

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
IUG2 Vehicle #2					Phase 1	0.156	0.623	0.138	454.53	0.105	0.052	0.243	0.024
IUG2 Vehicle #2					Phase 2	0.005	0.010	0.002	362.53	0.002	0.003	0.004	0.016
IUG2 Vehicle #2					Phase 3	0.034	0.089	0.019	343.33	0.015	0.019	0.033	0.023
IUG2 Vehicle #2	FTP75	106618	06/13/23	07:24:29	Total / Weighted Results	0.044	0.159	0.034	376.30	0.027	0.018	0.061	0.020
IUG2 Vehicle #2					Phase 2	0.001	0.006	0.001	257.56	0.000	0.001	0.001	0.011
IUG2 Vehicle #2	HWFET	106630	06/13/23	08:36:03	Total / Weighted Results	0.001	0.006	0.001	257.56	0.000	0.001	0.001	0.011
IUG2 Vehicle #2					Phase 2	0.001	0.004	0.112	403.71	0.000	0.000	0.112	0.019
IUG2 Vehicle #2	US06	106650	06/13/23	09:30:04	Total / Weighted Results	0.001	0.004	0.112	403.71	0.000	0.000	0.112	0.019
IUG2 Vehicle #2					Phase 1	0.144	0.583	0.160	444.38	0.094	0.050	0.254	0.023
IUG2 Vehicle #2					Phase 2	0.005	0.008	0.001	358.61	0.002	0.004	0.003	0.016
IUG2 Vehicle #2					Phase 3	0.038	0.104	0.024	344.10	0.017	0.021	0.041	0.022
IUG2 Vehicle #2	FTP75	106674	06/14/23	07:04:36	Total / Weighted Results	0.043	0.154	0.040	372.40	0.025	0.018	0.066	0.019
IUG2 Vehicle #2					Phase 2	0.000	0.004	0.001	254.35	0.000	0.000	0.001	0.011
IUG2 Vehicle #2	HWFET	106685	06/14/23	08:13:51	Total / Weighted Results	0.000	0.004	0.001	254.35	0.000	0.000	0.001	0.011
IUG2 Vehicle #2					Phase 2	0.000	0.005	0.069	404.87	0.000	0.000	0.070	0.020
IUG2 Vehicle #2	US06	106706	06/14/23	09:11:27	Total / Weighted Results	0.000	0.005	0.069	404.87	0.000	0.000	0.070	0.020
IUG2 Vehicle #2					Phase 1	0.156	0.666	0.138	447.31	0.102	0.054	0.241	0.023
IUG2 Vehicle #2					Phase 2	0.007	0.007	0.001	353.10	0.002	0.004	0.003	0.016
IUG2 Vehicle #2					Phase 3	0.029	0.106	0.024	341.09	0.013	0.017	0.037	0.023
IUG2 Vehicle #2	FTP75	106730	06/15/23	07:30:10	Total / Weighted Results	0.044	0.171	0.036	369.30	0.026	0.018	0.062	0.020
IUG2 Vehicle #2					Phase 2	0.001	0.005	0.000	253.88	0.000	0.001	0.000	0.010
IUG2 Vehicle #2	HWFET	106741	06/15/23	08:37:52	Total / Weighted Results	0.001	0.005	0.000	253.88	0.000	0.001	0.000	0.010
IUG2 Vehicle #2					Phase 2	0.001	0.004	0.051	394.78	0.000	0.000	0.051	0.019
IUG2 Vehicle #2	US06	106761	06/15/23	09:30:22	Total / Weighted Results	0.001	0.004	0.051	394.78	0.000	0.000	0.051	0.019

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 <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.”