

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 #3					Phase 1	0.042	0.299	0.252	585.71	0.025	0.018	0.277	0.035
IUG3 Vehicle #3					Phase 2	0.014	0.013	0.006	482.41	0.009	0.005	0.016	0.036
IUG3 Vehicle #3					Phase 3	0.016	0.071	0.076	485.87	0.008	0.009	0.083	0.037
IUG3 Vehicle #3	FTP75	105351	06/24/22	07:09:40	Total / Weighted Results	0.021	0.088	0.076	504.77	0.012	0.009	0.088	0.036
IUG3 Vehicle #3					Phase 2	0.004	0.009	0.001	367.74	0.004	0.000	0.005	0.025
IUG3 Vehicle #3	HWFET	105362	06/24/22	08:12:55	Total / Weighted Results	0.004	0.009	0.001	367.74	0.004	0.000	0.005	0.025
IUG3 Vehicle #3					Phase 2	0.003	0.009	0.097	548.39	0.003	0.000	0.100	0.031
IUG3 Vehicle #3	US06HW	105383	06/24/22	09:13:14	Total / Weighted Results	0.003	0.009	0.097	548.39	0.003	0.000	0.100	0.031
IUG3 Vehicle #3					Phase 1	0.039	0.278	0.244	573.87	0.023	0.017	0.266	0.032
IUG3 Vehicle #3					Phase 2	0.012	0.013	0.006	494.74	0.008	0.005	0.014	0.039
IUG3 Vehicle #3					Phase 3	0.011	0.011	0.109	483.22	0.005	0.006	0.114	0.037
IUG3 Vehicle #3	FTP75	105403	06/28/22	09:09:24	Total / Weighted Results	0.017	0.067	0.084	507.97	0.010	0.008	0.094	0.037
IUG3 Vehicle #3					Phase 2	0.004	0.009	0.020	368.95	0.004	0.000	0.023	0.019
IUG3 Vehicle #3	HWFET	105414	06/28/22	10:23:17	Total / Weighted Results	0.004	0.009	0.020	368.95	0.004	0.000	0.023	0.019
IUG3 Vehicle #3					Phase 2	0.004	0.011	0.138	540.07	0.003	0.001	0.141	0.032
IUG3 Vehicle #3	US06HW	105435	06/28/22	11:28:34	Total / Weighted Results	0.004	0.011	0.138	540.07	0.003	0.001	0.142	0.032
IUG3 Vehicle #3					Phase 1	0.043	0.418	0.227	577.65	0.024	0.020	0.251	0.033
IUG3 Vehicle #3					Phase 2	0.010	0.014	0.002	490.16	0.005	0.005	0.007	0.033
IUG3 Vehicle #3					Phase 3	0.008	0.010	0.116	487.13	0.003	0.005	0.119	0.033
IUG3 Vehicle #3	FTP75	105474	06/30/22	07:23:00	Total / Weighted Results	0.016	0.097	0.080	507.50	0.009	0.008	0.089	0.033
IUG3 Vehicle #3					Phase 2	0.002	0.010	0.000	383.79	0.002	0.000	0.002	0.026
IUG3 Vehicle #3	HWFET	105485	06/30/22	08:26:52	Total / Weighted Results	0.002	0.010	0.000	383.79	0.002	0.000	0.002	0.026
IUG3 Vehicle #3					Phase 2	0.001	0.009	0.056	562.51	0.001	0.000	0.057	0.031
IUG3 Vehicle #3	US06HW	105506	06/30/22	09:23:17	Total / Weighted Results	0.001	0.009	0.056	562.51	0.001	0.000	0.057	0.031
IUG3 Vehicle #3					Phase 1	0.036	0.357	0.232	568.08	0.017	0.019	0.249	0.032
IUG3 Vehicle #3					Phase 2	0.005	0.014	0.003	492.46	0.000	0.005	0.003	0.034
IUG3 Vehicle #3					Phase 3	0.004	0.014	0.011	485.33	0.000	0.006	0.011	0.029
IUG3 Vehicle #3					Phase 4	0.005	0.015	0.011	481.54	0.000	0.006	0.011	0.029
IUG3 Vehicle #3					Phase 5	0.005	0.015	0.016	480.14	0.000	0.006	0.016	0.030
IUG3 Vehicle #3					Phase 6	0.005	0.013	0.028	482.85	0.000	0.006	0.028	0.031
IUG3 Vehicle #3					Phase 7	0.005	0.014	0.031	482.41	0.000	0.006	0.031	0.031
IUG3 Vehicle #3	Special Cycle A - Cold	105526	07/01/22	07:12:54	Total / Weighted Results	0.009	0.060	0.046	495.39	0.002	0.008	0.048	0.031
IUG3 Vehicle #3					Phase 3	0.003	0.015	0.083	513.51	0.001	0.002	0.084	0.066
IUG3 Vehicle #3					Phase 4	0.006	0.022	0.056	523.20	0.000	0.004	0.056	0.081
IUG3 Vehicle #3					Phase 5	0.008	0.017	0.080	520.65	0.000	0.005	0.080	0.050
IUG3 Vehicle #3					Phase 6	0.008	0.015	0.077	516.06	0.000	0.005	0.077	0.049
IUG3 Vehicle #3					Phase 7	0.005	0.021	0.079	511.81	0.000	0.005	0.079	0.047
IUG3 Vehicle #3					Phase 8	0.005	0.015	0.072	511.50	0.000	0.005	0.072	0.048
IUG3 Vehicle #3					Phase 9	0.006	0.020	0.064	510.43	0.000	0.005	0.064	0.045
IUG3 Vehicle #3	Special Cycle A - Hot	105646	07/06/22	09:38:43	Total / Weighted Results	0.006	0.018	0.073	515.32	0.000	0.005	0.073	0.055
IUG3 Vehicle #3	Transfer LATC to L.A. Downtown / DT0	105699	07/12/22	10:40:00	DT0	0.012	0.121	0.146	472.19	0.012	0.000	0.158	
IUG3 Vehicle #3	Urban Downtown L.A. Route/ DT1	105718	07/12/22	11:11:00	DT1	0.008	0.000	0.033	459.10	0.008	0.000	0.041	
IUG3 Vehicle #3	PEMS Urban/Downtown L.A. Route				Total / Weighted Results	0.010	0.067	0.095	466.28	0.010	0.000	0.105	
IUG3 Vehicle #3	Transfer LATC to ARB / Combined Route-A0	106035	07/21/22	11:01:00	A0	0.010	0.092	0.058	393.76	0.010	0.000	0.068	
IUG3 Vehicle #3	Freeway East / Combined Route-A1	106059	07/21/22	11:39:00	A1	0.002	0.000	0.100	405.28	0.002	0.000	0.102	
IUG3 Vehicle #3	Uphill / Combined Route-A2	106087	07/21/22	12:15:00	A2	0.005	0.000	0.184	694.81	0.005	0.000	0.189	
IUG3 Vehicle #3	Downhill / Combined Route-B1	106104	07/21/22	12:59:00	B1	0.025	0.285	0.071	253.76	0.024	0.001	0.095	
IUG3 Vehicle #3	Freeway West / Combined Route-B2	106121	07/21/22	13:38:00	B2	0.002	0.000	0.052	381.75	0.002	0.000	0.053	
IUG3 Vehicle #3	PEMS Combined Route				Total / Weighted Results	0.008	0.064	0.087	416.19	0.008	0.000	0.095	

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.”