

APPENDIX D

EMISSION TESTING DATABASE

BAG GPM

REALTIME GPM

HC

CO

NO_x

CO₂

**1997 OLDS ACHIEVA SL
CERT GASOLINE START**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh..adj NOx	H.unadj NOx	CO2	HC	CO	Kh..adj NOx	H.unadj NOx	CO2
11/08/02	110802F	US06	PW	0.205	13.396	1.615	1.940	312.27	0.253	15.135	2.274	2.732	
10/01/02	100102A1	FTP Bag 1	DG	0.763	7.194	0.918	0.949		0.788	6.478	0.893	0.923	405.30
10/01/02	100102A2	FTP Bag 2	DG	0.035	2.028	0.450	0.465	446.82	0.025	1.641	0.425	0.439	411.21
10/01/02	100102B	FTP Bag 3	DG	0.084	2.543	0.743	0.777		0.071	2.212	0.670	0.700	347.45
10/01/02	100102D	Fuel Econ.	PW	0.051	1.238	0.539	0.561		0.052	1.039	0.523	0.545	274.79
10/01/02	100102H	NYCC	PW	0.282	8.920	1.446	1.492	795.23	0.302	7.716	1.283	1.324	670.08
10/01/02	100102I	US06	PW	0.085	6.119	2.289	2.360		0.091	5.711	2.186	2.253	380.31
10/02/02	100202A1	FTP Bag 1	DG	0.565	6.459	1.017	0.964		0.596	5.780	0.913	0.865	386.25
10/02/02	100202A2	FTP Bag 2	DG	0.037	2.309	0.480	0.454	435.44	0.028	1.912	0.465	0.441	401.47
10/02/02	100202B	FTP Bag 3	DG	0.078	2.573	0.818	0.757		0.085	2.297	0.745	0.689	340.75
10/02/02	100202C	Fuel Econ.	PW	0.057	1.322	0.544	0.499		0.059	1.014	0.533	0.489	265.10
10/02/02	100202D	NYCC	PW	0.196	6.462	1.032	0.942		0.169	5.422	0.980	0.894	651.66
10/02/02	100202E	US06	PW	0.158	8.615	2.048	1.856	543.11	0.164	8.018	2.024	1.834	362.62
10/03/02	100302A1	FTP Bag 1	DG	0.568	7.037	0.877	0.902		0.588	6.094	0.804	0.827	382.50
10/03/02	100302A2	FTP Bag 2	DG	0.042	2.539	0.393	0.404	436.05	0.034	2.067	0.414	0.426	403.70
10/03/02	100302B	FTP Bag 3	DG	0.089	2.630	0.693	0.715		0.077	2.231	0.626	0.646	346.00
10/03/02	100302C	Fuel Econ.	PW	0.067	1.418	0.526	0.555	284.86	0.069	1.050	0.468	0.493	267.20
10/03/02	100302D	NYCC	PW	0.226	8.074	1.042	1.122	704.57	0.201	6.621	0.982	1.057	654.70
10/03/02	100302E	US06	PW	0.088	4.889	2.124	2.309		0.119	6.274	1.988	2.161	367.70
10/04/02	100402A1	FTP Bag 1	DG	0.810	10.263	0.982	1.064	434.60	0.850	9.363	0.869	0.942	404.60
10/04/02	100402A2	FTP Bag 2	DG	0.049	2.946	0.398	0.431	442.24	0.044	2.375	0.396	0.429	415.60
10/04/02	100402B	FTP Bag 3	DG	0.091	3.076	0.702	0.767	373.33	0.095	2.601	0.617	0.674	352.10
10/04/02	100402C	Fuel Econ.	PW						0.060	1.044	0.430	0.467	266.90
10/04/02	100402D	NYCC	PW						0.239	7.680	0.895	0.973	654.50
10/04/02	100402E	US06	PW						0.081	4.750	1.892	2.087	361.50

