

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 #3					Phase 1	0.129	0.379	0.121	567.04	0.043	0.091	0.164	0.020
IUG4 Vehicle #3					Phase 2	0.029	0.009	0.000	471.24	0.011	0.019	0.011	0.020
IUG4 Vehicle #3					Phase 3	0.035	0.009	0.012	424.98	0.008	0.028	0.020	0.021
IUG4 Vehicle #3	FTP75	107429	07/12/22	09:18:28	Total / Weighted Results	0.051	0.086	0.029	478.39	0.017	0.036	0.045	0.020
IUG4 Vehicle #3					Phase 2	0.008	0.008	0.000	299.28	0.005	0.003	0.005	0.007
IUG4 Vehicle #3	HWFET	107440	07/12/22	10:22:59	Total / Weighted Results	0.008	0.008	0.000	299.28	0.005	0.003	0.005	0.007
IUG4 Vehicle #3					Phase 2	0.007	0.011	0.001	488.26	0.004	0.003	0.005	0.015
IUG4 Vehicle #3	US06	107460	07/12/22	11:18:05	Total / Weighted Results	0.007	0.011	0.001	488.26	0.004	0.003	0.005	0.015
IUG4 Vehicle #3					Phase 1	0.124	0.352	0.126	582.78	0.037	0.093	0.163	0.020
IUG4 Vehicle #3					Phase 2	0.026	0.013	0.000	475.40	0.008	0.019	0.008	0.020
IUG4 Vehicle #3					Phase 3	0.028	0.009	0.014	436.88	0.006	0.023	0.020	0.022
IUG4 Vehicle #3	FTP75	107484	07/13/22	09:37:34	Total / Weighted Results	0.047	0.083	0.030	487.07	0.013	0.036	0.043	0.021
IUG4 Vehicle #3					Phase 2	0.007	0.008	0.000	297.34	0.003	0.004	0.003	0.007
IUG4 Vehicle #3	HWFET	107495	07/13/22	10:41:33	Total / Weighted Results	0.007	0.008	0.000	297.34	0.003	0.004	0.003	0.007
IUG4 Vehicle #3					Phase 2	0.006	0.078	0.001	493.43	0.003	0.003	0.004	0.018
IUG4 Vehicle #3	US06	107515	07/13/22	11:31:33	Total / Weighted Results	0.006	0.078	0.001	493.43	0.003	0.003	0.004	0.018
IUG4 Vehicle #3					Phase 1	0.123	0.352	0.134	573.42	0.037	0.091	0.171	0.025
IUG4 Vehicle #3					Phase 2	0.023	0.013	0.002	474.29	0.006	0.018	0.008	0.031
IUG4 Vehicle #3					Phase 3	0.041	0.010	0.011	433.92	0.006	0.037	0.017	0.031
IUG4 Vehicle #3	FTP75	107587	07/14/22	07:10:32	Total / Weighted Results	0.049	0.083	0.032	483.76	0.013	0.038	0.044	0.030
IUG4 Vehicle #3					Phase 2	0.006	0.029	0.000	296.32	0.003	0.004	0.003	0.010
IUG4 Vehicle #3	HWFET	107598	07/14/22	08:25:56	Total / Weighted Results	0.006	0.029	0.000	296.32	0.003	0.004	0.003	0.010
IUG4 Vehicle #3					Phase 2	0.005	0.052	0.004	484.30	0.002	0.003	0.006	0.021
IUG4 Vehicle #3	US06	107618	07/14/22	09:13:55	Total / Weighted Results	0.005	0.051	0.004	484.30	0.002	0.003	0.006	0.021
IUG4 Vehicle #3					Phase 1	0.134	0.359	0.136	584.36	0.026	0.110	0.162	0.022
IUG4 Vehicle #3					Phase 2	0.016	0.013	0.000	485.34	0.000	0.017	0.000	0.023
IUG4 Vehicle #3					Phase 3	0.020	0.011	0.000	444.69	0.000	0.020	0.000	0.025
IUG4 Vehicle #3					Phase 4	0.021	0.013	0.000	425.43	0.000	0.022	0.000	0.025
IUG4 Vehicle #3					Phase 5	0.023	0.013	0.000	419.90	0.000	0.023	0.000	0.024
IUG4 Vehicle #3					Phase 6	0.021	0.011	0.000	417.81	0.000	0.023	0.000	0.024
IUG4 Vehicle #3					Phase 7	0.021	0.011	0.000	422.28	0.000	0.022	0.000	0.022
IUG4 Vehicle #3	Special Cycle A - Cold	107642	07/15/22	07:21:51	Total / Weighted Results	0.036	0.059	0.018	455.83	0.004	0.033	0.022	0.024
IUG4 Vehicle #3					Phase 3	0.006	0.014	0.000	379.22	0.000	0.005	0.000	0.023
IUG4 Vehicle #3					Phase 4	0.014	0.015	0.000	413.68	0.000	0.015	0.000	0.042
IUG4 Vehicle #3					Phase 5	0.017	0.019	0.000	422.71	0.000	0.017	0.000	0.028
IUG4 Vehicle #3					Phase 6	0.017	0.018	0.000	423.49	0.000	0.017	0.000	0.027
IUG4 Vehicle #3					Phase 7	0.017	0.016	0.000	424.53	0.000	0.017	0.000	0.026
IUG4 Vehicle #3					Phase 8	0.016	0.018	0.000	427.10	0.000	0.017	0.000	0.027
IUG4 Vehicle #3					Phase 9	0.016	0.016	0.000	423.04	0.000	0.016	0.000	0.025
IUG4 Vehicle #3	Special Cycle A - Hot	107669	07/15/22	09:35:54	Total / Weighted Results	0.015	0.017	0.000	416.63	0.000	0.015	0.000	0.028
IUG4 Vehicle #3	Transfer LATC to L.A. Downtown / DT0	107966	08/09/22	11:07:00	DT0	0.035	0.203	0.064	446.29	0.034	0.001	0.098	
IUG4 Vehicle #3	Urban Downtown L.A. Route/ DT1	107985	08/09/22	11:37:00	DT1	0.012	0.091	0.033	590.86	0.012	0.000	0.046	
IUG4 Vehicle #3	PEMS Urban/Downtown L.A. Route				Total / Weighted Results	0.025	0.153	0.050	511.74	0.024	0.001	0.074	
IUG4 Vehicle #3	Transfer LATC to ARB / Combined Route-A0	108302	08/17/22	09:55:00	A0	0.028	0.248	0.042	389.83	0.028	0.001	0.070	
IUG4 Vehicle #3	Freeway East / Combined Route-A1	108326	08/17/22	10:29:00	A1	0.004	0.046	0.021	396.25	0.004	0.000	0.025	
IUG4 Vehicle #3	Uphill / Combined Route-A2	108353	08/17/22	11:03:00	A2	0.006	0.667	0.086	785.93	0.006	0.000	0.093	
IUG4 Vehicle #3	Downhill / Combined Route-B1	108370	08/17/22	11:40:00	B1	0.043	0.450	0.052	253.01	0.042	0.001	0.094	
IUG4 Vehicle #3	Freeway West / Combined Route-B2	108387	08/17/22	12:11:00	B2	0.005	0.056	0.066	332.88	0.005	0.000	0.071	
IUG4 Vehicle #3	PEMS Combined Route				Total / Weighted Results	0.016	0.246	0.051	414.69	0.015	0.000	0.066	

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.”