

Title : San Joaquin Valley Unified APCD Subarea 1999 AA
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : Fresno (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Urban Buses	Motor-cycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline Trucks	Diesel Trucks	Total Trucks					
Vehicles	14566.	225577.	1736.	241878.	14360.	144833.	4171.	163364.	3441.	28714.	1951.	34107.	2482.	6060.	8541.	10246.	18787.	527.	7168.	465831.
VMT/1000	233.	9048.	49.	9331.	333.	5739.	159.	6231.	62.	1231.	106.	1398.	38.	173.	211.	1122.	1333.	68.	47.	18408.
Trips	67931.	1432620.	10384.	1510940.	69485.	918955.	26269.	1014710.	64300.	319144.	22580.	406025.	62851.	83669.	146519.	147609.	294129.	2108.	14335.	3242240.
Reactive Organic Gas Emissions																				
Run Exh	1.31	2.88	0.01	4.21	1.86	2.30	0.03	4.18	0.43	0.87	0.04	1.35	0.34	0.37	0.71	0.97	1.68	0.31	0.22	11.95
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.06
Start Ex	0.39	2.43	0.00	2.81	0.38	1.70	0.00	2.08	0.53	0.55	0.00	1.08	0.89	0.27	1.16	0.00	1.16	0.01	0.05	7.20
Total Ex	1.70	5.31	0.01	7.03	2.24	4.00	0.03	6.27	0.96	1.43	0.04	2.43	1.24	0.65	1.88	1.02	2.90	0.32	0.27	19.21
Diurnal	0.15	0.56	0.00	0.70	0.14	0.38	0.00	0.51	0.01	0.07	0.00	0.08	0.00	0.00	0.01	0.00	0.01	0.00	0.04	1.34
Hot Soak	0.24	0.46	0.00	0.70	0.24	0.34	0.00	0.58	0.07	0.09	0.00	0.16	0.04	0.02	0.05	0.00	0.05	0.00	0.03	1.52
Running	1.41	2.75	0.00	4.17	0.93	1.64	0.00	2.57	0.54	0.50	0.00	1.05	0.31	0.14	0.44	0.00	0.44	0.01	0.18	8.41
Resting	0.06	0.19	0.00	0.25	0.06	0.13	0.00	0.19	0.01	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.49
Total	3.56	9.27	0.01	12.85	3.60	6.49	0.03	10.12	1.59	2.11	0.04	3.75	1.58	0.80	2.38	1.02	3.40	0.33	0.53	30.98
Carbon Monoxide Emissions																				
Run Exh	20.14	71.53	0.04	91.72	28.64	70.38	0.11	99.14	8.65	15.60	0.13	24.38	9.18	7.59	16.77	4.60	21.37	3.16	3.38	243.14
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.06	0.03	0.03	0.05	0.27	0.32	0.00	0.00	0.39
Start Ex	2.30	25.42	0.00	27.72	2.37	21.03	0.00	23.39	3.22	7.02	0.00	10.24	7.85	5.00	12.86	0.00	12.86	0.13	0.15	74.49
Total Ex	22.44	96.96	0.04	119.44	31.01	91.41	0.11	122.53	11.89	22.66	0.13	34.69	17.06	12.62	29.68	4.87	34.55	3.29	3.53	318.02
Oxides of Nitrogen Emissions																				
Run Exh	1.24	8.75	0.08	10.07	1.73	9.13	0.24	11.10	0.36	2.47	0.68	3.51	0.28	1.39	1.67	22.48	24.15	1.10	0.07	49.99
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.84	0.84	0.00	0.00	0.84
Start Ex	0.11	1.24	0.00	1.35	0.11	1.07	0.00	1.18	0.07	0.52	0.00	0.59	0.13	0.45	0.58	0.00	0.58	0.01	0.01	3.71
Total Ex	1.34	9.99	0.08	11.42	1.84	10.20	0.24	12.28	0.42	3.00	0.69	4.10	0.41	1.84	2.25	23.32	25.57	1.10	0.08	54.55
Carbon Dioxide Emissions (000)																				
Run Exh	0.12	3.78	0.02	3.92	0.17	2.77	0.06	3.01	0.05	0.96	0.06	1.07	0.03	0.13	0.15	2.45	2.60	0.13	0.01	10.74
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.00	0.00	0.05
Start Ex	0.01	0.12	0.00	0.14	0.02	0.09	0.00	0.11	0.01	0.03	0.00	0.04	0.01	0.00	0.02	0.00	0.02	0.00	0.00	0.31
Total Ex	0.14	3.91	0.02	4.06	0.19	2.87	0.06	3.12	0.06	0.99	0.06	1.11	0.04	0.13	0.17	2.49	2.66	0.13	0.01	11.09
PM10 Emissions																				
Run Exh	0.01	0.10	0.01	0.12	0.01	0.09	0.01	0.12	0.00	0.02	0.01	0.04	0.00	0.00	0.00	0.57	0.58	0.02	0.00	0.87
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.03
Start Ex	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Total Ex	0.01	0.11	0.01	0.13	0.01	0.10	0.01	0.13	0.00	0.03	0.01	0.04	0.00	0.00	0.00	0.60	0.61	0.02	0.00	0.93
TireWear	0.00	0.08	0.00	0.08	0.00	0.05	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.19
BrakeWr	0.00	0.13	0.00	0.13	0.00	0.08	0.00	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.02	0.02	0.02	0.00	0.00	0.25
Total	0.01	0.32	0.01	0.34	0.02	0.23	0.02	0.27	0.00	0.06	0.02	0.08	0.00	0.01	0.01	0.65	0.66	0.02	0.00	1.37
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOx	0.00	0.06	0.00	0.06	0.00	0.04	0.01	0.05	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.22	0.23	0.01	0.00	0.37
Fuel Consumption (000 gallons)																				
Gasoline	18.26	417.28	0.00	435.53	25.08	309.59	0.00	334.66	8.36	105.13	0.00	113.49	7.58	15.51	23.09	0.00	23.09	3.45	1.28	911.51
Diesel	0.00	0.00	1.81	1.81	0.00	0.00	5.55	5.55	0.00	0.00	5.71	5.71	0.00	0.00	0.00	224.25	224.25	9.56	0.00	246.88

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 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : Kern (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	- - - Light Duty Passenger Cars - - -				- - - - Light Duty Trucks - - - -				- - - - Medium Duty Trucks - - - -				- - - - Heavy Duty Trucks - - -			Urban Buses	Motor-cycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline Trucks	Diesel Trucks	Total Trucks					
Vehicles	9628.	146497.	991.	157116.	10305.	111507.	3572.	125384.	2227.	23244.	1846.	27317.	1826.	5710.	7536.	8449.	15985.	354.	6293.	332448.
VMT/1000	150.	6365.	30.	6545.	286.	4735.	150.	5171.	48.	1116.	119.	1282.	31.	178.	209.	1067.	1276.	52.	49.	14375.
Trips	44399.	931299.	5934.	981632.	49424.	708682.	22629.	780735.	40307.	286827.	21399.	348532.	35458.	78215.	113673.	119597.	233270.	1416.	12585.	2358170.

