenylethylhydroperoxide)**	12.61	<u>12.61</u>
Methyl Formate	0.06	<u>0.06</u>
Ethyl Formate	0.52	<u>0.52</u>
Methyl Acetate	0.07	<u>0.07</u>
<u>gamma-Butyrolactone*</u>	<u>1.15</u>	<u>1.15</u>
Ethyl Acetate	0.64	<u>0.64</u>
Methyl Propionate	0.71	<u>0.71</u>
n-Propyl Formate	0.93	<u>0.93</u>
<u>Isopropyl Formate*</u>	<u>0.42</u>	<u>0.42</u>
Ethyl Propionate	0.79	<u>0.79</u>
Isopropyl Acetate	1.12	<u>1.12</u>
Methyl Butyrate	1.18	<u>1.18</u>
Methyl Isobutyrate	0.70	<u>0.70</u>
n-Butyl Formate	0.95	<u>0.95</u>
Propyl Acetate	0.87	<u>0.87</u>
Ethyl Butyrate	1.25	<u>1.25</u>

Isobutyl Acetate	0.67	<u>0.67</u>
Methyl Pivalate (2,2-Dimethyl Propanoic Acid Methyl Ester)	0.39	<u>0.39</u>
n-Butyl Acetate	0.89	<u>0.89</u>
n-Propyl Propionate	0.93	<u>0.93</u>
s-Butyl Acetate	1.43	<u>1.43</u>
t-Butyl Acetate	0.20	<u>0.20</u>
Butyl Propionate	0.89	<u>0.89</u>
Amyl Acetate	0.96	<u>0.96</u>
n-Propyl Butyrate	1.17	<u>1.17</u>
Isoamyl Acetate (3 Methylbutyl Acetate)*	1.18	<u>1.18</u>
2-Methyl-1-Butyl Acetate*	1.17	<u>1.17</u>
EEP Solvent (Ethyl 3-Ethoxy Propionate)	3.61	<u>3.61</u>
2,3-Dimethylbutyl Acetate	0.84	<u>0.84</u>
2-Methylpentyl Acetate	1.11	<u>1.11</u>
3-Methylpentyl Acetate	1.31	<u>1.31</u>
4-Methylpentyl Acetate	0.92	<u>0.92</u>
Isobutyl Isobutyrate	0.61	<u>0.61</u>
n-Butyl Butyrate	1.12	<u>1.12</u>
n-Hexyl Acetate (Hexyl Acetate)	0.87	<u>0.87</u>
Methyl Amyl Acetate (4 Methyl 2 Pentanol Acetate)*	1.46	<u>1.46</u>
n-Pentyl Propionate*	0.79	<u>0.79</u>
2,4-Dimethylpentyl Acetate	0.98	<u>0.98</u>
2-Methylhexyl Acetate	0.89	<u>0.89</u>
3-Ethylpentyl Acetate	1.24	<u>1.24</u>
3-Methylhexyl Acetate	1.01	<u>1.01</u>
4-Methylhexyl Acetate	0.91	<u>0.91</u>
5-Methylhexyl Acetate	0.79	<u>0.79</u>
Isoamyl Isobutyrate	0.89	<u>0.89</u>
n-Heptyl Acetate (Heptyl Acetate)	0.73	<u>0.73</u>
2,4-Dimethylhexyl Acetate	0.93	<u>0.93</u>
2-Ethyl-Hexyl Acetate	0.79	<u>0.79</u>
3,4-Dimethylhexyl Acetate	1.16	<u>1.16</u>
3,5-Dimethylhexyl Acetate	1.09	<u>1.09</u>
3-Ethylhexyl Acetate	1.03	<u>1.03</u>
3-Methylheptyl Acetate	0.76	<u>0.76</u>
4,5-Dimethylhexyl Acetate	0.86	<u>0.86</u>
4-Methylheptyl Acetate	0.72	<u>0.72</u>
5-Methylheptyl Acetate	0.73	<u>0.73</u>
n-Octyl Acetate	0.64	<u>0.64</u>
2,3,5-Trimethylhexyl Acetate	0.86	<u>0.86</u>
2,3-Dimethylheptyl Acetate	0.84	<u>0.84</u>
2,4-Dimethylheptyl Acetate	0.88	<u>0.88</u>
2,5-Dimethylheptyl Acetate	0.86	<u>0.86</u>
2-Methyloctyl Acetate	0.63	<u>0.63</u>
3,5-Dimethylheptyl Acetate	1.01	<u>1.01</u>
3,6-Dimethylheptyl Acetate	0.87	<u>0.87</u>
3-Ethylheptyl Acetate	0.71	<u>0.71</u>
4,5-Dimethylheptyl Acetate	0.96	<u>0.96</u>

4,6-Dimethylheptyl Acetate	0.83	<u>0.83</u>
4-Methyloctyl Acetate	0.68	<u>0.68</u>
5-Methyloctyl Acetate	0.67	<u>0.67</u>
n-Nonyl Acetate	0.58	<u>0.58</u>
3,6-Dimethyloctyl Acetate	0.88	<u>0.88</u>
3-Isopropylheptyl Acetate	0.71	<u>0.71</u>
4,6-Dimethyloctyl Acetate	0.85	<u>0.85</u>
3,5,7-Trimethyloctyl Acetate	0.83	<u>0.83</u>
3-Ethyl-6-Methyloctyl Acetate	0.80	<u>0.80</u>
4,7-Dimethylnonyl Acetate	0.64	<u>0.64</u>
<u>Methyl Dodecanoate (Methyl Laurate)*</u>	<u>0.53</u>	<u>0.53</u>
2,3,5,7-Tetramethyloctyl Acetate	0.74	<u>0.74</u>
3,5,7-Trimethylnonyl Acetate	0.76	<u>0.76</u>
3,6,8-Trimethylnonyl Acetate	0.72	<u>0.72</u>
2,4,6,8-Tetramethylnonyl Acetate	0.63	<u>0.63</u>
3-Ethyl-6,7-Dimethylnonyl Acetate	0.76	<u>0.76</u>
4,7,9-Trimethyldecyl Acetate	0.55	<u>0.55</u>
<u>Methyl Myristate (Methyl Tetradecanoate)*</u>	<u>0.47</u>	<u>0.47</u>
2,3,5,6,8-Pentaamethylnonyl Acetate	0.74	<u>0.74</u>
3,5,7,9-Tetramethyldecyl Acetate	0.58	<u>0.58</u>
5-Ethyl-3,6,8-Trimethylnonyl Acetate	0.77	<u>0.77</u>
Dimethyl Carbonate	0.06	<u>0.06</u>
Propylene Carbonate (4-Methyl-1,3-Dioxolan-2-one)	0.25	<u>0.25</u>
Methyl Lactate	2.75	<u>2.75</u>
2-Methoxyethyl Acetate	1.18	<u>1.18</u>
Ethyl Lactate	2.71	<u>2.71</u>
Methyl Isopropyl Carbonate	0.69	<u>0.69</u>
Propylene Glycol Monomethyl Ether Acetate (1-Methoxy-2-Propyl Acetate)	1.71	<u>1.71</u>
2-Ethoxyethyl Acetate	1.90	<u>1.90</u>
2-Methoxy-1-Propyl Acetate	1.12	<u>1.12</u>
<u>Methoxypropanol Acetate*</u>	<u>1.97</u>	<u>1.97</u>
Dimethyl Succinate	0.23	<u>0.23</u>
Ethylene Glycol Diacetate	0.72	<u>0.72</u>
<u>1,2-Propylene Glycol Diacetate*</u>	<u>0.94</u>	<u>0.94</u>
Diisopropyl Carbonate	1.04	<u>1.04</u>
Dimethyl Glutarate	0.51	<u>0.51</u>
Ethylene Glycol Monobutyl Ether Acetate (2-Butoxyethyl Acetate)	1.67	<u>1.67</u>
Dimethyl Adipate	1.95	<u>1.95</u>
2-(2-Ethoxyethoxy) Ethyl Acetate	1.50	<u>1.50</u>
<u>Dipropylene Glycol n-Propyl Ether Isomer #1*</u>	<u>2.13</u>	<u>2.13</u>
<u>Dipropylene Glycol Methyl Ether Acetate Isomer #1*</u>	<u>1.41</u>	<u>1.41</u>
<u>Dipropylene Glycol Methyl Ether Acetate Isomer #2*</u>	<u>1.58</u>	<u>1.58</u>
<u>Dipropylene Glycol Methyl Ether Acetate*</u>	<u>1.49</u>	<u>1.49</u>
<u>Glyceryl Triacetate*</u>	<u>0.57</u>	<u>0.57</u>
2-(2-Butoxyethoxy) Ethyl Acetate	1.38	<u>1.38</u>
Substituted C7 Ester (C12)	0.92	<u>0.92</u>
1-Hydroxy-2,2,4-Trimethylpentyl-3-Isobutyrate	0.92	<u>0.92</u>

3-Hydroxy-2,2,4-Trimethylpentyl-1-Isobutyrate	0.88	<u>0.88</u>
Hydroxy-2,2,4-Trimethylpentyl-Isobutyrate-Isomers (2,2,4-Trimethyl-1,3-Pentanediol-Monoisobutyrate)	0.89	<u>0.89</u>
Substituted C9-Ester (C12)	0.89	<u>0.89</u>
Dimethyl Sebacate	0.48	<u>0.48</u>
Diisopropyl Adipate*	<u>1.42</u>	<u>1.42</u>
Ethylene Oxide	0.05	<u>0.04</u>
Propylene Oxide	0.32	<u>0.32</u>
1,2-Epoxybutane (Ethyl Oxirane)	1.02	<u>1.02</u>
Formic Acid	0.08	<u>0.08</u>
Acetic Acid	0.71	<u>0.50</u>
Glycolic Acid (Hydroxyacetic Acid)	2.67	<u>2.67</u>
Peracetic Acid (Peroxyacetic Acid)**	12.62	<u>12.62</u>
Acrylic Acid	11.66	<u>11.66</u>
Propionic Acid	1.16	<u>0.79</u>
Methacrylic Acid	18.78	<u>18.78</u>
Isobutyric Acid*	<u>1.22</u>	<u>1.22</u>
Butanoic Acid*	<u>1.78</u>	<u>1.78</u>
Malic Acid*	<u>7.51</u>	<u>7.51</u>
3-Methylbutanoic Acid*	<u>4.26</u>	<u>4.26</u>
Adipic Acid*	<u>3.37</u>	<u>3.37</u>
2-Ethyl Hexanoic Acid	4.41	<u>3.49</u>
Methyl Acrylate	12.24	<u>12.24</u>
Vinyl Acetate	3.26	<u>3.26</u>
2-Methyl-2-Butene-3-ol (1,2-Dimethylpropyl-1-en-1-ol)	5.12	<u>5.12</u>
Ethyl Acrylate	8.78	<u>8.78</u>
Methyl Methacrylate	15.84	<u>15.84</u>
Hydroxypropyl Acrylate*	<u>5.56</u>	<u>5.56</u>
n-Butyl Acrylate*	<u>5.52</u>	<u>5.52</u>
Isobutyl Acrylate*	<u>5.05</u>	<u>5.05</u>
Butyl Methacrylate	9.09	<u>9.09</u>
Isobutyl Methacrylate	8.99	<u>8.99</u>
Isobornyl Methacrylate**	8.64	<u>8.64</u>
$\alpha$ -Terpineol*	5.16	<u>5.16</u>
2-Ethyl Hexyl Acrylate	2.42	<u>2.42</u>
Furan	16.54	<u>16.54</u>
Formaldehyde	8.97	<u>8.97</u>
Acetaldehyde	6.84	<u>6.84</u>
Propionaldehyde	7.89	<u>7.89</u>
2-Methylpropanal	5.87	<u>5.87</u>
Butanal	6.74	<u>6.74</u>
C4 Aldehydes	6.74	<u>6.74</u>
2,2-Dimethylpropanal (Pivaldehyde)	5.40	<u>5.40</u>
3-Methylbutanal (Isovaleraldehyde)	5.52	<u>5.52</u>
Pentanal (Valeraldehyde)	5.76	<u>5.76</u>
C5 Aldehydes	5.76	<u>5.76</u>
Glutaraldehyde	4.79	<u>4.79</u>
Hexanal	4.98	<u>4.98</u>

C6 Aldehydes	4.98	<u>4.98</u>
Heptanal	4.23	<u>4.23</u>
C7 Aldehydes	4.23	<u>4.23</u>
<u>2-Methyl-Hexanal*</u>	<u>3.97</u>	<u>3.97</u>
Octanal	3.65	<u>3.65</u>
C8 Aldehydes	3.65	<u>3.65</u>
Glyoxal	14.22	<u>14.22</u>
Methyl Glyoxal	16.21	<u>16.21</u>
Acrolein	7.60	<u>7.60</u>
Crotonaldehyde	10.07	<u>10.07</u>
Methacrolein	6.23	<u>6.23</u>
Hydroxy Methacrolein	6.61	<u>6.61</u>
Benzaldehyde	0.00	<u>0.00</u>
Tolualdehyde	0.00	<u>0.00</u>
Acetone	0.43	<u>0.43</u>
Cyclobutanone	0.68	<u>0.68</u>
Methyl Ethyl Ketone (2-Butanone)	1.49	<u>1.49</u>
Cyclopentanone	1.43	<u>1.43</u>
C5 Cyclic Ketones	1.43	<u>1.43</u>
Methyl Propyl Ketone (2-Pentanone)	3.07	<u>3.07</u>
3-Pentanone	1.45	<u>1.45</u>
C5 Ketones	3.07	<u>3.07</u>
<u>Methyl Isopropyl Ketone*</u>	<u>1.64</u>	<u>1.64</u>
<u>2,4-Pentanedione*</u>	<u>1.02</u>	<u>1.02</u>
Cyclohexanone	1.61	<u>1.61</u>
C6 Cyclic Ketones	1.61	<u>1.61</u>
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	4.31	<u>4.31</u>
Methyl n-Butyl Ketone (2-Hexanone)	3.55	<u>3.55</u>
Methyl t-Butyl Ketone	0.78	<u>0.78</u>
C6 Ketones	3.55	<u>3.55</u>
C7 Cyclic Ketones	1.41	<u>1.41</u>
Methyl Amyl Ketone (2-Heptanone)	2.80	<u>2.80</u>
2-Methyl-3-Hexanone	1.79	<u>1.79</u>
Di-Isopropyl Ketone	1.63	<u>1.63</u>
C7 Ketones	2.80	<u>2.80</u>
3-Methyl-2-Hexanone	2.81	<u>2.81</u>
Methyl Isoamyl Ketone (5-Methyl-2-Hexanone)	2.10	<u>2.10</u>
C8 Cyclic Ketones	1.25	<u>1.25</u>
2-Octanone	1.66	<u>1.66</u>
C8 Ketones	1.66	<u>1.66</u>
C9 Cyclic Ketones	1.13	<u>1.13</u>
<u>2-Propyl Cyclohexanone*</u>	<u>1.71</u>	<u>1.71</u>
<u>4-Propyl Cyclohexanone*</u>	<u>2.08</u>	<u>2.08</u>
2-Nonanone	1.30	<u>1.30</u>
Di-Isobutyl Ketone (2,6-Dimethyl-4-Heptanone)	2.94	<u>2.94</u>
C9 Ketones	1.30	<u>1.30</u>
C10 Cyclic Ketones	1.02	<u>1.02</u>
2-Decanone	1.06	<u>1.06</u>



C10 Ketones	1.06	<u>1.06</u>
<u>2,6,8-Trimethyl-4-Nonanone; Isobutyl Heptyl Ketone*</u>	<u>1.86</u>	<u>1.86</u>
Biacetyl	20.73	<u>20.73</u>
Methylvinyl ketone	8.73	<u>8.73</u>
<u>Mesityl Oxide (2-Methyl-2-Penten-4-one)*</u>	<u>17.37</u>	<u>17.37</u>
<u>Isophorone (3,5,5-Trimethyl-2-Cyclohexenone)*</u>	<u>10.58</u>	<u>10.58</u>
<u>1-Nonene-4-one*</u>	<u>3.39</u>	<u>3.39</u>
Hydroxy Acetone	3.08	<u>3.08</u>
<u>Dihydroxyacetone*</u>	<u>4.02</u>	<u>4.02</u>
Methoxy Acetone	2.14	<u>2.14</u>
Diacetone Alcohol (4-Hydroxy-4-Methyl-2-Pentanone)	0.68	<u>0.68</u>
Phenol	1.82	<u>1.82</u>
<u>C7 Alkyl Phenols</u>	<u>2.34</u>	<u>2.34</u>
m-Cresol	2.34	<u>2.34</u>
p-Cresol	2.34	<u>2.34</u>
o-Cresol	2.34	<u>2.34</u>
<u>C8 Alkyl Phenols*</u>	<u>2.07</u>	<u>2.07</u>
<u>C9 Alkyl Phenols*</u>	<u>1.86</u>	<u>1.86</u>
<u>C10 Alkyl Phenols*</u>	<u>1.68</u>	<u>1.68</u>
<u>C11 Alkyl Phenols*</u>	<u>1.54</u>	<u>1.54</u>
<u>C12 Alkyl Phenols*</u>	<u>1.42</u>	<u>1.42</u>
<u>2-Phenoxyethanol; Ethylene Glycol Phenyl Ether*</u>	<u>3.61</u>	<u>3.61</u>
1-Phenoxy-2-Propanol	1.73	<u>1.73</u>
Nitrobenzene	0.07	<u>0.07</u>
Para-Toluene Isocyanate	0.93	<u>0.93</u>
Toluene Diisocyanate (Mixed Isomers)	0.00	<u>0.00</u>
Methylene Diphenylene Diisocyanate	0.79	<u>0.79</u>
N-Methyl Acetamide**	19.70	<u>19.70</u>
Dimethyl Amine	9.37	<u>9.37</u>
Ethyl Amine	7.80	<u>7.80</u>
Trimethyl Amine	7.06	<u>7.06</u>
Triethyl Amine**	16.60	<u>16.60</u>
Diethylenetriamine**	13.03	<u>13.03</u>
Ethanolamine	5.97	<u>5.97</u>
Dimethylaminoethanol	4.76	<u>4.76</u>
Monoisopropanol Amine (1-Amino-2-Propanol)**	13.42	<u>13.42</u>
2-Amino-2-Methyl-1-Propanol**	15.08	<u>15.08</u>
Diethanol Amine	4.05	<u>4.05</u>
Triethanolamine	2.76	<u>2.76</u>
Methyl Pyrrolidone (N-Methyl-2-Pyrrolidone)	2.56	<u>2.56</u>
Morpholine**	15.43	<u>15.43</u>
Nitroethane**	12.79	<u>12.79</u>
Nitromethane**	7.86	<u>7.86</u>
1-Nitropropane**	16.16	<u>16.16</u>
2-Nitropropane**	16.16	<u>16.16</u>
Dexpanthenol (Pantothényl)**	9.35	<u>9.35</u>
Methyl Ethyl Ketoxime (Ethyl Methyl Ketone Oxime)**	22.04	<u>22.04</u>
Hydroxyethylethylene Urea**	14.75	<u>14.75</u>

