

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	FTP75	106092	02/11/22	10:41	Phase 1	0.061	0.2	0.12	418.49	0.025	0.038	0.14	0.022				
					Phase 2	0.007	0.0	0.00	354.24	0.000	0.009	0.00	0.021				
					Phase 3	0.016	0.0	0.03	331.52	0.001	0.016	0.03	0.016				
					Total / Weighted Results	0.021	0.0	0.03	361.32	0.006	0.017	0.04	0.020				
IUG2 Vehicle #1	HWFET	106103	02/11/22	11:51	Phase 2	0.000	0.0	0.02	227.56	0.000	0.001	0.02	0.009				
					Total / Weighted Results	0.000	0.0	0.02	227.56	0.000	0.001	0.02	0.009				
IUG2 Vehicle #1	US06	106124	02/11/22	12:43	Phase 2	0.000	0.0	0.02	348.58	0.000	0.001	0.02	0.014				
					Total / Weighted Results	0.000	0.0	0.02	348.58	0.000	0.001	0.02	0.014				
IUG2 Vehicle #1	FTP75	106148	02/15/22	9:37	Phase 1	0.091	0.2	0.12	416.48	0.048	0.045	0.17	0.017				
					Phase 2	0.008	0.0	0.00	352.41	0.000	0.009	0.00	0.018				
					Phase 3	0.009	0.0	0.04	324.33	0.000	0.010	0.04	0.017				
					Total / Weighted Results	0.025	0.1	0.04	357.98	0.010	0.017	0.05	0.018				
IUG2 Vehicle #1	HWFET	106159	02/15/22	10:42	Phase 2	0.000	0.0	0.00	228.08	0.000	0.001	0.00	0.007				
					Total / Weighted Results	0.000	0.0	0.00	228.08	0.000	0.001	0.00	0.007				
IUG2 Vehicle #1	US06	106180	02/15/22	11:38	Phase 2	0.000	0.0	0.03	353.80	0.000	0.001	0.03	0.013				
					Total / Weighted Results	0.000	0.0	0.03	353.80	0.000	0.001	0.03	0.013				
IUG2 Vehicle #1	FTP75	106203	02/16/22	9:42	Phase 1	0.080	0.2	0.11	434.89	0.040	0.042	0.15	0.021				
					Phase 2	0.007	0.0	0.00	356.65	0.000	0.009	0.00	0.019				
					Phase 3	0.008	0.0	0.03	333.36	0.000	0.009	0.03	0.019				
					Total / Weighted Results	0.023	0.0	0.03	366.48	0.008	0.016	0.04	0.019				
IUG2 Vehicle #1	HWFET	106214	02/16/22	10:47	Phase 2	0.000	0.0	0.00	234.23	0.000	0.001	0.00	0.008				
					Total / Weighted Results	0.000	0.0	0.00	234.23	0.000	0.001	0.00	0.008				
IUG2 Vehicle #1	US06	106235	02/16/22	11:39	Phase 2	0.000	0.0	0.05	360.85	0.000	0.000	0.05	0.013				
					Total / Weighted Results	0.000	0.0	0.05	360.85	0.000	0.000	0.05	0.013				
IUG2 Vehicle #1	Special Cycle A - Hot	106353	02/18/22	12:54	Phase 3	0.001	0.0	0.00	289.77	0.000	0.001	0.00	0.030				
					Phase 4	0.006	0.0	0.00	335.33	0.000	0.006	0.00	0.032				
					Phase 5	0.008	0.0	0.00	343.89	0.000	0.008	0.00	0.026				
					Phase 6	0.008	0.0	0.00	342.51	0.000	0.009	0.00	0.029				
					Phase 7	0.008	0.0	0.00	344.37	0.000	0.009	0.00	0.027				
					Phase 8	0.008	0.0	0.01	344.12	0.000	0.009	0.01	0.028				
					Phase 9	0.008	0.0	0.01	340.30	0.000	0.008	0.01	0.027				
					Total / Weighted Results	0.007	0.0	0.00	334.79	0.000	0.007	0.00	0.028				
					IUG2 Vehicle #1	Transfer LATC to L.A. Downtown / DT0	106410	02/25/22	10:36	DT0	0.012	0.1	0.06	259.72	0.012	0.000	0.07
						Urban Downtown Los Angeles Route/ DT1	106428	02/25/22	11:03	DT1	0.003	0.0	0.03	299.37	0.003	0.000	0.03
IUG2 Vehicle #1	PEMS DT Route					Total / Weighted Results	0.008	0.1	0.04	278.40	0.008	0.000	0.05				
	Transfer LATC to ARB / Combined Route-A0	106463	02/28/22	10:49	A0	0.011	0.1	0.06	246.51	0.010	0.000	0.07					
	Freeway East / Combined Route-A1	106487	02/28/22	11:27	A1	0.000	0.0	0.04	220.13	0.000	0.000	0.04					
	Uphill / Combined Route-A2	106515	02/28/22	11:58	A2	0.000	0.0	0.16	449.54	0.000	0.000	0.16					
	Downhill / Combined Route-B1	106532	02/28/22	12:37	B1	0.008	0.1	0.06	138.93	0.008	0.000	0.07					
	Freeway West / Combined Route-B2	106549	02/28/22	13:11	B2	0.000	0.0	0.02	196.04	0.000	0.000	0.02					
	PEMS Combined Route					Total / Weighted Results	0.004	0.0	0.06	241.03	0.003	0.000	0.06				
IUG2 Vehicle #1	Special Cycle A - Cold	106619	03/15/22	9:17	Phase 1	0.075	0.2	0.12	410.52	0.029	0.047	0.15	0.017				
					Phase 2	0.010	0.0	0.00	341.47	0.000	0.010	0.00	0.016				
					Phase 3	0.010	0.0	0.00	325.80	0.001	0.009	0.00	0.019				
					Phase 4	0.009	0.0	0.00	325.16	0.000	0.009	0.00	0.018				
					Phase 5	0.009	0.0	0.01	327.51	0.001	0.008	0.01	0.018				
					Phase 6	0.008	0.0	0.01	326.62	0.000	0.008	0.01	0.018				
					Phase 7	0.008	0.0	0.01	328.23	0.000	0.008	0.01	0.019				
					Total / Weighted Results	0.018	0.0	0.02	340.04	0.004	0.014	0.03	0.018				

#### 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 <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."