Reactive Organic Gas Emissions																				
Run Exh	0.91	2.04	0.01	2.95	1.72	1.93	0.02	3.67	0.34	0.83	0.05	1.22	0.28	0.39	0.66	1.04	1.70	0.27	0.24	10.06
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.04	0.05	0.00	0.00	0.06
Start Ex	0.26	1.60	0.00	1.86	0.28	1.29	0.00	1.57	0.33	0.46	0.00	0.79	0.53	0.25	0.78	0.00	0.78	0.01	0.05	5.06
Total Ex	1.17	3.63	0.01	4.81	2.00	3.22	0.02	5.25	0.68	1.30	0.05	2.03	0.81	0.64	1.45	1.08	2.53	0.28	0.29	15.17

Diurnal	0.09	0.33	0.00	0.43	0.10	0.27	0.00	0.36	0.01	0.05	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.88
Hot Soak	0.15	0.27	0.00	0.42	0.17	0.23	0.00	0.39	0.04	0.07	0.00	0.11	0.02	0.01	0.03	0.00	0.03	0.00	0.02	0.98
Running	0.93	1.69	0.00	2.62	0.69	1.19	0.00	1.88	0.34	0.40	0.00	0.74	0.18	0.15	0.33	0.00	0.33	0.01	0.14	5.72
Resting	0.03	0.10	0.00	0.13	0.03	0.08	0.00	0.11	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.27
Total	2.38	6.02	0.01	8.41	2.99	4.98	0.02	7.99	1.07	1.82	0.05	2.94	1.01	0.80	1.81	1.08	2.89	0.29	0.49	23.02

Carbon Monoxide Emissions																				
Run Exh	13.77	48.08	0.02	61.88	26.23	57.70	0.11	84.03	6.86	13.52	0.15	20.53	7.36	7.63	14.99	4.89	19.89	2.84	3.67	192.84
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.06	0.02	0.03	0.04	0.23	0.27	0.00	0.00	0.33
Start Ex	1.52	16.75	0.00	18.27	1.71	16.00	0.00	17.71	2.01	5.96	0.00	7.97	4.72	4.67	9.39	0.00	9.39	0.09	0.13	53.56
Total Ex	15.30	64.83	0.02	80.15	27.93	73.70	0.11	101.74	8.88	19.52	0.15	28.56	12.10	12.32	24.42	5.12	29.55	2.93	3.80	246.73

Oxides of Nitrogen Emissions																				
Run Exh	0.83	6.33	0.05	7.22	1.55	7.83	0.24	9.62	0.29	2.23	0.79	3.31	0.22	1.35	1.57	22.21	23.78	0.98	0.08	44.99
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.71	0.71	0.00	0.00	0.71
Start Ex	0.07	0.82	0.00	0.89	0.08	0.82	0.00	0.90	0.04	0.47	0.00	0.51	0.08	0.39	0.47	0.00	0.47	0.00	0.00	2.78
Total Ex	0.90	7.15	0.05	8.11	1.63	8.65	0.24	10.52	0.33	2.71	0.79	3.83	0.30	1.75	2.04	22.92	24.96	0.98	0.08	48.48

Carbon Dioxide Emissions (000)																				
Run Exh	0.08	2.70	0.01	2.80	0.15	2.34	0.06	2.55	0.03	0.91	0.07	1.02	0.02	0.13	0.15	2.34	2.49	0.11	0.01	8.97
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.04
Start Ex	0.01	0.08	0.00	0.09	0.01	0.07	0.00	0.08	0.01	0.02	0.00	0.03	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.22
Total Ex	0.09	2.78	0.01	2.89	0.16	2.41	0.06	2.64	0.04	0.93	0.07	1.05	0.03	0.13	0.17	2.38	2.54	0.11	0.01	9.23

PM10 Emissions																				
Run Exh	0.01	0.07	0.01	0.09	0.01	0.08	0.01	0.10	0.00	0.02	0.01	0.04	0.00	0.00	0.00	0.56	0.56	0.01	0.00	0.80
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.03
Start Ex	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Total Ex	0.01	0.08	0.01	0.09	0.01	0.09	0.01	0.11	0.00	0.02	0.01	0.04	0.00	0.00	0.00	0.59	0.59	0.01	0.00	0.85

TireWear	0.00	0.06	0.00	0.06	0.00	0.04	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.16
BrakeWr	0.00	0.09	0.00	0.09	0.00	0.07	0.00	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.20
Total	0.01	0.23	0.01	0.24	0.02	0.19	0.02	0.23	0.00	0.05	0.02	0.07	0.00	0.01	0.01	0.64	0.64	0.02	0.00	1.21

Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOx	0.00	0.04	0.00	0.04	0.00	0.04	0.01	0.04	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.21	0.21	0.01	0.00	0.33

Fuel Consumption (000 gallons)																				
Gasoline	12.13	296.68	0.00	308.81	21.94	260.08	0.00	282.02	6.16	99.24	0.00	105.40	5.49	15.95	21.44	0.00	21.44	2.65	1.35	721.68
Diesel	0.00	0.00	1.09	1.09	0.00	0.00	5.21	5.21	0.00	0.00	6.35	6.35	0.00	0.00	0.00	213.81	213.81	7.81	0.00	234.28

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 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : Kings (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Urban Buses	Motor-cycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline Trucks	Diesel Trucks	Total Trucks					
Vehicles	2041.	30142.	245.	32428.	2117.	21640.	862.	24619.	453.	3850.	302.	4605.	371.	923.	1294.	1404.	2698.	62.	1111.	65523.
VMT/1000	35.	1437.	8.	1480.	55.	1017.	39.	1111.	9.	200.	19.	228.	7.	32.	38.	169.	208.	9.	10.	3046.
Trips	9541.	191579.	1463.	202583.	10215.	137421.	5440.	153076.	9045.	45774.	3461.	58280.	8640.	8712.	17352.	18446.	35799.	248.	2221.	452207.

