

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
IUG2 Vehicle #2	FTP75	100690	04/14/22	13:09	Phase 1	0.079	0.2	0.12	434.10	0.028	0.053	0.15	0.017
					Phase 2	0.011	0.0	0.01	344.55	0.003	0.009	0.01	0.014
					Phase 3	0.017	0.0	0.04	330.78	0.003	0.015	0.05	0.017
					Total / Weighted Results	0.027	0.1	0.04	359.32	0.008	0.020	0.05	0.016
IUG2 Vehicle #2	HWFET	100701	04/14/22	14:20	Phase 2	0.000	0.0	0.01	234.00	0.000	0.001	0.01	0.008
					Total / Weighted Results	0.000	0.0	0.01	234.00	0.000	0.001	0.01	0.008
IUG2 Vehicle #2	US06	100722	04/14/22	15:14	Phase 2	0.000	0.0	0.01	364.40	0.000	0.000	0.01	0.015
					Total / Weighted Results	0.000	0.0	0.01	364.40	0.000	0.000	0.01	0.015
IUG2 Vehicle #2	FTP75	100745	04/15/22	12:41	Phase 1	0.089	0.3	0.11	437.78	0.033	0.058	0.15	0.018
					Phase 2	0.013	0.0	0.00	352.17	0.003	0.011	0.01	0.015
					Phase 3	0.019	0.0	0.03	330.61	0.004	0.016	0.03	0.015
					Total / Weighted Results	0.030	0.1	0.03	363.99	0.010	0.022	0.04	0.016
IUG2 Vehicle #2	HWFET	100757	04/15/22	13:48	Phase 2	0.000	0.0	0.00	232.08	0.000	0.001	0.00	0.006
					Total / Weighted Results	0.000	0.0	0.00	232.08	0.000	0.001	0.00	0.006
IUG2 Vehicle #2	FTP75	100822	04/19/22	9:23	Phase 1	0.110	0.2	0.11	425.99	0.060	0.053	0.17	0.021
					Phase 2	0.026	0.0	0.01	361.70	0.017	0.009	0.03	0.023
					Phase 3	0.030	0.0	0.02	321.44	0.016	0.015	0.03	0.023
					Total / Weighted Results	0.045	0.1	0.03	363.97	0.026	0.020	0.06	0.023
IUG2 Vehicle #2	HWFET	100833	04/19/22	10:31	Phase 2	0.010	0.0	0.01	233.26	0.009	0.001	0.02	0.010
					Total / Weighted Results	0.010	0.0	0.01	233.26	0.009	0.001	0.02	0.010
IUG2 Vehicle #2	US06	100853	04/19/22	11:24	Phase 2	0.009	0.0	0.02	354.75	0.008	0.001	0.02	0.016
					Total / Weighted Results	0.009	0.0	0.02	354.75	0.008	0.001	0.02	0.016
IUG2 Vehicle #2	FTP75	100877	04/20/22	7:43	Phase 1	0.094	0.3	0.11	435.03	0.039	0.058	0.15	0.018
					Phase 2	0.020	0.0	0.00	399.02	0.013	0.008	0.02	0.021
					Phase 3	0.028	0.0	0.02	334.96	0.010	0.019	0.03	0.019
					Total / Weighted Results	0.038	0.1	0.03	388.87	0.018	0.021	0.05	0.020
IUG2 Vehicle #2	HWFET	100888	04/20/22	8:47	Phase 2	0.008	0.0	0.01	231.94	0.007	0.001	0.01	0.010
					Total / Weighted Results	0.008	0.0	0.01	231.94	0.007	0.001	0.01	0.010
IUG2 Vehicle #2	US06	100909	04/20/22	9:38	Phase 2	0.008	0.0	0.02	356.25	0.007	0.001	0.03	0.016
					Total / Weighted Results	0.008	0.0	0.02	356.25	0.007	0.001	0.03	0.016
IUG2 Vehicle #2	Special Cycle A - Cold	100932	04/21/22	9:17	Phase 1	0.091	0.2	0.11	436.47	0.042	0.050	0.16	0.020
