*************** Header Section ***************
MOBILE6 INPUT FILE : Jackson County Emissions - 1996
DATABASE OUTPUT :
WITH FIELDNAMES :
AGGREGATED OUTPUT :
POLLUTANTS : HC NOX
REPORT FILE : Jack1996.txt
EMISSIONS TABLE : Jack1996.tb1
RUN DATA
*************** Run Section ***************
* These min/max temperatures are July averages from Jackson County
MIN/MAX TEMP : 63.6  85.3
ABSOLUTE HUMIDITY : 89.1
CLOUD COVER : 0.33
SUNRISE/SUNSET : 6  8
FUEL RVP : 9.0
NO REFUELING :
REG DIST : 36-reg.d
*************** Scenario Section ***************
SCENARIO RECORD : Scenario 1: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 66.1 FREEWAY 97.0  0.0  0.0  3.0
VMT FRACTIONS :
0.3525 0.0536 0.1783 0.0549 0.0253 0.1065 0.0106 0.0084
0.0061 0.0234 0.0279 0.0304 0.1088 0.0058 0.0028 0.0047
*************** Scenario Section ***************
SCENARIO RECORD : Scenario 2: HPMS Rural OPA (M6 Non-Ramp)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 51.4 NON-RAMP
VMT FRACTIONS :
0.4333 0.0658 0.2190 0.0675 0.0311 0.0573 0.0057 0.0045
0.0033 0.0126 0.0150 0.0164 0.0585 0.0033 0.0015 0.0052
*************** Scenario Section ***************
SCENARIO RECORD : Scenario 3: HPMS Rural Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 47.7 ARTERIAL
VMT FRACTIONS :
0.4662 0.0708 0.2357 0.0726 0.0334 0.0374 0.0037 0.0029
0.0022 0.0082 0.0098 0.0107 0.0382 0.0026 0.0013 0.0043
*************** Scenario Section ***************
SCENARIO RECORD : Scenario 4: HPMS Rural Major Collector (M6 Arterial/Collector)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 38.5 ARTERIAL
VMT FRACTIONS :
0.4821 0.0732 0.2437 0.0751 0.0345 0.0275 0.0027 0.0022
0.0016 0.0060 0.0072 0.0078 0.0280 0.0024 0.0011 0.0049
*************** Scenario Section ***************
SCENARIO RECORD : Scenario 5: HPMS Rural Minor Collector (M6 Arterial/Collector)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 33.9 ARTERIAL
VMT FRACTIONS :
0.4532 0.0689 0.2292 0.0706 0.0325 0.0399 0.0040 0.0031
SCENARIO RECORD : Scenario 6: HPMS Rural Local (M6 Arterial/Collector)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 29.3 ARTERIAL
VMT FRACTIONS :
0.4789 0.0728 0.2421 0.0746 0.0343 0.0294 0.0029 0.0023
0.0017 0.0065 0.0077 0.0084 0.0300 0.0026 0.0013 0.0045

SCENARIO RECORD : Scenario 7: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 62.9 FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS :
0.4155 0.0631 0.2101 0.0647 0.0688 0.0268 0.0064 0.0054
0.0004 0.0010 0.0180 0.0196 0.0423 0.0021 0.0012 0.0025

SCENARIO RECORD : Scenario 8: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : XX.X FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS :
0.4554 0.0692 0.2303 0.0710 0.0326 0.0446 0.0044 0.0033
0.0026 0.0098 0.0117 0.0127 0.0456 0.0011 0.0007 0.0040

SCENARIO RECORD : Scenario 9: HPMS Urban OPA (M6 Arterial/Collector)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 41.4 ARTERIAL
VMT FRACTIONS :
0.4868 0.0740 0.2462 0.0759 0.0349 0.0251 0.0025 0.0020
0.0014 0.0055 0.0066 0.0072 0.0257 0.0015 0.0007 0.0040

SCENARIO RECORD : Scenario 10: HPMS Urban Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 38.0 ARTERIAL
VMT FRACTIONS :
0.4944 0.0751 0.2499 0.0770 0.0354 0.0203 0.0020 0.0016
0.0012 0.0045 0.0053 0.0058 0.0207 0.0018 0.0008 0.0042

SCENARIO RECORD : Scenario 11: HPMS Urban Collector (M6 Arterial/Collector)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
AVERAGE SPEED : 33.9 ARTERIAL
VMT FRACTIONS :
0.5024 0.0763 0.2540 0.0783 0.0360 0.0152 0.0015 0.0012
0.0009 0.0033 0.0040 0.0043 0.0155 0.0010 0.0005 0.0056

SCENARIO RECORD : Scenario 12: HPMS Urban Local (M6 Local Road)
CALENDAR YEAR : 1996
EVALUATION MONTH : 7
VMT BY FACILITY : fvmtlocl.def
VMT FRACTIONS :
0.5099 0.0775 0.2579 0.0795 0.0366 0.0106 0.0010 0.0008
0.0006 0.0023 0.0028 0.0030 0.0108 0.0028 0.0013 0.0026
END OF RUN

******************** Header Section ********************
MOBILE6 INPUT FILE : Jackson County Emissions - 1999
DATABASE OUTPUT :
WITH FIELDNAMES :
AGGREGATED OUTPUT :
POLLUTANTS : HC NOX
REPORT FILE : Jack1999.txt
EMISSIONS TABLE : Jack1999.tb1
RUN DATA

******************** Run Section ********************
* These min/max temperatures are July averages from Jackson County
MIN/MAX TEMP : 63.6 85.3
ABSOLUTE HUMIDITY : 89.1
CLOUD COVER : 0.33
SUNRISE/SUNSET : 6 8
FUEL RVP : 9.0
NO REFUELING :
REG DIST : 36-reg.d

******************** Scenario Section ********************
SCENARIO RECORD : Scenario 1: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 1999
EVALUATION MONTH : 7
AVERAGE SPEED : 66.0 FREEWAY 97.0 0.0 0.0 3.0
VMT FRACTIONS :
0.3525 0.0536 0.1783 0.0549 0.0253 0.1065 0.0106 0.0084
0.0061 0.0234 0.0279 0.0304 0.1088 0.0058 0.0028 0.0047

******************** Scenario Section ********************
SCENARIO RECORD : Scenario 2: HPMS Rural OPA (M6 Non-Ramp)
CALENDAR YEAR : 1999
EVALUATION MONTH : 7
AVERAGE SPEED : 51.1 NON-RAMP
VMT FRACTIONS :
0.4333 0.0658 0.2190 0.0675 0.0311 0.0573 0.0057 0.0045
0.0033 0.0126 0.0150 0.0164 0.0585 0.0033 0.0015 0.0052

******************** Scenario Section ********************
SCENARIO RECORD : Scenario 3: HPMS Rural Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 1999
EVALUATION MONTH : 7
AVERAGE SPEED : 47.7 ARTERIAL
VMT FRACTIONS :
0.4662 0.0708 0.2357 0.0726 0.0334 0.0374 0.0037 0.0029
0.0022 0.0082 0.0098 0.0107 0.0382 0.0026 0.0013 0.0043

******************** Scenario Section ********************
SCENARIO RECORD : Scenario 4: HPMS Rural Major Collector (M6 Arterial/Collector)
CALENDAR YEAR : 1999
EVALUATION MONTH : 7
AVERAGE SPEED : 38.4 ARTERIAL
VMT FRACTIONS :
0.4821 0.0732 0.2437 0.0751 0.0345 0.0275 0.0027 0.0022
0.0016 0.0060 0.0072 0.0078 0.0280 0.0024 0.0011 0.0049

******************** Scenario Section ********************
SCENARIO RECORD : Scenario 5: HPMS Rural Minor Collector (M6 Arterial/Collector)
CALENDAR YEAR : 1999
EVALUATION MONTH : 7
AVERAGE SPEED : 33.9 ARTERIAL
VMT FRACTIONS :
0.4532 0.0689 0.2292 0.0706 0.0325 0.0399 0.0040 0.0031
0.0023 0.0088 0.0104 0.0114 0.0407 0.0026 0.0013 0.0211

**************************** Scenario Section ****************************
SCENARIO RECORD    : Scenario 6: HPMS Rural Local (M6 Arterial/Collector)
CALENDAR YEAR      : 1999
EVALUATION MONTH   : 7
AVERAGE SPEED      : 29.3 ARTERIAL
VMT FRACTIONS      :
0.4789 0.0728 0.2421 0.0743 0.0343 0.0294 0.0029 0.0023
0.0017 0.0065 0.0077 0.0084 0.0030 0.0026 0.0013 0.0045

**************************** Scenario Section ****************************
SCENARIO RECORD    : Scenario 7: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR      : 1999
EVALUATION MONTH   : 7
AVERAGE SPEED      : 63.0 FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS      :
0.4155 0.0631 0.2101 0.0647 0.0298 0.0688 0.0068 0.0054
0.0040 0.0151 0.0180 0.0196 0.0702 0.0043 0.0021 0.0045

**************************** Scenario Section ****************************
SCENARIO RECORD    : Scenario 8: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)
CALENDAR YEAR      : 1999
EVALUATION MONTH   : 7
AVERAGE SPEED      : XX.X FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS      :
0.4554 0.0692 0.2303 0.0710 0.0260 0.0446 0.0044 0.0035
0.0026 0.0098 0.0117 0.0127 0.0245 0.0022 0.0011 0.0033

**************************** Scenario Section ****************************
SCENARIO RECORD    : Scenario 9: HPMS Urban OPA (M6 Arterial/Collector)
CALENDAR YEAR      : 1999
EVALUATION MONTH   : 7
AVERAGE SPEED      : 41.1 ARTERIAL
VMT FRACTIONS      :
0.4868 0.0740 0.2462 0.0759 0.0349 0.0251 0.0025 0.0020
0.0014 0.0055 0.0066 0.0072 0.0257 0.0015 0.0007 0.0040

**************************** Scenario Section ****************************
SCENARIO RECORD    : Scenario 10: HPMS Urban Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR      : 1999
EVALUATION MONTH   : 7
AVERAGE SPEED      : 37.9 ARTERIAL
VMT FRACTIONS      :
0.4944 0.0751 0.2499 0.0770 0.0354 0.0203 0.0020 0.0016
0.0012 0.0045 0.0053 0.0058 0.0207 0.0018 0.0008 0.0042

**************************** Scenario Section ****************************
SCENARIO RECORD    : Scenario 11: HPMS Urban Collector (M6 Arterial/Collector)
CALENDAR YEAR      : 1999
EVALUATION MONTH   : 7
AVERAGE SPEED      : 33.9 ARTERIAL
VMT FRACTIONS      :
0.5024 0.0763 0.2540 0.0783 0.0360 0.0152 0.0015 0.0012
0.0009 0.0033 0.0040 0.0043 0.0155 0.0010 0.0005 0.0056