Reactive Organic Gas Emissions																				
Run Exh	0.21	0.46	0.00	0.67	0.33	0.41	0.01	0.74	0.06	0.14	0.01	0.21	0.06	0.07	0.14	0.19	0.33	0.06	0.05	2.06
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Start Ex	0.06	0.34	0.00	0.39	0.06	0.26	0.00	0.32	0.07	0.07	0.00	0.15	0.14	0.03	0.17	0.00	0.17	0.00	0.01	1.04
Total Ex	0.27	0.80	0.00	1.07	0.39	0.67	0.01	1.06	0.14	0.21	0.01	0.36	0.20	0.11	0.31	0.20	0.51	0.06	0.06	3.11

Diurnal	0.02	0.07	0.00	0.09	0.02	0.05	0.00	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.18
Hot Soak	0.03	0.06	0.00	0.09	0.04	0.05	0.00	0.08	0.01	0.01	0.00	0.02	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.21
Running	0.20	0.35	0.00	0.55	0.14	0.23	0.00	0.37	0.08	0.06	0.00	0.14	0.05	0.01	0.06	0.00	0.06	0.00	0.02	1.15
Resting	0.01	0.03	0.00	0.03	0.01	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
Total	0.53	1.31	0.00	1.84	0.59	1.02	0.01	1.62	0.23	0.30	0.01	0.53	0.25	0.12	0.38	0.20	0.58	0.06	0.09	4.71

Carbon Monoxide Emissions																				
Run Exh	3.28	10.97	0.01	14.26	5.14	12.15	0.03	17.31	1.30	2.31	0.02	3.63	1.79	1.39	3.18	0.92	4.10	0.57	0.75	40.62
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.04	0.05	0.00	0.00	0.06
Start Ex	0.33	3.47	0.00	3.80	0.36	3.19	0.00	3.55	0.45	0.92	0.00	1.37	1.34	0.55	1.90	0.00	1.90	0.02	0.02	10.66
Total Ex	3.61	14.44	0.01	18.06	5.50	15.33	0.03	20.86	1.75	3.24	0.02	5.01	3.13	1.95	5.08	0.96	6.04	0.59	0.77	51.34

Oxides of Nitrogen Emissions																				
Run Exh	0.20	1.46	0.01	1.67	0.30	1.67	0.06	2.04	0.05	0.40	0.13	0.58	0.06	0.29	0.35	3.64	3.98	0.16	0.02	8.44
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.00	0.00	0.00	0.12
Start Ex	0.02	0.17	0.00	0.19	0.02	0.16	0.00	0.18	0.01	0.07	0.00	0.08	0.02	0.06	0.08	0.00	0.08	0.00	0.00	0.53
Total Ex	0.21	1.63	0.01	1.86	0.32	1.84	0.06	2.22	0.06	0.48	0.13	0.66	0.08	0.35	0.42	3.76	4.18	0.16	0.02	9.10

Carbon Dioxide Emissions (000)																				
Run Exh	0.02	0.60	0.00	0.62	0.03	0.49	0.02	0.53	0.01	0.16	0.01	0.18	0.01	0.02	0.03	0.37	0.40	0.02	0.00	1.75
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Start Ex	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Total Ex	0.02	0.61	0.00	0.64	0.03	0.50	0.02	0.55	0.01	0.16	0.01	0.18	0.01	0.02	0.03	0.38	0.41	0.02	0.00	1.80

PM10 Emissions																				
Run Exh	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.15
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Ex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Ex	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.16

TireWear	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.03
BrakeWr	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Total	0.00	0.05	0.00	0.06	0.00	0.04	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.23

Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOx	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.06

Fuel Consumption (000 gallons)																				
Gasoline	2.76	65.50	0.00	68.26	4.17	54.38	0.00	58.54	1.23	17.30	0.00	18.53	1.29	2.72	4.01	0.00	4.01	0.58	0.26	150.19
Diesel	0.00	0.00	0.29	0.29	0.00	0.00	1.37	1.37	0.00	0.00	1.01	1.01	0.00	0.00	0.00	34.21	34.21	1.13	0.00	38.02

Title : San Joaquin Valley Unified APCD Subarea 1999 AA
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : Madera (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Urban Buses	Motor-cycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline Trucks	Diesel Trucks	Total HD Trucks					
Vehicles	2272.	30780.	270.	33322.	3122.	26590.	1221.	30933.	727.	5441.	433.	6601.	578.	1424.	2002.	1386.	3388.	94.	1360.	75698.
VMT/1000	38.	1363.	9.	1410.	70.	1161.	54.	1285.	13.	258.	29.	300.	10.	36.	46.	160.	206.	14.	10.	3225.
Trips	10464.	195228.	1619.	207311.	15148.	168248.	7729.	191125.	13632.	58605.	5111.	77348.	13654.	10102.	23756.	17263.	41019.	376.	2719.	519897.

Reactive Organic Gas Emissions																				
Run Exh	0.22	0.46	0.00	0.69	0.41	0.50	0.01	0.91	0.10	0.20	0.01	0.31	0.10	0.09	0.18	0.17	0.35	0.10	0.05	2.41
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Start Ex	0.06	0.36	0.00	0.42	0.09	0.35	0.00	0.44	0.11	0.11	0.00	0.23	0.22	0.05	0.27	0.00	0.27	0.00	0.01	1.37
Total Ex	0.29	0.82	0.00	1.11	0.49	0.85	0.01	1.35	0.21	0.32	0.01	0.54	0.32	0.14	0.45	0.17	0.63	0.11	0.06	3.79

Diurnal	0.02	0.07	0.00	0.09	0.03	0.06	0.00	0.09	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.20
Hot Soak	0.04	0.06	0.00	0.09	0.05	0.06	0.00	0.11	0.01	0.02	0.00	0.03	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.25
Running	0.22	0.38	0.00	0.60	0.20	0.31	0.00	0.51	0.11	0.10	0.00	0.21	0.07	0.02	0.10	0.00	0.10	0.00	0.03	1.45
Resting	0.01	0.02	0.00	0.03	0.01	0.02	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
Total	0.57	1.35	0.00	1.93	0.78	1.31	0.01	2.10	0.34	0.45	0.01	0.80	0.40	0.16	0.56	0.17	0.73	0.11	0.11	5.77