Methyl Chloride	0.03	<u>0.03</u>
Methylene Chloride (Dichloromethane)	0.07	<u>0.07</u>
Methyl Bromide	0.02	<u>0.02</u>
Chloroform	0.03	<u>0.03</u>
<u>Carbon Tetrachloride*</u>	<u>0.00</u>	<u>0.00</u>
<u>Methylene Bromide*</u>	<u>0.00</u>	<u>0.00</u>
Vinyl Chloride	2.92	<u>2.92</u>
Ethyl Chloride	0.25	<u>0.25</u>
1,1-Dichloroethane	0.10	<u>0.10</u>
1,2-Dichloroethane	0.10	<u>0.10</u>
Ethyl Bromide	0.11	<u>0.11</u>
1,1,1-Trichloroethane	0.00	<u>0.00</u>
1,1,2-Trichloroethane	0.06	<u>0.06</u>
1,2-Dibromoethane	0.05	<u>0.05</u>
n-Propyl Bromide	0.35	<u>0.35</u>
n-Butyl Bromide	0.60	<u>0.60</u>
trans-1,2-Dichloroethene	0.81	<u>0.81</u>
Trichloroethylene	0.60	<u>0.60</u>
Perchloroethylene	0.04	<u>0.04</u>
2 (Chloro Methyl) 3-Chloro-Propene	1.13	<u>1.13</u>
Monochlorobenzene	0.36	<u>0.36</u>
p-Dichlorobenzene	0.20	<u>0.20</u>
Benzotrifluoride	0.26	<u>0.26</u>
PCBTf (p-Trifluoromethyl-CI-Benzene)	0.11	<u>0.11</u>
HFC-134a (1,1,1,2-Tetrafluoroethane)**	0.00	<u>0.00</u>
HFC-152a (1,1-Difluoroethane)**	0.00	<u>0.00</u>
Dimethyl Sulfoxide	6.90	<u>6.90</u>
<u>Unspeciated C6 Alkanes*</u>	<u>1.48</u>	<u>1.48</u>
<u>Unspeciated C7 Alkanes*</u>	<u>1.79</u>	<u>1.79</u>
<u>Unspeciated C8 Alkanes*</u>	<u>1.64</u>	<u>1.64</u>
<u>Unspeciated C9 Alkanes*</u>	<u>2.13</u>	<u>2.13</u>
<u>Unspeciated C10 Alkanes*</u>	<u>1.16</u>	<u>1.16</u>
<u>Unspeciated C11 Alkanes*</u>	<u>0.90</u>	<u>0.90</u>
<u>Unspeciated C12 Alkanes*</u>	<u>0.81</u>	<u>0.81</u>
<u>Unspeciated C13 Alkanes*</u>	<u>0.73</u>	<u>0.73</u>
<u>Unspeciated C14 Alkanes*</u>	<u>0.67</u>	<u>0.67</u>
<u>Unspeciated C15 Alkanes*</u>	<u>0.61</u>	<u>0.61</u>
<u>Unspeciated C16 Alkanes*</u>	<u>0.55</u>	<u>0.55</u>
<u>Unspeciated C17 Alkanes*</u>	<u>0.52</u>	<u>0.52</u>
<u>Unspeciated C18 Alkanes*</u>	<u>0.49</u>	<u>0.49</u>
<u>Unspeciated C10 Aromatics*</u>	<u>5.48</u>	<u>5.48</u>
<u>Unspeciated C11 Aromatics*</u>	<u>4.96</u>	<u>4.96</u>
<u>Unspeciated C12 Aromatics*</u>	<u>4.53</u>	<u>4.53</u>
Base ROG Mixture	3.71	<u>3.71</u>
Alkane, Mixed—Predominantly (Minimally 94%) C13-14	0.67	<u>0.67</u>
Oxo-Hexyl Acetate	1.03	<u>1.03</u>
Oxo-Heptyl Acetate	0.97	<u>0.97</u>
Oxo-Octyl Acetate	0.96	<u>0.96</u>

Oxo-Nonyl Acetate	0.85	<u>0.85</u>
Oxo-Decyl Acetate	0.83	<u>0.83</u>
Oxo-Dodecyl Acetate	0.72	<u>0.72</u>
Oxo-Tridecyl Acetate	0.67	<u>0.67</u>

	<i>Organic Compound</i>	<i>MIR Value (July 18, 2001)</i>	<i>New MIR Value (Effective Date)</i>
	<b>Alkanes</b>		
1	methane	0.01	0.014
2	ethane	0.31	0.26
3	propane	0.56	0.46
4	cyclopropane	0.10	0.08
5	n-butane	1.33	1.08
6	isobutane	1.35	1.17
7	cyclobutane	1.05	1.12
8	n-pentane	1.54	1.23
9	branched C5 alkane(s)	1.68	1.36
10	neopentane	0.69	0.64
11	isopentane	1.68	1.36
12	cyclopentane	2.69	2.25
13	n-hexane	1.45	1.15
14	branched C6 alkane(s)	1.53	1.23
15	2,2-dimethyl butane	1.33	1.11
16	2,3-dimethyl butane	1.14	0.91
17	2-methyl pentane	1.80	1.41
18	3-methyl pentane	2.07	1.70
19	C6 cycloalkane(s)	1.46	1.16
20	cyclohexane	1.46	1.16
21	isopropyl cyclopropane	1.52	1.15
22	methyl cyclopentane	2.42	2.06
23	unspeciated C6 alkane(s)	1.48	1.27
24	n-heptane	1.28	0.99
25	2,2,3-trimethyl butane	1.32	1.06
26	2,2-dimethyl pentane	1.22	1.05
27	2,3-dimethyl pentane	1.55	1.26
28	2,4-dimethyl pentane	1.65	1.46
29	2-methyl hexane	1.37	1.10
30	3,3-dimethyl pentane	1.32	1.13
31	3-methyl hexane	1.86	1.51
32	3-ethyl pentane*	1.79	1.79
33	branched C7 alkane(s)	1.63	1.39
34	1,1-dimethyl cyclopentane*	1.01	1.01
35	1,2-dimethyl cyclopentane*	1.87	1.87
36	C7 cycloalkane(s)	1.99	1.58
37	1,3-dimethyl cyclopentane	2.15	1.82
38	cycloheptane	2.26	1.83
39	ethyl cyclopentane	2.27	1.89
40	methyl cyclohexane	1.99	1.58
41	unspeciated C7 alkane(s)	1.79	1.28
42	n-octane	1.11	0.82
43	branched C8 alkane(s)	1.57	1.35
44	2,2,3,3-tetramethyl butane	0.44	0.31
45	2,2,4-trimethyl pentane	1.44	1.20
46	2,2-dimethyl hexane	1.13	0.95

47	<u>2,3,4-trimethyl pentane</u>	<u>1.23</u>	<u>0.96</u>
48	<u>2,3-dimethyl hexane</u>	<u>1.34</u>	<u>1.11</u>
49	<u>2,4-dimethyl hexane</u>	<u>1.80</u>	<u>1.62</u>
50	<u>2,5-dimethyl hexane</u>	<u>1.68</u>	<u>1.36</u>
51	<u>2-methyl heptane</u>	<u>1.20</u>	<u>0.99</u>
52	<u>3-methyl heptane</u>	<u>1.35</u>	<u>1.15</u>
53	<u>4-methyl heptane</u>	<u>1.48</u>	<u>1.16</u>
54	<u>2,3,3-trimethyl pentane*</u>	<u>0.95</u>	<u>0.95</u>
55	<u>3,3-dimethyl hexane*</u>	<u>1.16</u>	<u>1.16</u>
56	<u>2,2,3-trimethyl pentane*</u>	<u>1.15</u>	<u>1.15</u>
57	<u>3,4-dimethyl hexane*</u>	<u>1.41</u>	<u>1.41</u>
58	<u>3-ethyl 2-methyl pentane*</u>	<u>1.25</u>	<u>1.25</u>
59	<u>C8 bicycloalkane(s)</u>	<u>1.75</u>	<u>1.41</u>
60	<u>1,1,2-trimethyl cyclopentane*</u>	<u>1.04</u>	<u>1.04</u>
61	<u>1,1,3-trimethyl cyclopentane*</u>	<u>0.94</u>	<u>0.94</u>
62	<u>1,1-dimethyl cyclohexane*</u>	<u>1.13</u>	<u>1.13</u>
63	<u>1,2,3-trimethyl cyclopentane*</u>	<u>1.52</u>	<u>1.52</u>
64	<u>1,2,4-trimethyl cyclopentane*</u>	<u>1.43</u>	<u>1.43</u>
65	<u>1-methyl-3-ethyl cyclopentane*</u>	<u>1.53</u>	<u>1.53</u>
66	<u>1,2-dimethyl cyclohexane*</u>	<u>1.30</u>	<u>1.30</u>
67	<u>1,4-dimethyl cyclohexane*</u>	<u>1.51</u>	<u>1.51</u>
68	<u>C8 cycloalkane(s)</u>	<u>1.75</u>	<u>1.37</u>
69	<u>1,3-dimethyl cyclohexane</u>	<u>1.72</u>	<u>1.41</u>
70	<u>cyclooctane</u>	<u>1.73</u>	<u>1.35</u>
71	<u>ethyl cyclohexane</u>	<u>1.75</u>	<u>1.37</u>
72	<u>propyl cyclopentane</u>	<u>1.91</u>	<u>1.57</u>
73	<u>unspeciated C8 alkane(s)</u>	<u>1.64</u>	<u>1.19</u>
74	<u>n-nonane</u>	<u>0.95</u>	<u>0.71</u>
75	<u>branched C9 alkane(s)</u>	<u>1.25</u>	<u>1.05</u>
76	<u>2,2,5-trimethyl hexane</u>	<u>1.33</u>	<u>1.06</u>
77	<u>2,3,5-trimethyl hexane</u>	<u>1.33</u>	<u>1.14</u>
78	<u>2,4-dimethyl heptane</u>	<u>1.48</u>	<u>1.29</u>
79	<u>2-methyl octane</u>	<u>0.96</u>	<u>0.75</u>
80	<u>3,3-diethyl pentane</u>	<u>1.35</u>	<u>1.14</u>
81	<u>3,5-dimethyl heptane</u>	<u>1.63</u>	<u>1.45</u>
82	<u>4-ethyl heptane</u>	<u>1.44</u>	<u>1.13</u>
83	<u>4-methyl octane</u>	<u>1.08</u>	<u>0.87</u>
84	<u>2,4,4-trimethyl hexane*</u>	<u>1.26</u>	<u>1.26</u>
85	<u>3,3-dimethyl heptane*</u>	<u>1.05</u>	<u>1.05</u>
86	<u>4,4-dimethyl heptane*</u>	<u>1.19</u>	<u>1.19</u>
87	<u>2,2-dimethyl heptane*</u>	<u>0.93</u>	<u>0.93</u>
88	<u>2,2,4-trimethyl hexane*</u>	<u>1.19</u>	<u>1.19</u>
89	<u>2,6-dimethyl heptane*</u>	<u>0.96</u>	<u>0.96</u>
90	<u>2,3-dimethyl heptane*</u>	<u>1.01</u>	<u>1.01</u>
91	<u>2,5-dimethyl heptane*</u>	<u>1.25</u>	<u>1.25</u>
92	<u>3-methyl octane*</u>	<u>0.91</u>	<u>0.91</u>
93	<u>3,4-dimethyl heptane*</u>	<u>1.15</u>	<u>1.15</u>
94	<u>3-ethyl heptane*</u>	<u>1.01</u>	<u>1.01</u>
95	<u>cis-hydrindane; bicyclo[4.3.0]nonane*</u>	<u>1.20</u>	<u>1.20</u>
96	<u>C9 bicycloalkane(s)</u>	<u>1.57</u>	<u>1.28</u>

97	<u>1,2,3-trimethyl cyclohexane*</u>	<u>1.12</u>	<u>1.12</u>
98	<u>1,3,5-trimethyl cyclohexane*</u>	<u>1.06</u>	<u>1.06</u>
99	<u>1,1,3-trimethyl cyclohexane</u>	<u>1.37</u>	<u>1.11</u>
100	<u>1-ethyl-4-methyl cyclohexane</u>	<u>1.62</u>	<u>1.33</u>
101	<u>propyl cyclohexane</u>	<u>1.47</u>	<u>1.19</u>
102	<u>C9 cycloalkane(s)</u>	<u>1.55</u>	<u>1.26</u>
103	<u>unspeciated C9 alkane(s)</u>	<u>2.13</u>	<u>0.99</u>
104	<u>n-decane; n-C10</u>	<u>0.83</u>	<u>0.62</u>
105	<u>branched C10 alkane(s)</u>	<u>1.09</u>	<u>0.86</u>
106	<u>2,4,6-trimethyl heptane*</u>	<u>1.20</u>	<u>1.20</u>
107	<u>2,4-dimethyl octane</u>	<u>1.09</u>	<u>0.95</u>
108	<u>2,6-dimethyl octane</u>	<u>1.27</u>	<u>1.00</u>
109	<u>2-methyl nonane</u>	<u>0.86</u>	<u>0.65</u>
110	<u>3,4-diethyl hexane</u>	<u>1.20</u>	<u>0.83</u>
111	<u>3-methyl nonane</u>	<u>0.89</u>	<u>0.68</u>
112	<u>4-methyl nonane</u>	<u>0.99</u>	<u>0.78</u>
113	<u>4-propyl heptane</u>	<u>1.24</u>	<u>0.94</u>
114	<u>2,4,4-trimethyl heptane*</u>	<u>1.23</u>	<u>1.23</u>
115	<u>2,5,5-trimethyl heptane*</u>	<u>1.17</u>	<u>1.17</u>
116	<u>3,3-dimethyl octane*</u>	<u>1.01</u>	<u>1.01</u>
117	<u>4,4-dimethyl octane*</u>	<u>1.06</u>	<u>1.06</u>
118	<u>2,2-dimethyl octane*</u>	<u>0.77</u>	<u>0.77</u>
119	<u>2,2,4-trimethyl heptane*</u>	<u>1.09</u>	<u>1.09</u>
120	<u>2,2,5-trimethyl heptane*</u>	<u>1.18</u>	<u>1.18</u>
121	<u>2,3,6-trimethyl heptane*</u>	<u>0.82</u>	<u>0.82</u>
122	<u>2,3-dimethyl octane*</u>	<u>0.79</u>	<u>0.79</u>
123	<u>2,5-dimethyl octane*</u>	<u>0.94</u>	<u>0.94</u>
124	<u>2-methyl-3-ethyl heptane*</u>	<u>0.91</u>	<u>0.91</u>
125	<u>4-ethyl octane*</u>	<u>0.71</u>	<u>0.71</u>
126	<u>C10 bicycloalkane(s)</u>	<u>1.29</u>	<u>1.00</u>
127	<u>isobutyl cyclohexane; (2-methylpropyl) cyclohexane*</u>	<u>0.90</u>	<u>0.90</u>
128	<u>sec-butyl cyclohexane*</u>	<u>0.90</u>	<u>0.90</u>
129	<u>C10 cycloalkane(s)</u>	<u>1.27</u>	<u>0.99</u>
130	<u>1,3-diethyl cyclohexane</u>	<u>1.34</u>	<u>1.16</u>
131	<u>1,4-diethyl cyclohexane</u>	<u>1.49</u>	<u>1.14</u>
132	<u>1-methyl-3-isopropyl cyclohexane</u>	<u>1.26</u>	<u>0.92</u>
133	<u>butyl cyclohexane</u>	<u>1.07</u>	<u>0.90</u>
134	<u>unspeciated C10 alkane(s)</u>	<u>1.16</u>	<u>0.82</u>
135	<u>n-undecane; n-C11</u>	<u>0.74</u>	<u>0.55</u>
136	<u>branched C11 alkane(s)</u>	<u>0.87</u>	<u>0.66</u>
137	<u>2,3,4,6-tetramethyl heptane</u>	<u>1.26</u>	<u>1.03</u>
138	<u>2,6-dimethyl nonane</u>	<u>0.95</u>	<u>0.72</u>
139	<u>3,5-diethyl heptane</u>	<u>1.21</u>	<u>1.02</u>
140	<u>3-methyl decane</u>	<u>0.77</u>	<u>0.58</u>
141	<u>4-methyl decane</u>	<u>0.80</u>	<u>0.61</u>
142	<u>C11 bicycloalkane(s)</u>	<u>1.01</u>	<u>0.83</u>
143	<u>C11 cycloalkane(s)</u>	<u>0.99</u>	<u>0.82</u>
144	<u>1,3-diethyl-5-methyl cyclohexane</u>	<u>1.11</u>	<u>0.96</u>
145	<u>1-ethyl-2-propyl cyclohexane</u>	<u>0.95</u>	<u>0.73</u>
146	<u>pentyl cyclohexane</u>	<u>0.91</u>	<u>0.77</u>