**************************** Scenario Section ****************************
SCENARIO RECORD    : Scenario 12: HPMS Urban Local (M6 Local Road)
CALENDAR YEAR      : 1999
EVALUATION MONTH   : 7
VMT BY FACILITY    : fvmtlocl.def
VMT FRACTIONS      :
0.5099 0.0775 0.2579 0.0795 0.0366 0.0106 0.0010 0.0008
END OF RUN

*************** Header Section  ***************
MOBILE6 INPUT FILE : Jackson County Emissions
DATABASE OUTPUT :
WITH FIELDDNAMES :
AGGREGATED OUTPUT :
POLLUTANTS : HC NOX
REPORT FILE : Jackson.txt
EMISSIONS TABLE : Jackson.tbl

*************** Run Section  ******************
* These min/max temperatures are July averages from Jackson County
MIN/MAX TEMP : 63.6  85.3
ABSOLUTE HUMIDITY : 89.1
CLOUD COVER : 0.33
SUNRISE/SUNSET : 6  8
FUEL RVP : 9.0
NO REFUELING :
REG DIST : 36-reg.d

*************** Scenario Section  ***************
SCENARIO RECORD : Scenario 1: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 66.1 FREEWAY 97.0 0.0 0.0 3.0
VMT FRACTIONS : 
0.3525 0.0536 0.1783 0.0549 0.0253 0.1065 0.0106 0.0084
0.0061 0.0234 0.0279 0.0304 0.1088 0.0058 0.0028 0.0047

*************** Scenario Section  ***************
SCENARIO RECORD : Scenario 2: HPMS Rural OPA (M6 Non-Ramp)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 51.2 NON-RAMP
VMT FRACTIONS : 
0.4333 0.0658 0.2190 0.0675 0.0111 0.0573 0.0057 0.0045
0.0033 0.0126 0.0150 0.0164 0.0585 0.0033 0.0015 0.0052

*************** Scenario Section  ***************
SCENARIO RECORD : Scenario 3: HPMS Rural Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 47.7 ARTERIAL
VMT FRACTIONS : 
0.4662 0.0708 0.2357 0.0726 0.0334 0.0374 0.0037 0.0029
0.0022 0.0082 0.0098 0.0107 0.0382 0.0026 0.0013 0.0043

*************** Scenario Section  ***************
SCENARIO RECORD : Scenario 4: HPMS Rural Major Collector (M6 Arterial/Collector)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 38.4 ARTERIAL
VMT FRACTIONS :
0.4821 0.0732 0.2437 0.0751 0.0275 0.0027 0.0022 0.0016 0.0060 0.0072 0.0078 0.0280 0.0024 0.0011 0.0049

Scenario Section

SCENARIO RECORD : Scenario 5: HPMS Rural Minor Collector (M6 Arterial/Collector)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 33.9 ARTERIAL
VMT FRACTIONS :
0.4532 0.0689 0.2292 0.0706 0.0325 0.0399 0.0040 0.0031 0.0023 0.0088 0.0104 0.0114 0.0407 0.0026 0.0013 0.0211

Scenario Section

SCENARIO RECORD : Scenario 6: HPMS Rural Local (M6 Arterial/Collector)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 29.3 ARTERIAL
VMT FRACTIONS :
0.4789 0.0728 0.2421 0.0746 0.0343 0.0294 0.0029 0.0023 0.0017 0.0065 0.0077 0.0084 0.0300 0.0026 0.0013 0.0045

Scenario Section

SCENARIO RECORD : Scenario 7: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 63.1 FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS :
0.4155 0.0631 0.2101 0.0647 0.0298 0.0688 0.0068 0.0054 0.0040 0.0151 0.0180 0.0196 0.0702 0.0043 0.0021 0.0025

Scenario Section

SCENARIO RECORD : Scenario 8: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : XX.X FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS :
0.4554 0.0692 0.2303 0.0710 0.0326 0.0446 0.0044 0.0035 0.0026 0.0098 0.0117 0.0127 0.0456 0.0022 0.0011 0.0033

Scenario Section

SCENARIO RECORD : Scenario 9: HPMS Urban OPA (M6 Arterial/Collector)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 41.3 ARTERIAL
VMT FRACTIONS :
0.4868 0.0740 0.2462 0.0759 0.0349 0.0251 0.0025 0.0020 0.0014 0.0055 0.0066 0.0072 0.0257 0.0015 0.0007 0.0040

Scenario Section

SCENARIO RECORD : Scenario 10: HPMS Urban Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 37.8 ARTERIAL
VMT FRACTIONS :
0.4944 0.0751 0.2499 0.0503 0.0058 0.0207 0.0018 0.0008 0.0042
*************** Scenario Section **********************
SCENARIO RECORD : Scenario 11: HPMS Urban Collector (M6 Arterial/Collector)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
AVERAGE SPEED : 33.8 ARTERIAL
VMT FRACTIONS :
0.5024 0.0763 0.2540 0.0783 0.0360 0.0152 0.0015 0.0012 0.0009 0.0033 0.0040 0.0043 0.0155 0.0010 0.0005 0.0056
*************** Scenario Section **********************
SCENARIO RECORD : Scenario 12: HPMS Urban Local (M6 Local Road)
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
VMT BY FACILITY : fvmtlocl.def
VMT FRACTIONS :
0.5099 0.0775 0.2579 0.0795 0.0366 0.0106 0.0010 0.0008 0.0006 0.0023 0.0028 0.0030 0.0108 0.0028 0.0013 0.0026
END OF RUN :
*************** Run Section **********************
* These min/max temperatures are July averages from Jackson County
MIN/MAX TEMP : 63.6 85.3
ABSOLUTE HUMIDITY : 89.1
CLOUD COVER : 0.33
SUNRISE/SUNSET : 6 8
FUEL RVP : 9.0
NO REFUELING :
REG DIST : 36-reg.d
*************** Scenario Section **********************
SCENARIO RECORD : Scenario 13: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 65.8 FREEWAY 97.0 0.0 0.0 3.0
VMT FRACTIONS :
0.3525 0.0536 0.1783 0.0549 0.0253 0.1065 0.0106 0.0084 0.0061 0.0234 0.0279 0.0304 0.1088 0.0058 0.0028 0.0047
*************** Scenario Section **********************
SCENARIO RECORD : Scenario 14: HPMS Rural OPA (M6 Non-Ramp)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 50.5 NON-RAMP
VMT FRACTIONS :
0.4333 0.0658 0.2190 0.0675 0.0311 0.0573 0.0057 0.0045 0.0033 0.0126 0.0150 0.0164 0.0585 0.0033 0.0015 0.0052
*************** Scenario Section **********************
SCENARIO RECORD : Scenario 15: HPMS Rural Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 47.7 ARTERIAL
VMT FRACTIONS :
0.4662 0.0708 0.2357 0.0726 0.0037 0.0029
0.0022 0.0082 0.0098 0.0107 0.0382 0.0026 0.0013 0.0043

******************** Scenario Section **********************
SCENARIO RECORD : Scenario 16: HPMS Rural Major Collector (M6 Arterial/Collector)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 38.3 ARTERIAL
VMT FRACTIONS :
0.4821 0.0732 0.2437 0.0751 0.0275 0.0027
0.0016 0.0060 0.0072 0.0078 0.0280 0.0024 0.0011 0.0049

******************** Scenario Section **********************
SCENARIO RECORD : Scenario 17: HPMS Rural Minor Collector (M6 Arterial/Collector)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 33.9 ARTERIAL
VMT FRACTIONS :
0.4532 0.0689 0.2292 0.0706 0.0325 0.0040 0.0031
0.0023 0.0088 0.0104 0.0114 0.0407 0.0026 0.0013 0.0211

******************** Scenario Section **********************
SCENARIO RECORD : Scenario 18: HPMS Rural Local (M6 Arterial/Collector)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 29.2 ARTERIAL
VMT FRACTIONS :
0.4789 0.0728 0.2421 0.0746 0.0343 0.0294 0.0029
0.0017 0.0065 0.0077 0.0084 0.0300 0.0026 0.0013 0.0045

******************** Scenario Section **********************
SCENARIO RECORD : Scenario 19: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 62.8 FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS :
0.4155 0.0631 0.2101 0.0647 0.0298 0.0688 0.0068 0.0054
0.0040 0.0151 0.0180 0.0196 0.0702 0.0043 0.0021 0.0025

******************** Scenario Section **********************
SCENARIO RECORD : Scenario 20: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : XX.X FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS :
0.4554 0.0692 0.2303 0.0710 0.0326 0.0446 0.0044 0.0035
0.0026 0.0098 0.0117 0.0127 0.0456 0.0022 0.0011 0.0033

******************** Scenario Section **********************
SCENARIO RECORD : Scenario 21: HPMS Urban OPA (M6 Arterial/Collector)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 40.7 ARTERIAL
VMT FRACTIONS :
0.4868 0.0740 0.2462 0.0759 0.0349 0.0251 0.0025 0.0020
0.0014 0.0055 0.0066 0.0072 0.0257 0.0015 0.0007 0.0040

******************** Scenario Section ***********************
SCENARIO RECORD : Scenario 22: HPMS Urban Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 37.6 ARTERIAL
VMT FRACTIONS :
0.4944 0.0751 0.2499 0.0770 0.0354 0.0203 0.0020 0.0016
0.0012 0.0045 0.0053 0.0058 0.0207 0.0018 0.0008 0.0042

******************** Scenario Section ***********************
SCENARIO RECORD : Scenario 23: HPMS Urban Collector (M6 Arterial/Collector)
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
AVERAGE SPEED : 33.8 ARTERIAL
VMT FRACTIONS :
0.5024 0.0763 0.2540 0.0783 0.0360 0.0152 0.0015 0.0012
0.0009 0.0033 0.0040 0.0043 0.0155 0.0010 0.0005 0.0056

******************** Scenario Section ***********************
SCENARIO RECORD : Scenario 24: HPMS Urban Local (M6 Local Road) - 12.9
CALENDAR YEAR : 2010
EVALUATION MONTH : 7
VMT BY FACILITY : fvmtloc1.def
VMT FRACTIONS :
0.5099 0.0775 0.2579 0.0795 0.0366 0.0106 0.0010 0.0008
0.0006 0.0023 0.0028 0.0030 0.0108 0.0028 0.0013 0.0026
END OF RUN :