Carbon Monoxide Emissions																				
Run Exh	3.40	10.90	0.01	14.31	6.23	14.77	0.04	21.04	1.97	3.34	0.03	5.35	2.81	2.09	4.90	0.80	5.70	1.01	0.73	48.14
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.04	0.05	0.00	0.00	0.06
Start Ex	0.36	3.76	0.00	4.12	0.52	4.34	0.00	4.87	0.68	1.45	0.00	2.13	2.06	1.03	3.08	0.00	3.08	0.04	0.03	14.28
Total Ex	3.77	14.66	0.01	18.43	6.76	19.11	0.04	25.91	2.66	4.80	0.03	7.49	4.87	3.12	8.00	0.83	8.83	1.06	0.76	62.47

Oxides of Nitrogen Emissions																				
Run Exh	0.21	1.44	0.01	1.67	0.38	2.01	0.08	2.47	0.08	0.57	0.20	0.84	0.09	0.28	0.37	3.32	3.69	0.17	0.02	8.87
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.00	0.00	0.12
Start Ex	0.02	0.18	0.00	0.20	0.02	0.21	0.00	0.23	0.01	0.10	0.00	0.11	0.03	0.06	0.10	0.00	0.10	0.00	0.00	0.64
Total Ex	0.23	1.62	0.01	1.87	0.41	2.22	0.08	2.70	0.09	0.67	0.20	0.96	0.13	0.34	0.47	3.44	3.91	0.17	0.02	9.63

Carbon Dioxide Emissions (000)																				
Run Exh	0.02	0.56	0.00	0.58	0.04	0.55	0.02	0.61	0.01	0.20	0.02	0.22	0.01	0.03	0.03	0.35	0.39	0.02	0.00	1.82
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Start Ex	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
Total Ex	0.02	0.58	0.00	0.60	0.04	0.57	0.02	0.63	0.01	0.20	0.02	0.23	0.01	0.03	0.04	0.36	0.40	0.02	0.00	1.88

PM10 Emissions																				
Run Exh	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.09	0.09	0.00	0.00	0.15
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Ex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Total Ex	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.09	0.09	0.00	0.00	0.16

TireWear	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.03
BrakeWr	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Total	0.00	0.05	0.00	0.05	0.00	0.05	0.01	0.06	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.23

Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOx	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.06

Fuel Consumption (000 gallons)																				
Gasoline	2.95	61.75	0.00	64.69	5.28	61.64	0.00	66.91	1.85	21.54	0.00	23.39	2.00	3.28	5.27	0.00	5.27	1.14	0.27	161.68
Diesel	0.00	0.00	0.31	0.31	0.00	0.00	1.86	1.86	0.00	0.00	1.53	1.53	0.00	0.00	0.00	32.38	32.38	0.74	0.00	36.83

Title : San Joaquin Valley Unified APCD Subarea 1999 AA
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : Merced (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Urban Buses	Motor-cycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline Trucks	Diesel Trucks	Total HD Trucks					
Vehicles	3832.	59230.	532.	63595.	4659.	42636.	1712.	49007.	992.	8134.	648.	9773.	849.	1839.	2688.	2951.	5639.	117.	1981.	130113.
VMT/1000	73.	2797.	19.	2889.	127.	1984.	79.	2190.	21.	418.	45.	485.	16.	62.	78.	432.	510.	19.	18.	6111.
Trips	17880.	375431.	3198.	396509.	22534.	269940.	10806.	303280.	19743.	90514.	7425.	117682.	23461.	21142.	44603.	36393.	80996.	468.	3962.	902897.

Reactive Organic Gas Emissions																				
Run Exh	0.44	1.06	0.01	1.51	0.77	0.94	0.01	1.72	0.16	0.35	0.02	0.53	0.17	0.16	0.33	0.46	0.79	0.09	0.08	4.72
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.02
Start Ex	0.11	0.72	0.00	0.83	0.13	0.57	0.00	0.70	0.17	0.17	0.00	0.34	0.40	0.08	0.48	0.00	0.48	0.00	0.01	2.37
Total Ex	0.56	1.77	0.01	2.33	0.90	1.50	0.01	2.42	0.33	0.53	0.02	0.88	0.57	0.24	0.81	0.48	1.29	0.09	0.09	7.10

Diurnal	0.03	0.14	0.00	0.17	0.04	0.10	0.00	0.14	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.35
Hot Soak	0.06	0.11	0.00	0.17	0.07	0.09	0.00	0.17	0.02	0.02	0.00	0.04	0.01	0.00	0.02	0.00	0.02	0.00	0.01	0.41
Running	0.37	0.74	0.00	1.12	0.30	0.49	0.00	0.79	0.16	0.14	0.00	0.31	0.13	0.04	0.17	0.00	0.17	0.00	0.04	2.43
Resting	0.01	0.04	0.00	0.06	0.02	0.03	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
Total	1.03	2.81	0.01	3.85	1.34	2.22	0.01	3.57	0.52	0.72	0.02	1.26	0.71	0.29	1.00	0.48	1.47	0.09	0.16	10.40

Carbon Monoxide Emissions																				
Run Exh	6.28	24.17	0.01	30.46	10.93	26.43	0.06	37.42	3.18	5.64	0.06	8.87	5.01	3.15	8.15	2.16	10.32	0.94	1.12	89.13
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.01	0.01	0.09	0.10	0.10	0.00	0.00	0.12
Start Ex	0.62	7.53	0.00	8.15	0.79	6.97	0.00	7.76	1.00	2.18	0.00	3.19	3.80	1.60	5.41	0.00	5.41	0.03	0.04	24.58
Total Ex	6.90	31.69	0.01	38.61	11.72	33.41	0.06	45.18	4.19	7.83	0.06	12.08	8.81	4.76	13.57	2.25	15.82	0.97	1.16	113.82

Oxides of Nitrogen Emissions																				
Run Exh	0.40	3.05	0.03	3.48	0.67	3.53	0.12	4.32	0.13	0.92	0.30	1.35	0.17	0.54	0.71	9.07	9.77	0.35	0.03	19.30
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.27
Start Ex	0.03	0.35	0.00	0.38	0.04	0.34	0.00	0.38	0.02	0.15	0.00	0.17	0.06	0.12	0.18	0.00	0.18	0.00	0.00	1.11
Total Ex	0.43	3.40	0.03	3.86	0.71	3.87	0.12	4.70	0.15	1.07	0.30	1.52	0.23	0.66	0.89	9.34	10.23	0.35	0.03	20.69

Carbon Dioxide Emissions (000)																				
Run Exh	0.04	1.16	0.01	1.21	0.07	0.95	0.03	1.05	0.02	0.33	0.03	0.37	0.01	0.04	0.06	0.97	1.02	0.04	0.00	3.69
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Start Ex	0.00	0.03	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.09
Total Ex	0.04	1.20	0.01	1.25	0.07	0.98	0.03	1.08	0.02	0.34	0.03	0.38	0.02	0.05	0.06	0.98	1.04	0.04	0.00	3.80

