

| Vehicle_ID      | Test_Type/<br>PEMS_Route                 | Start_Odometer [mi] | Start_Date | Start_Time | Phase_Number/ Bag_Number<br>/ 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<br>_NMOG+NOx | Grams_Per_Mile_N2O |
|-----------------|------------------------------------------|---------------------|------------|------------|---------------------------------------------|--------------------|-------------------|--------------------|--------------------|---------------------|--------------------|-----------------------------|--------------------|
| IUG2 Vehicle #1 | Transfer LATC to L.A. Downtown / DT0     | 102318              | 03/25/24   | 11:14:00   | DT0                                         | 0.019              | 0.145             | 0.048              | 335.53             | 0.019               | 0.000              | 0.067                       |                    |
| IUG2 Vehicle #1 | Urban Downtown L.A. Route/ DT1           | 102337              | 03/25/24   | 11:39:00   | DT1                                         | 0.005              | 0.072             | 0.011              | 432.29             | 0.005               | 0.000              | 0.016                       |                    |
| IUG2 Vehicle #1 | PEMS Urban/Downtown L.A. Route           |                     |            |            | Total / Weighted Results                    | 0.013              | 0.111             | 0.031              | 380.09             | 0.013               | 0.000              | 0.043                       |                    |
| IUG2 Vehicle #1 | Transfer LATC to ARB / Combined Route-A0 | 102649              | 04/01/24   | 09:23:00   | A0                                          | 0.018              | 0.301             | 0.047              | 314.96             | 0.017               | 0.000              | 0.064                       |                    |
| IUG2 Vehicle #1 | Freeway East / Combined Route-A1         | 102673              | 04/01/24   | 09:55:00   | A1                                          | 0.001              | 0.250             | 0.012              | 309.81             | 0.001               | 0.000              | 0.014                       |                    |
| IUG2 Vehicle #1 | Uphill / Combined Route-A2               | 102700              | 04/01/24   | 10:25:00   | A2                                          | 0.002              | 0.478             | 0.020              | 578.95             | 0.002               | 0.000              | 0.023                       |                    |
| IUG2 Vehicle #1 | Downhill / Combined Route-B1             | 102717              | 04/01/24   | 10:58:00   | B1                                          | 0.021              | 0.316             | 0.045              | 182.10             | 0.021               | 0.001              | 0.066                       |                    |
| IUG2 Vehicle #1 | Freeway West / Combined Route-B2         | 102735              | 04/01/24   | 11:27:00   | B2                                          | 0.002              | 0.247             | 0.015              | 274.54             | 0.002               | 0.000              | 0.017                       |                    |
| IUG2 Vehicle #1 | PEMS Combined Route                      |                     |            |            | Total / Weighted Results                    | 0.008              | 0.304             | 0.026              | 322.35             | 0.008               | 0.000              | 0.034                       |                    |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 1                                     | 0.104              | 0.429             | 0.106              | 432.57             | 0.055               | 0.050              | 0.161                       | 0.019              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.007              | 0.009             | 0.000              | 347.67             | 0.003               | 0.004              | 0.003                       | 0.016              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 3                                     | 0.021              | 0.008             | 0.006              | 337.24             | 0.005               | 0.016              | 0.011                       | 0.020              |
| IUG2 Vehicle #1 | FTP75                                    | 102889              | 05/08/24   | 06:32:55   | Total / Weighted Results                    | 0.031              | 0.095             | 0.024              | 362.35             | 0.014               | 0.017              | 0.038                       | 0.018              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.002              | 0.006             | 0.000              | 246.79             | 0.002               | 0.000              | 0.002                       | 0.007              |
| IUG2 Vehicle #1 | HWFET                                    | 102900              | 05/08/24   | 07:53:23   | Total / Weighted Results                    | 0.002              | 0.006             | 0.000              | 246.79             | 0.002               | 0.000              | 0.002                       | 0.007              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 1                                     | 0.100              | 0.331             | 0.118              | 455.05             | 0.047               | 0.055              | 0.165                       | 0.020              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.006              | 0.009             | 0.002              | 381.63             | 0.003               | 0.003              | 0.005                       | 0.014              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 3                                     | 0.025              | 0.025             | 0.019              | 342.47             | 0.008               | 0.017              | 0.027                       | 0.018              |
| IUG2 Vehicle #1 | FTP75                                    | 102973              | 05/09/24   | 06:52:59   | Total / Weighted Results                    | 0.031              | 0.080             | 0.031              | 386.08             | 0.013               | 0.018              | 0.044                       | 0.017              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.002              | 0.005             | 0.000              | 247.47             | 0.001               | 0.000              | 0.002                       | 0.007              |
| IUG2 Vehicle #1 | HWFET                                    | 102984              | 05/09/24   | 08:16:01   | Total / Weighted Results                    | 0.002              | 0.005             | 0.000              | 247.47             | 0.001               | 0.000              | 0.002                       | 0.007              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.001              | 0.006             | 0.006              | 392.57             | 0.001               | 0.000              | 0.006                       | 0.013              |
| IUG2 Vehicle #1 | US06                                     | 103005              | 05/09/24   | 09:14:56   | Total / Weighted Results                    | 0.001              | 0.006             | 0.006              | 392.57             | 0.001               | 0.000              | 0.006                       | 0.013              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 1                                     | 0.107              | 0.461             | 0.112              | 450.12             | 0.056               | 0.052              | 0.168                       | 0.020              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.006              | 0.009             | 0.001              | 371.20             | 0.002               | 0.004              | 0.003                       | 0.015              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 3                                     | 0.022              | 0.006             | 0.026              | 346.21             | 0.005               | 0.018              | 0.030                       | 0.019              |
| IUG2 Vehicle #1 | FTP75                                    | 103028              | 05/10/24   | 09:04:01   | Total / Weighted Results                    | 0.031              | 0.102             | 0.031              | 380.71             | 0.014               | 0.018              | 0.045                       | 0.017              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.002              | 0.005             | 0.000              | 248.01             | 0.002               | 0.000              | 0.002                       | 0.007              |