147	<u>unspeciated C11 alkane(s)</u>	<u>0.90</u>	<u>0.67</u>
148	<u>n-dodecane; n-C12</u>	<u>0.66</u>	<u>0.50</u>
149	<u>branched C12 alkane(s)</u>	<u>0.80</u>	<u>0.56</u>
150	<u>2,3,5,7-tetramethyl octane</u>	<u>1.06</u>	<u>0.84</u>
151	<u>2,6-diethyl octane</u>	<u>1.09</u>	<u>0.89</u>
152	<u>3,6-dimethyl decane</u>	<u>0.88</u>	<u>0.62</u>
153	<u>3-methyl undecane</u>	<u>0.70</u>	<u>0.53</u>
154	<u>5-methyl undecane</u>	<u>0.72</u>	<u>0.49</u>
155	<u>C12 tricycloalkane(s)*</u>	<u>0.74</u>	<u>0.74</u>
156	<u>C12 bicycloalkane(s)</u>	<u>0.88</u>	<u>0.73</u>
157	<u>C12 cycloalkane(s)</u>	<u>0.87</u>	<u>0.72</u>
158	<u>1,3,5-triethyl cyclohexane</u>	<u>1.06</u>	<u>0.94</u>
159	<u>1-methyl-4-pentyl cyclohexane</u>	<u>0.81</u>	<u>0.65</u>
160	<u>hexyl cyclohexane</u>	<u>0.75</u>	<u>0.57</u>
161	<u>unspeciated C12 alkane(s)</u>	<u>0.81</u>	<u>0.61</u>
162	<u>n-tridecane; n-C-13</u>	<u>0.62</u>	<u>0.47</u>
163	<u>branched C13 alkane(s)</u>	<u>0.73</u>	<u>0.54</u>
164	<u>2,3,6-trimethyl 4-isopropyl heptane</u>	<u>1.24</u>	<u>0.85</u>
165	<u>2,4,6,8-tetramethyl nonane</u>	<u>0.94</u>	<u>0.69</u>
166	<u>3,6-dimethyl undecane</u>	<u>0.82</u>	<u>0.62</u>
167	<u>3,7-diethyl nonane</u>	<u>1.08</u>	<u>0.81</u>
168	<u>3-methyl dodecane</u>	<u>0.64</u>	<u>0.49</u>
169	<u>5-methyl dodecane</u>	<u>0.64</u>	<u>0.41</u>
170	<u>C13 tricycloalkane(s)*</u>	<u>0.64</u>	<u>0.64</u>
171	<u>C13 bicycloalkane(s)</u>	<u>0.79</u>	<u>0.64</u>
172	<u>C13 cycloalkane(s)</u>	<u>0.78</u>	<u>0.63</u>
173	<u>1,3-diethyl-5-propyl cyclohexane</u>	<u>0.96</u>	<u>0.89</u>
174	<u>1-methyl-2-hexyl cyclohexane</u>	<u>0.70</u>	<u>0.52</u>
175	<u>heptyl cyclohexane</u>	<u>0.66</u>	<u>0.49</u>
176	<u>unspeciated C13 alkane(s)</u>	<u>0.73</u>	<u>0.56</u>
177	<u>n-tetradecane; n-C14</u>	<u>0.58</u>	<u>0.46</u>
178	<u>branched C14 alkane(s)</u>	<u>0.67</u>	<u>0.49</u>
179	<u>2,4,5,6,8-pentamethyl nonane</u>	<u>1.11</u>	<u>0.87</u>
180	<u>2-methyl 3,5-diisopropyl heptane</u>	<u>0.78</u>	<u>0.49</u>
181	<u>3,7-dimethyl dodecane</u>	<u>0.74</u>	<u>0.56</u>
182	<u>3,8-diethyl decane</u>	<u>0.68</u>	<u>0.53</u>
183	<u>3-methyl tridecane</u>	<u>0.57</u>	<u>0.45</u>
184	<u>6-methyl tridecane</u>	<u>0.62</u>	<u>0.40</u>
185	<u>C14 tricycloalkane(s)*</u>	<u>0.60</u>	<u>0.60</u>
186	<u>C14 bicycloalkane(s)</u>	<u>0.71</u>	<u>0.59</u>
187	<u>C14 cycloalkane(s)</u>	<u>0.71</u>	<u>0.59</u>
188	<u>1,3-dipropyl-5-ethyl cyclohexane</u>	<u>0.94</u>	<u>0.84</u>
189	<u>trans-1-methyl-4-heptyl cyclohexane</u>	<u>0.58</u>	<u>0.47</u>
190	<u>octyl cyclohexane</u>	<u>0.60</u>	<u>0.45</u>
191	<u>unspeciated C14 alkane(s)</u>	<u>0.67</u>	<u>0.52</u>
192	<u>n-pentadecane; n-C15</u>	<u>0.53</u>	<u>0.44</u>
193	<u>branched C15 alkane(s)</u>	<u>0.60</u>	<u>0.45</u>
194	<u>2,6,8-trimethyl 4-isopropyl nonane</u>	<u>0.76</u>	<u>0.57</u>
195	<u>3,7-dimethyl tridecane</u>	<u>0.64</u>	<u>0.50</u>
196	<u>3,9-diethyl undecane</u>	<u>0.62</u>	<u>0.46</u>

197	<u>3-methyl tetradecane</u>	<u>0.53</u>	<u>0.43</u>
198	<u>6-methyl tetradecane</u>	<u>0.57</u>	<u>0.37</u>
199	<u>C15 tricycloalkane(s)*</u>	<u>0.56</u>	<u>0.56</u>
200	<u>C15 bicycloalkane(s)</u>	<u>0.69</u>	<u>0.56</u>
201	<u>C15 cycloalkane(s)</u>	<u>0.68</u>	<u>0.55</u>
202	<u>1,3,5-tripropyl cyclohexane</u>	<u>0.90</u>	<u>0.81</u>
203	<u>1-methyl-2-octyl cyclohexane</u>	<u>0.60</u>	<u>0.45</u>
204	<u>nonyl cyclohexane</u>	<u>0.54</u>	<u>0.41</u>
205	<u>1,3-diethyl-5-pentyl cyclohexane</u>	<u>0.99</u>	<u>0.61</u>
206	<u>unspeciated C15 alkane(s)</u>	<u>0.61</u>	<u>0.49</u>
207	<u>n-hexadecane; n-C16</u>	<u>0.52</u>	<u>0.39</u>
208	<u>branched C16 alkane(s)</u>	<u>0.54</u>	<u>0.42</u>
209	<u>2,7-dimethyl 3,5-diisopropyl heptane</u>	<u>0.69</u>	<u>0.47</u>
210	<u>3-methyl pentadecane</u>	<u>0.50</u>	<u>0.41</u>
211	<u>4,8-dimethyl tetradecane</u>	<u>0.55</u>	<u>0.44</u>
212	<u>7-methyl pentadecane</u>	<u>0.51</u>	<u>0.40</u>
213	<u>C16 tricycloalkane(s)*</u>	<u>0.53</u>	<u>0.53</u>
214	<u>C16 bicycloalkane(s)*</u>	<u>0.52</u>	<u>0.52</u>
215	<u>C16 cycloalkane(s)</u>	<u>0.61</u>	<u>0.49</u>
216	<u>1,3-propyl-5-butyl cyclohexane</u>	<u>0.77</u>	<u>0.69</u>
217	<u>1-methyl-4-nonyl cyclohexane</u>	<u>0.55</u>	<u>0.41</u>
218	<u>decyl cyclohexane</u>	<u>0.50</u>	<u>0.38</u>
219	<u>unspeciated C16 alkane(s)</u>	<u>0.55</u>	<u>0.45</u>
220	<u>n-heptadecane; n-C17</u>	<u>0.49</u>	<u>0.37</u>
221	<u>branched C17 alkane(s)</u>	<u>0.51</u>	<u>0.40</u>
222	<u>C17 tricycloalkane(s)*</u>	<u>0.50</u>	<u>0.50</u>
223	<u>C17 bicycloalkane(s)*</u>	<u>0.49</u>	<u>0.49</u>
224	<u>C17 cycloalkane(s)*</u>	<u>0.46</u>	<u>0.46</u>
225	<u>unspeciated C17 alkane(s)</u>	<u>0.52</u>	<u>0.43</u>
226	<u>n-octadecane; n-C18</u>	<u>0.44</u>	<u>0.35</u>
227	<u>branched C18 alkane(s)</u>	<u>0.48</u>	<u>0.37</u>
228	<u>C18 tricycloalkane(s)*</u>	<u>0.47</u>	<u>0.47</u>
229	<u>C18 bicycloalkane(s)*</u>	<u>0.46</u>	<u>0.46</u>
230	<u>C18 cycloalkane(s)*</u>	<u>0.44</u>	<u>0.44</u>
231	<u>unspeciated C18 alkane(s)</u>	<u>0.49</u>	<u>0.40</u>
232	<u>n-nonadecane; n-C19</u>	<u>0.44</u>	<u>0.33</u>
233	<u>branched C19 alkane(s)*</u>	<u>0.35</u>	<u>0.35</u>
234	<u>C19 tricycloalkane(s)*</u>	<u>0.44</u>	<u>0.44</u>
235	<u>C19 bicycloalkane(s)*</u>	<u>0.44</u>	<u>0.44</u>
236	<u>C19 cycloalkane(s)*</u>	<u>0.42</u>	<u>0.42</u>
237	<u>n-eicosane; icosane; n-C20</u>	<u>0.42</u>	<u>0.31</u>
238	<u>branched C20 alkane(s)*</u>	<u>0.34</u>	<u>0.34</u>
239	<u>C20 tricycloalkane(s)*</u>	<u>0.42</u>	<u>0.42</u>
240	<u>C20 bicycloalkane(s)*</u>	<u>0.42</u>	<u>0.42</u>
241	<u>C20 cycloalkane(s)*</u>	<u>0.39</u>	<u>0.39</u>
242	<u>n-henicosane; n-C21</u>	<u>0.40</u>	<u>0.30</u>
243	<u>branched C21 alkane(s)*</u>	<u>0.32</u>	<u>0.32</u>
244	<u>C21 tricycloalkane(s)*</u>	<u>0.40</u>	<u>0.40</u>
245	<u>C21 bicycloalkane(s)*</u>	<u>0.40</u>	<u>0.40</u>
246	<u>C21 cycloalkane(s)*</u>	<u>0.38</u>	<u>0.38</u>



247	<u>n-docosane, n-C22</u>	<u>0.38</u>	<u>0.29</u>
248	<u>branched C22 alkane(s)*</u>	<u>0.31</u>	<u>0.31</u>
249	<u>C22 tricycloalkane(s)*</u>	<u>0.38</u>	<u>0.38</u>
250	<u>C22 bicycloalkane(s)*</u>	<u>0.38</u>	<u>0.38</u>
251	<u>C22 cycloalkane(s)*</u>	<u>0.36</u>	<u>0.36</u>
	<b><u>Alkenes</u></b>		
252	<u>ethene</u>	<u>9.08</u>	<u>8.76</u>
253	<u>propene</u>	<u>11.58</u>	<u>11.37</u>
254	<u>1,2-propadiene; allene*</u>	<u>8.11</u>	<u>8.11</u>
255	<u>1-butene</u>	<u>10.29</u>	<u>9.42</u>
256	<u>C4 terminal alkenes</u>	<u>10.29</u>	<u>9.42</u>
257	<u>isobutene</u>	<u>6.35</u>	<u>6.14</u>
258	<u>cis-2-butene</u>	<u>13.22</u>	<u>13.89</u>
259	<u>trans-2-butene</u>	<u>13.91</u>	<u>14.79</u>
260	<u>C4 internal alkenes</u>	<u>13.57</u>	<u>14.34</u>
261	<u>1,2-butadiene*</u>	<u>9.03</u>	<u>9.03</u>
262	<u>1,3-butadiene</u>	<u>13.58</u>	<u>12.21</u>
263	<u>C4 alkenes</u>	<u>11.93</u>	<u>11.88</u>
264	<u>1-pentene</u>	<u>7.79</u>	<u>6.97</u>
265	<u>3-methyl-1-butene</u>	<u>6.99</u>	<u>6.76</u>
266	<u>C5 terminal alkenes</u>	<u>7.79</u>	<u>6.97</u>
267	<u>2-methyl-1-butene</u>	<u>6.51</u>	<u>6.23</u>
268	<u>2-methyl-2-butene</u>	<u>14.45</u>	<u>13.72</u>
269	<u>cis-2-pentene</u>	<u>10.24</u>	<u>10.07</u>
270	<u>trans-2-pentene</u>	<u>10.23</u>	<u>10.25</u>
271	<u>2-pentenenes</u>	<u>10.23</u>	<u>10.16</u>
272	<u>C5 internal alkenes</u>	<u>10.23</u>	<u>10.16</u>
273	<u>cyclopentene</u>	<u>7.38</u>	<u>6.55</u>
274	<u>trans-1,3-pentadiene*</u>	<u>12.10</u>	<u>12.10</u>
275	<u>cis-1,3-pentadiene*</u>	<u>12.10</u>	<u>12.10</u>
276	<u>1,4-pentadiene*</u>	<u>8.92</u>	<u>8.92</u>
277	<u>1,2-pentadiene*</u>	<u>7.59</u>	<u>7.59</u>
278	<u>3-methyl-1,2-butadiene*</u>	<u>9.95</u>	<u>9.95</u>
279	<u>isoprene; 2-methyl-1,3-butadiene</u>	<u>10.69</u>	<u>10.28</u>
280	<u>cyclopentadiene</u>	<u>7.61</u>	<u>6.75</u>
281	<u>C5 alkenes</u>	<u>9.01</u>	<u>8.57</u>
282	<u>1-hexene</u>	<u>6.17</u>	<u>5.28</u>
283	<u>3,3-dimethyl-1-butene</u>	<u>6.06</u>	<u>5.61</u>
284	<u>3-methyl-1-pentene</u>	<u>6.22</u>	<u>5.93</u>
285	<u>4-methyl-1-pentene</u>	<u>6.26</u>	<u>5.48</u>
286	<u>C6 terminal alkenes</u>	<u>6.17</u>	<u>5.28</u>
287	<u>2,3-dimethyl-1-butene</u>	<u>4.77</u>	<u>4.61</u>
288	<u>2-ethyl-1-butene</u>	<u>5.04</u>	<u>4.93</u>
289	<u>2-methyl-1-pentene</u>	<u>5.18</u>	<u>5.12</u>
290	<u>2,3-dimethyl-2-butene</u>	<u>13.32</u>	<u>12.13</u>
291	<u>2-methyl-2-pentene</u>	<u>12.28</u>	<u>10.70</u>
292	<u>cis 4-methyl-2-pentene*</u>	<u>7.88</u>	<u>7.88</u>
293	<u>cis-2-hexene</u>	<u>8.44</u>	<u>8.06</u>
294	<u>cis-3-hexene</u>	<u>8.22</u>	<u>7.33</u>
295	<u>cis-3-methyl-2-pentene</u>	<u>12.84</u>	<u>12.15</u>

296	<u>trans-3-methyl-2-pentene*</u>	<u>14.17</u>	<u>12.81</u>
297	<u>trans-4-methyl-2-pentene*</u>	<u>7.88</u>	<u>7.88</u>
298	<u>trans-2-hexene</u>	<u>8.44</u>	<u>8.37</u>
299	<u>trans-3-hexene</u>	<u>8.16</u>	<u>7.30</u>
300	<u>2-hexenes</u>	<u>8.44</u>	<u>8.21</u>
301	<u>C6 internal alkenes</u>	<u>8.44</u>	<u>8.21</u>
302	<u>3-methyl cyclopentene*</u>	<u>4.92</u>	<u>4.92</u>
303	<u>1-methyl cyclopentene</u>	<u>13.95</u>	<u>12.11</u>
304	<u>cyclohexene</u>	<u>5.45</u>	<u>4.81</u>
305	<u>trans,trans-2,4-hexadiene*</u>	<u>8.57</u>	<u>8.57</u>
306	<u>trans-1,3-hexadiene*</u>	<u>10.03</u>	<u>10.03</u>
307	<u>trans-1,4-hexadiene*</u>	<u>8.36</u>	<u>8.36</u>
308	<u>C6 cyclic olefins or di-olefins</u>	<u>8.65</u>	<u>8.41</u>
309	<u>C6 alkenes</u>	<u>6.88</u>	<u>6.75</u>
310	<u>trans-4-methyl-2-hexene</u>	<u>7.88</u>	<u>6.96</u>
311	<u>trans-3-methyl-2-hexene</u>	<u>14.17</u>	<u>9.80</u>
312	<u>2,3-dimethyl-2-hexene</u>	<u>10.41</u>	<u>8.28</u>
313	<u>1-heptene</u>	<u>4.20</u>	<u>4.25</u>
314	<u>3,4-dimethyl-1-pentene*</u>	<u>4.66</u>	<u>4.66</u>
315	<u>3-methyl-1-hexene*</u>	<u>4.24</u>	<u>4.24</u>
316	<u>2,4-dimethyl-1-pentene*</u>	<u>5.81</u>	<u>5.81</u>
317	<u>2,3-dimethyl-1-pentene*</u>	<u>4.97</u>	<u>4.97</u>
318	<u>3,3-dimethyl-1-pentene*</u>	<u>4.71</u>	<u>4.71</u>
319	<u>2-methyl-1-hexene*</u>	<u>4.92</u>	<u>4.92</u>
320	<u>2,3,3-trimethyl-1-butene</u>	<u>4.62</u>	<u>4.33</u>
321	<u>C7 terminal alkenes</u>	<u>4.20</u>	<u>4.25</u>
322	<u>4,4-dimethyl-cis-2-pentene*</u>	<u>6.45</u>	<u>6.45</u>
323	<u>2,4-dimethyl-2-pentene*</u>	<u>9.03</u>	<u>9.03</u>
324	<u>2-methyl-2-hexene*</u>	<u>9.22</u>	<u>9.22</u>
325	<u>3-ethyl-2-pentene*</u>	<u>9.49</u>	<u>9.49</u>
326	<u>3-methyl-trans-3-hexene*</u>	<u>9.44</u>	<u>9.44</u>
327	<u>cis-2-heptene*</u>	<u>6.94</u>	<u>6.94</u>
328	<u>2-methyl-trans-3-hexene*</u>	<u>6.03</u>	<u>6.03</u>
329	<u>3-methyl-cis-3-hexene*</u>	<u>9.44</u>	<u>9.44</u>
330	<u>3,4-dimethyl-cis-2-pentene*</u>	<u>8.91</u>	<u>8.91</u>
331	<u>2,3-dimethyl-2-pentene*</u>	<u>10.41</u>	<u>9.45</u>
332	<u>cis-3-heptene</u>	<u>6.96</u>	<u>6.10</u>
333	<u>trans-4,4-dimethyl-2-pentene</u>	<u>6.99</u>	<u>6.45</u>
334	<u>trans-2-heptene</u>	<u>7.33</u>	<u>6.92</u>
335	<u>trans-3-heptene</u>	<u>6.96</u>	<u>6.09</u>
336	<u>cis-3-methyl-2-hexene</u>	<u>13.38</u>	<u>9.80</u>
337	<u>2-heptenes</u>	<u>6.96</u>	<u>6.09</u>
338	<u>C7 internal alkenes</u>	<u>6.96</u>	<u>6.09</u>
339	<u>1-methyl cyclohexene</u>	<u>7.81</u>	<u>6.41</u>
340	<u>4-methyl cyclohexene</u>	<u>4.48</u>	<u>4.02</u>
341	<u>C7 cyclic olefins or di-olefins</u>	<u>7.49</u>	<u>7.07</u>
342	<u>C7 alkenes</u>	<u>5.76</u>	<u>5.17</u>
343	<u>1-octene</u>	<u>3.45</u>	<u>3.12</u>
344	<u>C8 terminal alkenes</u>	<u>3.45</u>	<u>3.12</u>
345	<u>2,4,4-trimethyl-1-pentene*</u>	<u>3.24</u>	<u>3.24</u>