PM10 Emissions																				
Run Exh	0.00	0.04	0.00	0.04	0.00	0.04	0.01	0.05	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.23	0.23	0.01	0.00	0.35
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Start Ex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Total Ex	0.00	0.04	0.00	0.05	0.00	0.04	0.01	0.06	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.24	0.24	0.01	0.00	0.37

TireWear	0.00	0.02	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.07
BrakeWr	0.00	0.04	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.08
Total	0.00	0.11	0.00	0.11	0.01	0.09	0.01	0.11	0.00	0.02	0.01	0.03	0.00	0.00	0.00	0.26	0.26	0.01	0.00	0.52

Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOx	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.09	0.09	0.00	0.00	0.14

Fuel Consumption (000 gallons)																				
Gasoline	5.61	128.16	0.00	133.77	9.45	106.20	0.00	115.65	2.91	35.76	0.00	38.67	3.37	5.56	8.94	0.00	8.94	0.87	0.45	298.34
Diesel	0.00	0.00	0.68	0.68	0.00	0.00	2.75	2.75	0.00	0.00	2.42	2.42	0.00	0.00	0.00	88.26	88.26	3.00	0.00	97.11

Title : San Joaquin Valley Unified APCD Subarea 1999 AA
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : San Joaquin (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Gasoline Trucks	Diesel Trucks	Total HD Trucks	Urban Buses	Motor-cycles	All Vehicles
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Total						
Vehicles	11443.	171757.	1503.	184703.	10199.	106784.	3675.	120659.	2323.	23959.	1362.	27645.	2013.	5134.	7147.	7396.	14543.	343.	5858.	353751.	
VMT/1000	207.	7050.	46.	7303.	161.	4625.	149.	4935.	33.	1098.	78.	1209.	29.	135.	164.	851.	1015.	46.	41.	14550.	
Trips	53257.	1090660.	9019.	1152940.	49212.	678719.	23166.	751097.	43906.	241044.	15508.	300458.	47715.	53259.	100974.	97127.	198101.	1372.	11715.	2415680.	

Reactive Organic Gas Emissions																					
Run Exh	1.20	2.39	0.01	3.61	0.90	1.61	0.02	2.54	0.24	0.67	0.03	0.94	0.27	0.25	0.52	0.64	1.16	0.16	0.18	8.59	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.05	
Start Ex	0.31	1.91	0.00	2.22	0.28	1.30	0.00	1.58	0.37	0.45	0.00	0.82	0.74	0.17	0.91	0.00	0.91	0.01	0.04	5.58	
Total Ex	1.52	4.30	0.01	5.83	1.18	2.91	0.02	4.12	0.62	1.13	0.03	1.77	1.01	0.43	1.43	0.68	2.11	0.16	0.22	14.22	

Diurnal	0.09	0.35	0.00	0.44	0.08	0.21	0.00	0.29	0.01	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.81	
Hot Soak	0.18	0.31	0.00	0.49	0.16	0.20	0.00	0.36	0.05	0.06	0.00	0.10	0.03	0.01	0.03	0.00	0.03	0.00	0.02	1.01	
Running	1.11	2.06	0.00	3.17	0.66	1.10	0.00	1.76	0.38	0.36	0.00	0.74	0.26	0.08	0.34	0.00	0.34	0.00	0.13	6.15	
Resting	0.04	0.11	0.00	0.15	0.03	0.07	0.00	0.11	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.29	
Total	2.93	7.14	0.01	10.08	2.12	4.50	0.02	6.64	1.05	1.61	0.03	2.69	1.29	0.52	1.81	0.68	2.49	0.17	0.41	22.47	

Carbon Monoxide Emissions																					
Run Exh	16.81	56.76	0.04	73.60	12.94	46.88	0.10	59.93	4.70	11.64	0.09	16.43	7.43	5.51	12.95	2.97	15.92	1.81	2.43	170.13	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.04	0.01	0.02	0.03	0.22	0.24	0.00	0.00	0.28	
Start Ex	1.81	20.09	0.00	21.90	1.67	15.90	0.00	17.57	2.19	5.61	0.00	7.80	6.67	3.22	9.89	0.00	9.89	0.07	0.12	57.36	
Total Ex	18.62	76.85	0.04	95.51	14.61	62.79	0.10	77.50	6.90	17.28	0.09	24.28	14.12	8.75	22.87	3.19	26.05	1.88	2.55	227.77	

Oxides of Nitrogen Emissions																					
Run Exh	1.09	6.97	0.07	8.13	0.82	6.56	0.21	7.59	0.18	2.12	0.51	2.81	0.24	0.97	1.21	16.91	18.11	0.83	0.06	37.53	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.66	0.00	0.00	0.67	
Start Ex	0.09	0.96	0.00	1.04	0.08	0.83	0.00	0.91	0.05	0.40	0.00	0.45	0.11	0.27	0.39	0.00	0.39	0.00	0.00	2.79	
Total Ex	1.17	7.93	0.07	9.18	0.90	7.39	0.21	8.50	0.23	2.52	0.52	3.26	0.35	1.24	1.59	17.57	19.16	0.83	0.07	40.99	

Carbon Dioxide Emissions (000)																					
Run Exh	0.11	2.91	0.02	3.04	0.08	2.21	0.06	2.36	0.03	0.82	0.05	0.89	0.02	0.10	0.12	1.88	2.00	0.10	0.00	8.38	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.04	
Start Ex	0.01	0.09	0.00	0.11	0.01	0.07	0.00	0.08	0.01	0.02	0.00	0.03	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.23	
Total Ex	0.12	3.00	0.02	3.14	0.09	2.28	0.06	2.43	0.04	0.84	0.05	0.92	0.03	0.10	0.13	1.91	2.04	0.10	0.01	8.65	

PM10 Emissions																					
Run Exh	0.01	0.08	0.01	0.10	0.01	0.08	0.01	0.10	0.00	0.02	0.01	0.03	0.00	0.00	0.00	0.39	0.40	0.01	0.00	0.64	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02	
Start Ex	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	
Total Ex	0.01	0.09	0.01	0.11	0.01	0.09	0.01	0.11	0.00	0.03	0.01	0.04	0.00	0.00	0.00	0.42	0.42	0.01	0.00	0.69	