******************** Run Section ********************
* These min/max temperatures are July averages from Jackson County
MIN/MAX TEMP : 63.6 85.3
ABSOLUTE HUMIDITY : 89.1
CLOUD COVER : 0.33
SUNRISE/SUNSET : 6 8
FUEL RVP : 9.0
NO REFUELING :
REG DIST : 36-reg.d

******************** Scenario Section ***********************
SCENARIO RECORD : Scenario 25: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
AVERAGE SPEED : 65.7 FREEWAY 97.0 0.0 0.0 3.0
VMT FRACTIONS :
0.3525 0.0536 0.1783 0.0549 0.0253 0.1065 0.0106 0.0084
0.0061 0.0234 0.0279 0.0304 0.1088 0.0058 0.0028 0.0047
*************** Scenario Section *********************
SCENARIO RECORD  : Scenario 26: HPMS Rural OPA (M6 Non-Ramp)
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
AVERAGE SPEED    : 50.2 NON-RAMP
VMT FRACTIONS    :
0.4333 0.0658 0.2190 0.0675 0.0311 0.0573 0.0057 0.0045
0.0033 0.0126 0.0150 0.0164 0.0585 0.0033 0.0015 0.0052
*************** Scenario Section *********************
SCENARIO RECORD  : Scenario 27: HPMS Rural Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
AVERAGE SPEED    : 47.7 ARTERIAL
VMT FRACTIONS    :
0.4662 0.0708 0.2357 0.0726 0.0334 0.0374 0.0037 0.0029
0.0022 0.0082 0.0098 0.0107 0.0382 0.0026 0.0013 0.0043
*************** Scenario Section *********************
SCENARIO RECORD  : Scenario 28: HPMS Rural Major Collector (M6 Arterial/Collector)
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
AVERAGE SPEED    : 38.2 ARTERIAL
VMT FRACTIONS    :
0.4821 0.0732 0.2437 0.0751 0.0345 0.0275 0.0027 0.0022
0.0016 0.0060 0.0072 0.0078 0.0280 0.0024 0.0011 0.0049
*************** Scenario Section *********************
SCENARIO RECORD  : Scenario 29: HPMS Rural Minor Collector (M6 Arterial/Collector)
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
AVERAGE SPEED    : 33.9 ARTERIAL
VMT FRACTIONS    :
0.4532 0.0689 0.2292 0.0706 0.0325 0.0399 0.0040 0.0031
0.0023 0.0088 0.0104 0.0114 0.0407 0.0026 0.0013 0.0211
*************** Scenario Section *********************
SCENARIO RECORD  : Scenario 30: HPMS Rural Local (M6 Arterial/Collector)
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
AVERAGE SPEED    : 29.2 ARTERIAL
VMT FRACTIONS    :
0.4789 0.0728 0.2421 0.0746 0.0343 0.0294 0.0029 0.0023
0.0017 0.0065 0.0077 0.0084 0.0300 0.0026 0.0013 0.0045
*************** Scenario Section *********************
SCENARIO RECORD  : Scenario 31: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
CALENDAR YEAR    : 2015
EVALUATION MONTH : 7
AVERAGE SPEED    : 62.7 FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS    :
0.4155 0.0631 0.2101 0.0647 0.0298 0.0688 0.0068 0.0054
0.0040 0.0151 0.0180 0.0196 0.0702 0.0043 0.0021 0.0025
*************** Scenario Section *********************
******************** Scenario Section ********************
SCENARIO RECORD : Scenario 32: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ram
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
AVERAGE SPEED : XX.X FREEWAY 92.0 0.0 0.0 8.0
VMT FRACTIONS :
0.4554 0.0692 0.2303 0.0710 0.0326 0.0446 0.0044 0.0035
0.0026 0.0098 0.0117 0.0127 0.0456 0.0022 0.0011 0.0033
******************** Scenario Section ********************
SCENARIO RECORD : Scenario 33: HPMS Urban OPA (M6 Arterial/Collector)
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
AVERAGE SPEED : 40.4 ARTERIAL
VMT FRACTIONS :
0.4868 0.0740 0.2462 0.0759 0.0251 0.0025 0.0020
0.0014 0.0055 0.0066 0.0072 0.0015 0.0007 0.0040
******************** Scenario Section ********************
SCENARIO RECORD : Scenario 34: HPMS Urban Minor Arterial (M6 Arterial/Collector)
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
AVERAGE SPEED : 37.4 ARTERIAL
VMT FRACTIONS :
0.4944 0.0751 0.2499 0.0770 0.0354 0.0203 0.0020
0.0012 0.0045 0.0053 0.0058 0.0072 0.0018 0.0008
0.0012 0.0033 0.0040 0.0043 0.0155 0.0010 0.0005
0.0009 0.0033 0.0040 0.0043 0.0155 0.0010 0.0005
0.0056
******************** Scenario Section ********************
SCENARIO RECORD : Scenario 35: HPMS Urban Collector (M6 Arterial/Collector)
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
AVERAGE SPEED : 33.8 ARTERIAL
VMT FRACTIONS :
0.5024 0.0763 0.2540 0.0783 0.0360 0.0152 0.0015
0.0012 0.0045 0.0053 0.0058 0.0207 0.0018 0.0008
0.0009 0.0033 0.0040 0.0043 0.0155 0.0010 0.0005
0.0056
******************** Scenario Section ********************
SCENARIO RECORD : Scenario 36: HPMS Urban Local (M6 Local Road) - 12.9
CALENDAR YEAR : 2015
EVALUATION MONTH : 7
VMT BY FACILITY : fvmtlocl.def
VMT FRACTIONS :
0.5099 0.0775 0.2579 0.0795 0.0366 0.0106 0.0010
0.0008 0.0023 0.0028 0.0030 0.0108 0.0028 0.0013
0.0026
END OF RUN :
User supplied alternate AC input: Cloud Cover Fraction set to 0.33.

User supplied alternate AC input: Sunrise at 6 AM, Sunset at 8 PM.

User has disabled the calculation of REFUELING emissions.

Reading Registration Distributions from the following external data file: 36-REG.D

1.00 MYR sum not = 1. (will normalize)

1.00 MYR sum not = 1. (will normalize)

1.00 MYR sum not = 1. (will normalize)

1.00 MYR sum not = 1. (will normalize)

Scenario 1: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)

File 1, Run 1, Scenario 1.

66.1 speed reduced to 65 mph maximum

The combined freeway and ramp average speed entered cannot be greater than 63.3 miles per hour. The average speed will be reset to this value.

The user supplied freeway average speed of 63.3 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

User supplied VMT mix.

there are no sales for vehicle class HDGV8b

Calendar Year: 1996
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:  LDGV  LDGT12  LDGT34  LDGT  HDGV  LDDV
LDDT      HDDV  MC  All Veh
GVWR:  <6000  >6000  (All)

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VMT Distribution:  0.3498  0.2306  0.0792  0.1027  0.0027
0.0023  0.2280  0.0047  1.0000

Composite Emission Factors (g/mi):
- Composite VOC:  2.29  2.39  2.81  2.49  2.05  0.66
- Composite NOX:  1.89  1.79  1.96  1.83  7.06  3.09

Scenario 2: HPMS Rural OPA (M6 Non-Ramp)
File 1, Run 1, Scenario 2.

M581 Warning:
The user supplied freeway average speed of 51.4
will be used for all hours of the day. 100% of VMT
has been assigned to the freeway roadway type for
all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year:  1996
Month:  July
Altitude:  Low
Minimum Temperature:  63.6 (F)
Maximum Temperature:  85.3 (F)
Absolute Humidity:  89. grains/lb
Nominal Fuel RVP:  9.0 psi
Weathered RVP:  8.8 psi
Fuel Sulfur Content:  300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:  LDGV  LDGT12  LDGT34  LDGT  HDGV  LDDV
LDDT      HDDV  MC  All Veh
GVWR:  <6000  >6000  (All)

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VMT Distribution:  0.4299  0.2832  0.0974  0.0553  0.0034
0.0028  0.1228  0.0052  1.0000
Composite Emission Factors (g/mi):

Composite VOC:
- 2.42
- 2.54
- 3.00
- 2.66
- 2.14
- 0.67
- 1.38
- 0.74
- 1.94
- 2.280

Composite NOX:
- 1.83
- 1.71
- 1.89
- 1.76
- 6.50
- 2.00
- 2.54
- 23.94
- 1.28
- 4.777

Scenario 3: HPMS Rural Minor Arterial (M6 Arterial/Collector)
File 1, Run 1, Scenario 3.

M583 Warning:
The user supplied arterial average speed of 47.7 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1996
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:
- LDGV
- LDGT12
- LDGT34
- LDGT
- HDGV
- LDDV
- LDDT
- HDDV
- MC
- All Veh

GVWR:
- <6000
- >6000
- (All)

VMT Distribution:
- 0.4626
- 0.3048
- 0.1047
- 0.0363
- 0.0036
- 0.0030
- 0.0807
- 0.0043
- 1.0000

Composite Emission Factors (g/mi):

Composite VOC:
- 2.48
- 2.60
- 3.06
- 2.72
- 2.25
- 0.68
- 1.40
- 0.77
- 1.95
- 2.418

Composite NOX:
- 1.82
- 1.70
- 1.88
- 1.74
- 6.35
- 1.85
- 2.35
- 18.43
- 1.21
- 3.295
* Scenario 4: HPMS Rural Major Collector (M6 Arterial/Collector)
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # 

M583 Warning:
The user supplied arterial average speed of 38.5 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

**Calendar Year: 1996**
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tbody>
<tr>
<td>LDDT</td>
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<td>MC</td>
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<td>GVWR:</td>
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</tr>
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</table>

VMT Distribution: 0.4783 0.3151 0.1082 0.0269 0.0037 0.0032 0.0596 0.0049 1.0000

---

**Composite Emission Factors (g/mi):**

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<tr>
<th>Composite VOC</th>
<th>2.63</th>
<th>2.75</th>
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<td>1.51</td>
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<table>
<thead>
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<th>Composite NOX</th>
<th>1.80</th>
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<td>2.09</td>
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</tr>
</tbody>
</table>

---

* Scenario 5: HPMS Rural Minor Collector (M6 Arterial/Collector)
* File 1, Run 1, Scenario 5.
* # # # # # # # # # # # # # # # # # # # # 

M583 Warning:
The user supplied arterial average speed of 33.9 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1996
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>LDDT</th>
<th>HDDV</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
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<th>HDGV</th>
<th>LDDV</th>
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</thead>
<tbody>
<tr>
<td>GVWR:</td>
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<td>&gt;6000</td>
<td>(All)</td>
<td>(All)</td>
<td>(All)</td>
<td>(All)</td>
<td>(All)</td>
<td>(All)</td>
</tr>
<tr>
<td>VMT Distribution:</td>
<td>0.4497</td>
<td>0.2964</td>
<td>0.1018</td>
<td>0.0387</td>
<td>0.0035</td>
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<td>0.0030</td>
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Composite Emission Factors (g/mi):

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<th>2.661</th>
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<td>2.97</td>
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<tr>
<td>Composite NOX</td>
<td>1.81</td>
<td>1.66</td>
<td>1.84</td>
<td>1.70</td>
</tr>
</tbody>
</table>

* Scenario 6: HPMS Rural Local (M6 Arterial/Collector)
* File 1, Run 1, Scenario 6.