| IUG2 Vehicle #1 | HWFET                                    | 103039              | 05/10/24   | 10:18:04   | Total / Weighted Results                    | 0.002              | 0.005             | 0.000              | 248.01             | 0.002               | 0.000              | 0.002                       | 0.007              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.002              | 0.005             | 0.012              | 394.28             | 0.001               | 0.000              | 0.013                       | 0.013              |
| IUG2 Vehicle #1 | US06                                     | 103060              | 05/10/24   | 11:18:17   | Total / Weighted Results                    | 0.002              | 0.005             | 0.012              | 394.28             | 0.001               | 0.000              | 0.013                       | 0.013              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 1                                     | 0.134              | 0.335             | 0.117              | 439.56             | 0.085               | 0.049              | 0.202                       | 0.022              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.029              | 0.009             | 0.004              | 353.32             | 0.025               | 0.004              | 0.029                       | 0.020              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 3                                     | 0.023              | 0.009             | 0.020              | 337.78             | 0.007               | 0.017              | 0.026                       | 0.021              |
| IUG2 Vehicle #1 | FTP75                                    | 103273              | 05/16/24   | 06:30:30   | Total / Weighted Results                    | 0.049              | 0.077             | 0.032              | 366.89             | 0.033               | 0.017              | 0.064                       | 0.021              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.002              | 0.005             | 0.016              | 247.42             | 0.002               | 0.000              | 0.018                       | 0.013              |
| IUG2 Vehicle #1 | HWFET                                    | 103285              | 05/16/24   | 08:00:12   | Total / Weighted Results                    | 0.002              | 0.005             | 0.016              | 247.42             | 0.002               | 0.000              | 0.018                       | 0.013              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.002              | 0.007             | 0.053              | 386.65             | 0.001               | 0.000              | 0.054                       | 0.016              |
| IUG2 Vehicle #1 | US06                                     | 103305              | 05/16/24   | 08:58:58   | Total / Weighted Results                    | 0.002              | 0.007             | 0.053              | 386.65             | 0.001               | 0.000              | 0.054                       | 0.016              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 1                                     | 0.108              | 0.401             | 0.117              | 449.43             | 0.056               | 0.055              | 0.173                       | 0.020              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.004              | 0.009             | 0.002              | 371.66             | 0.000               | 0.004              | 0.003                       | 0.021              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 3                                     | 0.004              | 0.010             | 0.003              | 344.73             | 0.000               | 0.004              | 0.003                       | 0.022              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 4                                     | 0.005              | 0.009             | 0.003              | 329.83             | 0.000               | 0.005              | 0.003                       | 0.021              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 5                                     | 0.005              | 0.011             | 0.005              | 335.34             | 0.001               | 0.005              | 0.005                       | 0.022              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 6                                     | 0.004              | 0.009             | 0.004              | 334.16             | 0.000               | 0.005              | 0.004                       | 0.020              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 7                                     | 0.004              | 0.009             | 0.005              | 335.44             | 0.000               | 0.004              | 0.005                       | 0.020              |
| IUG2 Vehicle #1 | Special Cycle A - Cold                   | 103329              | 05/17/24   | 06:05:14   | Total / Weighted Results                    | 0.018              | 0.062             | 0.019              | 356.34             | 0.008               | 0.011              | 0.027                       | 0.021              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 2                                     | 0.000              | 0.009             | 0.006              | 310.58             | 0.000               | 0.000              | 0.006                       | 0.024              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 3                                     | 0.002              | 0.013             | 0.005              | 325.45             | 0.001               | 0.001              | 0.006                       | 0.033              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 4                                     | 0.003              | 0.013             | 0.004              | 330.35             | 0.001               | 0.002              | 0.005                       | 0.024              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 5                                     | 0.003              | 0.012             | 0.003              | 326.97             | 0.000               | 0.003              | 0.004                       | 0.020              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 6                                     | 0.003              | 0.012             | 0.004              | 330.86             | 0.000               | 0.004              | 0.004                       | 0.021              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 7                                     | 0.003              | 0.012             | 0.005              | 333.24             | 0.000               | 0.004              | 0.005                       | 0.020              |
| IUG2 Vehicle #1 |                                          |                     |            |            | Phase 8                                     | 0.004              | 0.013             | 0.006              | 331.00             | 0.000               | 0.003              | 0.006                       | 0.018              |
| IUG2 Vehicle #1 | Special Cycle A - Hot                    | 103356              | 05/17/24   | 08:24:14   | Total / Weighted Results                    | 0.003              | 0.012             | 0.005              | 327.09             | 0.000               | 0.002              | 0.005                       | 0.023              |

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

|                        | Bag Results<br>(g/mi) | Second-by-second modal<br>emissions concentration in PPM<br>(undiluted modal) |
|------------------------|-----------------------|-------------------------------------------------------------------------------|
| THC <sup>1</sup>       | ✓                     | ✓                                                                             |
| CO                     | ✓                     | ✓                                                                             |
| NOx                    | ✓                     | ✓                                                                             |
| CO2                    | ✓                     | ✓                                                                             |
| NMHC <sup>2</sup>      | ✓                     |                                                                               |
| CH4                    | ✓                     |                                                                               |
| N2O                    | ✓                     |                                                                               |
| NMOG <sup>3</sup> +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= 0.98xTHC.

**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.”