

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	Transfer LATC to ARB / Combined Route-A0	102215	08/01/24	09:42:00	A0	0.031	0.536	0.039	408.22	0.031	0.001	0.070	
IUG4 Vehicle #2	Freeway East / Combined Route-A1	102239	08/01/24	10:21:00	A1	0.003	0.298	0.013	374.70	0.003	0.000	0.016	
IUG4 Vehicle #2	Uphill / Combined Route-A2	102266	08/01/24	10:51:00	A2	0.002	0.526	0.035	719.98	0.002	0.000	0.037	
IUG4 Vehicle #2	Downhill / Combined Route-B1	102283	08/01/24	11:24:00	B1	0.040	0.452	0.064	263.40	0.039	0.001	0.102	
IUG4 Vehicle #2	Freeway West / Combined Route-B2	102300	08/01/24	11:56:00	B2	0.003	0.206	0.018	321.76	0.003	0.000	0.021	
IUG4 Vehicle #2	PEMS Combined Route				Total / Weighted Results	0.014	0.383	0.031	402.72	0.014	0.000	0.045	
IUG4 Vehicle #2	Transfer LATC to L.A. Downtown / DT0	102352	08/02/24	09:35:00	DT0	0.034	0.533	0.050	431.30	0.034	0.001	0.084	
IUG4 Vehicle #2	Urban Downtown L.A. Route/ DT1	102371	08/02/24	09:59:00	DT1	0.007	0.579	0.029	601.13	0.007	0.000	0.036	
IUG4 Vehicle #2	PEMS Urban/Downtown L.A. Route				Total / Weighted Results	0.022	0.554	0.040	509.46	0.021	0.001	0.062	
IUG4 Vehicle #2					Phase 1	0.137	0.457	0.138	558.63	0.053	0.087	0.192	0.002
IUG4 Vehicle #2					Phase 2	0.012	0.012	0.001	493.79	0.003	0.010	0.004	0.001
IUG4 Vehicle #2					Phase 3	0.014	0.008	0.020	418.42	0.003	0.012	0.022	0.001
IUG4 Vehicle #2	FTP75	102471	08/15/24	11:09:29	Total / Weighted Results	0.038	0.103	0.034	486.51	0.013	0.026	0.048	0.001
IUG4 Vehicle #2					Phase 2	0.004	0.006	0.000	298.98	0.002	0.002	0.002	0.001
IUG4 Vehicle #2	HWFET	102482	08/15/24	12:22:04	Total / Weighted Results	0.004	0.006	0.000	298.98	0.002	0.002	0.002	0.001
IUG4 Vehicle #2					Phase 2	0.005	0.237	0.028	489.90	0.002	0.003	0.029	0.001
IUG4 Vehicle #2	US06	102503	08/15/24	13:21:16	Total / Weighted Results	0.005	0.237	0.028	489.90	0.002	0.003	0.029	0.001
IUG4 Vehicle #2					Phase 2	0.003	0.009	0.016	301.02	0.001	0.002	0.017	0.001
IUG4 Vehicle #2	HWFET	102537	08/16/24	12:19:57	Total / Weighted Results	0.003	0.009	0.016	301.02	0.001	0.002	0.017	0.001
IUG4 Vehicle #2					Phase 2	0.004	0.007	0.025	493.30	0.002	0.003	0.027	0.001
IUG4 Vehicle #2	US06	102558	08/16/24	13:16:30	Total / Weighted Results	0.004	0.007	0.025	493.30	0.002	0.003	0.027	0.001
IUG4 Vehicle #2					Phase 1	0.132	0.610	0.130	577.10	0.049	0.087	0.179	0.001
IUG4 Vehicle #2					Phase 2	0.012	0.009	0.003	478.20	0.003	0.009	0.006	0.000
IUG4 Vehicle #2					Phase 3	0.014	0.005	0.018	450.96	0.001	0.013	0.019	0.001
IUG4 Vehicle #2	FTP75	102581	08/20/24	10:23:58	Total / Weighted Results	0.037	0.132	0.033	491.20	0.012	0.026	0.045	0.001