346	<u>3-methyl-2-isopropyl-1-butene</u>	<u>3.29</u>	<u>3.17</u>
347	<u>trans-2-octene*</u>	<u>5.81</u>	<u>5.81</u>
348	<u>2-methyl-2-heptene*</u>	<u>8.10</u>	<u>8.10</u>
349	<u>cis-4-octene</u>	<u>5.94</u>	<u>4.55</u>
350	<u>trans-2,2-dimethyl 3-hexene</u>	<u>5.97</u>	<u>4.81</u>
351	<u>trans-2,5-dimethyl 3-hexene</u>	<u>5.44</u>	<u>4.63</u>
352	<u>trans-3-octene</u>	<u>6.13</u>	<u>5.14</u>
353	<u>trans-4-octene</u>	<u>5.90</u>	<u>4.63</u>
354	<u>3-octenes</u>	<u>6.13</u>	<u>5.14</u>
355	<u>C8 internal alkenes</u>	<u>5.90</u>	<u>4.63</u>
356	<u>2,4,4-trimethyl-2-pentene</u>	<u>8.52</u>	<u>6.13</u>
357	<u>1,2-dimethyl cyclohexene</u>	<u>6.77</u>	<u>5.43</u>
358	<u>C8 cyclic olefins or di-olefins</u>	<u>6.01</u>	<u>4.71</u>
359	<u>C8 alkenes</u>	<u>4.68</u>	<u>3.88</u>
360	<u>1-nonene</u>	<u>2.76</u>	<u>2.48</u>
361	<u>C9 terminal alkenes</u>	<u>2.76</u>	<u>2.48</u>
362	<u>4,4-dimethyl-1-pentene*</u>	<u>3.00</u>	<u>3.00</u>
363	<u>4-nonene*</u>	<u>4.37</u>	<u>4.37</u>
364	<u>3-nonenes</u>	<u>5.31</u>	<u>4.37</u>
365	<u>C9 internal alkenes</u>	<u>5.31</u>	<u>4.37</u>
366	<u>trans-4-nonene</u>	<u>5.23</u>	<u>4.37</u>
367	<u>C9 cyclic olefins or di-olefins</u>	<u>5.40</u>	<u>4.44</u>
368	<u>C9 alkenes</u>	<u>4.03</u>	<u>3.43</u>
369	<u>1-decene</u>	<u>2.28</u>	<u>2.07</u>
370	<u>C10 terminal alkenes</u>	<u>2.28</u>	<u>2.07</u>
371	<u>3,4-diethyl-2-hexene</u>	<u>3.95</u>	<u>3.25</u>
372	<u>cis-5-decene</u>	<u>4.89</u>	<u>3.52</u>
373	<u>trans-4-decene</u>	<u>4.50</u>	<u>3.72</u>
374	<u>C10 3-alkenes</u>	<u>4.50</u>	<u>3.72</u>
375	<u>C10 internal alkenes</u>	<u>4.50</u>	<u>3.72</u>
376	<u>C10 cyclic olefins or di-olefins</u>	<u>4.56</u>	<u>3.78</u>
377	<u>3-carene</u>	<u>3.21</u>	<u>3.13</u>
378	<u><math>\alpha</math>-pinene</u>	<u>4.29</u>	<u>4.38</u>
379	<u><math>\beta</math>-pinene</u>	<u>3.28</u>	<u>3.38</u>
380	<u><math>\alpha</math>-limonene</u>	<u>3.99</u>	<u>4.40</u>
381	<u>sabinene</u>	<u>3.67</u>	<u>4.01</u>
382	<u>terpinolene*</u>	<u>6.16</u>	<u>6.16</u>
383	<u>camphene*</u>	<u>4.38</u>	<u>4.38</u>
384	<u>terpene (monoterpenes)</u>	<u>3.79</u>	<u>3.91</u>
385	<u>C10 alkenes</u>	<u>3.39</u>	<u>3.17</u>
386	<u>1-undecene</u>	<u>1.95</u>	<u>1.78</u>
387	<u>C11 terminal alkenes</u>	<u>1.95</u>	<u>1.78</u>
388	<u>trans-5-undecene</u>	<u>4.23</u>	<u>3.46</u>
389	<u>C11 3-alkenes</u>	<u>4.23</u>	<u>3.46</u>
390	<u>C11 internal alkenes</u>	<u>4.23</u>	<u>3.46</u>
391	<u>C11 cyclic olefins or di-olefins</u>	<u>4.29</u>	<u>3.50</u>
392	<u>C11 alkenes</u>	<u>3.09</u>	<u>2.62</u>
393	<u>C12 terminal alkenes</u>	<u>1.72</u>	<u>1.56</u>
394	<u>1-dodecene</u>	<u>1.72</u>	<u>1.56</u>
395	<u>C12 2-alkenes</u>	<u>3.75</u>	<u>3.02</u>

396	<u>C12 3-alkenes</u>	<u>3.75</u>	<u>3.02</u>
397	<u>C12 internal alkenes</u>	<u>3.75</u>	<u>3.02</u>
398	<u>trans-5-dodecene</u>	<u>3.74</u>	<u>3.02</u>
399	<u>C12 cyclic olefins or di-olefins</u>	<u>3.79</u>	<u>3.05</u>
400	<u>C12 alkenes</u>	<u>2.73</u>	<u>2.29</u>
401	<u>1-tridecene</u>	<u>1.55</u>	<u>1.41</u>
402	<u>C13 terminal alkenes</u>	<u>1.55</u>	<u>1.41</u>
403	<u>trans-5-tridecene</u>	<u>3.38</u>	<u>2.49</u>
404	<u>C13 3-alkenes</u>	<u>3.38</u>	<u>2.49</u>
405	<u>C13 internal alkenes</u>	<u>3.38</u>	<u>2.49</u>
406	<u>C13 cyclic olefins or di-olefins</u>	<u>3.42</u>	<u>2.51</u>
407	<u>C13 alkenes</u>	<u>2.46</u>	<u>1.95</u>
408	<u>1-tetradecene</u>	<u>1.41</u>	<u>1.27</u>
409	<u>C14 terminal alkenes</u>	<u>1.41</u>	<u>1.27</u>
410	<u>trans-5-tetradecene</u>	<u>3.08</u>	<u>2.26</u>
411	<u>C14 3-alkenes</u>	<u>3.08</u>	<u>2.26</u>
412	<u>C14 internal alkenes</u>	<u>3.08</u>	<u>2.26</u>
413	<u>C14 cyclic olefins or di-olefins</u>	<u>3.11</u>	<u>2.29</u>
414	<u>C14 alkenes</u>	<u>2.28</u>	<u>1.77</u>
415	<u>1-pentadecene</u>	<u>1.27</u>	<u>1.19</u>
416	<u>C15 terminal alkenes</u>	<u>1.27</u>	<u>1.19</u>
417	<u>trans-5-pentadecene</u>	<u>2.82</u>	<u>2.08</u>
418	<u>C15 3-alkenes</u>	<u>2.82</u>	<u>2.08</u>
419	<u>C15 internal alkenes</u>	<u>2.82</u>	<u>2.08</u>
420	<u>C15 cyclic olefins or di-olefins</u>	<u>2.85</u>	<u>2.10</u>
421	<u>C15 alkenes</u>	<u>2.06</u>	<u>1.63</u>
	<b><u>Aromatic Hydrocarbons</u></b>		
422	<u>benzene</u>	<u>0.81</u>	<u>0.69</u>
423	<u>toluene</u>	<u>3.97</u>	<u>3.88</u>
424	<u>ethyl benzene</u>	<u>2.79</u>	<u>2.93</u>
425	<u>m-xylene</u>	<u>10.61</u>	<u>9.52</u>
426	<u>o-xylene</u>	<u>7.49</u>	<u>7.44</u>
427	<u>p-xylene</u>	<u>4.25</u>	<u>5.69</u>
428	<u>C8 disubstituted benzenes</u>	<u>7.48</u>	<u>7.57</u>
429	<u>isomers of ethylbenzene</u>	<u>5.16</u>	<u>6.39</u>
430	<u>styrene</u>	<u>1.95</u>	<u>1.65</u>
431	<u>unspeciated C8 aromatics*</u>	<u>7.42</u>	<u>7.42</u>
432	<u>C9 monosubstituted benzenes</u>	<u>2.20</u>	<u>1.95</u>
433	<u>n-propyl benzene</u>	<u>2.20</u>	<u>1.95</u>
434	<u>isopropyl benzene; cumene</u>	<u>2.32</u>	<u>2.43</u>
435	<u>C9 disubstituted benzenes</u>	<u>6.61</u>	<u>5.65</u>
436	<u>m-ethyl toluene</u>	<u>9.37</u>	<u>7.21</u>
437	<u>o-ethyl toluene</u>	<u>6.61</u>	<u>5.43</u>
438	<u>p-ethyl toluene</u>	<u>3.75</u>	<u>4.32</u>
439	<u>C9 trisubstituted benzenes</u>	<u>9.90</u>	<u>10.58</u>
440	<u>1,2,3-trimethyl benzene</u>	<u>11.26</u>	<u>11.66</u>
441	<u>1,2,4-trimethyl benzene</u>	<u>7.18</u>	<u>8.64</u>
442	<u>1,3,5-trimethyl benzene</u>	<u>11.22</u>	<u>11.44</u>
443	<u>isomers of propyl benzene</u>	<u>6.12</u>	<u>6.06</u>
444	<u>indene</u>	<u>3.21</u>	<u>1.48</u>

445	<u>indane</u>	<u>3.17</u>	<u>3.20</u>
446	<u>allylbenzene*</u>	<u>1.45</u>	<u>1.45</u>
447	<u>α-methyl styrene</u>	<u>1.72</u>	<u>1.45</u>
448	<u>C9 styrenes</u>	<u>1.72</u>	<u>1.45</u>
449	<u>β-methyl styrene*</u>	<u>0.95</u>	<u>0.95</u>
450	<u>unspeciated C9 aromatics*</u>	<u>7.92</u>	<u>7.92</u>
451	<u>C10 monosubstituted benzenes</u>	<u>1.97</u>	<u>2.27</u>
452	<u>n-butyl benzene</u>	<u>1.97</u>	<u>2.27</u>
453	<u>sec-butyl benzene</u>	<u>1.97</u>	<u>2.27</u>
454	<u>tert-butyl benzene*</u>	<u>1.89</u>	<u>1.89</u>
455	<u>o-cymene; 1-methyl-2-(1-methylethyl) benzene*</u>	<u>5.34</u>	<u>5.34</u>
456	<u>1-methyl-2-n-propyl benzene*</u>	<u>5.34</u>	<u>5.34</u>
457	<u>m-cymene; 1-methyl-3-(1-methylethyl) benzene*</u>	<u>6.92</u>	<u>6.92</u>
458	<u>1-methyl-3-n-propyl benzene*</u>	<u>6.92</u>	<u>6.92</u>
459	<u>1-methyl-4-n-propyl benzene*</u>	<u>4.31</u>	<u>4.31</u>
460	<u>C10 disubstituted benzenes</u>	<u>5.92</u>	<u>5.53</u>
461	<u>m-C10 disubstituted benzenes*</u>	<u>6.92</u>	<u>6.92</u>
462	<u>o-C10 disubstituted benzenes*</u>	<u>5.34</u>	<u>5.34</u>
463	<u>p-C10 disubstituted benzenes*</u>	<u>4.31</u>	<u>4.31</u>
464	<u>m-diethyl benzene</u>	<u>8.39</u>	<u>6.92</u>
465	<u>o-diethyl benzene</u>	<u>5.92</u>	<u>5.34</u>
466	<u>1-methyl-4-isopropyl benzene; p-cymene*</u>	<u>4.32</u>	<u>4.32</u>
467	<u>p-diethyl benzene</u>	<u>3.36</u>	<u>4.31</u>
468	<u>1,2,3-C10 trisubstituted benzenes*</u>	<u>9.89</u>	<u>9.89</u>
469	<u>1,2,4-C10 trisubstituted benzenes*</u>	<u>7.35</u>	<u>7.35</u>
470	<u>1,3,5-C10 trisubstituted benzenes*</u>	<u>9.80</u>	<u>9.80</u>
471	<u>1,2,3,4-tetramethyl benzene*</u>	<u>9.01</u>	<u>9.01</u>
472	<u>1,2,4,5-tetramethyl benzene*</u>	<u>9.01</u>	<u>9.01</u>
473	<u>1,2-dimethyl-3-ethyl benzene*</u>	<u>9.89</u>	<u>9.89</u>
474	<u>1,2-dimethyl-4-ethyl benzene *</u>	<u>7.35</u>	<u>7.35</u>
475	<u>1,3-dimethyl-2-ethyl benzene *</u>	<u>9.89</u>	<u>9.89</u>
476	<u>1,3-dimethyl-4-ethyl benzene*</u>	<u>7.35</u>	<u>7.35</u>
477	<u>1,3-dimethyl-5-ethyl benzene*</u>	<u>9.80</u>	<u>9.80</u>
478	<u>1,4-dimethyl-2-ethyl benzene*</u>	<u>7.35</u>	<u>7.35</u>
479	<u>1,2,3,5-tetramethyl benzene</u>	<u>8.25</u>	<u>9.01</u>
480	<u>C10 trisubstituted benzenes</u>	<u>8.86</u>	<u>9.01</u>
481	<u>C10 tetrasubstituted benzenes</u>	<u>8.86</u>	<u>9.01</u>
482	<u>butylbenzenes</u>	<u>5.48</u>	<u>5.60</u>
483	<u>methyl indanes</u>	<u>2.83</u>	<u>2.86</u>
484	<u>tetralin; 1,2,3,4-tetrahydronaphthalene</u>	<u>2.83</u>	<u>2.86</u>
485	<u>naphthalene</u>	<u>3.26</u>	<u>3.24</u>
486	<u>C10 styrenes</u>	<u>1.53</u>	<u>1.30</u>
487	<u>unspeciated C10 aromatics</u>	<u>5.48</u>	<u>7.03</u>
488	<u>n-pentyl benzene*</u>	<u>2.04</u>	<u>2.04</u>
489	<u>C11 monosubstituted benzenes</u>	<u>1.78</u>	<u>2.04</u>
490	<u>m-C11 disubstituted benzenes*</u>	<u>5.98</u>	<u>5.98</u>
491	<u>o-C11 disubstituted benzenes*</u>	<u>4.60</u>	<u>4.60</u>
492	<u>p-C11 disubstituted benzenes*</u>	<u>3.77</u>	<u>3.77</u>
493	<u>1-butyl-2-methyl benzene*</u>	<u>4.60</u>	<u>4.60</u>
494	<u>1-ethyl-2-n-propyl benzene*</u>	<u>4.60</u>	<u>4.60</u>