M583 Warning:
The user supplied arterial average speed of 29.3
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1996
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm
### Exhaust I/M Program: No
### Evap I/M Program: No
### ATP Program: No
### Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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</thead>
<tbody>
<tr>
<td>LDDT</td>
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<tr>
<td>GVWR:</td>
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<td>------</td>
<td>------</td>
<td>------</td>
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<tr>
<td>&lt;6000</td>
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<tr>
<td>&gt;6000</td>
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<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>(All)</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
</tbody>
</table>

| VMT Distribution | 0.4752 | 0.3131 | 0.1075 | 0.0288 | 0.0037 | 0.0031 | 0.0640 | 0.0045 | 1.0000 |

---

### Composite Emission Factors (g/mi):

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<tr>
<th></th>
<th>LDGV</th>
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<th>HDGV</th>
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<tr>
<td>Composite VOC</td>
<td>2.89</td>
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<td>Composite NOX</td>
<td>1.69</td>
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<td>2.24</td>
<td>2.882</td>
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<td>1.07</td>
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</tbody>
</table>

---

* Scenario 7: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
* File 1, Run 1, Scenario 7.

**M515 Warning:**
The combined freeway and ramp average speed entered cannot be greater than 60.7 miles per hour. The average speed will be reset to this value.

**M582 Warning:**
The user supplied freeway average speed of 60.7 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

**M615 Comment:**
User supplied VMT mix.

**M 48 Warning:**
there are no sales for vehicle class HDGV8b

**Calendar Year:** 1996
**Month:** July
**Altitude:** Low
**Minimum Temperature:** 63.6 (F)
**Maximum Temperature:** 85.3 (F)
**Absolute Humidity:** 89. grains/lb
**Nominal Fuel RVP:** 9.0 psi
**Weathered RVP:** 8.8 psi
**Fuel Sulfur Content:** 300. ppm

**Exhaust I/M Program:** No
**Evap I/M Program:** No
**ATP Program:** No
**Reformulated Gas:** No
<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tbody>
<tr>
<td>LDDT</td>
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<td>MC</td>
<td>All Veh</td>
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<td>GVWR:</td>
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<tr>
<td>VMT Distribution:</td>
<td>0.4123</td>
<td>0.2717</td>
<td>0.0933</td>
<td>0.0666</td>
<td>0.0032</td>
<td>0.0027</td>
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</table>

**Composite Emission Factors (g/mi):**

- **Composite VOC:**
  - 2.32
  - 2.42
  - 2.85
  - 2.53
  - 2.11
  - 0.66
  - 1.37
  - 0.73
  - 2.50
  - 2.141

- **Composite NOX:**
  - 1.90
  - 1.79
  - 1.97
  - 1.84
  - 7.00
  - 3.01
  - 3.80
  - 31.96
  - 1.60
  - 6.665

*[# # # # # # # # # # # # # # # # # # # # # # # # #]*

**Scenario 8:** HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)

* File 1, Run 1, Scenario 8.

**M 52 Warning:**
0.000 speed increased to 2.5 mph minimum

**M514 Warning:**
The combined freeway and ramp average speed entered cannot be less than 2.7 miles per hour. The average speed will be reset to this value.

**M582 Warning:**
The user supplied freeway average speed of 2.7 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

**M615 Comment:**
User supplied VMT mix.

**M 48 Warning:**
there are no sales for vehicle class HDGV8b

Calendar Year: 1996
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tbody>
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<td>All Veh</td>
<td></td>
<td></td>
<td></td>
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<tr>
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</tbody>
</table>
### Scenario 9: HPMS Urban OPA (M6 Arterial/Collector)

**File 1, Run 1, Scenario 9.**

#### M583 Warning:

The user supplied arterial average speed of 41.4 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

#### M615 Comment:

User supplied VMT mix.

#### M 48 Warning:

there are no sales for vehicle class HDGV8b

**Calendar Year:** 1996  
**Month:** July  
**Altitude:** Low  
**Minimum Temperature:** 63.6 (F)  
**Maximum Temperature:** 85.3 (F)  
**Absolute Humidity:** 89. grains/lb  
**Nominal Fuel RVP:** 9.0 psi  
**Weathered RVP:** 8.8 psi  
**Fuel Sulfur Content:** 300. ppm  
**Exhaust I/M Program:** No  
**Evap I/M Program:** No  
**ATP Program:** No  
**Reformulated Gas:** No

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
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<td>&gt;6000</td>
<td>(All)</td>
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</table>

#### VMT Distribution:

- 0.4830
- 0.3184
- 0.1094
- 0.0242
- 0.0038
- 0.0032
- 0.0540
- 0.0040
- 1.0000

#### Composite Emission Factors (g/mi):

**Composite VOC:**
- 2.58
- 2.70
- 3.17
- 2.82
- 2.46
- 0.72

**Composite NOX:**
- 1.81
- 1.67
- 1.85
- 1.72
- 6.05
- 1.69
Scenario 10: HPMS Urban Minor Arterial (M6 Arterial/Collector)
File 1, Run 1, Scenario 10.

M583 Warning:
The user supplied arterial average speed of 38.0
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1996
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
GVWR: <6000 >6000 (All)
       ------ ------ ------ ------ ------ ------
VMT Distribution: 0.4905 0.3232 0.1110 0.0199 0.0038 0.0032
                  0.0441 0.0042 1.0000

Composite Emission Factors (g/mi):

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<tr>
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<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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Scenario 11: HPMS Urban Collector (M6 Arterial/Collector)
File 1, Run 1, Scenario 11.

M583 Warning:
The user supplied arterial average speed of 33.9
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

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<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
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<td>HDDV</td>
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<td>------</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MC</td>
<td>All Veh</td>
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</tr>
<tr>
<td>GVWR:</td>
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<td>&gt;6000</td>
<td>(All)</td>
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<td>VMT Distribution:</td>
<td>0.4985</td>
<td>0.3284</td>
<td>0.1129</td>
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Composite Emission Factors (g/mi):

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<td>2.12</td>
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<td>Composite NOX:</td>
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</table>

* # # # # # # # # # # # # # # # # # # # # # 
* Scenario 12: HPMS Urban Local (M6 Local Road)
* File 1, Run 1, Scenario 12.
* # # # # # # # # # # # # # # # # # # # # 

* Reading Hourly Roadway VMT distribution from the following external*
* data file: FVMTLOCL.DEF

Reading User Supplied ROADWAY VMT Factors

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

Calendar Year: 1996
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:  
<table>
<thead>
<tr>
<th>LDDT</th>
<th>HDDV</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>All Veh</td>
<td>&lt;6000</td>
<td>&gt;6000</td>
<td>(All)</td>
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GVWR:  
<table>
<thead>
<tr>
<th>&lt;6000</th>
<th>&gt;6000</th>
<th>(All)</th>
</tr>
</thead>
</table>

VMT Distribution: 0.5059 0.3335 0.1147 0.0111 0.0040 0.0033 0.0249 0.0026 1.0000

Composite Emission Factors (g/mi):
- Composite VOC: 4.16 4.36 4.94 4.51 8.39 1.29 2.42 2.10 3.16 4.293
- Composite NOX: 1.82 1.61 1.81 1.66 4.94 2.17 2.75 18.35 0.90 2.195

M617 Comment:
User supplied alternate AC input: Cloud Cover Fraction set to 0.33.

M618 Comment:
User supplied alternate AC input: Sunrise at 6 AM, Sunset at 8 PM.

M603 Comment:
User has disabled the calculation of REFUELING emissions.

* Reading Registration Distributions from the following external data file: 36-REG.D

* MOBILE6.2.03 (24-Sep-2003)  *
* Input file: H:\STATE\1999JACK\FILES\JACK99.IN (file 1, run 1).  *
****************************************************************************
M617 Comment:
User supplied alternate AC input: Cloud Cover Fraction set to 0.33.

M618 Comment:
User supplied alternate AC input: Sunrise at 6 AM, Sunset at 8 PM.

M603 Comment:
User has disabled the calculation of REFUELING emissions.

* M 49 Warning: 1.00 MYR sum not = 1. (will normalize)

* M 49 Warning: 1.00 MYR sum not = 1. (will normalize)

* M 49 Warning: 1.00 MYR sum not = 1. (will normalize)

* M 49 Warning: 1.00 MYR sum not = 1. (will normalize)

* Scen 1: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
* File 1, Run 1, Scenario 1.
* M 96 Warning: 66.0 speed reduced to 65 mph maximum
M515 Warning:
The combined freeway and ramp average speed entered cannot be greater than 63.3 miles per hour. The average speed will be reset to this value.

M582 Warning:
The user supplied freeway average speed of 63.3 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tbody>
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<td>-----</td>
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</tr>
<tr>
<td>MC</td>
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<td>------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>All Veh</td>
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<td>------</td>
<td>------</td>
<td>-----</td>
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</tr>
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</table>

VMT Distribution: 0.3509 0.2312 0.0791 0.1008 0.0016 0.0017 0.2299 0.0047 1.0000

Composite Emission Factors (g/mi):

Composite VOC:
1.86 1.90 2.29 2.00 1.59 0.70
1.16 0.54 2.49 1.574

Composite NOX:
1.53 1.58 1.77 1.63 6.47 3.09
3.33 31.47 1.62 8.948

M581 Warning:
The user supplied freeway average speed of 51.1 will be used for all hours of the day. 100% of VMT has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
</tr>
</thead>
<tbody>
<tr>
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<td>&gt;6000</td>
<td>(All)</td>
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<td>GVWR:</td>
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</tr>
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<td>VMT Distribution: 0.4314 0.2840 0.0973 0.0543 0.0019 0.0021 0.1238 0.0052 1.0000</td>
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Composite Emission Factors (g/mi):

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<th>2.43</th>
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<tbody>
<tr>
<td>NOX</td>
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<td>1.51</td>
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<td>1.56</td>
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<td>1.99</td>
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</tbody>
</table>

---

* Scenario 3: HPMS Rural Minor Arterial (M6 Arterial/Collector)
* File 1, Run 1, Scenario 3.

