

Table S1. Listing of Major Components Found in Neat Samples of Jet Fuels
(a)Jet-A LMO

Peak Identity	Area percentage
n-nonane	1.60%
2,5-dimethyloctane	1.03%
3-methylnonane	1.37%
1-ethyl-1-methylcyclohexane	1.04%
n-decane	4.46%
3,3 dimethyloctane	1.75%
5-methyldecane	1.04%
1,2,3-trimethylbenzene	1.03%
(2-methylpropyl)cyclohexane	1.02%
4 methyldecane	2.11%
2 methyldecane	1.25%
3 methyldecane	1.16%
4-ethyl-1,2-dimethylbenzene	1.30%
n-undecane	7.41%
1,2,3,5-tetramethylbenzene	2.04%
3,7-dimethyldecane	1.25%
pentylcyclohexane	1.78%
2-methylundecane	0.92%
3-methylundecane	1.30%
4-methylundecane	1.78%
2-methylundecane	1.59%
3,8 dimethyldecane	1.30%
n-dodecane	6.90%
2,6-dimethylundecane	2.83%
hexylcyclohexane	1.44%
2,6-dimethylundecane	1.65%
4-methyldodecane	1.33%
2-methyldodecane	2.61%
n-tridecane	5.60%
2-methylnaphthalene	1.19%
3-methyltridecane	1.68%
2-methyltridecane	1.35%
n-tetradecane	4.59%
4-methyltetradecane	1.29%
n-pentadecane	1.78%

(b)Jet-A WBU

<u>Peak Identity</u>	<u>Area percentage</u>
n-decane	4.16%
4-methyldecane	1.10%
1,3,5-trimethylbenzene	1.17%
1-methyl-3-propylbenzene	1.08%
decahydronaphthalene	1.99%
2-methyldecane	1.02%
3-methyldecane	1.06%
1-methyl-3-(1-methylethyl)benzene	1.33%
n-undecane	6.90%
1,2,3,5-tetramethylbenzene	1.48%
6-methylundecane	2.49%
4-methylundecane	1.10%
2-methylundecane	1.44%
1,2,3,4-tetrahydronaphthalene	2.40%
3-methylundecane	1.64%
1-methyl-3-pentylcyclohexane	1.40%
n-dodecane	7.89%
2,6-dimethylundecane	2.54%
1,2,3,4-tetrahydro-1-methylnaphthalene	1.03%
hexylcyclohexane	1.62%
2,7-dimethylundecane	1.47%
2-methyldodecane	1.54%
1,2,3,4-tetrahydro-6-methylnaphthalene	3.02%
n-tridecane	6.52%
4-methyltridecane	1.10%
2-methyltridecane	1.03%
n-tetradecane	2.81%

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(c) Jet-A DIA

<u>Peak Identity</u>	<u>Area percentage</u>
n-nonane	1.42%
1,3,5-trimethylbenzene	1.27%
n-decane	5.14%
(1-methylpropyl)benzene	1.15%
4-methyldecane	1.03%
1-methyl-3-propylbenzene	1.46%
1-methyl-3-(1-methylethyl)benzene	1.03%
n-undecane	6.16%
1,2,3,5-tetramethylbenzene	1.23%
1,2,4,5- tetramethylbenzene	1.71%
2-methylundecane	1.09%
3-methylundecane	1.59%
1-methyl-3-pentylcyclohexane	1.33%
3,8-dimethyldecane	1.14%
n-dodecane	6.15%
2,6-dimethylundecane	1.96%
hexylcyclohexane	1.41%
2,6-dimethylundecane	1.27%
2-methyldodecane	1.27%
1,2,3,4-tetrahydro-6-methylnaphthalene	2.38%
n-tridecane	5.16%
1-methylnaphthalene	1.03%
heptylcyclohexane	1.68%
2-methyltridecane	1.16%
n-tetradecane	3.76%
octylcyclohexane	1.42%
n-pentadecane	1.99%

