

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
IUG4 Vehicle #2					Phase 1	0.138	0.449	0.160	547.49	0.085	0.054	0.245	0.027
IUG4 Vehicle #2					Phase 2	0.014	0.007	0.000	450.11	0.003	0.012	0.003	0.030
IUG4 Vehicle #2					Phase 3	0.042	0.005	0.009	418.96	0.007	0.036	0.016	0.023
IUG4 Vehicle #2	FTP75	102988	06/27/23	07:22:23	Total / Weighted Results	0.048	0.098	0.036	461.74	0.021	0.027	0.057	0.027
IUG4 Vehicle #2					Phase 2	0.005	0.006	0.000	281.21	0.001	0.004	0.002	0.012
IUG4 Vehicle #2	HWFET	103000	06/27/23	08:26:58	Total / Weighted Results	0.005	0.006	0.000	281.21	0.001	0.004	0.002	0.012
IUG4 Vehicle #2					Phase 2	0.004	0.005	0.000	430.67	0.001	0.002	0.001	0.014
IUG4 Vehicle #2	US06	103021	06/27/23	09:18:12	Total / Weighted Results	0.004	0.005	0.000	430.67	0.001	0.002	0.001	0.014
IUG4 Vehicle #2					Phase 1	0.143	0.600	0.127	536.18	0.093	0.051	0.219	0.025
IUG4 Vehicle #2					Phase 2	0.017	0.008	0.000	442.27	0.004	0.013	0.004	0.026
IUG4 Vehicle #2					Phase 3	0.041	0.005	0.004	414.86	0.007	0.034	0.011	0.021
IUG4 Vehicle #2	FTP75	103044	06/28/23	06:49:05	Total / Weighted Results	0.049	0.130	0.027	454.14	0.023	0.027	0.051	0.024
IUG4 Vehicle #2					Phase 2	0.005	0.005	0.000	277.49	0.001	0.004	0.002	0.011
IUG4 Vehicle #2	HWFET	103056	06/28/23	07:56:17	Total / Weighted Results	0.005	0.005	0.000	277.49	0.001	0.004	0.001	0.011
IUG4 Vehicle #2					Phase 2	0.004	0.004	0.000	424.16	0.002	0.002	0.002	0.013
IUG4 Vehicle #2	US06	103076	06/28/23	08:56:23	Total / Weighted Results	0.004	0.004	0.001	424.16	0.002	0.002	0.002	0.013
IUG4 Vehicle #2					Phase 1	0.135	0.580	0.126	546.49	0.087	0.049	0.214	0.026
IUG4 Vehicle #2					Phase 2	0.016	0.008	0.000	448.43	0.003	0.012	0.004	0.025
IUG4 Vehicle #2					Phase 3	0.043	0.004	0.003	418.12	0.010	0.032	0.014	0.020
IUG4 Vehicle #2	FTP75	103100	06/29/23	07:07:32	Total / Weighted Results	0.048	0.125	0.027	460.38	0.023	0.025	0.050	0.024
IUG4 Vehicle #2					Phase 2	0.005	0.005	0.000	281.41	0.001	0.004	0.001	0.011
IUG4 Vehicle #2	HWFET	103112	06/29/23	08:18:26	Total / Weighted Results	0.005	0.005	0.000	281.41	0.001	0.004	0.001	0.011
IUG4 Vehicle #2					Phase 2	0.004	0.004	0.000	435.87	0.002	0.002	0.002	0.013
IUG4 Vehicle #2	US06	103132	06/29/23	09:24:38	Total / Weighted Results	0.004	0.004	0.000	435.87	0.002	0.002	0.002	0.013

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= 0.98xTHC.

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.”