

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					
IUG3 Vehicle #2	FTP75	106121	04/06/22	9:44	Phase 1	0.048	0.6	0.2	549.5	0.024	0.02	0.215	0.04					
					Phase 2	0.004	0.0	0.0	471.6	0.000	0.00	0.020	0.04					
					Phase 3	0.004	0.0	0.1	472.0	0.000	0.00	0.100	0.04					
					Total / Weighted Results	0.013	0.1	0.1	487.9	0.005	0.01	0.082	0.04					
IUG3 Vehicle #2	HWFET	106132	04/06/22	10:52	Phase 2	0.000	0.0	0.0	360.8	0.000	0.00	0.021	0.03					
					Total / Weighted Results	0.000	0.0	0.0	360.8	0.000	0.00	0.021	0.03					
IUG3 Vehicle #2	US06HW	106153	04/06/22	11:46	Phase 2	0.010	0.0	0.1	535.8	0.006	0.00	0.080	0.04					
					Total / Weighted Results	0.010	0.0	0.1	535.8	0.006	0.00	0.080	0.04					
IUG3 Vehicle #2	FTP75	106173	04/07/22	9:13	Phase 1	0.056	0.7	0.2	559.2	0.031	0.03	0.228	0.04					
					Phase 2	0.002	0.0	0.0	471.2	0.000	0.00	0.006	0.04					
					Phase 3	0.010	0.1	0.1	471.5	0.002	0.01	0.068	0.05					
					Total / Weighted Results	0.015	0.2	0.1	489.5	0.007	0.01	0.069	0.04					
IUG3 Vehicle #2	HWFET	106184	04/07/22	10:18	Phase 2	0.000	0.0	0.0	361.3	0.000	0.00	0.011	0.03					
					Total / Weighted Results	0.000	0.0	0.0	361.3	0.000	0.00	0.011	0.03					
IUG3 Vehicle #2	US06HW	106205	04/07/22	11:07	Phase 2	0.007	0.0	0.1	535.9	0.000	0.01	0.112	0.04					
					Total / Weighted Results	0.007	0.0	0.1	535.9	0.000	0.01	0.112	0.04					
IUG3 Vehicle #2	FTP75	106226	04/08/22	8:30	Phase 1	0.042	0.5	0.2	548.8	0.021	0.02	0.228	0.04					
					Phase 2	0.002	0.0	0.0	473.1	0.000	0.00	0.006	0.04					
					Phase 3	0.007	0.1	0.1	470.7	0.001	0.01	0.101	0.05					
					Total / Weighted Results	0.012	0.1	0.1	488.1	0.005	0.01	0.078	0.04					
IUG3 Vehicle #2	HWFET	106237	04/08/22	9:38	Phase 2	0.000	0.0	0.0	360.8	0.000	0.00	0.020	0.03					
					Total / Weighted Results	0.000	0.0	0.0	360.8	0.000	0.00	0.020	0.03					
IUG3 Vehicle #2	US06HW	106258	04/08/22	10:29	Phase 2	0.000	0.0	0.1	534.1	0.000	0.00	0.100	0.04					
					Total / Weighted Results	0.000	0.0	0.1	534.1	0.000	0.00	0.100	0.04					
IUG3 Vehicle #2	Special Cycle A - Cold	106278	04/12/22	11:33	Phase 1	0.039	0.6	0.2	559.7	0.021	0.02	0.258	0.04					
					Phase 2	0.005	0.0	0.0	478.8	0.000	0.00	0.005	0.04					
					Phase 3	0.005	0.0	0.0	469.9	0.000	0.00	0.011	0.03					
					Phase 4	0.005	0.0	0.0	465.7	0.000	0.00	0.013	0.03					
					Phase 5	0.006	0.0	0.0	470.4	0.000	0.00	0.019	0.03					
					Phase 6	0.005	0.0	0.0	468.0	0.000	0.00	0.016	0.03					
					Phase 7	0.005	0.0	0.0	467.5	0.000	0.00	0.017	0.03					
					Total / Weighted Results	0.010	0.1	0.0	482.1	0.003	0.01	0.046	0.03					
					Phase 3	0.001	0.0	0.0	480.0	0.000	0.00	0.043	0.06					
IUG3 Vehicle #2	Special Cycle A - Hot	106467	04/25/22	18:09	Phase 4	0.003	0.0	0.0	487.0	0.000	0.00	0.009	0.08					
					Phase 5	0.004	0.0	0.0	489.4	0.000	0.00	0.014	0.06					
					Phase 6	0.004	0.0	0.0	486.5	0.000	0.00	0.015	0.05					
					Phase 7	0.004	0.0	0.0	488.0	0.000	0.00	0.021	0.05					
					Phase 8	0.004	0.0	0.0	494.8	0.000	0.00	0.024	0.05					
					Phase 9	0.004	0.0	0.0	482.5	0.000	0.00	0.015	0.05					
					Total / Weighted Results	0.003	0.0	0.0	487.0	0.000	0.00	0.020	0.06					
					IUG3 Vehicle #2	PEMS Combined Route	106521	04/28/22	10:54	A0	0.011	0.1	0.0	299.0	0.011	0.00	0.054	
										A1	0.001	0.0	0.0	307.7	0.001	0.00	0.046	
A2	0.001	0.0	0.1	584.9						0.001	0.00	0.126						
B1	0.026	0.3	0.1	201.7						0.025	0.00	0.103						
B2	0.001	0.0	0.0	282.6						0.001	0.00	0.034						
Total / Weighted Results	0.007	0.1	0.1	324.1						0.007	0.00	0.066						
IUG3 Vehicle #2	PEMS Urban/Downtown Los Angeles Route	106678	04/29/22	10:32	DT0	0.015	0.2	0.1	369.2	0.015	0.00	0.115						
					DT1	0.005	0.0	0.0	458.8	0.005	0.00	0.029						
					Total / Weighted Results	0.010	0.1	0.1	410.3	0.010	0.00	0.076						

Emissions Sampling Table

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 SFOT 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."