(d) Jet-A FNL

<u>Peak Identity</u>	<u>Area percentage</u>
propylbenzene	1.89%
1-methyl-4-(1-methylethyl)cyclohexane	1.60%
n-decane	5.81%
1-methyl-2-propylbenzene	1.10%
4-methyldecane	1.63%
1,2,3-trimethylbenzene	1.60%
butylcyclohexane	1.14%
1-methyl-3-propylbenzene	1.37%
4-methyldecane	2.43%
2-methyldecane	1.33%
3-methyldecane	1.33%
1-methyl-3-(1-methylethyl)benzene	1.59%
n-undecane	7.00%
1-methyl-4-(1-methylethyl)benzene	1.03%
1-ethyl-2,4-dimethylbenzene	1.59%
1,2,4,5-tetramethylbenzene	1.49%
3,7-dimethyldecane	1.10%
pentylcyclohexane	1.00%
1-methyl-2-(1-methylethyl)benzene	2.37%
5-methylundecane	1.36%
2-methylundecane	2.34%
3-methylundecane	1.74%
1-methyl-3-pentylcyclohexane	1.45%
n-dodecane	6.82%
2,6-dimethylundecane	2.66%
1,2,3,4-tetrahydro-1-methylnaphthalene	1.08%
hexylcyclohexane	1.69%
2,5-dimethylundecane	1.89%
2-methyldodecane	1.46%
1,2,3,4-tetrahydro-6-methylnapthalene	2.65%
2,4-dimethyl-1-(1-methylethyl)benzene	0.95%
n-tridecane	5.70%
4-methyltridecane	1.38%
n-tetradecane	3.29%

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(e) Jet-A APA

Peak Identity	Area percentage
1-ethyl-3-methylcyclohexane	1.02%
1-ethyl-3-methylbenzene	1.02%
3-methylnonane	1.09%
1-methyl-4-(1-methylethyl)cyclohexane	1.01%
n-decane	4.85%
(1-methylethyl)benzene,	1.57%
butylcyclohexane	1.59%
3,7-dimethylnonane	1.11%
(1,2-dimethylbutyl)cyclohexane	0.95%
4-methyl Decane	1.48%
2-methyl Decane	2.29%
3,8-dimethyl Decane	1.34%
2-ethyl-1,4-dimethylbenzene	1.37%
1-ethyl-3,5-dimethylbenzene	1.06%
1-methyl-3-(1-methylethyl)benzene	1.65%
n-undecane	6.07%
1-methyl-4-(1-methylpropyl)benzene	1.15%
2-ethyl-1,4-dimethylbenzene	1.54%
decahydro-2-methylnaphthalene	1.05%
1-methyl-2-(1-methylethyl)benzene	1.09%
1-methyl-4-(1-methylpropyl)benzene	2.21%
5-methylundecane	1.01%
pentylbenzene	1.28%
2-methylundecane	2.28%
2-isopropyl-1,3-dimethylcyclopentane	1.68%
1,1,3-trimethylcyclopentane	1.41%
n-dodecane	5.93%
2,6-dimethylundecane	2.09%
(1-methyl-1-butenyl)benzene	1.07%
hexylcyclohexane	1.57%
2,5-dimethylundecane	1.31%
2-methyldodecane	1.29%
1,2,3,4-tetrahydro-6-methylnapthalene	2.19%
n-tridecane	4.19%
n-tetradecane	1.30%

