

# MOVES Decoder 20180517

## Source Type - sourcetypeid

ID	sourcetypeName
11	Motorcycle
21	Passenger Car
31	Passenger Truck
32	Light Commercial Truck
41	Intercity Bus
42	Transit Bus
43	School Bus
51	Refuse Truck
52	Single Unit Short-haul Truck
53	Single Unit Long-haul Truck
54	Motor Home
61	Combination Short-haul Truck
62	Combination Long-haul Truck

## Road Type - roadtypeid

ID	roaddesc
1	Off-Network
2	Rural Restricted
3	Rural Unrestricted
4	Urban Restricted
5	Urban Unrestricted
6	Rural Restricted w/o ramps
7	Urban Restricted w/o ramps
8	Rural Restricted Ramps
9	Urban Restricted Ramps

## Pollutant - pollutantid

ID	pollutantname	ID	pollutantname
1	Total Gaseous Hydrocarbons	79	Non-Methane Hydrocarbons
2	Carbon Monoxide (CO)	80	Non-Methane Organic Gases
3	Oxides of Nitrogen (NOx)		
5	Methane (CH4)	81	Fluorene particle
6	Nitrous Oxide (N2O)	82	Indeno(1,2,3,c,d)pyrene particle
		83	Phenanthrene particle
20	Benzene	84	Pyrene particle
21	Ethanol		
22	MTBE	86	Total Organic Gases
23	Naphthalene particle	87	Volatile Organic Compounds
24	1,3-Butadiene	88	NonHAPTOG
25	Formaldehyde		
26	Acetaldehyde	90	Atmospheric CO2
27	Acrolein	91	Total Energy Consumption
		92	Petroleum Energy Consumption
30	Ammonia (NH3)	93	Fossil Fuel Energy Consumption
31	Sulfur Dioxide (SO2)	98	CO2 Equivalent
32	Nitrogen Oxide (NO)	99	Brake Specific Fuel Consumption (BSFC)
33	Nitrogen Dioxide (NO2)		
34	Nitrous Acid (HONO)	100	Primary Exhaust PM10 - Total
35	Nitrate (NO3)	106	Primary PM10 - Brakewear Particulate
36	Ammonium (NH4)	107	Primary PM10 - Tirewear Particulate
		110	Primary Exhaust PM2.5 - Total
40	2,2,4-Trimethylpentane	111	Organic Carbon
41	Ethyl Benzene	112	Elemental Carbon
42	Hexane	115	Sulfate Particulate
43	Propionaldehyde	116	Primary PM2.5 - Brakewear Particulate
44	Styrene	117	Primary PM2.5 - Tirewear Particulate
45	Toluene	118	Composite - NonECPM
46	Xylene	119	H2O (aerosol)
		120	Primary PM2.5 - NonECNonSO4PM
51	Chloride	121	CMAQ5.0 Unspeciated (PMOTHR)
52	Sodium	122	Non-carbon Organic Matter (NCOM)
53	Potassium		
54	Magnesium	168	Dibenzo(a,h)anthracene gas
55	Calcium	169	Fluoranthene gas
56	Titanium	170	Acenaphthene gas
57	Silicon	171	Acenaphthylene gas
58	Aluminum	172	Anthracene gas
59	Iron	173	Benz(a)anthracene gas
60	Mercury Elemental Gaseous	174	Benzo(a)pyrene gas
61	Mercury Divalent Gaseous	175	Benzo(b)fluoranthene gas
62	Mercury Particulate	176	Benzo(g,h,i)perylene gas
63	Arsenic Compounds	177	Benzo(k)fluoranthene gas
65	Chromium 6+	178	Chrysene gas
66	Manganese Compounds		
67	Nickel Compounds	181	Fluorene gas
68	Dibenzo(a,h)anthracene particle	182	Indeno(1,2,3,c,d)pyrene gas
69	Fluoranthene particle	183	Phenanthrene gas
70	Acenaphthene particle	184	Pyrene gas
71	Acenaphthylene particle	185	Naphthalene gas
72	Anthracene particle		
73	Benzo(a)anthracene particle		
74	Benzo(a)pyrene particle		
75	Benzo(b)fluoranthene particle		
76	Benzo(g,h,i)perylene particle		
77	Benzo(k)fluoranthene particle		
78	Chrysene particle		

## Process - processid

ID	processName
1	Running Exhaust
2	Start Exhaust
9	Brakewear
10	Tirewear
11	Evap Permeation
12	Evap Fuel Vapor Venting
13	Evap Fuel Leaks
15	Crankcase Running Exhaust
16	Crankcase Start Exhaust
17	Crankcase Extended Idle Exhaust
18	Refueling Displacement Vapor Loss
19	Refueling Spillage Loss
90	Extended Idle Exhaust
91	Auxiliary Power Exhaust
99	Well-to-Pump

## Activity - activityTypeid

ID	Activity Description
1	Distance traveled
2	Source Hours
3	Extended Idle Hours
4	Source Hours Operating
5	Source Hours Parked
6	Population
7	Starts
9	Average Horsepower
10	Fraction Retrofitted
11	Number Units Retrofitted
12	Load Factor
13	Hotelling Diesel Aux
14	Hotelling Battery or AC
15	Hotelling All Engines Off

## Fuel Type - fuelTypeid

ID	regClassName
1	gas
2	diesel
3	CNG
4	LPG
5	E-85
9	electricity

## Operating Mode - OpMode ID

ID	OpMode
101	Soak Time <6 minutes
102	6 minutes <= Soak Time < 30 minutes
103	30 minutes <= Soak Time < 60 minutes
104	60 minutes <= Soak Time < 90 minutes
105	90 minutes <= Soak Time < 120 minutes
106	120 minutes <= Soak Time < 360 minutes
107	360 minutes <= Soak Time < 720 minutes
108	720 minutes <= Soak Time
200	Extended Idling
201	Auxiliary Power Units Use
203	Battery Power
204	Engine Off

## Day - dayID

ID	dayName
2	Weekend
5	Weekdays

## Regulatory Class - regClassID

ID	regClassName	regClassDesc
0	Doesn't Matter	Doesn't Matter
10	MC	Motorcycles
20	LDV	Light Duty Vehicles
30	LDT	Light Duty Trucks
40	LHD <= 10K	Class 2b Trucks w/ 2 Axles & 4 Tires (8,500 lbs < GVWR <= 10,000 lbs)
41	LHD <= 14k	Class 2b Trucks w/ 2 Axles & at least 6 Tires or Class 3 Trucks (8,500 lbs < GVWR <= 14,000 lbs)
42	LHD45	Light Heavy Duty (14K lbs < GVWR <= 19.5K lbs)
46	MHD	Medium Heavy Duty (19.5K lbs < GVWR <= 33K lbs)
47	HH	Heavy Heavy Duty (GVWR > 33K lbs)
48	Urban Bus	Urban Bus (see CFR Sec. 86.091_2)