TireWear	0.00	0.06	0.00	0.06	0.00	0.04	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.15	
BrakeWr	0.00	0.10	0.00	0.10	0.00	0.06	0.00	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.20	
Total	0.01	0.25	0.01	0.27	0.01	0.19	0.02	0.22	0.00	0.05	0.01	0.06	0.00	0.01	0.01	0.46	0.46	0.02	0.00	1.04	

Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SOx	0.00	0.04	0.00	0.05	0.00	0.03	0.01	0.04	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.17	0.17	0.01	0.00	0.29	

Fuel Consumption (000 gallons)																					
Gasoline	15.80	321.34	0.00	337.14	12.41	244.86	0.00	257.28	4.98	89.31	0.00	94.29	5.93	11.89	17.82	0.00	17.82	2.03	1.05	709.59	
Diesel	0.00	0.00	1.69	1.69	0.00	0.00	5.16	5.16	0.00	0.00	4.17	4.17	0.00	0.00	0.00	171.88	171.88	7.22	0.00	190.12	

Title : San Joaquin Valley Unified APCD Subarea 1999 AA
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : Stanislaus (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Urban Buses	Motor-cycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline	Diesel	Total					
Vehicles	9108.	136545.	1169.	146822.	9123.	90837.	3673.	103633.	1946.	19736.	1443.	23125.	1832.	4743.	6575.	6337.	12912.	235.	5512.	292238.
VMT/1000	129.	4846.	30.	5004.	171.	3238.	125.	3534.	30.	773.	74.	877.	25.	118.	143.	645.	788.	29.	34.	10266.
Trips	42214.	866851.	6993.	916057.	44161.	576554.	23127.	643841.	35413.	215261.	16273.	266947.	40762.	48999.	89761.	82681.	172442.	940.	11022.	2011250.

Reactive Organic Gas Emissions																				
Run Exh	0.70	1.48	0.01	2.19	0.90	1.19	0.02	2.11	0.20	0.48	0.03	0.72	0.22	0.22	0.43	0.48	0.91	0.14	0.14	6.21
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.03	0.04	0.00	0.00	0.04
Start Ex	0.24	1.45	0.00	1.69	0.24	1.05	0.00	1.29	0.29	0.36	0.00	0.65	0.58	0.15	0.73	0.00	0.73	0.01	0.04	4.41
Total Ex	0.94	2.93	0.01	3.88	1.14	2.24	0.02	3.40	0.50	0.85	0.03	1.38	0.80	0.37	1.17	0.51	1.68	0.15	0.18	10.66

Diurnal	0.08	0.31	0.00	0.40	0.08	0.22	0.00	0.29	0.01	0.04	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.77
Hot Soak	0.14	0.28	0.00	0.43	0.15	0.21	0.00	0.36	0.04	0.06	0.00	0.10	0.02	0.01	0.03	0.00	0.03	0.00	0.02	0.93
Running	0.88	1.70	0.00	2.58	0.59	1.04	0.00	1.63	0.29	0.33	0.00	0.62	0.19	0.07	0.27	0.00	0.27	0.00	0.13	5.23
Resting	0.03	0.10	0.00	0.13	0.03	0.07	0.00	0.10	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26
Total	2.08	5.32	0.01	7.41	1.98	3.77	0.02	5.78	0.84	1.29	0.03	2.15	1.02	0.46	1.47	0.51	1.99	0.15	0.37	17.85

Carbon Monoxide Emissions																				
Run Exh	9.74	37.45	0.02	47.21	12.76	36.30	0.09	49.14	3.91	8.64	0.08	12.64	5.90	4.71	10.61	2.27	12.88	1.62	1.78	125.27
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.04	0.01	0.02	0.03	0.19	0.22	0.00	0.00	0.26
Start Ex	1.41	15.22	0.00	16.62	1.48	12.95	0.00	14.43	1.76	4.62	0.00	6.38	5.03	2.79	7.82	0.00	7.82	0.07	0.12	45.43
Total Ex	11.15	52.66	0.02	63.83	14.23	49.25	0.09	63.57	5.67	13.30	0.09	19.05	10.94	7.52	18.46	2.46	20.92	1.68	1.90	170.96

Oxides of Nitrogen Emissions																				
Run Exh	0.65	4.39	0.04	5.09	0.85	4.61	0.17	5.62	0.16	1.39	0.47	2.03	0.18	0.87	1.05	12.74	13.79	0.48	0.05	27.05
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	0.00	0.58
Start Ex	0.07	0.73	0.00	0.80	0.07	0.66	0.00	0.73	0.04	0.34	0.00	0.38	0.09	0.26	0.35	0.00	0.35	0.00	0.00	2.27
Total Ex	0.72	5.12	0.04	5.89	0.91	5.27	0.17	6.35	0.20	1.74	0.47	2.41	0.26	1.14	1.40	13.32	14.72	0.48	0.06	29.90

Carbon Dioxide Emissions (000)																				
Run Exh	0.07	1.96	0.01	2.04	0.09	1.52	0.05	1.65	0.02	0.59	0.04	0.65	0.02	0.09	0.10	1.43	1.53	0.05	0.00	5.93
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.03
Start Ex	0.01	0.08	0.00	0.08	0.01	0.06	0.00	0.07	0.01	0.02	0.00	0.03	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.19
Total Ex	0.08	2.03	0.01	2.12	0.10	1.57	0.05	1.72	0.03	0.61	0.04	0.68	0.03	0.09	0.12	1.46	1.57	0.05	0.00	6.15

PM10 Emissions																				
Run Exh	0.00	0.05	0.01	0.06	0.01	0.05	0.01	0.06	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.31	0.31	0.01	0.00	0.47
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
Start Ex	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Total Ex	0.00	0.05	0.01	0.06	0.01	0.05	0.01	0.07	0.00	0.02	0.01	0.02	0.00	0.00	0.00	0.33	0.33	0.01	0.00	0.50

TireWear	0.00	0.04	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.11
BrakeWr	0.00	0.07	0.00	0.07	0.00	0.04	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.14
Total	0.01	0.16	0.01	0.18	0.01	0.13	0.01	0.15	0.00	0.03	0.01	0.05	0.00	0.00	0.01	0.36	0.37	0.01	0.00	0.75

Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOx	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.21

Fuel Consumption (000 gallons)																				
Gasoline	9.79	217.64	0.00	227.43	12.52	169.77	0.00	182.28	4.17	64.65	0.00	68.82	4.91	10.40	15.31	0.00	15.31	1.67	0.84	496.35
Diesel	0.00	0.00	1.09	1.09	0.00	0.00	4.36	4.36	0.00	0.00	3.92	3.92	0.00	0.00	0.00	131.02	131.02	3.56	0.00	143.96