(f) Jet-A 3602

<u>Peak Identity</u>	<u>Area Percentage</u>
n-heptane	2.79%
methylcyclohexane	2.48%
2-methylheptane	1.99%
cis-1,3-dimethylcyclohexane	2.74%
n-octane	2.54%
1,1,3-trimethylcyclohexane	1.85%
1,2,4-trimethylcyclohexane	1.71%
ethylbenzene	1.15%
xylene	2.51%
n-nonane	4.42%
3-ethyl-2-methylheptane	1.84%
1,2,3-trimethylbenzene	2.08%
1-ethyl-2-methylbenzene	1.21%
diethylcyclopentane	1.65%
1,2,3-trimethylbenzene	1.25%
n-decane	5.50%
butylcyclohexane	1.29%
1-methyl-2-(1-methylethyl)benzene	2.37%
1-methyl-2-propylbenzene	1.09%
2-ethyl-1,4-dimethylbenzene	1.42%
n-undecane	5.99%
1-methyl-2-(1-methylpropyl)benzene	1.23%
4-ethyloctane	2.85%
1,2,4,5-tetramethylbenzene	1.14%
2-methylundecane	1.83%
(1,1-dimethylpropyl)benzene	1.38%
2-isopropyl-1,3-dimethylcyclopentane	1.23%
n-dodecane	5.66%
1-ethyl-4-(1-methylethyl)benzene	2.10%
2,4-dimethyl-1-(1-methylpropyl)benzene	1.38%
(2-methylpropyl)cyclohexane	1.99%
4-methyldodecane	1.06%
(1-methyl-1-butenyl)benzene	2.23%
n-tridecane	4.33%
4-(2-butenyl)-1,2-dimethylbenzene	1.07%
n-tetradecane	2.15%

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(g) Jet-A 3638

Peak Identity	Area Percentage
1,3-dimethylbenzene	1.00%
n-nonane	2.12%
3-ethyl-2-methylheptane	1.08%
4-methylnonane	1.56%
1,2,3-trimethylbenzene	1.18%
n-decane	7.17%
2,2,3,3-tetramethylhexane	2.23%
4-methyldecane	1.42%
2-methyldecane	1.29%
butylcyclohexane	1.25%
3,7-dimethylnonane	1.15%
tetramethylcyclohexane	2.35%
1-methyl-2-propylbenzene	1.51%
1-methyl-2-(1-methylethyl)benzene	1.29%
1-ethyl-3,5-dimethylbenzene	1.36%
n-undecane	9.80%
1,4-diethylbenzene	1.92%
pentylcyclohexane	1.14%
6-methylundecane	1.73%
4-methylundecane	1.37%
2-methylundecane	1.91%
3-methylundecane	1.47%
methyl-3-pentylcyclohexane	1.34%
n-dodecane	8.03%
2,6-dimethylundecane	2.33%
hexylcyclohexane	1.53%
4-ethyldecane	1.23%
4-methyldodecane	1.40%
3-methyldodecane	1.15%
1,2,3,4-tetrahydro-6-methylnaphthalene	2.56%
n-tridecane	4.91%
1-methylnaphthalene	1.09%
n-tetradecane	1.42%

(h) Jet-A 4597

<u>Peak Identity</u>	<u>Area Percentage</u>
n-nonane	1.72%
4-methylnonane	1.28%
n-decane	4.61%
1,3,5-trimethylbenzene	1.08%
butylcyclohexane	1.14%
2-methyldecane	1.29%
3-methyldecane	1.20%
1-methyl-2-(1-methylethyl)benzene	1.12%
1-methyl-2-(1-methylethyl)benzene	1.07%
n-undecane	6.80%
1,2,3,5-tetramethylbenzene	1.19%
4-methylundecane	1.93%
3-methylundecane	1.54%
1-methyl-4-(1-methylpropyl)benzene	1.73%
1-methyl-2-pentylcyclohexane	1.32%
1-methyl-3-(2-methylpropyl)cyclopentane	1.29%
n-dodecane	7.53%
2,6-dimethylundecane	2.19%
2-methyldodecane	1.50%
1,2,3,4-tetrahydro-1,2-dimethylnaphthalene	1.30%
1,2,3,4-tetrahydro-2,7-dimethylnaphthalene	1.79%
2,6-dimethylundecane	1.38%
4-methyldodecane	2.40%
n-tridecane	5.50%
2-methylnaphthalene	1.20%
2,5-dimethyldodecane	1.49%
5-butylonene	1.11%
n-tetradecane	3.43%
n-pentadecane	1.41%

