

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 #1	FTP75	101376	03/08/22	9:52	Phase 1	0.034	0.3	0.2	552.79	0.018	0.02	0.237	0.05
					Phase 2	0.005	0.0	0.0	477.24	0.002	0.00	0.031	0.06
					Phase 3	0.008	0.0	0.1	487.18	0.001	0.01	0.080	0.05
					Total / Weighted Results	0.012	0.1	0.1	495.63	0.005	0.01	0.087	0.05
IUG3 Vehicle #1	HWFET	101387	03/08/22	11:00	Phase 2	0.000	0.0	0.0	365.89	0.000	0.00	0.007	0.04
					Total / Weighted Results	0.000	0.0	0.0	365.89	0.000	0.00	0.007	0.04
IUG3 Vehicle #1	US06HW	101408	03/08/22	11:53	Phase 2	0.000	0.0	0.0	527.32	0.000	0.00	0.039	0.04
					Total / Weighted Results	0.000	0.0	0.0	527.32	0.000	0.00	0.039	0.04
IUG3 Vehicle #1	FTP75	101428	03/09/22	9:27	Phase 1	0.037	0.3	0.2	564.07	0.019	0.02	0.244	0.04
					Phase 2	0.005	0.0	0.0	473.36	0.000	0.00	0.027	0.05
					Phase 3	0.008	0.0	0.1	480.02	0.000	0.01	0.073	0.04
					Total / Weighted Results	0.012	0.1	0.1	493.97	0.004	0.01	0.085	0.04
IUG3 Vehicle #1	HWFET	101439	03/09/22	10:35	Phase 2	0.000	0.0	0.0	367.09	0.000	0.00	0.006	0.03
					Total / Weighted Results	0.000	0.0	0.0	367.09	0.000	0.00	0.006	0.03
IUG3 Vehicle #1	US06HW	101460	03/09/22	11:32	Phase 2	0.000	0.0	0.0	532.83	0.000	0.00	0.032	0.04
					Total / Weighted Results	0.000	0.0	0.0	532.83	0.000	0.00	0.032	0.04
IUG3 Vehicle #1	FTP75	101480	03/10/22	9:00	Phase 1	0.034	0.3	0.2	560.92	0.017	0.02	0.257	0.04
					Phase 2	0.004	0.0	0.0	479.97	0.000	0.00	0.024	0.05
					Phase 3	0.014	0.1	0.1	483.08	0.003	0.01	0.074	0.05
					Total / Weighted Results	0.013	0.1	0.1	497.60	0.004	0.01	0.086	0.05
IUG3 Vehicle #1	HWFET	101492	03/10/22	10:08	Phase 2	0.000	0.0	0.0	377.35	0.000	0.00	0.006	0.03
					Total / Weighted Results	0.000	0.0	0.0	377.35	0.000	0.00	0.006	0.03
IUG3 Vehicle #1	US06HW	101512	03/10/22	11:02	Phase 2	0.000	0.0	0.0	535.74	0.000	0.00	0.032	0.04
					Total / Weighted Results	0.000	0.0	0.0	535.74	0.000	0.00	0.031	0.04
IUG3 Vehicle #1	Special Cycle A - Cold	101533	03/11/22	9:26	Phase 1	0.033	0.4	0.2	560.97	0.016	0.02	0.237	0.04
					Phase 2	0.005	0.0	0.0	481.75	0.001	0.00	0.014	0.05
					Phase 3	0.005	0.0	0.0	472.47	0.000	0.00	0.017	0.04
					Phase 4	0.005	0.0	0.0	471.53	0.000	0.00	0.016	0.04
					Phase 5	0.005	0.0	0.0	469.61	0.000	0.00	0.015	0.04
					Phase 6	0.005	0.0	0.0	467.95	0.000	0.00	0.012	0.04
					Phase 7	0.005	0.0	0.0	473.71	0.000	0.00	0.013	0.04
					Total / Weighted Results	0.009	0.1	0.0	484.64	0.002	0.01	0.044	0.04
IUG3 Vehicle #1	Transfer LATC to L.A. Downtown / DT0	101668	04/04/22	11:15	DT0	0.012	0.1	0.1	373.10	0.012	0.00	0.117	
	Urban Downtown Los Angeles Route/ DT1	101686	04/04/22	11:43	DT1	0.006	0.0	0.0	471.91	0.006	0.00	0.046	
	PEMS Urban/Downtown Los Angeles Route				Total / Weighted Results	0.009	0.1	0.1	418.53	0.009	0.00	0.084	
IUG3 Vehicle #1	Transfer LATC to ARB / Combined Route-A0	101721	04/05/22	10:36	A0	0.010	0.1	0.1	349.00	0.010	0.00	0.062	
	Freeway East / Combined Route-A1	101745	04/05/22	11:11	A1	0.003	0.0	0.1	357.06	0.003	0.00	0.057	
	Uphill / Combined Route-A2	101772	04/05/22	11:44	A2	0.005	0.0	0.2	641.73	0.004	0.00	0.168	
	Downhill / Combined Route-B1	101789	04/05/22	12:20	B1	0.016	0.1	0.1	237.45	0.015	0.00	0.095	
	Freeway West / Combined Route-B2	101807	04/05/22	12:57	B2	0.003	0.0	0.1	310.40	0.003	0.00	0.057	
	PEMS Combined Route				Total / Weighted Results	0.006	0.1	0.1	367.29	0.006	0.00	0.080	
IUG3 Vehicle #1	Special Cycle A - Hot	101903	04/25/22	14:57	Phase 3	0.001	0.0	0.0	481.68	0.001	0.00	0.030	0.06
					Phase 4	0.003	0.0	0.0	482.24	0.001	0.00	0.017	0.07
					Phase 5	0.004	0.0	0.0	472.97	0.000	0.00	0.030	0.05
					Phase 6	0.004	0.0	0.0	473.80	0.000	0.00	0.033	0.04
					Phase 7	0.005	0.0	0.0	476.42	0.000	0.00	0.034	0.04
					Phase 8	0.004	0.0	0.0	470.65	0.000	0.00	0.033	0.04
					Phase 9	0.004	0.0	0.0	469.82	0.000	0.00	0.033	0.04
					Total / Weighted Results	0.004	0.0	0.0	475.30	0.000	0.00	0.030	0.05

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 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."