M583 Warning:
The user supplied arterial average speed of 47.7 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<td>HDDV</td>
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<td></td>
</tr>
<tr>
<td>MC</td>
<td>All Ve</td>
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<td>(All)</td>
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</tr>
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</tr>
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</table>

Composite Emission Factors (g/mi):

- Composite VOC: 2.01 2.05 2.48 2.16 1.74 0.73 1.20 0.59 1.93 1.939
- Composite NOX: 1.47 1.49 1.69 1.54 5.82 1.85 2.01 17.12 1.21 2.930

* # # # # # # # # # # # # # # # # # # # # # # # # 
* Scenario 4: HPMS Rural Major Collector (M6 Arterial/Collector) 
* File 1, Run 1, Scenario 4. 
* # # # # # # # # # # # # # # # # # # # # # # # # # 

M583 Warning:
The user supplied arterial average speed of 38.4
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
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<th>LDGT</th>
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<tr>
<td>MC</td>
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<td>&lt;6000</td>
<td>&gt;6000</td>
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VMT Distribution: 0.4800 0.3160 0.1082 0.0263 0.0021 0.0024 0.0602 0.0049 1.0000

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Scenario 5: HPMS Rural Minor Collector (M6 Arterial/Collector)

File 1, Run 1, Scenario 5.

M583 Warning:
The user supplied arterial average speed of 33.9 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV

<p>| | | | | | | |</p>
<table>
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VMT Distribution: 0.4512 0.2972 0.1017 0.0379 0.0020 0.0022 0.0866 0.0211 1.0000

Composite Emission Factors (g/mi):

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</table>
Scenario 6: HPMS Rural Local (M6 Arterial/Collector)
File 1, Run 1, Scenario 6.

M583 Warning:
The user supplied arterial average speed of 29.3 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
LDDT HDDV MC All Veh
GVWR: ------ ------ <6000 >6000 (All) ------ ------ ------ ------

VMT Distribution: 0.4768 0.3140 0.1075 0.0282 0.0021 0.0023 0.0646 0.0045 1.0000

Composite Emission Factors (g/mi):

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<thead>
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Scenario 7: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
File 1, Run 1, Scenario 7.

M515 Warning:
The combined freeway and ramp average speed entered cannot be greater than 60.7 miles per hour. The average speed will be reset to this value.
M582 Warning:
The user supplied freeway average speed of 60.7
will be used for all hours of the day. 100% of VMT
has been assigned to a fixed combination of freeways
and freeway ramps for all hours of the day and all
vehicle types.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

    Calendar Year: 1999
    Month: July
    Altitude: Low
    Minimum Temperature: 63.6 (F)
    Maximum Temperature: 85.3 (F)
    Absolute Humidity: 89. grains/lb
    Nominal Fuel RVP: 9.0 psi
    Weathered RVP: 8.8 psi
    Fuel Sulfur Content: 300. ppm

    Exhaust I/M Program: No
    Evap I/M Program: No
    ATP Program: No
    Reformulated Gas: No

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<th>Vehicle Type</th>
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<th>LDGT34</th>
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<th>LDDV</th>
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Composite Emission Factors (g/mi):
    Composite VOC :  1.89  1.93  2.32  2.03  1.63  0.71
    1.17  0.56  2.47  1.724
    Composite NOX :  1.54  1.59  1.78  1.64  6.42  3.01
    3.25  30.42  1.60  6.206

----------------------------------------

* Scenario 8: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)
* File 1, Run 1, Scenario 8.

M 52 Warning:
speed increased to 2.5 mph minimum
M514 Warning:
The combined freeway and ramp average speed entered
cannot be less than 2.7 miles per hour.
The average speed will be reset to this value.
M582 Warning:
The user supplied freeway average speed of 2.7
will be used for all hours of the day. 100% of VMT
has been assigned to a fixed combination of freeways
and freeway ramps for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

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<th>LDGT34</th>
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<th>LDDV</th>
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Composite Emission Factors (g/mi):

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* Scenario 9: HPMS Urban OPA (M6 Arterial/Collector)
* File 1, Run 1, Scenario 9.

M583 Warning:
The user supplied arterial average speed of 41.1
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:   | LDGV | LDGT12 | LDGT34 | LDGT | HDGV | LDDV
LDDT | HDDV | MC | All Veh | <6000 | >6000 | (All) | VMT Distribution: |
--- | --- | --- | --- | --- | --- | --- | |
----- | ----- | ------ | ------ | ------ | ------ | ------ | 0.4846 | 0.3193 | 0.1093 | 0.0238 | 0.0022 | 0.0024 | 0.0544 | 0.0040 | 1.0000

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**Composite Emission Factors (g/mi):**

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* Scenario 10: HPMS Urban Minor Arterial (M6 Arterial/Collector)
* File 1, Run 1, Scenario 10.

M583 Warning:
The user supplied arterial average speed of 37.9 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No
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<th>Vehicle Type:</th>
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<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tbody>
<tr>
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<td>Composite NOX:</td>
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* Scenario 11: HPMS Urban Collector (M6 Arterial/Collector)
* File 1, Run 1, Scenario 11.

M583 Warning:
The user supplied arterial average speed of 33.9 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

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<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
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<th>LDGT34</th>
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Composite Emission Factors (g/mi):
Scenario 12: HPMS Urban Local (M6 Local Road)
File 1, Run 1, Scenario 12.

Reading Hourly Roadway VMT distribution from the following external data file: FVMTLOCL.DEF

Reading User Supplied ROADWAY VMT Factors

User supplied VMT mix.

there are no sales for vehicle class HDGV8b

Calendar Year: 1999
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 300. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
GVWR: <6000 >6000 (All)

VMT Distribution: 0.5076 0.3344 0.1146 0.0107 0.0023 0.0025 0.0253 0.0026 1.0000

Composite Emission Factors (g/mi):

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********************
MOBILE6.2.03 (24-Sep-2003)
Input file: JACKSON.IN (file 7, run 1).
********************
User supplied alternate AC input: Cloud Cover Fraction set to 0.33.
M618 Comment:
User supplied alternate AC input: Sunrise at 6 AM, Sunset at 8 PM.
M603 Comment:
User has disabled the calculation of REFUELING emissions.

* Reading Registration Distributions from the following external data file: 36-REG.D
M 49 Warning:
  1.00  MYR sum not = 1. (will normalize)
M 49 Warning:
  1.00  MYR sum not = 1. (will normalize)
M 49 Warning:
  1.00  MYR sum not = 1. (will normalize)
M 49 Warning:
  1.00  MYR sum not = 1. (will normalize)

* Scenario 1: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
* File 7, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # #
M 96 Warning:
  66.1  speed reduced to 65 mph maximum
M515 Warning:
The combined freeway and ramp average speed entered cannot be greater than 63.3 miles per hour. The average speed will be reset to this value.
M582 Warning:
The user supplied freeway average speed of 63.3 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.
M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b

  Calendar Year:  2002
  Month:  July
  Altitude:  Low
  Minimum Temperature:  63.6 (F)
  Maximum Temperature:  85.3 (F)
  Absolute Humidity:  89. grains/lb
  Nominal Fuel RVP:  9.0 psi
  Weathered RVP:  8.8 psi
  Fuel Sulfur Content:  279. ppm

  Exhaust I/M Program:  No
  Evap I/M Program:  No
  ATP Program:  No
  Reformulated Gas:  No
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<th>Vehicle Type:</th>
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Calendar Year: 2002
Month: July
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 279. ppm
Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

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<td>Composite NOX</td>
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<td>Absolute Humidity:</td>
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<td>Weathered RVP:</td>
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<td>Fuel Sulfur Content:</td>
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<td>LDGT12</td>
<td>LDGT34</td>
<td>LDGT</td>
<td>HDGV</td>
<td>LDDV</td>
<td>LDDT</td>
<td>HDDV</td>
<td>MC</td>
<td>All Veh</td>
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<tr>
<td>GVWR:</td>
<td>&lt;6000</td>
<td>&gt;6000</td>
<td>(All)</td>
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<tr>
<td>VMT Distribution:</td>
<td>0.4652</td>
<td>0.3062</td>
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<td>0.0351</td>
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<td>0.0018</td>
<td>0.0819</td>
<td>0.0043</td>
<td>0.0010</td>
<td>1.0000</td>
</tr>
</tbody>
</table>

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Composite Emission Factors (g/mi):

| Composite VOC | 1.663 | 1.655 | 2.181 | 1.789 | 1.372 | 0.698 |
|              | 0.797 | 0.486 | 1.93  | 1.607 |       |       |

| Composite NOX | 1.292 | 1.434 | 1.725 | 1.508 | 5.390 | 1.681 |
|              | 1.601 | 14.117 | 1.21  | 2.576 |       |       |
M583 Warning:
The user supplied arterial average speed of 38.4 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tr>
<td>GVWR</td>
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<td>&gt;6000</td>
<td>(All)</td>
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<td>0.3166</td>
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<td>0.0259</td>
<td>0.0011</td>
<td>0.0000</td>
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</table>

M583 Warning:
The user supplied arterial average speed of 33.9 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 279. ppm
Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
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<tr>
<td>HDDV</td>
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</tr>
<tr>
<td>GVWR:</td>
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<td>------</td>
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</tr>
<tr>
<td>&lt;6000</td>
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<td>------</td>
<td>------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>&gt;6000</td>
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<tr>
<td>(All)</td>
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</tbody>
</table>

VMT Distribution: 0.4522 0.2978 0.1017 0.0374 0.0010 0.0017 0.0871 0.0211 1.0000

Composite Emission Factors (g/mi):
- Composite VOC: 1.823 1.804 2.356 1.945 1.731 0.799
- Composite NOX: 1.263 1.388 1.681 1.462 4.860 1.470

* M583 Warning: The user supplied arterial average speed of 29.3 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

* M615 Comment: User supplied VMT mix.

* M48 Warning: there are no sales for vehicle class HDGV8b
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV

<table>
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<tr>
<th>GVWR:</th>
<th>&lt;6000</th>
<th>&gt;6000</th>
<th>(All)</th>
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<tr>
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</table>

VMT Distribution: 0.4778 0.3146 0.1074 0.0277 0.0011 0.0018 0.0651 0.0045 1.0000

Composite Emission Factors (g/mi):

Composite VOC: 1.923 1.900 2.474 2.046 1.994 0.857 0.984 0.717 2.21 1.897


Scenario 7: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
File 7, Run 1, Scenario 7.