**1997 OLDS ACHIEVA SL
MTBE GASOLINE**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh.adj NOx	H.unadj NOx	CO2	HC	CO	Kh.adj NOx	H.unadj NOx	CO2
10/08/02	100802B1	FTP Bag 1	DG						0.688	6.828	0.818		412.50
10/08/02	100802B2	FTP Bag 2	DG	0.036	2.413	0.514	0.601	406.07	0.028	2.086	0.458	0.535	413.80
10/08/02	100802C	FTP Bag 3	DG	0.086	2.800	0.716	0.857	377.22	0.076	2.425	0.649	0.776	349.90
10/08/02	100802E	Fuel Econ.	PW	0.072	1.322	0.463	0.553	295.97	0.075	1.012	0.440	0.526	270.00
10/08/02	100802F	NYCC	PW	0.181	6.936	0.979	1.176	701.59	0.153	5.877	0.914	1.098	656.00
10/08/02	100802G	US06	PW	0.060	3.973	2.038	2.462	407.11	0.064	3.498	1.801	2.175	376.80
10/09/02	100902A1	FTP Bag 1	DG	0.788	9.935	0.901	1.066	433.23	0.817	8.924	0.791	0.935	397.90
10/09/02	100902A2	FTP Bag 2	DG	0.036	2.807	0.465	0.550	435.53	0.030	2.278	0.440	0.520	410.40
10/09/02	100902B	FTP Bag 3	DG	0.102	3.130	0.714	0.849	383.14	0.081	2.683	0.629	0.748	348.70
10/09/02	100902C	Fuel Econ.	PW	0.047	1.064	0.480	0.572	294.79	0.038	0.766	0.467	0.556	266.70
10/09/02	100902D	NYCC	PW	0.168	6.444	1.005	1.197	710.48	0.143	5.382	0.944	1.124	659.80
10/09/02	100902E	US06	PW	0.065	4.924	1.819	2.162	397.69	0.071	4.505	1.662	1.976	366.40
10/10/02	101002A1	FTP Bag 1	DG	0.574	6.924	0.876	0.948	425.28	0.606	6.173	0.795	0.861	392.60
10/10/02	101002A2	FTP Bag 2	DG	0.031	2.455	0.393	0.426	430.14	0.027	2.036	0.381	0.412	406.10
10/10/02	101002B	FTP Bag 3	DG	0.074	3.103	0.701	0.759	381.05	0.066	2.721	0.624	0.676	351.90
10/10/02	101002C	Fuel Econ.	PW	0.059	1.235	0.528	0.572	294.93	0.065	1.003	0.463	0.502	267.80
10/10/02	101002D	NYCC	PW	0.168	5.694	1.021	1.106	713.97	0.141	4.771	0.925	1.002	661.40
10/10/02	101002E	US06	PW	0.071	4.956	2.039	2.210	395.76	0.075	4.703	1.819	1.972	371.80
10/11/02	101102A1	FTP Bag 1	DG	0.639	8.188	1.063	1.145	428.93	0.670	7.216	0.944	1.017	396.70
10/11/02	101102A2	FTP Bag 2	DG	0.035	2.909	0.477	0.514	436.98	0.029	2.422	0.465	0.501	411.80
10/11/02	101102B	FTP Bag 3	DG	0.085	2.814	0.721	0.773	380.19	0.072	2.404	0.631	0.677	353.70
10/11/02	101102C	Fuel Econ.	PW	0.055	1.383	0.554	0.592	297.30	0.059	1.031	0.475	0.507	272.40
10/11/02	101102D	NYCC	PW	0.196	6.775	1.043	1.122	723.38	0.165	5.476	0.920	0.990	664.40
10/11/02	101102E	US06	PW	0.111	6.620	1.686	1.805	397.69	0.118	6.146	1.638	1.754	366.20