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(i) Jet-A 4598

Peak Identity	Area percentage
1,3-dimethylcyclohexane	3.90%
3,6-dimethyloctane	1.24%
4-methylnonane	1.65%
1,1-dimethylcyclohexane	1.10%
n-decane	3.15%
4-methyldecane	1.08%
1,2,4-trimethylbenzene	1.09%
1-ethyl-2,4-dimethylbenzene	1.21%
n-undecane	2.75%
decahydro-2-methylnaphthanene	1.10%
2-ethyl-1,4-dimethylbenzene	1.72%
2-methylundecane	1.31%
n-dodecane	3.41%
2,6-dimethylundecane	2.03%
2,4-dimethylundecane	1.04%
1,2,3,4-tetrahydro-2-methylnaphthalene	1.25%
hexylcyclohexane	1.50%
4-methyldodecane	1.17%
2-methyldodecane	2.28%
2,6-dimethyloctane	1.64%
n-tridecane	3.92%
1,2,3,4-tetrahydro-1,4-dimethylnaphthalene	1.50%
1,2,3,4-tetradhydro-1,6,8-trimethylnaphthalene	1.83%
3,5-dimethyldodecane	1.00%
4,6-dimethyldodecane	1.56%
1,1,3-trimethyl-2-(3-methylpentyl)cyclohexane	1.60%
n-tetradecane	3.47%
4,8-dimethyltridecane	1.33%
2,3-dimethylnaphthalene	1.22%
1,2,3,4-tetrahydro-2,5,8-trimethylnaphthalene	1.37%
3-methyltetradecane	2.28%
5-methyl-5-propylnonane	1.02%
1,2,3,4-tetrahydro-2,5,8-trimethylnaphthalene	1.02%
n-pentadecane	2.62%
2,3,6-trimethylnaphthalene	1.02%
3-methylpentadecane	1.53%
n-hexadecane	1.58%

(J) Jet-A 4599

<u>Peak Identity</u>	<u>Area percentage</u>
n-decane	1.16%
n-undecane	3.10%
4-ethyl-1,2-dimethylbenzene	1.04%
2-methylundecane	1.35%
n-dodecane	4.28%
1,2,3,4-tetrahydro-5-methylnaphthalene	1.05%
3-methyldodecane	1.12%
4-methyldodecane	1.74%
1,1,3,3-tetramethylbenzene	1.05%
4-methyldodecane	1.03%
n-tridecane	4.72%
1,2,3,4-tetrahydro-6,7-dimethylnaphthalene	1.30%
1,2,3,4-tetrahydro-1,4-dimethylnaphthalene	1.02%
5-ethylundecane	1.08%
3-methyltridecane	1.20%
4,6-methyldodecane	1.23%
n-tetradecane	4.31%
1,4-dimethylnaphthalene	1.15%
2,7-dimethylnaphthalene	1.00%
cyclotetradecane	1.12%
2,6,10-trimethyldodecane	1.07%
4-methyl-1,1-biphenyl	1.08%
n-pentadecane	3.76%
7-methylpentadecane	1.01%
2,6,11-trimethyldodecane	1.20%
n-hexadecane	2.99%

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(k) Jet-A 4600

<u>Peak Identity</u>	<u>Area percentage</u>
n-octane	1.25%
n-nonane	1.17%
n-decane	1.91%
3-methyldecane,	1.82%
ethyl dimethylbenzene	1.02%
n-undecane	3.51%
1-ethyl-3,5-dimethylbenzene	1.08%
1-methyl-4-(1-methylpropyl)benzene	1.87%
1,2,3,4-tetrahydronaphthalene	1.15%
2-methylundecane	1.34%
n-dodecane	2.92%
2,6-dimethylundecane	1.06%
1,4-dimethyl-2-(2-methylpropyl)benzene	1.50%
1-tridecene	1.11%
n-tridecane	3.34%
1,4-dimethylnaphthalene	1.35%
1,2,3,4-tetrahydro-1,4-dimethylnapthalene	1.25%
4,6-dimethyldodecane	1.13%
n-tetradecane	3.32%
2,7-dimethylnapthalene	2.22%
1,3-dimethylnapthalene	1.40%
2,7-dimethylnapthalene	1.34%
3,5-dimethyldodecane	1.07%
n-pentadecane	2.82%
6-propyltridecane	1.14%
3-methylpentadecane	1.16%
n-hexadecane	2.29%