IUG4 Vehicle #2					Phase 2	0.001	0.004	0.031	328.90	0.000	0.002	0.031	0.001
IUG4 Vehicle #2	HWFET	102592	08/20/24	11:41:33	Total / Weighted Results	0.001	0.004	0.031	328.90	0.000	0.002	0.031	0.001
IUG4 Vehicle #2					Phase 2	0.003	0.073	0.035	514.83	0.001	0.002	0.035	0.001
IUG4 Vehicle #2	US06	102613	08/20/24	12:38:02	Total / Weighted Results	0.003	0.073	0.035	514.83	0.001	0.002	0.035	0.001
IUG4 Vehicle #2					Phase 1	0.135	0.625	0.144	546.57	0.052	0.087	0.196	0.001
IUG4 Vehicle #2					Phase 2	0.012	0.011	0.002	448.89	0.001	0.011	0.003	0.000
IUG4 Vehicle #2					Phase 3	0.038	0.009	0.013	433.09	0.005	0.035	0.017	0.001
IUG4 Vehicle #2	FTP75	102636	08/21/24	11:04:08	Total / Weighted Results	0.044	0.138	0.034	464.80	0.012	0.034	0.047	0.001
IUG4 Vehicle #2					Phase 2	0.003	0.006	0.004	298.82	0.000	0.002	0.004	0.001
IUG4 Vehicle #2	HWFET	102647	08/21/24	12:32:39	Total / Weighted Results	0.003	0.006	0.004	298.82	0.000	0.002	0.004	0.001
IUG4 Vehicle #2					Phase 2	0.003	0.016	0.023	492.94	0.001	0.003	0.024	0.001
IUG4 Vehicle #2	US06	102667	08/21/24	13:29:53	Total / Weighted Results	0.003	0.016	0.023	492.94	0.001	0.003	0.024	0.001
IUG4 Vehicle #2					Phase 1	0.125	0.577	0.135	549.05	0.047	0.081	0.181	0.001
IUG4 Vehicle #2					Phase 2	0.009	0.009	0.001	477.05	0.000	0.010	0.001	0.000
IUG4 Vehicle #2					Phase 3	0.012	0.008	0.001	425.49	0.000	0.012	0.001	0.001
IUG4 Vehicle #2					Phase 4	0.012	0.008	0.001	426.88	0.000	0.012	0.001	0.001
IUG4 Vehicle #2					Phase 5	0.013	0.010	0.001	428.16	0.001	0.012	0.002	0.002
IUG4 Vehicle #2					Phase 6	0.012	0.008	0.001	427.53	0.000	0.012	0.001	0.001
IUG4 Vehicle #2					Phase 7	0.012	0.009	0.000	426.71	0.000	0.012	0.001	0.001
IUG4 Vehicle #2	Special Cycle A - Cold	102691	08/22/24	10:19:26	Total / Weighted Results	0.027	0.085	0.019	450.59	0.007	0.021	0.025	0.001
IUG4 Vehicle #2					Phase 2	0.002	0.009	0.002	406.39	0.000	0.003	0.002	0.001
IUG4 Vehicle #2					Phase 3	0.008	0.012	0.001	430.84	0.000	0.008	0.001	0.002
IUG4 Vehicle #2					Phase 4	0.011	0.013	0.001	433.16	0.001	0.011	0.001	0.002
IUG4 Vehicle #2					Phase 5	0.010	0.012	0.001	427.56	0.000	0.010	0.001	0.002
IUG4 Vehicle #2					Phase 6	0.010	0.014	0.002	425.08	0.001	0.010	0.002	0.002
IUG4 Vehicle #2					Phase 7	0.011	0.013	0.001	431.00	0.001	0.011	0.002	0.002
IUG4 Vehicle #2					Phase 8	0.010	0.013	0.001	429.37	0.001	0.010	0.002	0.001
IUG4 Vehicle #2	Special Cycle A - Hot	102717	08/22/24	12:39:26	Total / Weighted Results	0.009	0.012	0.001	426.40	0.000	0.009	0.002	0.002

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.”