Title : San Joaquin Valley Unified APCD Subarea 1999 AA
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : Tulare (SJV)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	- - - Light Duty Passenger Cars - - -				- - - - Light Duty Trucks - - - -				- - - - Medium Duty Trucks - - - -				- - - - Heavy Duty Trucks - - -			Urban Buses	Motor-cycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline Trucks	Diesel Trucks	Total Trucks					
Vehicles	7147.	95399.	746.	103291.	8257.	75979.	2527.	86764.	1999.	13989.	1000.	16988.	1545.	3369.	4914.	4923.	9837.	230.	3812.	220922.
VMT/1000	116.	3775.	21.	3912.	166.	3017.	98.	3281.	33.	610.	59.	703.	24.	99.	123.	582.	706.	31.	26.	8657.
Trips	33064.	604533.	4445.	642043.	39827.	481179.	15925.	536931.	37845.	160614.	11584.	210042.	38268.	40559.	78827.	68097.	146923.	920.	7624.	1544480.

Reactive Organic Gas Emissions																				
Run Exh	0.63	1.26	0.01	1.90	0.87	1.20	0.02	2.09	0.23	0.45	0.02	0.70	0.22	0.24	0.45	0.54	0.99	0.14	0.10	5.92
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.03	0.00	0.00	0.03
Start Ex	0.19	1.07	0.00	1.27	0.22	0.94	0.00	1.16	0.31	0.28	0.00	0.60	0.54	0.14	0.69	0.00	0.69	0.01	0.03	3.75
Total Ex	0.82	2.34	0.01	3.16	1.09	2.14	0.02	3.25	0.54	0.74	0.02	1.31	0.76	0.38	1.15	0.56	1.71	0.14	0.13	9.70

Diurnal	0.07	0.23	0.00	0.30	0.07	0.19	0.00	0.27	0.01	0.03	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.63
Hot Soak	0.11	0.20	0.00	0.32	0.14	0.18	0.00	0.31	0.04	0.05	0.00	0.09	0.02	0.01	0.03	0.00	0.03	0.00	0.02	0.77
Running	0.69	1.23	0.00	1.92	0.54	0.89	0.00	1.43	0.32	0.26	0.00	0.58	0.19	0.07	0.26	0.00	0.26	0.00	0.10	4.29
Resting	0.03	0.08	0.00	0.11	0.03	0.07	0.00	0.10	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.24
Total	1.72	4.09	0.01	5.81	1.88	3.47	0.02	5.37	0.91	1.09	0.02	2.02	0.98	0.46	1.44	0.56	2.00	0.15	0.27	15.63

Carbon Monoxide Emissions																				
Run Exh	8.83	31.59	0.02	40.44	12.51	36.50	0.07	49.08	4.52	7.61	0.07	12.21	5.85	4.72	10.57	2.53	13.10	1.54	1.37	117.73
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.03	0.02	0.02	0.04	0.14	0.17	0.00	0.00	0.21
Start Ex	1.13	11.31	0.00	12.43	1.36	11.67	0.00	13.02	1.91	3.65	0.00	5.56	4.65	2.65	7.30	0.00	7.30	0.06	0.08	38.46
Total Ex	9.96	42.90	0.02	52.88	13.87	48.17	0.07	62.10	6.44	11.29	0.07	17.80	10.52	7.39	17.90	2.66	20.57	1.60	1.45	156.39

Oxides of Nitrogen Emissions																				
Run Exh	0.61	3.79	0.03	4.43	0.85	4.73	0.13	5.71	0.19	1.20	0.40	1.79	0.18	0.89	1.06	12.02	13.08	0.51	0.04	25.57
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.42	0.00	0.00	0.00	0.43
Start Ex	0.05	0.53	0.00	0.58	0.06	0.57	0.00	0.64	0.04	0.26	0.00	0.30	0.08	0.24	0.32	0.00	0.32	0.00	0.00	1.85
Total Ex	0.66	4.32	0.03	5.02	0.91	5.31	0.13	6.35	0.23	1.46	0.40	2.09	0.26	1.13	1.38	12.44	13.83	0.51	0.04	27.84

Carbon Dioxide Emissions (000)																				
Run Exh	0.06	1.51	0.01	1.57	0.08	1.39	0.04	1.51	0.02	0.47	0.04	0.53	0.02	0.07	0.09	1.29	1.38	0.06	0.00	5.04
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02
Start Ex	0.01	0.05	0.00	0.06	0.01	0.05	0.00	0.06	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.15
Total Ex	0.07	1.56	0.01	1.63	0.09	1.44	0.04	1.57	0.03	0.48	0.04	0.55	0.03	0.07	0.10	1.31	1.41	0.06	0.00	5.22

PM10 Emissions																				
Run Exh	0.00	0.04	0.00	0.05	0.01	0.05	0.01	0.06	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.30	0.31	0.01	0.00	0.45
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02
Start Ex	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Total Ex	0.00	0.05	0.00	0.06	0.01	0.05	0.01	0.07	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.32	0.32	0.01	0.00	0.48

TireWear	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.09
BrakeWr	0.00	0.05	0.00	0.05	0.00	0.04	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.12
Total	0.01	0.13	0.00	0.14	0.01	0.12	0.01	0.14	0.00	0.03	0.01	0.04	0.00	0.00	0.01	0.35	0.35	0.01	0.00	0.69

Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOx	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.12	0.12	0.00	0.00	0.18

Fuel Consumption (000 gallons)																				
Gasoline	8.56	167.33	0.00	175.89	11.92	155.54	0.00	167.46	4.62	51.24	0.00	55.86	4.72	8.88	13.61	0.00	13.61	1.75	0.62	415.18
Diesel	0.00	0.00	0.78	0.78	0.00	0.00	3.40	3.40	0.00	0.00	3.18	3.18	0.00	0.00	0.00	117.83	117.83	3.92	0.00	129.10