(I) Jet-A 4658

<u>Peak Identity</u>	<u>Area percentage</u>
n-nonane	2.43%
3,6-dimethyloctane	1.55%
propylbenzene	1.90%
1-ethyl-2-methylbenzene	2.15%
1,2,3-trimethylbenzene	1.12%
n-decane	4.60%
4-methyldecane	1.69%
1,3,5-trimethylbenzene	1.10%
1-methyl-3-(1-methylethyl)benzene	2.69%
2-methyldecane	1.16%
3-methyldecane	1.22%
1-ethyl-2,4-dimethylbenzene	1.06%
n-undecane	5.46%
2-ethyl-1,4-dimethylbenzene	1.06%
1-methyl-4-(1-methylpropyl)benzene	1.80%
4-methylundecane	1.35%
2-methylundecane	1.84%
1,2,3,4-tetrahydronaphthalene	1.00%
n-dodecane	6.23%
(1-methyl-1-butenyl)benzene	2.12%
2,4-dimethylundecane	1.30%
2-butyl-1,1,3-trimethylcyclohexane	1.19%
(2-methylpropyl)cyclohexane	1.55%
4-methyldodecane	1.27%
2-methyldodecane	2.43%
n-tridecane	5.58%
heptylcyclohexane	1.64%
2,6,10-trimethyldodecane	1.03%
n-tetradecane	3.57%
octylcyclohexane	1.37%
n-pentadecane	1.96%

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(m) Jet-A 4877

Peak Identity	Area percentage
n-decane	1.25%
1-ethyl-2,4-dimethylbenzene	1.18%
n-undecane	4.98%
3,7-dimethyldecane	1.66%
(2-methyl-1-propenyl)benzene	1.31%
1,2,3,4-tetramethylbenzene	1.01%
5-methylundecane	1.77%
4-methylundecane	1.22%
3-methylundecane	1.65%
1,2,3,4-tetrahydronaphthalene	2.20%
3-methylundecane	1.72%
1-methyl-4-(1-methylpropyl)benzene	1.05%
n-dodecane	8.08%
2,6-dimethylundecane	1.50%
1,2,3-tetramethylcyclohexane	1.92%
1,2,3,4-tetrahydro-6-methylnaphthalene	1.14%
pentamethylbenzene	1.39%
hexylcyclohexane	1.47%
4-methyldodecane	1.77%
2-methyldodecane	1.16%
1,2,3,4-tetrahydro-5-methylnaphthalene	2.52%
3-methylundecane,	1.86%
1,2,3,4-tetrahydro-5-methylnaphthalene	1.57%
n-tridecane	7.51%
2-methylnaphthalene,	2.34%
1,2,3,4-tetrahydro-5,7-dimethylnaphthalene	1.75%
octylcyclohexane	1.19%
6-methyltridecane	1.25%
2-methyltridecane	1.15%
3-methyltridecane	1.61%
n-tetradecane	4.52%
2,6 dimethylnaphthalene	1.14%
2,6,11-trimethyldodecane,	1.29%
1,7-dimethylnaphthalene,	1.00%
n-pentadecane	1.64%