495	<u><i>o</i>-tert-butyl toluene; 1-(1,1-dimethylethyl)-2-methyl benzene*</u>	<u>4.60</u>	<u>4.60</u>
496	<u>1-methyl-3-n-butyl benzene*</u>	<u>5.98</u>	<u>5.98</u>
497	<u><i>p</i>-isobutyl toluene; 1-methyl-4-(2-methylpropyl) benzene*</u>	<u>3.77</u>	<u>3.77</u>
498	<u>C11 disubstituted benzenes</u>	<u>5.35</u>	<u>4.79</u>
499	<u>1,2,3-C11 trisubstituted benzenes*</u>	<u>8.64</u>	<u>8.64</u>
500	<u>1,2,4-C11 trisubstituted benzenes*</u>	<u>6.44</u>	<u>6.44</u>
501	<u>1,3,5-C11 trisubstituted benzenes*</u>	<u>8.65</u>	<u>8.65</u>
502	<u>pentamethyl benzene*</u>	<u>7.91</u>	<u>7.91</u>
503	<u>1-methyl-3,5-diethyl benzene*</u>	<u>8.65</u>	<u>8.65</u>
504	<u>C11 trisubstituted benzenes</u>	<u>8.03</u>	<u>7.91</u>
505	<u>C11 tetrasubstituted benzenes</u>	<u>8.03</u>	<u>7.91</u>
506	<u>C11 pentasubstituted benzenes</u>	<u>8.03</u>	<u>7.91</u>
507	<u>pentyl benzenes</u>	<u>4.96</u>	<u>4.75</u>
508	<u>C11 tetralins or indanes</u>	<u>2.56</u>	<u>2.58</u>
509	<u>methyl naphthalenes</u>	<u>4.61</u>	<u>2.96</u>
510	<u>1-methyl naphthalene</u>	<u>4.61</u>	<u>2.96</u>
511	<u>2-methyl naphthalene</u>	<u>4.61</u>	<u>2.96</u>
512	<u>unspeciated C11 aromatics</u>	<u>4.96</u>	<u>6.82</u>
513	<u>C12 monosubstituted benzenes</u>	<u>1.63</u>	<u>1.83</u>
514	<u><i>m</i>-C12 disubstituted benzenes*</u>	<u>5.35</u>	<u>5.35</u>
515	<u><i>o</i>-C12 disubstituted benzenes*</u>	<u>4.11</u>	<u>4.11</u>
516	<u><i>p</i>-C12 disubstituted benzenes*</u>	<u>3.38</u>	<u>3.38</u>
517	<u>1,3-di-n-propyl benzene*</u>	<u>4.11</u>	<u>4.11</u>
518	<u>1,4 di-isopropyl benzene*</u>	<u>3.38</u>	<u>3.38</u>
519	<u>3-isopropyl cumene; 1,3-di-isopropyl benzene*</u>	<u>5.35</u>	<u>5.35</u>
520	<u>C12 disubstituted benzenes</u>	<u>4.90</u>	<u>4.28</u>
521	<u>1,2,3-C12 trisubstituted benzenes*</u>	<u>7.74</u>	<u>7.74</u>
522	<u>1,2,4-C12 trisubstituted benzenes*</u>	<u>5.78</u>	<u>5.78</u>
523	<u>1,3,5-C12 trisubstituted benzenes*</u>	<u>7.79</u>	<u>7.79</u>
524	<u>1-(1,1-dimethylethyl)-3,5-dimethylbenzene*</u>	<u>7.79</u>	<u>7.79</u>
525	<u>C12 trisubstituted benzenes</u>	<u>7.33</u>	<u>7.10</u>
526	<u>C12 tetrasubstituted benzenes</u>	<u>7.33</u>	<u>7.10</u>
527	<u>C12 pentasubstituted benzenes</u>	<u>7.33</u>	<u>7.10</u>
528	<u>C12 hexasubstituted benzenes</u>	<u>7.33</u>	<u>7.10</u>
529	<u>hexyl benzenes</u>	<u>4.53</u>	<u>4.26</u>
530	<u>C12 tetralins or indanes</u>	<u>2.33</u>	<u>2.36</u>
531	<u>1-ethyl naphthalene*</u>	<u>2.69</u>	<u>2.69</u>
532	<u>C12 naphthalenes*</u>	<u>3.76</u>	<u>3.76</u>
533	<u>C12 monosubstituted naphthalene</u>	<u>4.20</u>	<u>2.69</u>
534	<u>C12 disubstituted naphthalenes</u>	<u>5.54</u>	<u>4.84</u>
535	<u>2,3-dimethyl naphthalene</u>	<u>5.54</u>	<u>4.84</u>
536	<u>dimethyl naphthalenes</u>	<u>5.54</u>	<u>4.84</u>
537	<u>unspeciated C12 aromatics</u>	<u>4.53</u>	<u>6.02</u>
538	<u>C13 monosubstituted benzenes</u>	<u>1.50</u>	<u>1.67</u>
539	<u><i>m</i>-C13 disubstituted benzenes*</u>	<u>4.80</u>	<u>4.80</u>
540	<u><i>o</i>-C13 disubstituted benzenes*</u>	<u>3.67</u>	<u>3.67</u>
541	<u><i>p</i>-C13 disubstituted benzenes*</u>	<u>3.03</u>	<u>3.03</u>
542	<u>C13 disubstituted benzenes</u>	<u>4.50</u>	<u>3.84</u>
543	<u>1,2,3-C13 trisubstituted benzenes*</u>	<u>6.94</u>	<u>6.94</u>
544	<u>1,2,4-C13 trisubstituted benzenes*</u>	<u>5.20</u>	<u>5.20</u>

545	<u>1,3,5-C13 trisubstituted benzenes*</u>	<u>7.04</u>	<u>7.04</u>
546	<u>C13 trisubstituted benzenes</u>	<u>6.75</u>	<u>6.39</u>
547	<u>C13 tetralins or indanes*</u>	<u>2.17</u>	<u>2.17</u>
548	<u>C13 naphthalenes*</u>	<u>3.45</u>	<u>3.45</u>
549	<u>C13 monosubstituted naphthalene</u>	<u>3.86</u>	<u>2.47</u>
550	<u>C13 disubstituted naphthalenes</u>	<u>5.08</u>	<u>4.44</u>
551	<u>C13 trisubstituted naphthalenes</u>	<u>5.08</u>	<u>4.44</u>
552	<u>unspeciated C13 aromatics*</u>	<u>4.88</u>	<u>4.88</u>
553	<u>C14 monosubstituted benzenes*</u>	<u>1.53</u>	<u>1.53</u>
554	<u>m-C14 disubstituted benzenes*</u>	<u>4.32</u>	<u>4.32</u>
555	<u>o-C14 disubstituted benzenes*</u>	<u>3.30</u>	<u>3.30</u>
556	<u>p-C14 disubstituted benzenes*</u>	<u>2.75</u>	<u>2.75</u>
557	<u>C14 disubstituted benzenes*</u>	<u>3.46</u>	<u>3.46</u>
558	<u>1,2,3-C14 trisubstituted benzenes*</u>	<u>6.31</u>	<u>6.31</u>
559	<u>1,2,4-C14 trisubstituted benzenes*</u>	<u>4.75</u>	<u>4.75</u>
560	<u>1,3,5-C14 trisubstituted benzenes*</u>	<u>6.44</u>	<u>6.44</u>
561	<u>C14 trisubstituted benzenes*</u>	<u>5.84</u>	<u>5.84</u>
562	<u>C14 tetralins or indanes*</u>	<u>2.01</u>	<u>2.01</u>
563	<u>C14 naphthalenes*</u>	<u>3.19</u>	<u>3.19</u>
564	<u>unspeciated C14 aromatics*</u>	<u>3.93</u>	<u>3.93</u>
565	<u>C15 monosubstituted benzenes*</u>	<u>1.42</u>	<u>1.42</u>
566	<u>C15 disubstituted benzenes*</u>	<u>3.15</u>	<u>3.15</u>
567	<u>m-C15 disubstituted benzenes*</u>	<u>3.93</u>	<u>3.93</u>
568	<u>o-C15 disubstituted benzenes*</u>	<u>3.00</u>	<u>3.00</u>
569	<u>p-C15 disubstituted benzenes*</u>	<u>2.51</u>	<u>2.51</u>
570	<u>C15 trisubstituted benzenes*</u>	<u>5.35</u>	<u>5.35</u>
571	<u>1,2,3-C15 trisubstituted benzenes*</u>	<u>5.77</u>	<u>5.77</u>
572	<u>1,2,4-C15 trisubstituted benzenes*</u>	<u>4.35</u>	<u>4.35</u>
573	<u>1,3,5-C15 trisubstituted benzenes*</u>	<u>5.92</u>	<u>5.92</u>
574	<u>C15 tetralins or indanes*</u>	<u>1.87</u>	<u>1.87</u>
575	<u>C15 naphthalenes*</u>	<u>2.97</u>	<u>2.97</u>
576	<u>unspeciated C15 aromatics*</u>	<u>3.35</u>	<u>3.35</u>
577	<u>C16 monosubstituted benzenes*</u>	<u>1.32</u>	<u>1.32</u>
578	<u>m-C16 disubstituted benzenes*</u>	<u>3.60</u>	<u>3.60</u>
579	<u>o-C16 disubstituted benzenes*</u>	<u>2.74</u>	<u>2.74</u>
580	<u>p-C16 disubstituted benzenes*</u>	<u>2.30</u>	<u>2.30</u>
581	<u>C16 disubstituted benzenes*</u>	<u>2.88</u>	<u>2.88</u>
582	<u>1,2,3-C16 trisubstituted benzenes*</u>	<u>5.31</u>	<u>5.31</u>
583	<u>1,2,4-C16 trisubstituted benzenes*</u>	<u>4.01</u>	<u>4.01</u>
584	<u>1,3,5-C16 trisubstituted benzenes*</u>	<u>5.47</u>	<u>5.47</u>
585	<u>C16 trisubstituted benzenes*</u>	<u>4.93</u>	<u>4.93</u>
586	<u>C16 tetralins or indanes*</u>	<u>1.75</u>	<u>1.75</u>
587	<u>C16 naphthalenes*</u>	<u>2.77</u>	<u>2.77</u>
588	<u>unspeciated C16 aromatics*</u>	<u>2.96</u>	<u>2.96</u>
589	<u>C17 monosubstituted benzenes*</u>	<u>1.24</u>	<u>1.24</u>
590	<u>C17 disubstituted benzenes*</u>	<u>2.71</u>	<u>2.71</u>
591	<u>C17 trisubstituted benzenes*</u>	<u>4.63</u>	<u>4.63</u>
592	<u>C17 tetralins or indanes*</u>	<u>1.64</u>	<u>1.64</u>
593	<u>C17 naphthalenes*</u>	<u>2.60</u>	<u>2.60</u>
594	<u>C18 monosubstituted benzenes*</u>	<u>1.17</u>	<u>1.17</u>

595	<u>C18 disubstituted benzenes*</u>	<u>2.55</u>	<u>2.55</u>
596	<u>C18 trisubstituted benzenes*</u>	<u>4.37</u>	<u>4.37</u>
597	<u>C18 tetralins or indanes*</u>	<u>1.55</u>	<u>1.55</u>
598	<u>C18 naphthalenes*</u>	<u>2.45</u>	<u>2.45</u>
599	<u>C19 monosubstituted benzenes*</u>	<u>1.11</u>	<u>1.11</u>
600	<u>C19 disubstituted benzenes*</u>	<u>2.42</u>	<u>2.42</u>
601	<u>C19 trisubstituted benzenes*</u>	<u>4.13</u>	<u>4.13</u>
602	<u>C19 tetralins or indanes*</u>	<u>1.46</u>	<u>1.46</u>
603	<u>C19 naphthalenes*</u>	<u>2.31</u>	<u>2.31</u>
604	<u>C20 monosubstituted benzenes*</u>	<u>1.05</u>	<u>1.05</u>
605	<u>C20 disubstituted benzenes*</u>	<u>2.29</u>	<u>2.29</u>
606	<u>C20 trisubstituted benzenes*</u>	<u>3.92</u>	<u>3.92</u>
607	<u>C20 tetralins or indanes*</u>	<u>1.39</u>	<u>1.39</u>
608	<u>C20 naphthalenes*</u>	<u>2.19</u>	<u>2.19</u>
609	<u>C21 monosubstituted benzenes*</u>	<u>1.00</u>	<u>1.00</u>
610	<u>C21 disubstituted benzenes*</u>	<u>2.18</u>	<u>2.18</u>
611	<u>C21 trisubstituted benzenes*</u>	<u>3.73</u>	<u>3.73</u>
612	<u>C21 tetralins or indanes*</u>	<u>1.32</u>	<u>1.32</u>
613	<u>C21 naphthalenes*</u>	<u>2.08</u>	<u>2.08</u>
614	<u>C22 monosubstituted benzenes*</u>	<u>0.96</u>	<u>0.96</u>
615	<u>C22 disubstituted benzenes*</u>	<u>2.08</u>	<u>2.08</u>
616	<u>C22 trisubstituted benzenes*</u>	<u>3.56</u>	<u>3.56</u>
617	<u>C22 tetralins or indanes*</u>	<u>1.26</u>	<u>1.26</u>
618	<u>C22 naphthalenes*</u>	<u>1.98</u>	<u>1.98</u>
	<b><u>Oxygenated Organics</u></b>		
619	<u>carbon monoxide</u>	<u>0.06</u>	<u>0.053</u>
620	<u>formaldehyde</u>	<u>8.97</u>	<u>9.24</u>
621	<u>methanol</u>	<u>0.71</u>	<u>0.65</u>
622	<u>formic acid</u>	<u>0.08</u>	<u>0.06</u>
623	<u>ethylene oxide</u>	<u>0.04</u>	<u>0.04</u>
624	<u>acetaldehyde</u>	<u>6.84</u>	<u>6.34</u>
625	<u>ethanol</u>	<u>1.69</u>	<u>1.45</u>
626	<u>dimethyl ether</u>	<u>0.93</u>	<u>0.76</u>
627	<u>glyoxal</u>	<u>14.22</u>	<u>12.13</u>
628	<u>methyl formate</u>	<u>0.06</u>	<u>0.05</u>
629	<u>acetic acid</u>	<u>0.50</u>	<u>0.66</u>
630	<u>glycolaldehyde*</u>	<u>4.96</u>	<u>4.96</u>
631	<u>ethylene glycol</u>	<u>3.36</u>	<u>3.01</u>
632	<u>glycolic acid</u>	<u>2.67</u>	<u>2.32</u>
633	<u>peroxyacetic acid</u>	<u>12.62</u>	<u>0.52</u>
634	<u>acrolein</u>	<u>7.60</u>	<u>7.24</u>
635	<u>trimethylene oxide</u>	<u>5.22</u>	<u>4.32</u>
636	<u>propylene oxide</u>	<u>0.32</u>	<u>0.28</u>
637	<u>propionaldehyde</u>	<u>7.89</u>	<u>6.83</u>
638	<u>acetone</u>	<u>0.43</u>	<u>0.35</u>
639	<u>isopropyl alcohol</u>	<u>0.71</u>	<u>0.59</u>
640	<u>n-propyl alcohol</u>	<u>2.74</u>	<u>2.38</u>
641	<u>acrylic acid</u>	<u>11.66</u>	<u>11.10</u>
642	<u>methyl glyoxal</u>	<u>16.21</u>	<u>16.02</u>
643	<u>1,3-dioxolane</u>	<u>5.47</u>	<u>4.73</u>



644	<u>ethyl formate</u>	<u>0.52</u>	<u>0.45</u>
645	<u>methyl acetate</u>	<u>0.07</u>	<u>0.07</u>
646	<u>propionic acid</u>	<u>0.79</u>	<u>1.17</u>
647	<u>hydroxy acetone</u>	<u>3.08</u>	<u>3.15</u>
648	<u>propylene glycol</u>	<u>2.75</u>	<u>2.48</u>
649	<u>dimethoxy methane</u>	<u>1.04</u>	<u>0.89</u>
650	<u>2-methoxy ethanol</u>	<u>2.98</u>	<u>2.83</u>
651	<u>dimethyl carbonate</u>	<u>0.06</u>	<u>0.06</u>
652	<u>dihydroxy acetone</u>	<u>4.02</u>	<u>3.89</u>
653	<u>glycerol</u>	<u>3.27</u>	<u>3.05</u>
654	<u>furan</u>	<u>16.54</u>	<u>8.86</u>
655	<u>crotonaldehyde</u>	<u>10.07</u>	<u>9.14</u>
656	<u>methacrolein</u>	<u>6.23</u>	<u>5.84</u>
657	<u>cyclobutanone</u>	<u>0.68</u>	<u>0.59</u>
658	<u>methylvinyl ketone</u>	<u>8.73</u>	<u>9.39</u>
659	<u>tetrahydrofuran</u>	<u>4.95</u>	<u>4.10</u>
660	<u>1,2-epoxy butane</u>	<u>1.02</u>	<u>0.86</u>
661	<u>2-methyl propanal</u>	<u>5.87</u>	<u>5.05</u>
662	<u>butanal</u>	<u>6.74</u>	<u>5.75</u>
663	<u>C4 aldehydes</u>	<u>6.74</u>	<u>5.75</u>
664	<u>methyl ethyl ketone</u>	<u>1.49</u>	<u>1.43</u>
665	<u>isobutyl alcohol</u>	<u>2.24</u>	<u>2.41</u>
666	<u>n-butyl alcohol</u>	<u>3.34</u>	<u>2.76</u>
667	<u>sec-butyl alcohol</u>	<u>1.60</u>	<u>1.30</u>
668	<u>tert-butyl alcohol</u>	<u>0.45</u>	<u>0.39</u>
669	<u>diethyl ether</u>	<u>4.01</u>	<u>3.61</u>
670	<u>gamma-butyrolactone</u>	<u>1.15</u>	<u>0.90</u>
671	<u>methacrylic acid</u>	<u>18.78</u>	<u>18.04</u>
672	<u>methyl acrylate</u>	<u>12.24</u>	<u>11.21</u>
673	<u>vinyl acetate</u>	<u>3.26</u>	<u>3.11</u>
674	<u>hydroxyl-methacrolein</u>	<u>6.61</u>	<u>6.04</u>
675	<u>biacetyl</u>	<u>20.73</u>	<u>19.43</u>
676	<u>1,4-dioxane</u>	<u>2.71</u>	<u>2.48</u>
677	<u>ethyl acetate</u>	<u>0.64</u>	<u>0.59</u>
678	<u>methyl propionate</u>	<u>0.71</u>	<u>0.63</u>
679	<u>n-propyl formate</u>	<u>0.93</u>	<u>0.73</u>
680	<u>isopropyl formate</u>	<u>0.42</u>	<u>0.35</u>
681	<u>isobutyric acid</u>	<u>1.22</u>	<u>1.15</u>
682	<u>butanoic acid</u>	<u>1.78</u>	<u>1.75</u>
683	<u>methoxy-acetone</u>	<u>2.14</u>	<u>1.94</u>
684	<u>1,3-butanediol*</u>	<u>3.21</u>	<u>3.21</u>
685	<u>1,2-butanediol</u>	<u>2.21</u>	<u>2.43</u>
686	<u>1,4-butanediol</u>	<u>3.22</u>	<u>2.61</u>
687	<u>2,3-butanediol*</u>	<u>4.23</u>	<u>4.23</u>
688	<u>1-methoxy-2-propanol</u>	<u>2.62</u>	<u>2.33</u>
689	<u>2-ethoxy-ethanol</u>	<u>3.78</u>	<u>3.57</u>
690	<u>2-methoxy-1-propanol</u>	<u>3.01</u>	<u>2.92</u>
691	<u>3-methoxy-1-propanol</u>	<u>4.01</u>	<u>3.71</u>
692	<u>propylene carbonate</u>	<u>0.25</u>	<u>0.27</u>
693	<u>methyl lactate</u>	<u>2.75</u>	<u>2.59</u>