M515 Warning:
The combined freeway and ramp average speed entered cannot be greater than 60.7 miles per hour. The average speed will be reset to this value.

M582 Warning:
The user supplied freeway average speed of 60.7 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No
<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tbody>
<tr>
<td>LDDT</td>
<td>HDDV</td>
<td>MC</td>
<td>All Veh</td>
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</tr>
<tr>
<td>GVWR:</td>
<td>&lt;6000</td>
<td>&gt;6000</td>
<td>(All)</td>
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<td>VMT Distribution:</td>
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<td>0.0016</td>
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**Composite Emission Factors (g/mi):**

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<td>Composite VOC:</td>
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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Scenario 8: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)
* File 7, Run 1, Scenario 8.
* # # # # # # # # # # # # # # # # # # # # # # # # #

M 52 Warning:

0.000 speed increased to 2.5 mph minimum

M514 Warning:

The combined freeway and ramp average speed entered cannot be less than 2.7 miles per hour. The average speed will be reset to this value.

M582 Warning:

The user supplied freeway average speed of 2.7 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

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<th>Calendar Year:</th>
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<td>Month:</td>
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<td>Altitude:</td>
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<td>Minimum Temp.:</td>
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<tr>
<td>Maximum Temp.:</td>
<td>85.3 (F)</td>
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<tr>
<td>Absolute Hum.:</td>
<td>89. grains/lb</td>
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<tr>
<td>Nominal RVP:</td>
<td>9.0 psi</td>
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<tr>
<td>Weathered RVP:</td>
<td>8.8 psi</td>
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<tr>
<td>Fuel Sulfur:</td>
<td>279. ppm</td>
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Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

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<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tr>
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<td>HDDV</td>
<td>MC</td>
<td>All Veh</td>
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<td>&gt;6000</td>
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VMT Distribution: 0.4544 0.2992 0.1022 0.0416 0.0010 0.0017 0.0966 0.0033 1.0000

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VMT Distribution: 0.4857 0.3199 0.1093 0.0235 0.0011 0.0018 0.0547 0.0040 1.0000

---

Composite Emission Factors (g/mi):

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* # # # # # # # # # # # # # # # # # # # # # # # # #
* Scenario 9: HPMS Urban OPA (M6 Arterial/Collector)
* File 7, Run 1, Scenario 9.
* # # # # # # # # # # # # # # # # # # # # # # # # #

M583 Warning:
The user supplied arterial average speed of 41.3 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
LDDT HDDV MC All Veh GVWR: <6000 >6000 (All)------ ------ ------ ------ ------ ------ ------

VMT Distribution: 0.4857 0.3199 0.1093 0.0235 0.0011 0.0018 0.0547 0.0040 1.0000

---

Composite Emission Factors (g/mi):

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<td>Composite VOC</td>
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<tr>
<td>0.839</td>
<td>0.537</td>
<td>1.97</td>
<td>1.709</td>
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Scenario 10: HPMS Urban Minor Arterial (M6 Arterial/Collector)
File 7, Run 1, Scenario 10.

M583 Warning:
The user supplied arterial average speed of 37.8
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
GVWR: <6000 >6000 (All)
VMT Distribution: 0.4933 0.3247 0.1108 0.0192 0.0011 0.0019 0.0448 0.0042 1.0000

Composite Emission Factors (g/mi):
Composite VOC: 1.767 1.752 2.294 1.890 1.623 0.761
0.871 0.757 2.02 1.763
Composite NOX: 1.263 1.393 1.685 1.467 5.033 1.489
1.417 12.800 1.13 1.936

Scenario 11: HPMS Urban Collector (M6 Arterial/Collector)
File 7, Run 1, Scenario 11.

M583 Warning:
The user supplied arterial average speed of 33.8
will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:      LDGV    LDGT12    LDGT34    LDGT    HDGV    LDDV
  LDDT    HDDV    MC    All Veh
  GVWR:  <6000    >6000    (All)    ------    ------    ------
VMT Distribution:    0.5013    0.3300    0.1127    0.0142    0.0011
                     0.0019    0.0332    0.0056    1.0000

Composite Emission Factors (g/mi):
  Composite VOC :      1.825     1.806     2.358     1.946     1.737    0.800
  0.917     0.633     2.10     1.837
  Composite NOX :      1.263     1.388     1.681     1.463     4.858    1.470
  1.399    12.540     1.11     1.776

Reading Hourly Roadway VMT distribution from the following external data file: FVMTLOCL.DEF

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2002
Month: July
Altitude: Low
Minimum Temperature:  63.6 (F)
Maximum Temperature:  85.3 (F)
Absolute Humidity:   89. grains/lb
Nominal Fuel RVP:   9.0 psi
Weathered RVP:   8.8 psi
Fuel Sulfur Content:  279. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:     LDGV    LDGT12    LDGT34    LDGT    HDGV    LDDV
                 LDDT    HDDV    MC     All Veh
GVWR:            <6000     >6000     (All)    ------    ------    ------
VMT Distribution: 0.5088    0.3351    0.1145    0.0104    0.0011
                   0.0019    0.0256    0.0026    1.0000

Composite Emission Factors (g/mi):
Composite VOC :      2.790     2.774     3.465     2.950     4.804    1.263
                   1.462     1.324     3.13     2.842
Composite NOX :      1.258     1.336     1.636     1.413     4.192    1.966
                   1.873    14.421      0.90     1.696

User supplied alternate AC input: Cloud Cover Fraction set to 0.33.
User supplied alternate AC input: Sunrise at 6 AM, Sunset at 8 PM.
User has disabled the calculation of REFUELING emissions.
M 96 Warning:

65.8 speed reduced to 65 mph maximum

M515 Warning:

The combined freeway and ramp average speed entered cannot be greater than 63.3 miles per hour.
The average speed will be reset to this value.

M582 Warning:

The user supplied freeway average speed of 63.3 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low

Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDDT</td>
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<td>(All)</td>
<td></td>
<td></td>
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<td>HDDV</td>
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</tr>
<tr>
<td>MC</td>
<td>All Veh</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>GVWR</td>
<td>0.3522</td>
<td>0.2319</td>
<td>0.0790</td>
<td>0.0974</td>
<td>0.0003</td>
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| VMT Distribution: 0.3522 0.2319 0.0790 0.0974 0.0003

Composite Emission Factors (g/mi):

<table>
<thead>
<tr>
<th>Composite VOC</th>
<th>0.825</th>
<th>0.814</th>
<th>0.980</th>
<th>0.856</th>
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<tr>
<td>0.333</td>
<td>0.253</td>
<td>2.47</td>
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<tr>
<td>Composite NOX</td>
<td>0.698</td>
<td>0.846</td>
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<td>1.182</td>
<td>11.282</td>
<td>1.62</td>
<td>3.432</td>
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</tr>
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* # # # # # # # # # # # # # # # # # # # # # # # 
* Scenario 14: HPMS Rural OPA (M6 Non-Ramp)
* File 7, Run 2, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # 
M581 Warning:

The user supplied freeway average speed of 50.5 will be used for all hours of the day. 100% of VMT
has been assigned to the freeway roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV LDDT HDDV MC All Veh
GVWR: <6000 >6000 (All) ------ ------ ------ ------- ------ ------
VMT Distribution: 0.4329 0.2848 0.0972 0.0524 0.0004 0.0014 0.1257 0.0052 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 0.877 0.859 1.040 0.905 0.634 0.190 0.343 0.266 1.89 0.803
Composite NOX : 0.664 0.803 1.045 0.864 2.460 0.544 0.746 7.401 1.25 1.685

Scenario 15: HPMS Rural Minor Arterial (M6 Arterial/Collector)
File 7, Run 2, Scenario 3.

M583 Warning:
The user supplied arterial average speed of 47.7 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV

<table>
<thead>
<tr>
<th>LDDT</th>
<th>HDDV</th>
<th>MC</th>
<th>All Veh</th>
<th>&lt;6000</th>
<th>&gt;6000</th>
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<tr>
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<td></td>
</tr>
</tbody>
</table>

VMT Distribution: 0.4658 0.3065 0.1045 0.0343 0.0004 0.0015 0.0827 0.0043 1.0000

Composite Emission Factors (g/mi):

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<tr>
<th>VOC</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<td>0.892</td>
<td>0.871</td>
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<table>
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<th>LDGV</th>
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<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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</thead>
<tbody>
<tr>
<td>0.350</td>
<td>0.276</td>
<td>1.90</td>
<td>0.846</td>
<td></td>
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</tr>
</tbody>
</table>

Composite NOX: 0.659 0.795 1.037 0.857 2.419 0.515

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No
Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV
LDDT      HDDV    MC      All Veh
GVWR:               <6000     >6000     (All)
------    ------    ------    ------    ------    ------
------    ------    ------    ------    ------

VMT Distribution:    0.4817    0.3169    0.1080    0.0252    0.0004
0.0016    0.0613    0.0049    1.0000

Composite Emission Factors (g/mi):
Composite VOC :      0.946     0.912     1.106     0.962     0.734    0.212
0.385     0.324     1.98     0.913

Composite NOX :      0.642     0.771     1.011     0.832     2.267    0.457
0.626     5.718     1.14     1.077

* Scenario 17: HPMS Rural Minor Collector (M6 Arterial/Collector)
* File 7, Run 2, Scenario 5.
* M583 Warning:
  The user supplied arterial average speed of 33.9
  will be used for all hours of the day.  100% of VMT
  has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.
M615 Comment:
  User supplied VMT mix.
M 48 Warning:
  there are no sales for vehicle class HDGV8b

Calendar Year:  2010
  Month:  July
  Altitude:  Low
Minimum Temperature:  63.6 (F)
Maximum Temperature:  85.3 (F)
Absolute Humidity:  89. grains/lb
Nominal Fuel RVP:  9.0 psi
Weathered RVP:  8.8 psi
Fuel Sulfur Content:  30. ppm

Exhaust I/M Program:  No
Evap I/M Program:  No
ATP Program:  No
Reformulated Gas:  No

Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV
LDDT      HDDV    MC      All Veh
GVWR:               <6000     >6000     (All)
------    ------    ------    ------    ------    ------
------    ------    ------    ------    ------

VMT Distribution:    0.4528    0.2981    0.1016    0.0365    0.0004
0.0015    0.0880    0.0211    1.0000

Composite Emission Factors (g/mi):
Scenario 18: HPMS Rural Local (M6 Arterial/Collector)
File 7, Run 2, Scenario 6.

