

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
IUG5 Vehicle #3	Transfer LATC to L.A. Downtown / DT0	105754	08/16/23	11:36:00	DT0	0.082	0.385	0.068	349.41	0.080	0.002	0.148	
IUG5 Vehicle #3	Urban Downtown L.A. Route/ DT1	105773	08/16/23	12:08:00	DT1	0.037	0.268	0.048	551.66	0.036	0.001	0.085	
IUG5 Vehicle #3	PEMS Urban/Downtown L.A. Route				Total / Weighted Results	0.061	0.331	0.059	442.49	0.060	0.002	0.119	
IUG5 Vehicle #3	Transfer LATC to ARB / Combined Route-A0	106228	08/24/23	09:24:00	A0	0.036	0.188	0.038	306.22	0.035	0.001	0.073	
IUG5 Vehicle #3	Freeway East / Combined Route-A1	106252	08/24/23	10:05:00	A1	0.004	0.042	0.009	289.05	0.004	0.000	0.013	
IUG5 Vehicle #3	Uphill / Combined Route-A2	106279	08/24/23	10:36:00	A2	0.005	0.074	0.007	568.48	0.005	0.000	0.013	
IUG5 Vehicle #3	Downhill / Combined Route-B1	106296	08/24/23	11:09:00	B1	0.042	0.174	0.047	192.73	0.041	0.001	0.088	
IUG5 Vehicle #3	Freeway West / Combined Route-B2	106314	08/24/23	11:45:00	B2	0.005	0.037	0.014	234.87	0.005	0.000	0.019	
IUG5 Vehicle #3	PEMS Combined Route				Total / Weighted Results	0.017	0.097	0.022	305.79	0.017	0.000	0.039	
IUG5 Vehicle #3					Phase 1	0.100	0.417	0.122	447.83	0.067	0.034	0.189	0.023
IUG5 Vehicle #3					Phase 2	0.019	0.007	0.000	377.38	0.003	0.017	0.003	0.020
IUG5 Vehicle #3					Phase 3	0.032	0.004	0.024	342.83	0.008	0.025	0.033	0.018
IUG5 Vehicle #3	FTP75	106456	08/30/23	07:17:55	Total / Weighted Results	0.040	0.091	0.032	382.48	0.017	0.023	0.050	0.020
IUG5 Vehicle #3					Phase 2	0.004	0.004	0.000	224.64	0.000	0.004	0.000	0.010
IUG5 Vehicle #3	HWFET	106468	08/30/23	08:26:57	Total / Weighted Results	0.004	0.004	0.000	224.64	0.000	0.004	0.000	0.010
IUG5 Vehicle #3					Phase 2	0.003	0.004	0.000	351.76	0.000	0.003	0.001	0.012
IUG5 Vehicle #3	US06	106488	08/30/23	09:25:45	Total / Weighted Results	0.003	0.004	0.000	351.76	0.000	0.003	0.001	0.012
IUG5 Vehicle #3					Phase 1	0.108	0.480	0.117	456.46	0.073	0.036	0.190	0.023
IUG5 Vehicle #3					Phase 2	0.018	0.009	0.001	379.75	0.002	0.017	0.002	0.019
IUG5 Vehicle #3					Phase 3	0.030	0.005	0.026	338.22	0.006	0.024	0.033	0.018
IUG5 Vehicle #3	FTP75	106512	08/31/23	07:24:06	Total / Weighted Results	0.040	0.106	0.032	384.26	0.018	0.023	0.050	0.019
IUG5 Vehicle #3					Phase 2	0.004	0.004	0.000	216.32	0.000	0.004	0.000	0.010
IUG5 Vehicle #3	HWFET	106524	08/31/23	08:39:03	Total / Weighted Results	0.004	0.004	0.000	216.32	0.000	0.004	0.000	0.010
IUG5 Vehicle #3					Phase 2	0.003	0.004	0.000	349.48	0.000	0.003	0.000	0.012
IUG5 Vehicle #3	US06	106544	08/31/23	09:34:26	Total / Weighted Results	0.003	0.004	0.001	349.48	0.000	0.003	0.001	0.012
IUG5 Vehicle #3					Phase 1	0.106	0.524	0.126	455.61	0.070	0.037	0.196	0.023
IUG5 Vehicle #3					Phase 2	0.017	0.008	0.000	378.12	0.001	0.016	0.002	0.020
IUG5 Vehicle #3					Phase 3	0.031	0.006	0.029	340.90	0.007	0.025	0.036	0.018
IUG5 Vehicle #3	FTP75	106568	09/01/23	07:10:04	Total / Weighted Results	0.039	0.114	0.034	383.95	0.017	0.023	0.051	0.020
IUG5 Vehicle #3					Phase 2	0.003	0.005	0.000	213.34	0.000	0.004	0.000	0.010
IUG5 Vehicle #3	HWFET	106579	09/01/23	08:22:00	Total / Weighted Results	0.003	0.005	0.000	213.34	0.000	0.004	0.000	0.010
IUG5 Vehicle #3					Phase 2	0.002	0.004	0.001	348.33	0.000	0.003	0.001	0.012
IUG5 Vehicle #3	US06	106600	09/01/23	09:16:29	Total / Weighted Results	0.002	0.004	0.001	348.33	0.000	0.003	0.001	0.012
IUG5 Vehicle #3					Phase 1	0.095	0.485	0.122	424.93	0.063	0.033	0.185	0.021
IUG5 Vehicle #3					Phase 2	0.021	0.010	0.000	359.40	0.003	0.018	0.004	0.020
IUG5 Vehicle #3					Phase 3	0.018	0.009	0.000	347.48	0.002	0.017	0.002	0.020
IUG5 Vehicle #3					Phase 4	0.019	0.008	0.000	346.27	0.002	0.017	0.003	0.020
IUG5 Vehicle #3					Phase 5	0.020	0.011	0.001	340.42	0.004	0.018	0.004	0.022
IUG5 Vehicle #3					Phase 6	0.019	0.008	0.000	347.05	0.002	0.018	0.002	0.021
IUG5 Vehicle #3					Phase 7	0.020	0.008	0.000	339.03	0.003	0.018	0.004	0.022
IUG5 Vehicle #3	Special Cycle A - Cold	106624	09/06/23	07:18:24	Total / Weighted Results	0.030	0.073	0.017	357.14	0.011	0.020	0.028	0.021
IUG5 Vehicle #3					Phase 3	0.006	0.008	0.000	298.93	0.001	0.005	0.001	0.020
IUG5 Vehicle #3					Phase 4	0.017	0.011	0.002	339.58	0.003	0.015	0.005	0.023
IUG5 Vehicle #3					Phase 5	0.018	0.013	0.004	336.46	0.004	0.015	0.008	0.023
IUG5 Vehicle #3					Phase 6	0.019	0.011	0.004	336.63	0.003	0.017	0.007	0.022
IUG5 Vehicle #3					Phase 7	0.020	0.014	0.004	337.54	0.004	0.017	0.008	0.022
IUG5 Vehicle #3					Phase 8	0.020	0.010	0.003	333.52	0.004	0.016	0.008	0.022
IUG5 Vehicle #3					Phase 9	0.020	0.013	0.006	333.07	0.004	0.017	0.010	0.022
IUG5 Vehicle #3	Special Cycle A - Hot	106651	09/06/23	09:35:59	Total / Weighted Results	0.017	0.011	0.003	331.13	0.003	0.015	0.007	0.022

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.”