(n)Jet-A 5237

Peak Identity	Area percentage
1-methyl-2-(1-methylethyl)benzene	2.18%
n-undecane	3.37%
1,2,3,4-tetramethylbenzene	1.39%
1,2,3,4-tetramethylbenzene	1.22%
1,2,3,4-tetramethylbenzene	1.72%
4-methylundecane	1.87%
2-methylundecane	2.05%
3-methylundecane	1.47%
(2-methyl-1-butenyl)benzene	3.39%
n-dodecane	6.02%
2,6-dimethylundecane	1.41%
2-butyl-1,1,3-trimethylcyclohexane	1.75%
1,2,3,4-tetrahydro-5-methyl naphthalene	1.05%
1,3-dimethyl-5-(1-methylethyl)benzene	1.47%
6-ethylundecane	1.48%
4-methyldodecane	2.05%
2-methyldodecane	1.37%
2-methyldodecane	2.24%
3-methyldodecane	1.39%
2-ethyl-1,4-dimethylbenzene,	1.29%
2,4-dimethyl-1-(1-methylpropyl)benzene	2.91%
n-tridecane	5.81%
2-methylnaphthalene	2.17%
1,2,3,4-tetrahydro-5,7-dimethylnaphthalene	1.67%
(2,4-dimethylpentyl)benzene	1.08%
heptylcyclohexane	1.26%
6-methyltridecane	1.13%
4-methyltridecane	1.04%
2-methyltridecane	1.39%
3-methyltridecane	2.01%
n-tetradecane	3.20%
n-pentadecane	1.26%

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(o) Jet-A 5245

<u>Peak Identity</u>	<u>Area percentage</u>
n-decane	1.07%
1-methyl-4-propylbenzene	1.05%
3-methyldecane	0.77%
n-undecane	3.98%
1-methyl-2-(1-methylethyl)benzene	1.18%
decahydro-2-methylnaphthalene	1.13%
3,7-dimethyldecane	0.83%
4-ethyl-1,2-dimethylbenzene	1.11%
1,2,3,4-tetrahydronaphthalene	1.38%
2-methylundecane	1.22%
n-dodecane	4.68%
2,6-dimethylundecane	1.19%
5-methyldodecane	1.18%
2-methyldodecane	1.73%
1,2,3,4-tetrahydro-6-methylnaphthalene	1.13%
cyclotridecane	1.24%
n-tridecane	5.83%
1,2,3,4-tetrahydro-1,4-dimethylnaphthalene	2.08%
4-(2-butenyl)-1,2-dimethylbenzene	1.38%
6-methyltridecane	1.12%
4-methyl tridecane	1.14%
2,5-dimethyldodecane	1.18%
3-methyl-5-propylnonane	2.55%
n-tetradecane	5.72%
4,8-dimethyltridecane	1.63%
2,6,11-trimethyldodecane	1.00%
2,6,10-trimethyldodecane	2.03%
2-methylpropylcyclohexane	1.78%
4-methyltetradecane	1.18%
1-pentadecene	1.80%
n-pentadecane	4.16%
2-methylpentadecane	1.07%
2-methylpentadecane	1.05%
n-hexadecane	2.07%

(p)Jet-A 5677

Peak Identity	Area percentage
n-decane	1.29%
1-ethyl-3,5-dimethylbenzene	1.20%
n-undecane	4.32%
1,2,3,4-tetramethylbenzene	1.21%
3,7-dimethyldecane	1.17%
1,2,3,4-tetramethylbenzene	1.15%
1,2,3,4-tetrahydronaphthalene	1.35%
2-methylundecane	1.19%
n-dodecane	4.49%
2,6-dimethylundecane,	1.08%
4-methyltridecane	1.06%
2-methyltridecane	1.56%
1,2,3,4-tetrahydro-6-methylnaphthalene	1.04%
cyclotridecane	1.17%
n-tridecane	5.25%
1,2,3,4-tetrahydro-1,4-dimethylnaphthalene	1.88%
1,2,3,4-tetrahydro-6,7-dimethylnaphthalene	1.02%
6-methyltridecane	1.02%
2-methyltridecane	1.08%
3-methyltridecane	2.32%
n-tetradecane	5.29%
5-methyltetradecane	1.49%
2,6,11-trimethyldodecane	1.75%
1-(2-butenyl)-2,3-dimethylbenzene	1.65%
3-methyl-5-propylnonane	1.12%
2,6,10-trimethyldodecane	1.73%
n-pentadecane	4.16%
6,9-dimethyltetradecane	1.05%
nonylcyclohexane	1.04%
6-propyltridecane	1.14%
n-hexadecane	2.49%