M583 Warning:
The user supplied arterial average speed of 29.2
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
GVWR: <6000 >6000 (All)

VMT Distribution: 0.4785 0.3149 0.1073 0.0270 0.0004 0.0016 0.0658 0.0045 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 0.978 0.938 1.138 0.989 0.784 0.225 0.410 0.358 2.07 0.943
Composite NOX : 0.641 0.767 1.008 0.828 2.181 0.450 0.616 5.596 1.11 1.218
M515 Warning:
The combined freeway and ramp average speed entered
cannot be greater than 60.7 miles per hour.
The average speed will be reset to this value.

M582 Warning:
The user supplied freeway average speed of 60.7
will be used for all hours of the day. 100% of VMT
has been assigned to a fixed combination of freeways
and freeway ramps for all hours of the day and all
vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
GVWR: <6000 >6000 (All)
----- ------ -----
VMT Distribution: 0.4151 0.2732 0.0931 0.0630 0.0004 0.0014 0.1513 0.0025 1.0000

------------------------------------------------------------------------------
----------------------------------------
Composite Emission Factors (g/mi):
Composite VOC : 0.836 0.823 0.992 0.866 0.607 0.187
0.337 0.258 2.45 0.748
Composite NOX : 0.700 0.848 1.099 0.912 2.668 0.838
1.152 11.003 1.60 2.464

* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
Scenario 20: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)
* File 7, Run 2, Scenario 8.

* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
M 52 Warning:
0.000 speed increased to 2.5 mph minimum

M514 Warning:
The combined freeway and ramp average speed entered
cannot be less than 2.7 miles per hour.
The average speed will be reset to this value.
M582 Warning:
The user supplied freeway average speed of 2.7
will be used for all hours of the day. 100% of VMT
has been assigned to a fixed combination of freeways
and freeway ramps for all hours of the day and all
vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
LDDT HDDV MC All Veh <6000 >6000 (All)

VMT Distribution: 0.4550 0.2995 0.1021 0.0408 0.0004
0.0015 0.0974 0.0033 1.0000

Composite Emission Factors (g/mi):
Composite VOC : 8.265 7.035 8.036 7.289 7.733 0.528
0.992 1.145 8.07 7.143
Composite NOX : 1.310 1.426 1.868 1.538 1.681 0.842
1.157 11.005 1.03 2.360

* File 7, Run 2, Scenario 9.

* Scenario 21: HPMS Urban OPA (M6 Arterial/Collector)

M583 Warning:
The user supplied arterial average speed of 40.7
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tr>
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<td>HDDV</td>
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<tr>
<td>MC</td>
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<tr>
<td>All Veh</td>
<td>&lt;6000</td>
<td>&gt;6000</td>
<td>(All)</td>
<td></td>
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</tbody>
</table>

VMT Distribution: 0.4864 0.3202 0.1092 0.0229 0.0004 0.0016 0.0553 0.0040 1.0000

Composite Emission Factors (g/mi):

- Composite VOC: 0.931 0.901 1.093 0.950 0.704 0.206 0.374 0.308 1.95 0.902
- Composite NOX: 0.645 0.776 1.017 0.837 2.294 0.465 0.637 5.768 1.15 1.051

* Scenario 22: HPMS Urban Minor Arterial (M6 Arterial/Collector)
* File 7, Run 2, Scenario 10.

M583 Warning:
The user supplied arterial average speed of 37.6 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm
Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
LDDT HDDV MC All Veh
GVWR: <6000 >6000 (All)

VMT Distribution: 0.4940 0.3250 0.1108 0.0186 0.0004 0.0016 0.0454 0.0042 1.0000

Composite Emission Factors (g/mi):
Composite VOC: 0.950 0.916 1.110 0.965 0.742 0.214 0.389 0.329 1.99 0.928
Composite NOX: 0.641 0.770 1.010 0.831 2.256 0.455 0.624 5.698 1.13 0.985

Scenario 23: HPMS Urban Collector (M6 Arterial/Collector)
File 7, Run 2, Scenario 11.

M583 Warning:
The user supplied arterial average speed of 33.8
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

Calendar Year: 2010
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
LDDT HDDV MC All Veh
GVWR: <6000 >6000 (All)
<table>
<thead>
<tr>
<th>VMT Distribution:</th>
<th>0.5020</th>
<th>0.3303</th>
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<td>0.0056</td>
<td>1.0000</td>
<td></td>
</tr>
</tbody>
</table>

---

**Composite Emission Factors (g/mi):**

- **Composite VOC:**
  - 0.979
  - 0.939
  - 1.139
  - 0.990
  - 0.786
  - 0.225
  - 0.411
  - 0.359
  - 2.07
  - 0.965

- **Composite NOX:**
  - 0.641
  - 0.767
  - 1.008
  - 0.829
  - 2.180
  - 0.450
  - 0.617
  - 5.598
  - 1.11
  - 0.914

---

* Scenario 24: HPMS Urban Local (M6 Local Road) - 12.9

* File 7, Run 2, Scenario 12.

* Reading Hourly Roadway VMT distribution from the following external data file: FVMTLOCL.DEF

Reading User Supplied ROADWAY VMT Factors

**M615 Comment:**

User supplied VMT mix.

**M 48 Warning:**

there are no sales for vehicle class HDGV8b

- **Calendar Year:** 2010
- **Month:** July
- **Altitude:** Low
- **Minimum Temperature:** 63.6 (F)
- **Maximum Temperature:** 85.3 (F)
- **Absolute Humidity:** 89. grains/lb
- **Nominal Fuel RVP:** 9.0 psi
- **Weathered RVP:** 8.8 psi
- **Fuel Sulfur Content:** 30. ppm

- **Exhaust I/M Program:** No
- **Evap I/M Program:** No
- **ATP Program:** No
- **Reformulated Gas:** No

**Vehicle Type:**

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>LDGV</th>
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<th>LDGT34</th>
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<th>HDGV</th>
<th>LDDV</th>
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<tr>
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**GVWR:**

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<td>0.0017</td>
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<td>0.0005</td>
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<td>1.0000</td>
</tr>
</tbody>
</table>

---

**Composite Emission Factors (g/mi):**

- **Composite VOC:**
  - 1.460
  - 1.386
  - 1.669
  - 1.458
  - 1.701
  - 0.370
  - 0.690
  - 0.758
  - 3.10
  - 1.446

- **Composite NOX:**
  - 0.650
  - 0.764
  - 1.004
  - 0.825
  - 1.891
  - 0.603
  - 0.828
  - 7.576
  - 0.90
  - 0.923

---
User supplied alternate AC input: Cloud Cover Fraction set to 0.33.

User supplied alternate AC input: Sunrise at 6 AM, Sunset at 8 PM.

User has disabled the calculation of REFUELING emissions.

* Reading Registration Distributions from the following external data file: 36-REG.D

1.00 MYR sum not = 1. (will normalize)

1.00 MYR sum not = 1. (will normalize)

1.00 MYR sum not = 1. (will normalize)

1.00 MYR sum not = 1. (will normalize)

* Scenario 25: HPMS Rural Interstate (M6 Freeway/Freeway Ramp)
* File 7, Run 3, Scenario 1.

65.7 speed reduced to 65 mph maximum

The combined freeway and ramp average speed entered cannot be greater than 63.3 miles per hour. The average speed will be reset to this value.

The user supplied freeway average speed of 63.3 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

User supplied VMT mix.

there are no sales for vehicle class HDGV8b

there are no sales for vehicle class LDDT12

Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm
Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<td>All Veh</td>
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<tr>
<td>VMT Distribution:</td>
<td>0.3522</td>
<td>0.2319</td>
<td>0.0790</td>
<td>0.0012</td>
<td>0.2337</td>
<td>0.0003</td>
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-------------------------------
Composite Emission Factors (g/mi):
Composite VOC: 0.527 0.550 0.743 0.599 0.400 0.105 0.207 0.194 2.47 0.468
Composite NOX: 0.464 0.564 0.732 0.607 1.310 0.380 0.565 5.380 1.62 1.745

------------------------------------------------------
* Scenario 26: HPMS Rural OPA (M6 Non-Ramp)
* File 7, Run 3, Scenario 2.
* M581 Warning:
The user supplied freeway average speed of 50.2
will be used for all hours of the day. 100% of VMT
has been assigned to the freeway roadway type for
all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

M 48 Warning:
there are no sales for vehicle class LDDT12

Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

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<th>LDGT</th>
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<td>MC</td>
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<tr>
<td>All Veh</td>
<td></td>
<td></td>
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</table>
VMT Distribution: 0.4329 0.2848 0.0972 0.0522 0.0004 0.0014 0.1259 0.0052 1.0000

-----------------------------

Composite Emission Factors (g/mi):

Composite VOC : 0.555 0.574 0.780 0.627 0.424 0.108 0.213 0.204 1.89 0.537
Composite NOX : 0.442 0.535 0.698 0.576 1.195 0.239 0.355 0.532 3.508 1.24

M583 Warning:
The user supplied arterial average speed of 47.7 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b
there are no sales for vehicle class LDDT12

Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
LDTG HDDV MC All Veh
GVWR: <6000 >6000 (All)

VMT Distribution: 0.4658 0.3065 0.1045 0.0341 0.0004 0.0015 0.0829 0.0043 1.0000

-----------------------------

Composite Emission Factors (g/mi):
Scenario 28: HPMS Rural Major Collector (M6 Arterial/Collector)
File 7, Run 3, Scenario 4.