					Phase 2	0.008	0.0	0.00	384.16	0.000	0.008	0.00	0.019
					Phase 3	0.010	0.0	0.00	335.41	0.000	0.010	0.00	0.022
					Phase 4	0.009	0.0	0.00	332.85	0.000	0.008	0.00	0.020
					Phase 5	0.009	0.0	0.00	338.69	0.001	0.009	0.00	0.019
					Phase 6	0.009	0.0	0.00	336.43	0.000	0.009	0.00	0.020
					Phase 7	0.009	0.0	0.00	339.77	0.000	0.009	0.00	0.022
					Total / Weighted Results	0.020	0.0	0.02	356.86	0.006	0.014	0.02	0.020
					Phase 3	0.003	0.0	0.00	295.58	0.000	0.002	0.00	0.024
IUG2 Vehicle #2	Special Cycle A - Hot	100959	04/21/22	11:24	Phase 4	0.009	0.0	0.00	329.70	0.000	0.007	0.00	0.029
					Phase 5	0.011	0.0	0.00	337.78	0.000	0.010	0.00	0.021
					Phase 6	0.011	0.0	0.00	339.34	0.000	0.010	0.00	0.019
					Phase 7	0.012	0.0	0.00	340.61	0.000	0.011	0.00	0.020
					Phase 8	0.011	0.0	0.01	338.56	0.000	0.010	0.01	0.018
					Phase 9	0.012	0.0	0.01	338.45	0.000	0.011	0.01	0.019
					Total / Weighted Results	0.010	0.0	0.00	331.79	0.000	0.009	0.00	0.021
					Phase 1	0.071	0.2	0.12	429.43	0.024	0.047	0.14	0.020
					Phase 2	0.009	0.0	0.00	358.80	0.000	0.009	0.00	0.019
IUG2 Vehicle #2	Special Cycle A - Cold	101010	04/22/22	7:15	Phase 3	0.010	0.0	0.00	334.60	0.000	0.009	0.00	0.018
					Phase 4	0.009	0.0	0.01	335.21	0.000	0.009	0.01	0.018
					Phase 5	0.009	0.0	0.01	336.72	0.000	0.008	0.01	0.018
					Phase 6	0.009	0.0	0.01	335.69	0.000	0.009	0.01	0.018
					Phase 7	0.009	0.0	0.01	336.60	0.000	0.009	0.01	0.020
					Total / Weighted Results	0.017	0.0	0.02	351.64	0.003	0.014	0.02	0.019
					DT0	0.013	0.0	0.06	348.57	0.013	0.000	0.07	
					DT1	0.007	0.0	0.03	431.90	0.007	0.000	0.04	
					Total / Weighted Results	0.010	0.0	0.04	386.96	0.010	0.000	0.05	
IUG2 Vehicle #2	PEMS DT Route	101089	05/11/22	11:30	A0	0.014	0.1	0.04	302.66	0.014	0.000	0.05	
					A1	0.000	0.0	0.02	294.15	0.000	0.000	0.02	
					A2	0.000	0.0	0.12	556.90	0.000	0.000	0.12	
					B1	0.012	0.1	0.05	195.40	0.012	0.000	0.07	
					B2	0.000	0.0	0.01	257.31	0.000	0.000	0.01	
					Total / Weighted Results	0.005	0.0	0.04	311.22	0.005	0.000	0.05	
IUG2 Vehicle #2	PEMS Combined Route	101107	05/11/22	11:55	A0	0.014	0.1	0.04	302.66	0.014	0.000	0.05	
					A1	0.000	0.0	0.02	294.15	0.000	0.000	0.02	
					A2	0.000	0.0	0.12	556.90	0.000	0.000	0.12	
					B1	0.012	0.1	0.05	195.40	0.012	0.000	0.07	
					B2	0.000	0.0	0.01	257.31	0.000	0.000	0.01	
					Total / Weighted Results	0.005	0.0	0.04	311.22	0.005	0.000	0.05	

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 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."