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(q)Jet-A 5916

Peak Identity	Area percentage
n-undecane	2.24%
2-methylundecane	1.26%
3-methylundecane	1.09%
1,2,3,4-tetrahydronaphthalene	0.88%
n-dodecane	3.67%
2,6-dimethylundecane	1.14%
2-butyl-1,1,3-trimethylcyclohexane	1.17%
hexylcyclohexane	1.06%
2,6-dimethylundecane	1.32%
1,2,3,4-tetrahydro-5-methylnaphthalene	1.20%
2,6-dimethyloctane	1.95%
1-ethyl-4-methylcyclohexane	1.37%
1-methylnaphthalene	1.22%
n-tridecane	5.18%
1,2,3,4-tetrahydro-5,7-dimethylnaphthalene	1.06%
2-methylnaphthalene	2.49%
1,2,3,4-tetrahydro-6,7-dimethylnaphthalene	1.86%
heptylcyclohexane	1.35%
6-methyltridecane	1.14%
4-methyltridecane	1.02%
2-methyltridecane	1.37%
3,5-dimethyldodecane	2.21%
cyclotetradecane	1.11%
n-tetradecane	5.44%
4,8-dimethyltridecane	1.13%
2,3-dimethylnaphthalene	2.29%
1,7-dimethylnaphthalene	2.11%
octylcyclohexane	1.83%
3-methyltetradecane	1.14%
4-methyl-1,1-biphenyl	1.99%
n-pentadecane	3.66%
6-methylpentadecane	1.52%
n-hexadecane	1.49%

(r) Jet-A 6407

<u>Peak Identity</u>	<u>Area percentage</u>
n-decane	1.63%
3-methyldecane	2.02%
decahydronaphthalene	1.28%
1-ethyl-2,4-dimethylbenzene	1.75%
2,3-dimethylnonane	2.36%
2-methyldecane	1.74%
1-methyl-4-(1-methylethyl)benzene	1.51%
1-methyl-2-(1-methylethyl)benzene	1.32%
n-undecane	9.67%
2-methyl-decalin	1.00%
1-methyl-4-(1-methylethyl)benzene	2.77%
2-syn-methyl-cis-decalin	2.62%
3,7-dimethyldecane	1.73%
pentylcyclohexane	1.11%
1-methyl-4-(2-propenyl)benzene	1.11%
1-methyl-4-(1-methylpropyl)benzene	1.80%
5-methylundecane	3.14%
1,2,3,4-tetrahydronaphthalene	1.66%
2-methylundecane	1.55%
3,8-dimethyldecane	1.03%
n-dodecane	6.73%
(1-methyl-1-butenyl)benzene	1.34%
hexylcyclohexane	1.45%
1-tridecene	1.13%
2,6-dimethylundecane	2.34%
1-pentyl-2-propylcyclopentane	1.55%
1,3,5-trimethyl-2-propylbenzene	1.24%
n-tridecane	3.94%
6-methyltridecane	1.43%
1,2,3,4-tetrahydro-6,7-dimethylnaphthalene	1.34%
n-tetradecane	2.35%
octylcyclohexane	1.18%
n-pentadecane	1.03%