M583 Warning:
The user supplied arterial average speed of 38.2 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b
there are no sales for vehicle class LDDT12

Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type: LDGV LDGT12 LDGT34 LDGT HDGV LDDV
GVWR: <6000 >6000 (All)

VMT Distribution: 0.4817 0.3169 0.1080 0.0251 0.0004
0.0016 0.0614 0.0049 1.0000

Composite Emission Factors (g/mi):
Composite VOC: 0.594 0.603 0.823 0.659 0.485 0.120
0.237 0.249 1.98 0.604
Composite NOX: 0.427 0.514 0.676 0.555 1.101 0.202
0.301 2.762 1.14 0.645

Scenario 29: HPMS Rural Minor Collector (M6 Arterial/Collector)
M583 Warning:
The user supplied arterial average speed of 33.9 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b

M 48 Warning:
there are no sales for vehicle class LDDT12

Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

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<th>Vehicle Type</th>
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<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<td>MC</td>
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<tr>
<td>All Veh</td>
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VMT Distribution: 0.4528 0.2981 0.1016 0.0364 0.0004
0.0015 0.0881 0.0211 1.0000

----------------------------------------
Composite Emission Factors (g/mi):
Composite VOC : 0.613 0.618 0.843 0.675 0.518 0.128 0.252 0.274 2.07 0.634
Composite NOX : 0.426 0.512 0.673 0.553 1.062 0.199 0.296 2.689 1.11 0.713

----------------------------------------
M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12

Calendar Year:  2015
Month:  July
Altitude:  Low
Minimum Temperature:  63.6 (F)
Maximum Temperature:  85.3 (F)
Absolute Humidity:   89. grains/lb
Nominal Fuel RVP:   9.0 psi
Weathered RVP:   8.8 psi
Fuel Sulfur Content:   30. ppm

Exhaust I/M Program:  No
Evap I/M Program:   No
ATP Program:    No
Reformulated Gas:  No

<table>
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<th>Vehicle Type:</th>
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<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tr>
<td>MC</td>
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<td>&gt;6000</td>
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<tr>
<td>All Veh</td>
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<td></td>
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</tbody>
</table>

VMT Distribution:  
0.4785  0.3149  0.1073  0.0268  0.0004  0.0016  0.0660  0.0045  1.0000

Composite Emission Factors (g/mi):

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<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<td>Composite VOC</td>
<td>0.643</td>
<td>0.644</td>
<td>0.879</td>
<td>0.703</td>
<td>0.569</td>
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<td>0.272</td>
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<td>2.18</td>
<td>0.651</td>
<td>0.437</td>
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<tr>
<td>Composite NOx</td>
<td>0.437</td>
<td>0.521</td>
<td>0.684</td>
<td>0.562</td>
<td>1.026</td>
<td>0.202</td>
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<tr>
<td></td>
<td>0.300</td>
<td>2.763</td>
<td>1.07</td>
<td>0.662</td>
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</table>

* # # # # # # # # # # # # # # # # # # # # # # # # #
* Scenario 31: HPMS Urban Interstate (M6 Freeway/Freeway Ramp)
* File 7, Run 3, Scenario 7.
* # # # # # # # # # # # # # # # # # # # # # # # # #

M515 Warning:
The combined freeway and ramp average speed entered cannot be greater than 60.7 miles per hour.
The average speed will be reset to this value.

M582 Warning:
The user supplied freeway average speed of 60.7 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

M615 Comment:
User supplied VMT mix.
M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDDT12
Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

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<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<tbody>
<tr>
<td>LDDT HDDV MC</td>
<td>All Veh</td>
<td>&lt;6000</td>
<td>&gt;6000</td>
<td>(All)</td>
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VMT Distribution: 0.4151 0.2732 0.0931 0.0627 0.0004

Composite Emission Factors (g/mi):

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<th>Composite VOC</th>
<th>0.533</th>
<th>0.555</th>
<th>0.750</th>
<th>0.605</th>
<th>0.406</th>
<th>0.106</th>
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<tbody>
<tr>
<td>Composite NOX</td>
<td>0.466</td>
<td>0.565</td>
<td>0.735</td>
<td>0.608</td>
<td>1.299</td>
<td>0.370</td>
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</table>

M 52 Warning:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class LDGT12

* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # *
* Scenario 32: HPMS Urban Freeway/Expressway (M6 Freeway/Freeway Ramp)*
* File 7, Run 3, Scenario 8. *
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # *

M 514 Warning:
speed increased to 2.5 mph minimum

M 582 Warning:
The user supplied freeway average speed of 2.7 will be used for all hours of the day. 100% of VMT has been assigned to a fixed combination of freeways and freeway ramps for all hours of the day and all vehicle types.

M 615 Comment:
User supplied VMT mix.

M 48 Warning:
there are no sales for vehicle class HDGV8b
M 48 Warning:
there are no sales for vehicle class LDGT12

Calendar Year: 2015
Month: July  
Altitude: Low  
Minimum Temperature: 63.6 (F)  
Maximum Temperature: 85.3 (F)  
Absolute Humidity: 89. grains/lb  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.8 psi  
Fuel Sulfur Content: 30. ppm  

Exhaust I/M Program: No  
Evap I/M Program: No  
ATP Program: No  
Reformulated Gas: No  

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<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
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<th>HDDV</th>
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<td>Scenario 33: HPMS Urban OPA (M6 Arterial/Collector)</td>
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<tr>
<td>File 7, Run 3, Scenario 9.</td>
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<td>M583 Warning:</td>
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<tr>
<td>The user supplied arterial average speed of 40.4 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.</td>
<td></td>
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<tr>
<td>M615 Comment:</td>
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<tr>
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<tr>
<td>M 48 Warning:</td>
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<tr>
<td>there are no sales for vehicle class HDGV8b</td>
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<tr>
<td>M 48 Warning:</td>
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<tr>
<td>there are no sales for vehicle class LDDT12</td>
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Calendar Year: 2015  
Month: July  
Altitude: Low  
Minimum Temperature: 63.6 (F)  
Maximum Temperature: 85.3 (F)  
Absolute Humidity: 89. grains/lb  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.8 psi  
Fuel Sulfur Content: 30. ppm
Exhaust I/M Program: No  
Evap I/M Program: No  
ATP Program: No  
Reformulated Gas: No

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<th>Vehicle Type:</th>
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<th>LDDV</th>
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<td>(All)</td>
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<td>GVWR:</td>
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<td>VMT Distribution:</td>
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---

**Composite Emission Factors (g/mi):**

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<td>Composite VOC :</td>
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<td>1.95</td>
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<td>Composite NOX :</td>
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<td>0.631</td>
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---

* Scenario 34: HPMS Urban Minor Arterial (M6 Arterial/Collector) * File 7, Run 3, Scenario 10. * # # # # # # # # # # # # # # # # # # # # # # # # #

**M583 Warning:**
The user supplied arterial average speed of 37.4 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

**M615 Comment:**
User supplied VMT mix.

**M 48 Warning:**
there are no sales for vehicle class HDGV8b

**M 48 Warning:**
there are no sales for vehicle class LDDT12

Calendar Year: 2015  
Month: July  
Altitude: Low  
Minimum Temperature: 63.6 (F)  
Maximum Temperature: 85.3 (F)  
Absolute Humidity: 89. grains/lb  
Nominal Fuel RVP: 9.0 psi  
Weathered RVP: 8.8 psi  
Fuel Sulfur Content: 30. ppm  

Exhaust I/M Program: No  
Evap I/M Program: No  
ATP Program: No  
Reformulated Gas: No

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<th>Vehicle Type:</th>
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### Composite Emission Factors (g/mi):

**Composite VOC:**

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<tr>
<td>0.597</td>
<td>0.605</td>
<td>0.826</td>
<td>0.661</td>
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**Composite NOX:**

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<tbody>
<tr>
<td>0.426</td>
<td>0.513</td>
<td>0.675</td>
<td>0.554</td>
<td>1.095</td>
<td>0.202</td>
<td>0.299</td>
<td>2.752</td>
<td>1.130</td>
<td>0.603</td>
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</tbody>
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---

* Scenario 35: HPMS Urban Collector (M6 Arterial/Collector)*

* File 7, Run 3, Scenario 11.*

M583 Warning:

The user supplied arterial average speed of 33.8
will be used for all hours of the day. 100% of VMT
has been assigned to the arterial/collector roadway
type for all hours of the day and all vehicle types.

M615 Comment:

User supplied VMT mix.

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class LDDT12

---

**Calendar Year:** 2015  
**Month:** July  
**Altitude:** Low  
**Minimum Temperature:** 63.6 (F)  
**Maximum Temperature:** 85.3 (F)  
**Absolute Humidity:** 89. grains/lb  
**Nominal Fuel RVP:** 9.0 psi  
**Weathered RVP:** 8.8 psi  
**Fuel Sulfur Content:** 30. ppm  
**Exhaust I/M Program:** No  
**Evap I/M Program:** No  
**ATP Program:** No  
**Reformulated Gas:** No  

<table>
<thead>
<tr>
<th>Vehicle Type:</th>
<th>LDGV</th>
<th>LDGT12</th>
<th>LDGT34</th>
<th>LDGT</th>
<th>HDGV</th>
<th>LDDV</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDDT</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDDV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GVWR</td>
<td>&lt;6000</td>
<td>&gt;6000</td>
<td>(All)</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>VMT Distribution:</th>
<th>0.5019</th>
<th>0.3303</th>
<th>0.1126</th>
<th>0.0139</th>
<th>0.0005</th>
<th>0.0017</th>
<th>0.0335</th>
<th>0.0056</th>
<th>1.0000</th>
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</table>

---

**Composite Emission Factors (g/mi):**

**Composite VOC:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Value</th>
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<th>Value</th>
<th>Value</th>
<th>Value</th>
<th>Value</th>
<th>Value</th>
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</tr>
</thead>
<tbody>
<tr>
<td>0.613</td>
<td>0.618</td>
<td>0.844</td>
<td>0.675</td>
<td>0.519</td>
<td>0.128</td>
<td>0.252</td>
<td>0.274</td>
<td>2.070</td>
<td>0.636</td>
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</table>
Composite NOX: 0.426 0.512 0.673 0.553 1.061 0.199 0.296 2.691 1.11 0.571

* Scenario 36: HPMS Urban Local (M6 Local Road) - 12.9
* File 7, Run 3, Scenario 12.

* Reading Hourly Roadway VMT distribution from the following external
* data file: FVMTLOCL.DEF

Reading User Supplied ROADWAY VMT Factors
M615 Comment:
   User supplied VMT mix.
M 48 Warning:
   there are no sales for vehicle class HDGV8b
M 48 Warning:
   there are no sales for vehicle class LDDT12

Calendar Year: 2015
Month: July
Altitude: Low
Minimum Temperature: 63.6 (F)
Maximum Temperature: 85.3 (F)
Absolute Humidity: 89. grains/lb
Nominal Fuel RVP: 9.0 psi
Weathered RVP: 8.8 psi
Fuel Sulfur Content: 30. ppm
Exhaust I/M Program: No
Evap I/M Program: No
ATP Program: No
Reformulated Gas: No

Vehicle Type:    LDGV    LDGT12    LDGT34    LDGT    HDGV    LDDV
               ------    ------    ------    ------    ------    ------
GVWR:            <6000     >6000     (All)    ------    ------    ------

VMT Distribution: 0.5094 0.3354 0.1144 0.0097 0.0005 0.0017 0.0263 0.0026 1.0000

----------------------------------------
Composite Emission Factors (g/mi):
Composite VOC: 0.915 0.915 1.229 0.995 1.054 0.211
0.413 0.583 3.10 0.948
Composite NOX: 0.441 0.514 0.667 0.553 0.911 0.267
0.397 3.808 0.90 0.585

----------------------------------------