694	<u>diethylene glycol</u>	<u>3.55</u>	<u>3.23</u>
695	<u>malic acid</u>	<u>7.51</u>	<u>6.77</u>
696	<u>2-methyl furan*</u>	<u>8.02</u>	<u>8.02</u>
697	<u>3-methyl furan*</u>	<u>6.64</u>	<u>6.64</u>
698	<u>cyclopentanone</u>	<u>1.43</u>	<u>1.08</u>
699	<u>C5 cyclic ketones</u>	<u>1.43</u>	<u>1.08</u>
700	<u>cyclopentanol</u>	<u>1.96</u>	<u>1.65</u>
701	<u>α-methyl tetrahydrofuran</u>	<u>4.62</u>	<u>3.78</u>
702	<u>tetrahydropyran</u>	<u>3.81</u>	<u>3.05</u>
703	<u>2-methyl-3-butene-2-ol</u>	<u>5.12</u>	<u>4.73</u>
704	<u>2,2-dimethylpropanal; pivaldehyde</u>	<u>5.40</u>	<u>4.71</u>
705	<u>3-methylbutanal; isovaleraldehyde</u>	<u>5.52</u>	<u>4.79</u>
706	<u>pentanal; valeraldehyde</u>	<u>5.76</u>	<u>4.89</u>
707	<u>C5 aldehydes</u>	<u>5.76</u>	<u>4.89</u>
708	<u>2-pentanone</u>	<u>3.07</u>	<u>2.70</u>
709	<u>3-pentanone</u>	<u>1.45</u>	<u>1.18</u>
710	<u>C5 ketones</u>	<u>3.07</u>	<u>2.70</u>
711	<u>methyl isopropyl ketone</u>	<u>1.64</u>	<u>1.58</u>
712	<u>2-pentanol</u>	<u>1.74</u>	<u>1.54</u>
713	<u>3-pentanol</u>	<u>1.73</u>	<u>1.56</u>
714	<u>pentyl alcohol</u>	<u>3.35</u>	<u>2.71</u>
715	<u>isoamyl alcohol; 3-methyl-1-butanol</u>	<u>2.73</u>	<u>3.04</u>
716	<u>2-methyl-1-butanol</u>	<u>2.60</u>	<u>2.30</u>
717	<u>ethyl isopropyl ether</u>	<u>3.86</u>	<u>3.61</u>
718	<u>methyl n-butyl ether</u>	<u>3.66</u>	<u>2.99</u>
719	<u>methyl t-butyl ether</u>	<u>0.78</u>	<u>0.70</u>
720	<u>ethyl acrylate</u>	<u>8.78</u>	<u>7.55</u>
721	<u>methyl methacrylate</u>	<u>15.84</u>	<u>15.22</u>
722	<u>glutaraldehyde</u>	<u>4.79</u>	<u>4.14</u>
723	<u>lumped C5+ unsaturated carbonyl species*</u>	<u>6.18</u>	<u>6.18</u>
724	<u>2,4-pentanedione</u>	<u>1.02</u>	<u>0.98</u>
725	<u>tetrahydro-2-furanmethanol; tetrahydrofurfuryl alcohol</u>	<u>3.54</u>	<u>3.19</u>
726	<u>ethyl propionate</u>	<u>0.79</u>	<u>0.73</u>
727	<u>isopropyl acetate</u>	<u>1.12</u>	<u>1.03</u>
728	<u>methyl butyrate</u>	<u>1.18</u>	<u>1.04</u>
729	<u>methyl isobutyrate</u>	<u>0.70</u>	<u>0.58</u>
730	<u>n-butyl formate</u>	<u>0.95</u>	<u>0.77</u>
731	<u>propyl acetate</u>	<u>0.87</u>	<u>0.73</u>
732	<u>3-methyl butanoic acid</u>	<u>4.26</u>	<u>4.11</u>
733	<u>2,2-dimethoxy-propane</u>	<u>0.52</u>	<u>0.46</u>
734	<u>1-ethoxy-2-propanol</u>	<u>3.25</u>	<u>2.96</u>
735	<u>2-propoxy-ethanol</u>	<u>3.52</u>	<u>3.17</u>
736	<u>3-ethoxy-1-propanol</u>	<u>4.24</u>	<u>3.94</u>
737	<u>3-methoxy-1-butanol</u>	<u>0.97</u>	<u>3.75</u>
738	<u>2-methoxyethyl acetate</u>	<u>1.18</u>	<u>1.08</u>
739	<u>ethyl lactate</u>	<u>2.71</u>	<u>2.39</u>
740	<u>methyl isopropyl carbonate</u>	<u>0.69</u>	<u>0.59</u>
741	<u>2-(2-methoxyethoxy) ethanol</u>	<u>2.90</u>	<u>2.54</u>
742	<u>pentaerythritol</u>	<u>2.42</u>	<u>2.09</u>
743	<u>phenol</u>	<u>1.82</u>	<u>2.69</u>

744	<u>2-ethyl furan*</u>	<u>6.85</u>	<u>6.85</u>
745	<u>2,5-dimethyl furan*</u>	<u>7.60</u>	<u>7.60</u>
746	<u>cyclohexanone</u>	<u>1.61</u>	<u>1.26</u>
747	<u>C6 cyclic ketones</u>	<u>1.61</u>	<u>1.26</u>
748	<u>mesityl oxide; 2-methyl-2-penten-4-one</u>	<u>17.37</u>	<u>6.31</u>
749	<u>cyclohexanol</u>	<u>2.25</u>	<u>1.84</u>
750	<u>hexanal</u>	<u>4.98</u>	<u>4.18</u>
751	<u>C6 aldehydes</u>	<u>4.98</u>	<u>4.18</u>
752	<u>4-methyl-2-pentanone</u>	<u>4.31</u>	<u>3.74</u>
753	<u>methyl n-butyl ketone</u>	<u>3.55</u>	<u>3.00</u>
754	<u>methyl tert-butyl ketone</u>	<u>0.78</u>	<u>0.62</u>
755	<u>C6 ketones</u>	<u>3.55</u>	<u>3.00</u>
756	<u>1-hexanol</u>	<u>2.74</u>	<u>2.56</u>
757	<u>2-hexanol</u>	<u>2.46</u>	<u>1.97</u>
758	<u>4-methyl-2-pentanol; methyl isobutyl carbinol</u>	<u>2.89</u>	<u>2.52</u>
759	<u>di-n-propyl ether</u>	<u>3.24</u>	<u>2.93</u>
760	<u>ethyl n-butyl ether</u>	<u>3.86</u>	<u>3.33</u>
761	<u>ethyl tert-butyl ether</u>	<u>2.11</u>	<u>1.93</u>
762	<u>methyl tert-amyl ether; TAME</u>	<u>2.14</u>	<u>1.61</u>
763	<u>diisopropyl ether</u>	<u>3.56</u>	<u>3.39</u>
764	<u>ethyl methacrylate*</u>	<u>12.15</u>	<u>12.15</u>
765	<u>ethyl butyrate</u>	<u>1.25</u>	<u>1.11</u>
766	<u>isobutyl acetate</u>	<u>0.67</u>	<u>0.58</u>
767	<u>methyl pivalate</u>	<u>0.39</u>	<u>0.33</u>
768	<u>n-butyl acetate</u>	<u>0.89</u>	<u>0.78</u>
769	<u>n-propyl propionate</u>	<u>0.93</u>	<u>0.79</u>
770	<u>sec-butyl acetate</u>	<u>1.43</u>	<u>1.25</u>
771	<u>tert-butyl acetate</u>	<u>0.20</u>	<u>0.17</u>
772	<u>diacetone alcohol</u>	<u>0.68</u>	<u>0.57</u>
773	<u>methyl pentanoate; methyl valerate*</u>	<u>1.00</u>	<u>1.00</u>
774	<u>1,2-dihydroxyhexane</u>	<u>2.75</u>	<u>2.45</u>
775	<u>2-methyl-2,4-pentanediol</u>	<u>1.04</u>	<u>1.39</u>
776	<u>ethylene glycol diethyl ether; 1,2-diethoxyethane</u>	<u>2.84</u>	<u>2.81</u>
777	<u>acetal (1,1-diethoxyethane)</u>	<u>3.68</u>	<u>3.43</u>
778	<u>1-propoxy-2-propanol; propylene glycol n-propyl ether</u>	<u>2.86</u>	<u>2.56</u>
779	<u>2-butoxy-ethanol</u>	<u>2.90</u>	<u>2.78</u>
780	<u>3 methoxy-3 methyl-butanol</u>	<u>1.74</u>	<u>1.46</u>
781	<u>n-propoxy-propanol</u>	<u>3.84</u>	<u>3.62</u>
782	<u>hydroxypropyl acrylate</u>	<u>5.56</u>	<u>4.74</u>
783	<u>1-methoxy-2-propyl acetate</u>	<u>1.71</u>	<u>1.62</u>
784	<u>2-ethoxyethyl acetate</u>	<u>1.90</u>	<u>1.75</u>
785	<u>2-methoxy-1-propyl acetate</u>	<u>1.12</u>	<u>1.06</u>
786	<u>methoxypropanol acetate</u>	<u>1.97</u>	<u>1.76</u>
787	<u>2-(2-ethoxyethoxy) ethanol</u>	<u>3.19</u>	<u>3.11</u>
788	<u>dipropylene glycol isomer (1-[2-hydroxypropyl]-2-propanol)</u>	<u>2.48</u>	<u>2.20</u>
789	<u>dimethyl succinate</u>	<u>0.23</u>	<u>0.21</u>
790	<u>ethylene glycol diacetate</u>	<u>0.72</u>	<u>0.62</u>
791	<u>adipic acid; hexanedioic acid</u>	<u>3.37</u>	<u>2.94</u>
792	<u>triethylene glycol</u>	<u>3.41</u>	<u>3.11</u>
793	<u>benzaldehyde</u>	<u>0.00</u>	<u>0.00</u>

794	<u>C7 alkyl phenols</u>	<u>2.34</u>	<u>2.34</u>
795	<u>m-cresol</u>	<u>2.34</u>	<u>2.34</u>
796	<u>p-cresol</u>	<u>2.34</u>	<u>2.34</u>
797	<u>o-cresol</u>	<u>2.34</u>	<u>2.34</u>
798	<u>benzyl alcohol*</u>	<u>4.98</u>	<u>4.98</u>
799	<u>methoxybenzene; anisole*</u>	<u>6.49</u>	<u>6.49</u>
800	<u>C7 cyclic ketones</u>	<u>1.41</u>	<u>1.10</u>
801	<u>heptanal</u>	<u>4.23</u>	<u>3.54</u>
802	<u>C7 aldehydes</u>	<u>4.23</u>	<u>3.54</u>
803	<u>2-methyl-hexanal</u>	<u>3.97</u>	<u>3.40</u>
804	<u>2-heptanone</u>	<u>2.80</u>	<u>2.24</u>
805	<u>2-methyl-3-hexanone</u>	<u>1.79</u>	<u>1.45</u>
806	<u>di-isopropyl ketone</u>	<u>1.63</u>	<u>1.23</u>
807	<u>C7 ketones</u>	<u>2.80</u>	<u>2.24</u>
808	<u>5-methyl-2-hexanone</u>	<u>2.10</u>	<u>2.28</u>
809	<u>3-methyl-2-hexanone</u>	<u>2.81</u>	<u>2.43</u>
810	<u>1-heptanol</u>	<u>2.21</u>	<u>1.75</u>
811	<u>dimethylpentanol; 2,3-dimethyl-1-pentanol</u>	<u>2.51</u>	<u>2.13</u>
812	<u>4,4-diethyl-3-oxahexane</u>	<u>2.03</u>	<u>1.86</u>
813	<u>n-butyl acrylate</u>	<u>5.52</u>	<u>4.87</u>
814	<u>isobutyl acrylate</u>	<u>5.05</u>	<u>4.57</u>
815	<u>butyl propionate</u>	<u>0.89</u>	<u>0.79</u>
816	<u>amyl acetate; n-pentyl acetate</u>	<u>0.96</u>	<u>0.78</u>
817	<u>n-propyl butyrate</u>	<u>1.17</u>	<u>0.99</u>
818	<u>isoamyl acetate; 3-methyl-butyl acetate</u>	<u>1.18</u>	<u>1.02</u>
819	<u>2-methyl-1-butyl acetate</u>	<u>1.17</u>	<u>1.01</u>
820	<u>methyl hexanoate*</u>	<u>0.96</u>	<u>0.96</u>
821	<u>1-tert-butoxy-2-propanol</u>	<u>1.71</u>	<u>1.53</u>
822	<u>2-tert-butoxy-1-propanol</u>	<u>1.81</u>	<u>1.75</u>
823	<u>n-butoxy-2-propanol; propylene glycol n-butyl ether</u>	<u>2.70</u>	<u>2.59</u>
824	<u>ethyl 3-ethoxy propionate</u>	<u>3.61</u>	<u>3.46</u>
825	<u>diisopropyl carbonate</u>	<u>1.04</u>	<u>0.94</u>
826	<u>2-(2-propoxyethoxy) ethanol</u>	<u>3.00</u>	<u>2.71</u>
827	<u>dipropylene glycol methyl ether: 1-methoxy-2-(2-hydroxypropoxy)-propane</u>	<u>2.21</u>	<u>1.87</u>
828	<u>dipropylene glycol methyl ether: 2-(2-methoxypropoxy)-1-propanol</u>	<u>2.70</u>	<u>2.46</u>
829	<u>1,2-propylene glycol diacetate</u>	<u>0.94</u>	<u>0.58</u>
830	<u>dimethyl glutarate</u>	<u>0.51</u>	<u>0.39</u>
831	<u>2-[2-(2-methoxyethoxy) ethoxy] ethanol</u>	<u>2.62</u>	<u>2.44</u>
832	<u>tolualdehyde</u>	<u>0.00</u>	<u>0.00</u>
833	<u>4-vinyl phenol*</u>	<u>1.43</u>	<u>1.43</u>
834	<u>2,4-dimethyl phenol*</u>	<u>2.07</u>	<u>2.07</u>
835	<u>2,5-dimethyl phenol*</u>	<u>2.07</u>	<u>2.07</u>
836	<u>3,4-dimethyl phenol*</u>	<u>2.07</u>	<u>2.07</u>
837	<u>2,3-dimethyl phenol*</u>	<u>2.07</u>	<u>2.07</u>
838	<u>2,6-dimethyl phenol*</u>	<u>2.07</u>	<u>2.07</u>
839	<u>C8 alkyl phenols</u>	<u>2.07</u>	<u>2.07</u>
840	<u>β-phenethyl alcohol; 2-phenyl ethyl alcohol*</u>	<u>4.41</u>	<u>4.41</u>
841	<u>C8 cyclic ketones</u>	<u>1.25</u>	<u>0.98</u>
842	<u>2-butyl tetrahydrofuran</u>	<u>2.53</u>	<u>2.00</u>