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(s) JP-8 4571

<u>Peak Identity</u>	<u>Area percentage</u>
n-nonane	1.82%
2,6-dimethyloctane	1.16%
2-methylnonane	1.84%
1-ethyl-2-methylbenzene	1.40%
1,2,3-trimethylbenzene	1.11%
n-decane	5.07%
4-methyldecane	1.98%
butylcyclohexane	1.13%
1-methyl-2-propylbenzene	2.41%
4-ethyl-1,2-dimethylbenzene	1.36%
1-ethyl-2,4-dimethylbenzene	1.48%
1-ethyl-1,2-dimethylcyclohexane	1.27%
4-ethyl-1,2-dimethylbenzene	1.11%
n-undecane	5.62%
1-ethyl-3,5-dimethylbenzene	1.18%
5-methylundecane	1.91%
4-methylundecane	1.03%
2-methylundecane	1.42%
3-methylundecane	2.06%
(1,1-dimethylpropyl)benzene	1.15%
methylcycloheptane	1.00%
n-dodecane	5.86%
2,5-dimethylundecane	2.11%
2-butyl, 1,1,3-trimethylcyclohexane	1.01%
(2-methylpropyl)cyclohexane	1.30%
5-methyldodecane	1.44%
4-methyldodecane	0.84%
2-methyldodecane	1.30%
3-methyldodecane	2.44%
n-tridecane	5.21%
6-methyltridecane	1.70%
n-tetradecane	3.27%
4-methyldodecane	1.23%
n-pentadecane	1.31%

(t) JP-8 6169

<u>Peak Identity</u>	<u>Area percentage</u>
n-nonane	2.95%
3,6-dimethyloctane	1.57%
1-ethyl-3-methylbenzene	2.42%
1-ethyl-2-methylbenzene	2.05%
1,2,3-trimethylbenzene	1.30%
n-decane	6.35%
4-methyldecane	1.54%
1,2,4-trimethylbenzene	1.29%
4-methyldecane	1.53%
4-methyldecane	1.50%
2-methyldecane	1.37%
3-methyldecane	1.41%
1-ethyl-2,4-dimethylbenzene	1.17%
2-ethyl-1,4-dimethylbenzene	1.04%
n-undecane	6.15%
2-methyl-trans-decalin	1.16%
1-methyl-2-(1-methylethyl)benzene	1.64%
4-methylundecane	1.33%
2-methylundecane	1.72%
3-methylundecane	1.18%
n-dodecane	6.01%
2,5-dimethylundecane	2.06%
1,4-diethyl-2-methylbenzene	1.35%
1-methyl-2-(1-ethylpropyl)benzene	1.19%
hexylcyclohexane	1.60%
4-methyldodecane	1.18%
2-methyldodecane	2.10%
n-tridecane	5.14%
heptylcyclohexane	1.54%
n-tetradecane	3.19%
n-pentadecane	1.15%

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(u) JP-5 4810

<u>Peak Identity</u>	<u>Area percentage</u>
n-decane	3.74%
1-ethyl-3-methylbenzene	1.39%
butylcyclohexane	1.00%
3,7-dimethylnonane	1.03%
1-methyl-3-(1-methylethyl)benzene	2.90%
2-methyldecane	1.22%
3-methyldecane	1.21%
1-methyl-2-(1-methylethyl)benzene	1.36%
n-undecane	7.17%
2-methyl-trans-decalin	1.74%
2-methyldecalin	1.08%
pentylcyclohexane	1.22%
1-methyl-2-(1-methylpropyl)benzene	2.12%
2-methylundecane	1.05%
3-methylundecane	1.59%
decahydro-2,6-dimethylnaphthalene	2.01%
1-methyl-4-(1-methylpropyl)benzene	1.98%
1-methyl-2-pentylcyclohexane	1.50%
n-dodecane	7.24%
2,6-dimethylundecane	2.91%
1,4-diethyl-2-methylbenzene	2.03%
hexylcyclohexane	1.75%
2,4-dimethylundecane	2.03%
2-methyldodecane	1.59%
5-methyldodecane	2.82%
n-tridecane	5.20%
1-methylnaphthalene	1.15%
2,5-dimethyldodecane	1.02%
4-methyltridecane	1.02%
2-methyltridecane	1.72%
cyclotetradecane	1.62%
n-tetradecane	3.41%
4-methyltetradecane	1.03%
n-pentadecane	1.18%