

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_N _MHC	GRAMS_PER_MILE_CH4	GRAMS_PER_MILE_NMOG+NOX	GRAMS_PER_MILE_N2O			
IUG4 Vehicle # 2	FTP75	102747	05/10/22	9:10	Phase 1	0.110	0.4	0.13	547.38	0.042	0.071	0.17	0.022			
					Phase 2	0.013	0.0	0.00	448.41	0.004	0.010	0.01	0.021			
					Phase 3	0.041	0.0	0.02	424.03	0.008	0.035	0.03	0.024			
					Total / Weighted Results	0.041	0.1	0.03	462.21	0.013	0.029	0.04	0.022			
IUG4 Vehicle # 2	HWFET	102758	05/10/22	10:26	Phase 2	0.003	0.011	0.000	295.80	0.002	0.002	0.002	0.009			
					Total / Weighted Results	0.003	0.0	0.00	295.80	0.002	0.002	0.00	0.009			
IUG4 Vehicle # 2	US06	102779	05/10/22	11:21	Phase 2	0.003	0.0	0.03	470.08	0.002	0.001	0.03	0.017			
					Total / Weighted Results	0.003	0.0	0.03	470.08	0.002	0.001	0.03	0.017			
IUG4 Vehicle # 2	FTP75	102802	05/11/22	7:41	Phase 1	0.115	0.3	0.12	564.50	0.036	0.083	0.16	0.021			
					Phase 2	0.010	0.0	0.00	482.85	0.001	0.010	0.00	0.024			
					Phase 3	0.037	0.0	0.02	436.94	0.005	0.034	0.03	0.028			
					Total / Weighted Results	0.039	0.1	0.03	487.16	0.010	0.031	0.04	0.024			
IUG4 Vehicle # 2	HWFET	102813	05/11/22	8:50	Phase 2	0.003	0.0	0.00	296.14	0.001	0.002	0.00	0.008			
					Total / Weighted Results	0.003	0.0	0.00	296.14	0.001	0.002	0.00	0.008			
IUG4 Vehicle # 2	US06	102834	05/11/22	9:40	Phase 2	0.002	0.0	0.04	478.74	0.001	0.002	0.04	0.018			
					Total / Weighted Results	0.002	0.0	0.04	478.74	0.001	0.002	0.04	0.018			
IUG4 Vehicle # 2	FTP75	102858	05/12/22	7:06	Phase 1	0.105	0.4	0.12	542.43	0.035	0.074	0.15	0.025			
					Phase 2	0.012	0.0	0.00	457.36	0.003	0.010	0.00	0.024			
					Phase 3	0.043	0.0	0.02	422.64	0.007	0.038	0.02	0.026			
					Total / Weighted Results	0.040	0.1	0.03	465.45	0.010	0.031	0.04	0.025			
IUG4 Vehicle # 2	HWFET	102869	05/12/22	8:11	Phase 2	0.003	0.0	0.00	293.92	0.001	0.002	0.00	0.008			
					Total / Weighted Results	0.003	0.0	0.00	293.92	0.001	0.002	0.00	0.008			
IUG4 Vehicle # 2	US06	102889	05/12/22	9:05	Phase 2	0.002	0.0	0.04	469.04	0.001	0.001	0.04	0.017			
					Total / Weighted Results	0.002	0.0	0.04	469.04	0.001	0.001	0.04	0.017			
IUG4 Vehicle # 2	Special Cycle-A Hot	102913	05/13/22	7:20	Phase 1	0.114	0.4	0.11	538.38	0.028	0.087	0.14	0.023			
					Phase 2	0.010	0.0	0.00	462.56	0.000	0.010	0.00	0.025			
					Phase 3	0.012	0.0	0.00	422.94	0.000	0.012	0.00	0.028			
					Phase 4	0.013	0.0	0.00	414.90	0.000	0.013	0.00	0.026			
					Phase 5	0.014	0.0	0.00	422.49	0.000	0.014	0.00	0.025			
					Phase 6	0.012	0.0	0.00	423.18	0.000	0.012	0.00	0.024			
					Phase 7	0.012	0.0	0.00	424.85	0.000	0.013	0.00	0.025			
					Total / Weighted Results	0.026	0.1	0.02	443.26	0.004	0.022	0.02	0.025			
					Phase 3	0.003	0.0	0.00	392.49	0.000	0.003	0.00	0.023			
IUG4 Vehicle # 2	Special Cycle-A Cold	102940	05/13/22	9:31	Phase 4	0.010	0.0	0.00	422.19	0.000	0.010	0.00	0.040			
					Phase 5	0.011	0.0	0.00	429.42	0.000	0.012	0.00	0.027			
					Phase 6	0.011	0.0	0.00	428.28	0.001	0.010	0.00	0.025			
					Phase 7	0.011	0.0	0.00	426.13	0.000	0.010	0.00	0.025			
					Phase 8	0.011	0.0	0.00	429.05	0.000	0.011	0.00	0.025			
					Phase 9	0.011	0.0	0.00	418.53	0.000	0.011	0.00	0.024			
					Total / Weighted Results	0.010	0.0	0.00	421.17	0.000	0.009	0.00	0.027			
					DT0	0.034	0.3	0.06	362.65	0.034	0.001	0.09				
					DT1	0.010	0.0	0.02	559.55	0.009	0.000	0.03				
IUG4 Vehicle # 2	Transfer LATC to L.A. Downtown / DT0 Urban Downtown Los Angeles Route/ DT1	103200 103219	05/20/22 05/20/22	11:09 11:37	DT0	0.034	0.3	0.06	362.65	0.034	0.001	0.09				
					DT1	0.010	0.0	0.02	559.55	0.009	0.000	0.03				
IUG4 Vehicle # 2	PEMS Urban/Downtown Los Angeles Route	103200	05/23/22	11:10	Total / Weighted Results	0.023	0.2	0.04	453.28	0.022	0.001	0.06				
					Transfer LATC to ARB / Combined Route-A0	103252	05/23/22	11:10	A0	0.016	0.1	0.08	351.70	0.015	0.000	0.10
					Freeway East / Combined Route-A1	103276	05/23/22	11:46	A1	0.005	0.0	0.02	345.36	0.004	0.000	0.02
					Uphill / Combined Route-A2	103303	05/23/22	12:20	A2	0.007	0.0	0.08	681.79	0.006	0.000	0.09
					Downhill / Combined Route-B1	103320	05/23/22	12:57	B1	0.033	0.2	0.05	252.47	0.032	0.001	0.09
					Freeway West / Combined Route-B2	103338	05/23/22	13:39	B2	0.006	0.0	0.01	299.42	0.006	0.000	0.02
					PEMS Combined Route				Total / Weighted Results	0.012	0.1	0.04	370.71	0.012	0.000	0.06
					Transfer LATC to ARB / Combined Route-A0	103252	05/23/22	11:10	A0	0.016	0.1	0.08	351.70	0.015	0.000	0.10
					Freeway East / Combined Route-A1	103276	05/23/22	11:46	A1	0.005	0.0	0.02	345.36	0.004	0.000	0.02
					Uphill / Combined Route-A2	103303	05/23/22	12:20	A2	0.007	0.0	0.08	681.79	0.006	0.000	0.09

#### 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."