843	<u>octanal</u>	<u>3.65</u>	<u>3.03</u>
844	<u>C8 aldehydes</u>	<u>3.65</u>	<u>3.03</u>
845	<u>2-octanone</u>	<u>1.66</u>	<u>1.31</u>
846	<u>C8 ketones</u>	<u>1.66</u>	<u>1.31</u>
847	<u>1-octanol</u>	<u>2.01</u>	<u>1.35</u>
848	<u>2-ethyl-1-hexanol</u>	<u>2.20</u>	<u>1.90</u>
849	<u>2-octanol</u>	<u>2.16</u>	<u>1.86</u>
850	<u>3-octanol</u>	<u>2.57</u>	<u>2.16</u>
851	<u>4-octanol</u>	<u>3.07</u>	<u>2.10</u>
852	<u>5-methyl-1-heptanol</u>	<u>1.95</u>	<u>1.70</u>
853	<u>di-isobutyl ether</u>	<u>1.29</u>	<u>1.12</u>
854	<u>di-n-butyl ether</u>	<u>3.17</u>	<u>2.70</u>
855	<u>2-phenoxyethanol; ethylene glycol phenyl ether</u>	<u>3.61</u>	<u>4.35</u>
856	<u>butyl methacrylate</u>	<u>9.09</u>	<u>8.47</u>
857	<u>isobutyl methacrylate</u>	<u>8.99</u>	<u>8.39</u>
858	<u>hexyl acetates*</u>	<u>0.74</u>	<u>0.74</u>
859	<u>2,3-dimethylbutyl acetate</u>	<u>0.84</u>	<u>0.70</u>
860	<u>2-methylpentyl acetate</u>	<u>1.11</u>	<u>0.91</u>
861	<u>3-methylpentyl acetate</u>	<u>1.31</u>	<u>1.00</u>
862	<u>4-methylpentyl acetate</u>	<u>0.92</u>	<u>0.76</u>
863	<u>isobutyl isobutyrate</u>	<u>0.61</u>	<u>0.55</u>
864	<u>n-butyl butyrate</u>	<u>1.12</u>	<u>1.02</u>
865	<u>n-hexyl acetate</u>	<u>0.87</u>	<u>0.63</u>
866	<u>methyl amyl acetate; 4-methyl-2-pentanol acetate</u>	<u>1.46</u>	<u>1.28</u>
867	<u>n-pentyl propionate</u>	<u>0.79</u>	<u>0.66</u>
868	<u>2-ethyl hexanoic acid</u>	<u>3.49</u>	<u>3.19</u>
869	<u>methyl heptanoate*</u>	<u>0.76</u>	<u>0.76</u>
870	<u>2-ethyl-1,3-hexanediol</u>	<u>2.62</u>	<u>1.95</u>
871	<u>2-n-hexyloxyethanol</u>	<u>2.45</u>	<u>1.98</u>
872	<u>2,2,4-trimethyl-1,3-pentanediol</u>	<u>1.74</u>	<u>1.46</u>
873	<u>phthalic anhydride*</u>	<u>2.50</u>	<u>2.50</u>
874	<u>methylparaben; 4-hydroxybenzoic acid, methyl ester*</u>	<u>1.66</u>	<u>1.66</u>
875	<u>2-butoxyethyl acetate</u>	<u>1.67</u>	<u>1.53</u>
876	<u>2-methoxy-1-(2-methoxy-1-methylethoxy)-propane; dipropylene glycol dimethyl ether</u>	<u>2.09</u>	<u>1.91</u>
877	<u>2-(2-butoxyethoxy)-ethanol</u>	<u>2.87</u>	<u>2.26</u>
878	<u>dipropylene glycol ethyl ether</u>	<u>2.75</u>	<u>2.60</u>
879	<u>dimethyl adipate</u>	<u>1.95</u>	<u>1.72</u>
880	<u>2-(2-ethoxyethoxy) ethyl acetate</u>	<u>1.50</u>	<u>1.39</u>
881	<u>2-[2-(2-ethoxyethoxy) ethoxy] ethanol</u>	<u>2.66</u>	<u>2.33</u>
882	<u>tetraethylene glycol</u>	<u>2.84</u>	<u>2.38</u>
883	<u>cinnamic aldehyde*</u>	<u>4.68</u>	<u>4.68</u>
884	<u>cinnamic alcohol*</u>	<u>0.84</u>	<u>0.84</u>
885	<u>2,3,5-trimethyl phenol*</u>	<u>1.86</u>	<u>1.86</u>
886	<u>2,3,6-trimethyl phenol*</u>	<u>1.86</u>	<u>1.86</u>
887	<u>C9 alkyl phenols</u>	<u>1.86</u>	<u>1.86</u>
888	<u>isophorone; 3,5,5-trimethyl-2-cyclohexenone</u>	<u>10.58</u>	<u>4.48</u>
889	<u>C9 cyclic ketones</u>	<u>1.13</u>	<u>0.88</u>
890	<u>2-propyl cyclohexanone</u>	<u>1.71</u>	<u>1.43</u>
891	<u>4-propyl cyclohexanone</u>	<u>2.08</u>	<u>1.74</u>
892	<u>1-nonene-4-one</u>	<u>3.39</u>	<u>3.03</u>

893	<u>trimethyl cyclohexanol</u>	<u>2.17</u>	<u>1.75</u>
894	<u>2-nonanone</u>	<u>1.30</u>	<u>1.00</u>
895	<u>di-isobutyl ketone; 2,6-dimethyl-4-heptanone</u>	<u>2.94</u>	<u>2.56</u>
896	<u>C9 ketones</u>	<u>1.30</u>	<u>1.00</u>
897	<u>dimethyl heptanol; 2,6-dimethyl-2-heptanol</u>	<u>1.07</u>	<u>0.88</u>
898	<u>2,6-dimethyl-4-heptanol</u>	<u>2.37</u>	<u>1.98</u>
899	<u>1-phenoxy-2-propanol</u>	<u>1.73</u>	<u>1.54</u>
900	<u>2,4-dimethylpentyl acetate</u>	<u>0.98</u>	<u>0.85</u>
901	<u>2-methylhexyl acetate</u>	<u>0.89</u>	<u>0.64</u>
902	<u>3-ethylpentyl acetate</u>	<u>1.24</u>	<u>1.03</u>
903	<u>3-methylhexyl acetate</u>	<u>1.01</u>	<u>0.83</u>
904	<u>4-methylhexyl acetate</u>	<u>0.91</u>	<u>0.76</u>
905	<u>5-methylhexyl acetate</u>	<u>0.79</u>	<u>0.54</u>
906	<u>isoamyl isobutyrate</u>	<u>0.89</u>	<u>0.76</u>
907	<u>n-heptyl acetate</u>	<u>0.73</u>	<u>0.59</u>
908	<u>methyl octanoate*</u>	<u>0.64</u>	<u>0.64</u>
909	<u>1-(butoxyethoxy)-2-propanol</u>	<u>2.08</u>	<u>1.82</u>
910	<u>dipropylene glycol n-propyl ether isomer #1</u>	<u>2.13</u>	<u>1.89</u>
911	<u>dipropylene glycol methyl ether acetate isomer #1</u>	<u>1.41</u>	<u>1.30</u>
912	<u>dipropylene glycol methyl ether acetate isomer #2</u>	<u>1.58</u>	<u>1.43</u>
913	<u>dipropylene glycol methyl ether acetate isomers</u>	<u>1.49</u>	<u>1.37</u>
914	<u>2-[2-(2-propoxyethoxy) ethoxy] ethanol</u>	<u>2.46</u>	<u>2.05</u>
915	<u>tripropylene glycol*</u>	<u>2.07</u>	<u>2.07</u>
916	<u>2,5,8,11-tetraoxatridecan-13-ol</u>	<u>2.15</u>	<u>1.86</u>
917	<u>glyceryl triacetate</u>	<u>0.57</u>	<u>0.51</u>
918	<u>anethol; p-propenyl-anisole*</u>	<u>0.76</u>	<u>0.76</u>
919	<u>C10 alkyl phenols</u>	<u>1.68</u>	<u>1.68</u>
920	<u>camphor*</u>	<u>0.45</u>	<u>0.45</u>
921	<u>α-terpineol</u>	<u>5.16</u>	<u>4.50</u>
922	<u>citronellol; 3,7-dimethyl-6-octen-1-ol*</u>	<u>5.63</u>	<u>5.63</u>
923	<u>hydroxycitronella*</u>	<u>2.50</u>	<u>2.50</u>
924	<u>C10 cyclic ketones</u>	<u>1.02</u>	<u>0.80</u>
925	<u>menthol</u>	<u>1.70</u>	<u>1.35</u>
926	<u>linalool*</u>	<u>5.28</u>	<u>5.28</u>
927	<u>2-decanone</u>	<u>1.06</u>	<u>0.82</u>
928	<u>C10 ketones</u>	<u>1.06</u>	<u>0.82</u>
929	<u>8-methyl-1-nonanol; isodecyl alcohol</u>	<u>1.23</u>	<u>0.99</u>
930	<u>1-decanol</u>	<u>1.22</u>	<u>1.00</u>
931	<u>3,7-dimethyl-1-octanol</u>	<u>1.42</u>	<u>1.13</u>
932	<u>di-n-pentyl ether</u>	<u>2.64</u>	<u>2.02</u>
933	<u>1,2-diacetyl benzene*</u>	<u>2.17</u>	<u>2.17</u>
934	<u>2,4-dimethylhexyl acetate</u>	<u>0.93</u>	<u>0.70</u>
935	<u>2-ethyl-hexyl acetate</u>	<u>0.79</u>	<u>0.60</u>
936	<u>3,4-dimethyl-hexyl acetate</u>	<u>1.16</u>	<u>0.81</u>
937	<u>3,5-dimethyl-hexyl acetate</u>	<u>1.09</u>	<u>0.92</u>
938	<u>3-ethyl-hexyl acetate</u>	<u>1.03</u>	<u>0.84</u>
939	<u>3-methyl-heptyl acetate</u>	<u>0.76</u>	<u>0.61</u>
940	<u>4,5-dimethyl-hexyl acetate</u>	<u>0.86</u>	<u>0.63</u>
941	<u>4-methyl-heptyl acetate</u>	<u>0.72</u>	<u>0.60</u>
942	<u>5-methyl-heptyl acetate</u>	<u>0.73</u>	<u>0.55</u>

943	<u>n-octyl acetate</u>	<u>0.64</u>	<u>0.52</u>
944	<u>geraniol*</u>	<u>4.97</u>	<u>4.97</u>
945	<u>methyl nonanoate*</u>	<u>0.54</u>	<u>0.54</u>
946	<u>2-(2-ethylhexyloxy) ethanol</u>	<u>1.71</u>	<u>1.45</u>
947	<u>propylparaben*</u>	<u>1.40</u>	<u>1.40</u>
948	<u>2-(2-hexyloxyethoxy) ethanol</u>	<u>2.03</u>	<u>1.73</u>
949	<u>glycol ether DPnB; dipropylene glycol n-butyl ether; 1-(2-butoxy-1-methylethoxy)-2-propanol)</u>	<u>1.96</u>	<u>1.73</u>
950	<u>2-(2-butoxyethoxy) ethyl acetate</u>	<u>1.38</u>	<u>1.30</u>
951	<u>2-[2-(2-butoxyethoxy) ethoxy] ethanol</u>	<u>2.24</u>	<u>1.85</u>
952	<u>tripropylene glycol monomethyl ether</u>	<u>1.90</u>	<u>1.81</u>
953	<u>C11 alkyl phenols</u>	<u>1.54</u>	<u>1.54</u>
954	<u>2-ethyl-hexyl acrylate</u>	<u>2.42</u>	<u>2.43</u>
955	<u>2,3,5-trimethyl-hexyl acetate</u>	<u>0.86</u>	<u>0.79</u>
956	<u>2,3-dimethyl-heptyl acetate</u>	<u>0.84</u>	<u>0.65</u>
957	<u>2,4-dimethyl-heptyl acetate</u>	<u>0.88</u>	<u>0.62</u>
958	<u>2,5-dimethyl-heptyl acetate</u>	<u>0.86</u>	<u>0.72</u>
959	<u>2-methyloctyl acetate</u>	<u>0.63</u>	<u>0.47</u>
960	<u>3,5-dimethyl-heptyl acetate</u>	<u>1.01</u>	<u>0.74</u>
961	<u>3,6-dimethyl-heptyl acetate</u>	<u>0.87</u>	<u>0.71</u>
962	<u>3-ethyl-heptyl acetate</u>	<u>0.71</u>	<u>0.57</u>
963	<u>4,5-dimethyl-heptyl acetate</u>	<u>0.96</u>	<u>0.63</u>
964	<u>4,6-dimethyl-heptyl acetate</u>	<u>0.83</u>	<u>0.72</u>
965	<u>4-methyloctyl acetate</u>	<u>0.68</u>	<u>0.56</u>
966	<u>5-methyloctyl acetate</u>	<u>0.67</u>	<u>0.5</u>
967	<u>n-nonyl acetate</u>	<u>0.58</u>	<u>0.47</u>
968	<u>methyl decanoate*</u>	<u>0.48</u>	<u>0.48</u>
969	<u>C12 alkyl phenols</u>	<u>1.42</u>	<u>1.42</u>
970	<u>2,6,8-trimethyl-4-nonanone; isobutyl heptyl ketone</u>	<u>1.86</u>	<u>1.57</u>
971	<u>trimethylnonanolthreoerythro; 2,6,8-trimethyl-4-nonanol</u>	<u>1.55</u>	<u>1.24</u>
972	<u>3,6-dimethyl-octyl acetate</u>	<u>0.88</u>	<u>0.72</u>
973	<u>3-isopropyl-heptyl acetate</u>	<u>0.71</u>	<u>0.49</u>
974	<u>4,6-dimethyl-octyl acetate</u>	<u>0.85</u>	<u>0.70</u>
975	<u>methyl undecanoate*</u>	<u>0.45</u>	<u>0.45</u>
976	<u>1-hydroxy-2,2,4-trimethylpentyl-3-isobutyrate</u>	<u>0.92</u>	<u>0.84</u>
977	<u>3-hydroxy-2,2,4-trimethylpentyl-1-isobutyrate</u>	<u>0.88</u>	<u>0.72</u>
978	<u>2,2,4-trimethyl-1,3-pentanediol monoisobutyrate and isomers (texanol®)</u>	<u>0.89</u>	<u>0.76</u>
979	<u>substituted C7 ester (C12)</u>	<u>0.92</u>	<u>0.76</u>
980	<u>substituted C9 ester (C12)</u>	<u>0.89</u>	<u>0.76</u>
981	<u>diethylene glycol mono-(2-ethylhexyl) ether*</u>	<u>1.46</u>	<u>1.46</u>
982	<u>diethyl phthalate*</u>	<u>1.56</u>	<u>1.56</u>
983	<u>dimethyl sebacate</u>	<u>0.48</u>	<u>0.40</u>
984	<u>diisopropyl adipate</u>	<u>1.42</u>	<u>1.22</u>
985	<u>3,6,9,12-tetraoxa-hexadecan-1-ol</u>	<u>1.90</u>	<u>1.62</u>
986	<u>triethyl citrate*</u>	<u>0.66</u>	<u>0.66</u>
987	<u>3,5,7-trimethyl-octyl acetate</u>	<u>0.83</u>	<u>0.60</u>
988	<u>3-ethyl-6-methyl-octyl acetate</u>	<u>0.80</u>	<u>0.57</u>
989	<u>4,7-dimethyl-nonyl acetate</u>	<u>0.64</u>	<u>0.45</u>
990	<u>methyl dodecanoate; methyl laurate</u>	<u>0.53</u>	<u>0.42</u>
991	<u>tripropylene glycol n-butyl ether*</u>	<u>1.55</u>	<u>1.55</u>

992	<u>amyl cinnamal*</u>	<u>3.06</u>	<u>3.06</u>
993	<u>isobornyl methacrylate</u>	<u>8.64</u>	<u>5.37</u>
994	<u>2,3,5,7-tetramethyl-octyl acetate</u>	<u>0.74</u>	<u>0.57</u>
995	<u>3,5,7-trimethyl-nonyl acetate</u>	<u>0.76</u>	<u>0.56</u>
996	<u>3,6,8-trimethyl-nonyl acetate</u>	<u>0.72</u>	<u>0.53</u>
997	<u>methyl tridecanoate*</u>	<u>0.40</u>	<u>0.40</u>
998	<u>hexyl cinnamal*</u>	<u>2.86</u>	<u>2.86</u>
999	<u>2,6-di-tert-butyl-<i>p</i>-cresol *</u>	<u>1.15</u>	<u>1.15</u>
1000	<u>2-ethyl-hexyl benzoate*</u>	<u>0.93</u>	<u>0.93</u>
1001	<u>2,4,6,8-tetramethyl-nonyl acetate</u>	<u>0.63</u>	<u>0.46</u>
1002	<u>3-ethyl-6,7-dimethyl-nonyl acetate</u>	<u>0.76</u>	<u>0.55</u>
1003	<u>4,7,9-trimethyl-decyl acetate</u>	<u>0.55</u>	<u>0.37</u>
1004	<u>methyl myristate; methyl tetradecanoate</u>	<u>0.47</u>	<u>0.39</u>
1005	<u>methyl <i>cis</i>-9-pentadecenoate*</u>	<u>1.63</u>	<u>1.73</u>
1006	<u>methyl <i>cis</i>-9-hexadecenoate; methyl palmitoleate*</u>	<u>1.63</u>	<u>1.64</u>
1007	<u>methyl pentadecanoate*</u>	<u>0.42</u>	<u>0.42</u>
1008	<u>2,3,5,6,8-pentamethyl-nonyl acetate</u>	<u>0.74</u>	<u>0.59</u>
1009	<u>3,5,7,9-tetramethyl-decyl acetate</u>	<u>0.58</u>	<u>0.43</u>
1010	<u>5-ethyl-3,6,8-trimethyl-nonyl acetate</u>	<u>0.77</u>	<u>0.71</u>
1011	<u>dibutyl phthalate*</u>	<u>1.20</u>	<u>1.20</u>
1012	<u>2,2,4-trimethyl-1,3-pentanediol diisobutyrate*</u>	<u>0.34</u>	<u>0.34</u>
1013	<u>methyl hexadecanoate; methyl palmitate*</u>	<u>0.40</u>	<u>0.40</u>
1014	<u>methyl <i>cis</i>-9-heptadecenoate*</u>	<u>1.56</u>	<u>1.56</u>
1015	<u>methyl heptadecanoate; methyl margarate*</u>	<u>0.38</u>	<u>0.38</u>
1016	<u>methyl linolenate; methyl <i>cis,cis,cis</i>-9,12,15-octadecatrienoate*</u>	<u>1.77</u>	<u>2.23</u>
1017	<u>methyl linoelate; methyl <i>cis,cis</i>-9,12-octadecadienoate*</u>	<u>1.48</u>	<u>1.77</u>
1018	<u>methyl <i>cis</i>-9-octadecenoate; methyl oleate*</u>	<u>1.48</u>	<u>1.48</u>
1019	<u>methyl octadecanoate; methyl stearate*</u>	<u>0.36</u>	<u>0.36</u>
	<b><u>Other Organic Compounds</u></b>		
1020	<u>methylamine*</u>	<u>7.29</u>	<u>7.29</u>
1021	<u>methyl chloride</u>	<u>0.03</u>	<u>0.04</u>
1022	<u>methyl nitrite*</u>	<u>10.50</u>	<u>10.50</u>
1023	<u>nitromethane</u>	<u>7.86</u>	<u>0.07</u>
1024	<u>carbon disulfide*</u>	<u>0.23</u>	<u>0.23</u>
1025	<u>dichloromethane</u>	<u>0.07</u>	<u>0.04</u>
1026	<u>methyl bromide</u>	<u>0.02</u>	<u>0.02</u>
1027	<u>chloroform</u>	<u>0.03</u>	<u>0.02</u>
1028	<u>methyl iodide*</u>	<u>0.00</u>	<u>0.00</u>
1029	<u>carbon tetrachloride</u>	<u>0.00</u>	<u>0.00</u>
1030	<u>chloropicrin; trichloro-nitro-methane*</u>	<u>1.80</u>	<u>1.80</u>
1031	<u>methylene bromide</u>	<u>0.00</u>	<u>0.00</u>
1032	<u>acetylene</u>	<u>1.25</u>	<u>0.93</u>
1033	<u>dimethyl amine</u>	<u>9.37</u>	<u>2.95</u>
1034	<u>ethyl amine</u>	<u>7.80</u>	<u>5.48</u>
1035	<u>ethanolamine</u>	<u>5.97</u>	<u>6.53</u>
1036	<u>vinyl chloride</u>	<u>2.92</u>	<u>2.70</u>
1037	<u>ethyl chloride</u>	<u>0.25</u>	<u>0.27</u>
1038	<u>1,1-difluoroethane; HFC-152a</u>	<u>0.00</u>	<u>0.02</u>
1039	<u>methyl isothiocyanate*</u>	<u>0.31</u>	<u>0.31</u>
1040	<u>nitroethane</u>	<u>12.79</u>	<u>0.06</u>