Title : San Joaquin Valley Unified APCD Subarea 1999 AA
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 01/29/03 10:47:22
 Scen Year: 1999 -- Model Years: 1965 to 1999
 Season : Annual
 Area : San Joaquin Valley Unified APCD Gra
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Gasoline Trucks	Diesel Trucks	Total HD Trucks	Urban Buses	Motor-cycles	All Vehicles
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Total						
Vehicles	60037.	895925.	7193.	963154.	62142.	620805.	21415.	704362.	14108.	127066.	8987.	150161.	11496.	29201.	40697.	43091.	83788.	1962.	33095.	1936520.	
VMT/1000	982.	36681.	211.	37874.	1368.	25516.	853.	27737.	249.	5706.	528.	6482.	181.	832.	1013.	5029.	6042.	269.	234.	78638.	
Trips	278749.	5688210.	43055.	6010010.	300005.	3939700.	135092.	4374790.	264190.	1417780.	103341.	1785310.	270808.	344657.	615465.	587213.	1202680.	7848.	66184.	13446800.	
----- Reactive Organic Gas Emissions -----																					
Run Exh	5.63	12.04	0.06	17.73	7.75	10.07	0.14	17.96	1.77	4.00	0.22	5.99	1.65	1.78	3.43	4.50	7.93	1.26	1.05	51.91	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.05	0.02	0.02	0.04	0.20	0.24	0.00	0.00	0.28	
Start Ex	1.63	9.86	0.00	11.49	1.68	7.47	0.00	9.15	2.19	2.47	0.00	4.67	4.03	1.15	5.18	0.00	5.18	0.04	0.24	30.77	
Total Ex	7.26	21.90	0.06	29.22	9.43	17.54	0.14	27.11	3.97	6.50	0.22	10.70	5.70	2.95	8.65	4.70	13.35	1.31	1.29	82.97	
Diurnal	0.55	2.06	0.00	2.62	0.55	1.49	0.00	2.04	0.05	0.27	0.00	0.32	0.01	0.01	0.02	0.00	0.02	0.00	0.17	5.16	
Hot Soak	0.95	1.76	0.00	2.71	1.01	1.35	0.00	2.36	0.28	0.37	0.00	0.66	0.15	0.06	0.21	0.00	0.21	0.01	0.12	6.07	
Running	5.82	10.92	0.00	16.73	4.05	6.90	0.00	10.95	2.22	2.15	0.00	4.37	1.38	0.58	1.96	0.00	1.96	0.04	0.79	34.83	
Resting	0.22	0.67	0.00	0.90	0.23	0.50	0.00	0.73	0.02	0.09	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.80	
Total	14.80	37.31	0.06	52.17	15.27	27.77	0.14	43.18	6.54	9.39	0.22	16.15	7.23	3.61	10.85	4.70	15.55	1.35	2.42	130.83	
----- Carbon Monoxide Emissions -----																					
Run Exh	82.26	291.45	0.17	373.88	115.38	301.11	0.60	417.09	35.09	68.31	0.63	104.04	45.33	36.80	82.13	21.14	103.27	13.50	15.22	1026.99	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.20	0.01	0.27	0.09	0.13	0.22	1.21	1.43	0.00	0.00	1.71	
Start Ex	9.48	103.55	0.00	113.03	10.25	92.05	0.00	102.30	13.22	31.41	0.00	44.63	36.12	21.52	57.64	0.00	57.64	0.50	0.70	318.81	
Total Ex	91.74	395.00	0.17	486.91	125.63	393.16	0.60	519.39	48.38	99.92	0.64	148.94	81.55	58.44	139.99	22.35	162.34	14.00	15.93	1347.51	
----- Oxides of Nitrogen Emissions -----																					
Run Exh	5.22	36.19	0.34	41.75	7.15	40.08	1.25	48.48	1.44	11.31	3.47	16.22	1.40	6.58	7.98	102.39	110.37	4.56	0.36	221.75	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.00	0.00	3.72	3.72	0.00	0.00	0.00	3.75	
Start Ex	0.45	4.99	0.00	5.44	0.47	4.66	0.00	5.14	0.27	2.32	0.00	2.59	0.61	1.86	2.47	0.00	2.47	0.03	0.02	15.69	
Total Ex	5.67	41.18	0.34	47.19	7.62	44.75	1.25	53.62	1.71	13.63	3.49	18.84	2.02	8.44	10.45	106.11	116.57	4.59	0.39	241.18	
----- Carbon Dioxide Emissions (000) -----																					
Run Exh	0.51	15.18	0.09	15.78	0.71	12.23	0.33	13.27	0.19	4.42	0.31	4.92	0.14	0.61	0.74	11.07	11.81	0.52	0.03	46.33	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.19	0.20	0.00	0.00	0.21	
Start Ex	0.06	0.49	0.00	0.56	0.07	0.40	0.00	0.46	0.06	0.12	0.00	0.18	0.06	0.01	0.07	0.00	0.07	0.00	0.00	1.28	
Total Ex	0.57	15.67	0.09	16.33	0.78	12.63	0.33	13.73	0.25	4.55	0.31	5.11	0.20	0.62	0.82	11.26	12.08	0.52	0.03	47.81	
----- PM10 Emissions -----																					
Run Exh	0.03	0.42	0.04	0.49	0.04	0.43	0.07	0.54	0.01	0.12	0.06	0.18	0.00	0.01	0.01	2.56	2.57	0.07	0.01	3.87	
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.13	
Start Ex	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	
Total Ex	0.04	0.47	0.04	0.54	0.05	0.47	0.07	0.59	0.01	0.13	0.06	0.20	0.01	0.01	0.02	2.69	2.71	0.07	0.01	4.13	
TireWear	0.01	0.32	0.00	0.33	0.01	0.23	0.01	0.24	0.00	0.06	0.01	0.07	0.00	0.01	0.01	0.17	0.18	0.00	0.00	0.83	
BrakeWr	0.01	0.51	0.00	0.52	0.02	0.35	0.01	0.38	0.00	0.08	0.01	0.09	0.00	0.01	0.01	0.07	0.08	0.00	0.00	1.09	
Total	0.06	1.30	0.04	1.40	0.08	1.05	0.09	1.22	0.02	0.26	0.07	0.35	0.01	0.03	0.05	2.93	2.97	0.08	0.02	6.05	
Lead	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SOx	0.01	0.23	0.01	0.25	0.01	0.19	0.03	0.23	0.00	0.07	0.03	0.10	0.00	0.01	0.02	1.00	1.02	0.04	0.00	1.64	
----- Fuel Consumption (000 gallons) -----																					
Gasoline	75.86	1675.66	0.00	1751.53	102.76	1362.05	0.00	1464.82	34.28	484.16	0.00	518.44	35.30	74.19	109.49	0.00	109.49	14.14	6.12	3864.52	
Diesel	0.00	0.00	7.74	7.74	0.00	0.00	29.67	29.67	0.00	0.00	28.30	28.30	0.00	0.00	0.00	1013.64	1013.64	36.95	0.00	1116.30	