

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 #1					Phase 1	0.207	0.793	0.101	444.08	0.144	0.064	0.245	0.020
IUG2 Vehicle #1					Phase 2	0.010	0.009	0.000	346.95	0.005	0.005	0.006	0.021
IUG2 Vehicle #1					Phase 3	0.029	0.040	0.010	338.00	0.011	0.018	0.021	0.023
IUG2 Vehicle #1	FTP75	108499	06/07/23	07:31:42	Total / Weighted Results	0.056	0.180	0.024	364.60	0.036	0.021	0.059	0.021
IUG2 Vehicle #1					Phase 2	0.002	0.006	0.000	252.52	0.001	0.001	0.001	0.012
IUG2 Vehicle #1	HWFET	108511	06/07/23	08:40:35	Total / Weighted Results	0.002	0.006	0.000	252.52	0.001	0.001	0.001	0.012
IUG2 Vehicle #1					Phase 2	0.002	0.006	0.001	402.38	0.000	0.001	0.001	0.019
IUG2 Vehicle #1	US06	108531	06/07/23	09:37:21	Total / Weighted Results	0.002	0.006	0.001	402.38	0.000	0.001	0.001	0.019
IUG2 Vehicle #1					Phase 1	0.148	0.638	0.106	455.85	0.088	0.061	0.194	0.020
IUG2 Vehicle #1					Phase 2	0.009	0.008	0.000	358.26	0.005	0.004	0.005	0.018
IUG2 Vehicle #1					Phase 3	0.031	0.084	0.010	330.74	0.010	0.022	0.019	0.021
IUG2 Vehicle #1	FTP75	108555	06/08/23	07:20:13	Total / Weighted Results	0.044	0.160	0.025	370.93	0.023	0.021	0.048	0.019
IUG2 Vehicle #1					Phase 2	0.002	0.005	0.000	252.67	0.001	0.001	0.001	0.009
IUG2 Vehicle #1	HWFET	108566	06/08/23	08:34:26	Total / Weighted Results	0.002	0.005	0.000	252.67	0.001	0.001	0.001	0.009
IUG2 Vehicle #1					Phase 2	0.001	0.005	0.001	398.48	0.001	0.000	0.002	0.018
IUG2 Vehicle #1	US06	108587	06/08/23	09:35:01	Total / Weighted Results	0.001	0.005	0.001	398.48	0.001	0.000	0.002	0.018
IUG2 Vehicle #1					Phase 1	0.151	0.723	0.103	453.50	0.090	0.062	0.193	0.019
IUG2 Vehicle #1					Phase 2	0.007	0.033	0.003	349.58	0.003	0.005	0.006	0.018
IUG2 Vehicle #1					Phase 3	0.040	0.111	0.012	344.00	0.017	0.024	0.029	0.022
IUG2 Vehicle #1	FTP75	108610	06/09/23	07:22:04	Total / Weighted Results	0.046	0.197	0.026	369.55	0.025	0.022	0.051	0.019
IUG2 Vehicle #1					Phase 2	0.001	0.005	0.000	254.63	0.000	0.001	0.000	0.009
IUG2 Vehicle #1	HWFET	108621	06/09/23	08:32:28	Total / Weighted Results	0.001	0.005	0.000	254.63	0.000	0.001	0.000	0.009
IUG2 Vehicle #1					Phase 2	0.001	0.005	0.005	399.81	0.000	0.001	0.005	0.016
IUG2 Vehicle #1	US06	108642	06/09/23	09:24:34	Total / Weighted Results	0.001	0.005	0.004	399.81	0.000	0.001	0.004	0.016

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.”