1041	<u>dimethyl sulfoxide; DMSO</u>	<u>6.90</u>	<u>6.46</u>
1042	<u>chloroacetaldehyde*</u>	<u>12.00</u>	<u>12.00</u>
1043	<u>1,1-dichloroethene*</u>	<u>1.69</u>	<u>1.69</u>
1044	<u>trans-1,2-dichloroethene</u>	<u>0.81</u>	<u>1.65</u>
1045	<u>cis-1,2-dichloroethene*</u>	<u>1.65</u>	<u>1.65</u>
1046	<u>1,1-dichloroethane</u>	<u>0.10</u>	<u>0.07</u>
1047	<u>1,2-dichloroethane</u>	<u>0.10</u>	<u>0.21</u>
1048	<u>1,1,1,2-tetrafluoroethane; HFC-134a</u>	<u>0.00</u>	<u>0.00</u>
1049	<u>ethyl bromide</u>	<u>0.11</u>	<u>0.12</u>
1050	<u>trichloroethylene</u>	<u>0.60</u>	<u>0.61</u>
1051	<u>1,1,1-trichloroethane</u>	<u>0.00</u>	<u>0.01</u>
1052	<u>1,1,2-trichloroethane</u>	<u>0.06</u>	<u>0.08</u>
1053	<u>perchloroethylene</u>	<u>0.04</u>	<u>0.03</u>
1054	<u>1,2-dibromoethane</u>	<u>0.05</u>	<u>0.10</u>
1055	<u>methyl acetylene</u>	<u>6.45</u>	<u>6.57</u>
1056	<u>acrylonitrile*</u>	<u>2.16</u>	<u>2.16</u>
1057	<u>trimethyl amine</u>	<u>7.06</u>	<u>6.03</u>
1058	<u>isopropyl amine*</u>	<u>6.93</u>	<u>6.93</u>
1059	<u>n-methyl acetamide**</u>	<u>19.70</u>	<u>19.63</u>
1060	<u>1-amino-2-propanol</u>	<u>13.42</u>	<u>5.17</u>
1061	<u>3-chloropropene*</u>	<u>11.98</u>	<u>11.98</u>
1062	<u>1-nitropropane</u>	<u>16.16</u>	<u>0.20</u>
1063	<u>2-nitropropane</u>	<u>16.16</u>	<u>0.10</u>
1064	<u>chloroacetone*</u>	<u>9.22</u>	<u>9.22</u>
1065	<u>trans-1,3-dichloropropene*</u>	<u>4.92</u>	<u>4.92</u>
1066	<u>cis-1,3-dichloropropene*</u>	<u>3.61</u>	<u>3.61</u>
1067	<u>1,3-dichloropropene mixture*</u>	<u>4.19</u>	<u>4.19</u>
1068	<u>1,2-dichloropropane*</u>	<u>0.28</u>	<u>0.28</u>
1069	<u>trans-1,3,3,3-tetrafluoropropene*</u>	<u>0.09</u>	<u>0.09</u>
1070	<u>2,3,3,3-tetrafluoropropene*</u>	<u>0.27</u>	<u>0.27</u>
1071	<u>n-propyl bromide</u>	<u>0.35</u>	<u>0.40</u>
1072	<u>1,1,1,3,3-pentafluoropropane*</u>	<u>0.00</u>	<u>0.00</u>
1073	<u>3,3-dichloro-1,1,1,2,2-pentafluoropropane; HCFC-225ca*</u>	<u>0.00</u>	<u>0.00</u>
1074	<u>1,3-dichloro-1,1,2,2,3-pentafluoropropane; HCFC-225cb*</u>	<u>0.00</u>	<u>0.00</u>
1075	<u>1,3-butadiyne*</u>	<u>5.53</u>	<u>5.53</u>
1076	<u>1-buten-3-yne; vinyl acetylene*</u>	<u>10.15</u>	<u>10.15</u>
1077	<u>2-butyne</u>	<u>16.33</u>	<u>15.95</u>
1078	<u>ethyl acetylene</u>	<u>6.20</u>	<u>5.95</u>
1079	<u>tert-butyl amine*</u>	<u>0.00</u>	<u>0.00</u>
1080	<u>morpholine</u>	<u>15.43</u>	<u>1.85</u>
1081	<u>ethyl methyl ketone oxime; methyl ethyl ketoxime*</u>	<u>22.04</u>	<u>1.52</u>
1082	<u>dimethylaminoethanol</u>	<u>4.76</u>	<u>5.41</u>
1083	<u>2-amino-1-butanol*</u>	<u>4.78</u>	<u>4.78</u>
1084	<u>2-amino-2-methyl-1-propanol</u>	<u>15.08</u>	<u>0.00</u>
1085	<u>1-chlorobutane*</u>	<u>1.04</u>	<u>1.04</u>
1086	<u>diethylenetriamine**</u>	<u>13.03</u>	<u>15.10</u>
1087	<u>diethanol-amine</u>	<u>4.05</u>	<u>2.36</u>
1088	<u>2-(chloro-methyl)-3-chloro-propene</u>	<u>1.13</u>	<u>6.85</u>
1089	<u>n-butyl bromide</u>	<u>0.60</u>	<u>0.78</u>
1090	<u>1,1,1,3,3-pentafluorobutane; HFC-365mfc*</u>	<u>0.00</u>	<u>0.00</u>

1091	<u>n-methyl-2-pyrrolidone</u>	<u>2.56</u>	<u>2.28</u>
1092	<u>2-amino-2-ethyl-1,3-propanediol*</u>	<u>0.00</u>	<u>0.00</u>
1093	<u>hydroxyethylethylene urea**</u>	<u>14.75</u>	<u>10.91</u>
1094	<u>methyl-nonafluoro-butyl ether*</u>	<u>0.05</u>	<u>0.05</u>
1095	<u>methyl-nonafluoro-isobutyl ether*</u>	<u>0.05</u>	<u>0.05</u>
1096	<u>methoxy-perfluoro-n-butane*</u>	<u>0.00</u>	<u>0.00</u>
1097	<u>methoxy-perfluoro-isobutene*</u>	<u>0.00</u>	<u>0.00</u>
1098	<u>1,1,1,2,2,3,4,5,5,5-decafluoropentane; HFC-43-10mee*</u>	<u>0.00</u>	<u>0.00</u>
1099	<u>triethyl amine</u>	<u>16.60</u>	<u>3.66</u>
1100	<u>triethylene diamine*</u>	<u>3.31</u>	<u>3.31</u>
1101	<u>monochlorobenzene</u>	<u>0.36</u>	<u>0.31</u>
1102	<u>nitrobenzene</u>	<u>0.07</u>	<u>0.05</u>
1103	<u>p-dichlorobenzene</u>	<u>0.20</u>	<u>0.17</u>
1104	<u>o-dichlorobenzene*</u>	<u>0.17</u>	<u>0.17</u>
1105	<u>triethanolamine*</u>	<u>2.76</u>	<u>4.08</u>
1106	<u>hexamethyl-disiloxane*</u>	<u>0.00</u>	<u>0.00</u>
1107	<u>hydroxymethyl-disiloxane*</u>	<u>0.00</u>	<u>0.00</u>
1108	<u>hexafluoro-benzene*</u>	<u>0.05</u>	<u>0.05</u>
1109	<u>ethoxy-perfluoro-n-butane*</u>	<u>0.01</u>	<u>0.01</u>
1110	<u>ethoxy-perfluoro-isobutane*</u>	<u>0.01</u>	<u>0.01</u>
1111	<u>ethyl nonafluorobutyl ether*</u>	<u>0.19</u>	<u>0.19</u>
1112	<u>ethyl nonafluoroisobutyl ether*</u>	<u>0.19</u>	<u>0.19</u>
1113	<u>perfluoro-n-hexane*</u>	<u>0.00</u>	<u>0.00</u>
1114	<u>2-chlorotoluene*</u>	<u>2.82</u>	<u>2.82</u>
1115	<u>m-nitrotoluene*</u>	<u>0.48</u>	<u>0.48</u>
1116	<u>benzotrifluoride</u>	<u>0.26</u>	<u>0.28</u>
1117	<u>p-trifluoromethyl-chloro-benzene</u>	<u>0.11</u>	<u>0.12</u>
1118	<u>p-toluene isocyanate</u>	<u>0.93</u>	<u>1.03</u>
1119	<u>3-(chloromethyl)-heptane*</u>	<u>0.88</u>	<u>0.88</u>
1120	<u>cyclosiloxane D4; octamethylcyclotetrasiloxane*</u>	<u>0.00</u>	<u>0.00</u>
1121	<u>cumene hydroperoxide; 1-methyl-1-phenylethylhydroperoxide**</u>	<u>12.61</u>	<u>8.83</u>
1122	<u>2,4-toluene diisocyanate*</u>	<u>0.00</u>	<u>0.00</u>
1123	<u>2,6-toluene diisocyanate*</u>	<u>0.00</u>	<u>0.00</u>
1124	<u>toluene diisocyanate (mixed isomers)*</u>	<u>0.00</u>	<u>0.00</u>
1125	<u>molinate; S-ethyl hexahydro-1H-azepine-1-carbothioate*</u>	<u>1.43</u>	<u>1.43</u>
1126	<u>EPTC; S-ethyl dipropyl-thiocarbamate*</u>	<u>1.58</u>	<u>1.58</u>
1127	<u>triisopropanolamine*</u>	<u>2.60</u>	<u>2.60</u>
1128	<u>dexpanthenol; pantothenylol**</u>	<u>9.35</u>	<u>5.98</u>
1129	<u>pebulate; S-propyl butylethylthiocarbamate*</u>	<u>1.58</u>	<u>1.58</u>
1130	<u>cyclosiloxane D5; decamethylcyclopentasiloxane*</u>	<u>0.00</u>	<u>0.00</u>
1131	<u>thiobencarb; S-[4-chlorobenzyl] N,N-diethylthiolcarbamate*</u>	<u>0.65</u>	<u>0.65</u>
1132	<u>methylene diphenylene diisocyanate</u>	<u>0.79</u>	<u>0.87</u>
1133	<u>lauryl pyrrolidone*</u>	<u>0.89</u>	<u>0.89</u>
	<b><u>Complex Mixtures</u></b>		
1134	<u>base ROG mixture</u>	<u>3.71</u>	<u>3.50</u>
1135	<u>final LEV – RFA*</u>	<u>3.44</u>	<u>3.44</u>
1136	<u>TLEV exhaust -- RFA*</u>	<u>3.89</u>	<u>3.89</u>
1137	<u>TLEV exhaust – phase 2*</u>	<u>3.85</u>	<u>3.85</u>
1138	<u>final LEV -- phase 2*</u>	<u>3.34</u>	<u>3.34</u>
1139	<u>TLEV exhaust -- LPG*</u>	<u>1.99</u>	<u>1.99</u>

1140	<u>TLEV exhaust -- CNG*</u>	<u>0.70</u>	<u>0.70</u>
1141	<u>TLEV exhaust -- E-85*</u>	<u>2.46</u>	<u>2.46</u>
1142	<u>TLEV exhaust -- M-85*</u>	<u>1.53</u>	<u>1.53</u>
1143	<u>composite mineral spirit (naphthas or lactol spirits) (ARB Profile ID 802)*</u>	<u>1.75</u>	<u>1.75</u>
1144	<u>Safety-Kleen mineral spirits "A" (Type I-B, 91% alkanes)*</u>	<u>1.11</u>	<u>1.11</u>
1145	<u>Safety-Kleen mineral spirits "B" (Type II-C)*</u>	<u>0.65</u>	<u>0.65</u>
1146	<u>Safety-Kleen mineral spirits "C" (Type II-C)*</u>	<u>0.65</u>	<u>0.65</u>
1147	<u>Exxon Exxol® D95 Fluid*</u>	<u>0.55</u>	<u>0.55</u>
1148	<u>Safety-Kleen mineral spirits "D" (Type II-C)*</u>	<u>0.65</u>	<u>0.65</u>
1149	<u>Exxon Isopar® M Fluid*</u>	<u>0.54</u>	<u>0.54</u>
1150	<u>thinning solvent/mineral spirits (Cal Poly SLO 1996)*</u>	<u>1.79</u>	<u>1.79</u>
1151	<u>Aromatic 100®*</u>	<u>7.38</u>	<u>7.38</u>
1152	<u>kerosene*</u>	<u>1.46</u>	<u>1.46</u>
1153	<u>regular mineral spirits*</u>	<u>1.73</u>	<u>1.73</u>
1154	<u>reduced aromatics mineral spirits*</u>	<u>1.08</u>	<u>1.08</u>
1155	<u>dearomatized alkanes, mixed, predominately C10-C12*</u>	<u>0.80</u>	<u>0.80</u>
1156	<u>VMP naphtha*</u>	<u>1.12</u>	<u>1.12</u>
1157	<u>synthetic isoparaffinic alkane mixture, predominately C10-C12*</u>	<u>0.68</u>	<u>0.68</u>
1158	<u>oxo-tridecyl acetate</u>	<u>0.67</u>	<u>0.54</u>
1159	<u>oxo-dodecyl acetate</u>	<u>0.72</u>	<u>0.58</u>
1160	<u>oxo-decyl acetate</u>	<u>0.83</u>	<u>0.66</u>
1161	<u>oxo-nonyl acetate</u>	<u>0.85</u>	<u>0.69</u>
1162	<u>oxo-octyl acetate</u>	<u>0.96</u>	<u>0.78</u>
1163	<u>oxo-heptyl acetate</u>	<u>0.97</u>	<u>0.80</u>
1164	<u>oxo-hexyl acetate</u>	<u>1.03</u>	<u>0.84</u>
1165	<u>turpentine*</u>	<u>4.12</u>	<u>4.12</u>
1166	<u>soy methyl esters; alkyl C16-C18 methyl esters*</u>	<u>1.52</u>	<u>1.52</u>

\* This reactive organic compound was added to the Table of MIR Values on [30 days after the amendments are approved by the Office of Administrative Law], and may be used in aerosol coating products after this date, as specified in section 94522(h)(2)(B), title 17, California Code of Regulations

\*\* ULMIR (as defined in section 94521(a)(71), title 17, California Code of Regulations.)

NOTE: Authority cited: Sections 39600, 39601, and 41712, Health and Safety Code. Reference: Sections 39002, 39600, 40000 and 41712, Health and Safety Code.

## § 94701. MIR Values for Hydrocarbon Solvents.

### (a) Aliphatic Hydrocarbon Solvents

<i>Bin</i>	<i>Average Boiling Point* (degrees F)</i>	<i>Criteria</i>	<i>MIR Value (July 18, 2001)</i>	<i>MIR Value (Effective Date)</i>
1	80-205	Alkanes (< 2% Aromatics)	2.08	<u>1.33</u>
2	80-205	N- & Iso-Alkanes (≥ 90% and < 2% Aromatics)	1.59	<u>1.23</u>
3	80-205	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	2.52	<u>1.53</u>
4	80-205	Alkanes (2 to < 8% Aromatics)	2.24	<u>1.37</u>
5	80-205	Alkanes (8 to 22% Aromatics)	2.56	<u>1.47</u>
6	>205-340	Alkanes (< 2% Aromatics)	1.41	<u>1.08</u>
7	>205-340	N- & Iso-Alkanes (≥ 90% and < 2% Aromatics)	1.17	<u>0.95</u>
8	>205-340	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	1.65	<u>1.34</u>
9	>205-340	Alkanes (2 to < 8% Aromatics)	1.62	<u>1.35</u>
10	>205-340	Alkanes (8 to 22% Aromatics)	2.03	<u>1.88</u>
11	>340-460	Alkanes (< 2% Aromatics)	0.91	<u>0.63</u>
12	>340-460	N- & Iso-Alkanes (≥ 90% and < 2% Aromatics)	0.81	<u>0.55</u>
13	>340-460	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	1.01	<u>0.79</u>
14	>340-460	Alkanes (2 to < 8% Aromatics)	1.21	<u>0.91</u>
15	>340-460	Alkanes (8 to 22% Aromatics)	1.82	<u>1.48</u>
16	>460-580	Alkanes (< 2% Aromatics)	0.57	<u>0.47</u>
17	>460-580	N- & Iso-Alkanes (≥ 90% and < 2% Aromatics)	0.51	<u>0.43</u>
18	>460-580	Cyclo-Alkanes (≥ 90% and < 2% Aromatics)	0.63	<u>0.54</u>
19	>460-580	Alkanes (2 to < 8% Aromatics)	0.88	<u>0.61</u>
20	>460-580	Alkanes (8 to 22% Aromatics)	1.49	<u>0.89</u>

\* Average Boiling Point = (Initial Boiling Point + Dry Point) / 2

### (b) Aromatic Hydrocarbon Solvents

<i>Bin</i>	<i>Boiling Range (degrees F)</i>	<i>Criteria</i>	<i>MIR Value (July 18, 2001)</i>	<i>MIR Value (Effective Date)</i>
21	280-290	Aromatic Content (≥ 98%)	7.37	<u>7.44</u>
22	320-350	Aromatic Content (≥ 98%)	7.51	<u>7.39</u>
23	355-420	Aromatic Content (≥ 98%)	8.07	<u>6.66</u>
24	450-535	Aromatic Content (≥ 98%)	5.00	<u>3.76</u>