

| VEHICLE_ID | TEST_TYPE/ PEMS_ROUTE | START_ODOMETER [mi] | START_DATE | START_TIME | PHASE_NUMBER/ BAG_NUMBER / ROUTE_SEGMENT | GRAMS_PER_MILE_THC | GRAMS_PER_MILE_CO | GRAMS_PER_MILE_NOX | GRAMS_PER_MILE_CO2 | GRAMS_PER_MILE_NMHC | GRAMS_PER_MILE_CH4 | GRAMS_PER_MILE _NMOG+NOX | GRAMS_PER_MILE_N2O |
|-----------------|--------------------------|---------------------|------------|------------|---|--------------------|-------------------|--------------------|--------------------|---------------------|--------------------|-----------------------------|--------------------|
| IUG1 Vehicle #3 | | | | | Phase 1 | 0.032 | 0.409 | 0.355 | 663.95 | 0.022 | 0.010 | 0.377 | 0.033 |
| IUG1 Vehicle #3 | | | | | Phase 2 | 0.018 | 0.014 | 0.000 | 572.16 | 0.006 | 0.012 | 0.006 | 0.035 |
| IUG1 Vehicle #3 | | | | | Phase 3 | 0.009 | 0.011 | 0.034 | 579.10 | 0.003 | 0.007 | 0.037 | 0.025 |
| IUG1 Vehicle #3 | FTP75 | 102469 | 07/19/22 | 12:32:27 | Total / Weighted Results | 0.018 | 0.095 | 0.083 | 593.09 | 0.009 | 0.010 | 0.092 | 0.032 |
| IUG1 Vehicle #3 | | | | | Phase 2 | 0.005 | 0.010 | 0.000 | 448.12 | 0.002 | 0.003 | 0.002 | 0.014 |
| IUG1 Vehicle #3 | HWFET | 102481 | 07/19/22 | 13:39:27 | Total / Weighted Results | 0.005 | 0.010 | 0.000 | 448.12 | 0.002 | 0.003 | 0.002 | 0.014 |
| IUG1 Vehicle #3 | | | | | Phase 1 | 0.030 | 0.316 | 0.365 | 672.68 | 0.020 | 0.011 | 0.385 | 0.028 |
| IUG1 Vehicle #3 | | | | | Phase 2 | 0.016 | 0.016 | 0.000 | 602.14 | 0.003 | 0.013 | 0.004 | 0.033 |
| IUG1 Vehicle #3 | | | | | Phase 3 | 0.007 | 0.011 | 0.032 | 565.62 | 0.001 | 0.006 | 0.033 | 0.023 |
| IUG1 Vehicle #3 | FTP75 | 102509 | 07/20/22 | 07:39:31 | Total / Weighted Results | 0.016 | 0.077 | 0.085 | 606.72 | 0.006 | 0.011 | 0.091 | 0.029 |
| IUG1 Vehicle #3 | | | | | Phase 2 | 0.004 | 0.009 | 0.000 | 440.42 | 0.001 | 0.003 | 0.001 | 0.013 |
| IUG1 Vehicle #3 | HWFET | 102520 | 07/20/22 | 08:56:13 | Total / Weighted Results | 0.004 | 0.009 | 0.000 | 440.42 | 0.001 | 0.003 | 0.001 | 0.013 |
| IUG1 Vehicle #3 | | | | | Phase 1 | 0.039 | 0.429 | 0.445 | 662.21 | 0.028 | 0.011 | 0.473 | 0.034 |
| IUG1 Vehicle #3 | | | | | Phase 2 | 0.015 | 0.014 | 0.004 | 596.90 | 0.004 | 0.012 | 0.007 | 0.044 |
| IUG1 Vehicle #3 | | | | | Phase 3 | 0.008 | 0.011 | 0.081 | 572.11 | 0.002 | 0.006 | 0.083 | 0.029 |
| IUG1 Vehicle #3 | FTP75 | 102570 | 07/21/22 | 07:30:10 | Total / Weighted Results | 0.018 | 0.099 | 0.116 | 603.59 | 0.008 | 0.010 | 0.124 | 0.037 |
| IUG1 Vehicle #3 | | | | | Phase 2 | 0.005 | 0.010 | 0.036 | 444.52 | 0.002 | 0.003 | 0.038 | 0.017 |
| IUG1 Vehicle #3 | HWFET | 102581 | 07/21/22 | 08:39:20 | Total / Weighted Results | 0.005 | 0.009 | 0.036 | 444.52 | 0.002 | 0.003 | 0.038 | 0.017 |

Emissions sample table is an enhancement to Appendix B, 4.a.vi

| | Bag Results (g/mi) | Second-by-second modal emissions concentration in PPM (undiluted modal) |
|------------------------|-----------------------|---|
| THC ¹ | ✓ | ✓ |
| CO | ✓ | ✓ |
| NOx | ✓ | ✓ |
| CO2 | ✓ | ✓ |
| NMHC ² | ✓ | |
| CH4 | ✓ | |
| N2O | ✓ | |
| NMOG ³ +NOx | ✓ | |

1: per CFR Title 40 Part 86 Subpart B 110-94 (a)(2) and (3) for FTP and SFTP cycles, THC is an integrated measurement for the sample. For Special Cycle-A tests, THC is sampled directly from the bag.

2: NMHC is calculated based on THC - CH4. See comment 1 regarding THC. For PEMS testing, NMHC is calculated as: $NMHC = 0.98 \times THC$.

3: For diesel vehicles, NMOG shall mean non-methane hydrocarbons and shall be measured in accordance with Part B (Determination of NMHC Emissions by Flame Ionization Detection) of the "California Non-Methane Organic Gas Test Procedures."