**1997 OLDS ACHIEVA SL
NONOXY GASOLINE**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh..adj NOx	H.unadj NOx	CO2	HC	CO	Kh..adj NOx	H.unadj NOx	CO2
10/15/02	101502A1	FTP Bag 1	DG	1.366	15.723	0.960	1.162	429.24	1.330	14.347	0.865	1.047	403.60
10/15/02	101502A2	FTP Bag 2	DG		2.109	0.482	0.583	425.40	0.041	1.752	0.503	0.609	405.30
10/15/02	101502C	FTP Bag 3	DG	0.049	2.865	0.605	0.730	369.45	0.078	2.475	0.550	0.664	346.10
10/15/02	101502D	Fuel Econ.	PW	0.018	0.802	0.420	0.511	289.56	0.019	0.648	0.396	0.481	266.40
10/15/02	101502E	NYCC	PW	0.100	4.022	1.168	1.419	723.97	0.086	3.415	1.028	1.249	672.80
10/15/02	101502F	US06	PW	0.060	6.787	1.556	1.909	394.64	0.065	6.266	1.760	2.159	367.80
10/16/02	101602A1	FTP Bag 1	JM	0.783	11.017	0.848	0.955	423.37	0.790	9.915	0.751	0.846	379.70
10/16/02	101602A2	FTP Bag 2	JM	0.037	2.733	0.354	0.398	416.98	0.029	2.241	0.331	0.373	385.00
10/16/02	101602C	FTP Bag 3	JM	0.081	2.423	0.543	0.608	358.58	0.066	2.021	0.487	0.545	329.80
10/16/02	101602D	Fuel Econ.	PW	0.054	0.945	0.451	0.503	282.29	0.050	0.743	0.400	0.446	254.80
10/16/02	101602E	NYCC	PW	0.195	5.485	0.977	1.090	685.20	0.145	4.589	0.895	0.999	629.30
10/16/02	101602F	US06	PW	0.130	7.047	1.836	2.021	370.85	0.125	6.449	1.751	1.928	343.90
10/17/02	101702A1	FTP Bag 1	JM	0.791	10.509	0.926	1.056	414.13	0.813	9.390	0.835	0.952	375.40
10/17/02	101702A2	FTP Bag 2	JM		3.475	0.351	0.400	387.66	0.033	2.907	0.332	0.378	380.70
10/17/02	101702B	FTP Bag 3	JM	0.118	2.891	0.648	0.741	351.97	0.094	2.479	0.581	0.665	326.50
10/17/02	101702C	Fuel Econ.	PW	0.011	0.855	0.383	0.442	280.17	0.010	0.683	0.340	0.392	254.80
10/17/02	101702D	NYCC	JM	0.258	7.760	1.049	1.204	663.53	0.210	6.480	0.976	1.120	610.80
10/17/02	101702E	US06	JM	0.072	5.299	1.664	1.898	369.66	0.072	4.809	1.566	1.786	343.00
10/18/02	101802A1	FTP Bag 1	JM	0.668	9.667	0.899	1.057	416.63	0.710	8.645	0.812	0.955	386.00
10/18/02	101802A2	FTP Bag 2	JM		2.825	0.365	0.429	418.69	0.027	2.345	0.346	0.407	390.50
10/18/02	101802B	FTP Bag 3	JM	0.092	2.573	0.657	0.775	363.74	0.094	2.225	0.589	0.695	333.20
10/18/02	101802D	Fuel Econ.	Ri	0.054	1.068	0.421	0.497	282.32	0.044	0.811	0.387	0.456	259.30
10/18/02	101802E	NYCC	Di	0.240	10.639	0.871	1.027	678.61	0.184	9.172	0.824	0.972	633.90
10/18/02	101802F	US06	Di	0.080	5.819	1.314	1.552	376.17	0.078	5.225	1.299	1.534	346.20

**1997 OLDS ACHIEVA SL
EtOH GASOLINE**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh.adj NOx	H.unadj NOx	CO2	HC	CO	Kh.adj NOx	H.unadj NOx	CO2
10/22/02	102202A1	FTP Bag 1	DG		10.129	0.900	1.093	428.28	0.831	9.089	0.816	0.991	390.50
10/22/02	102202A2	FTP Bag 2	DG		2.446	0.313	0.381	419.43	0.030	1.965	0.385	0.468	393.50
10/22/02	102202B	FTP Bag 3	DG		2.736	0.694	0.844	373.24	0.072	2.320	0.640	0.779	342.40
10/22/02	102202C	Fuel Econ.	??		1.120	0.476	0.576	285.76	0.045	0.876	0.428	0.518	257.10
10/22/02	102202D	NYCC	Di		9.916	1.026	1.237	694.25	0.177	8.382	0.973	1.174	636.20
10/22/02	102202F	US06	Di		9.462	1.100	1.330	376.69	0.115	8.651	1.089	1.316	344.30
10/28/02	102802A1	FTP Bag 1	DG	0.894	8.019	0.874	1.048	412.04	0.897	7.147	0.781	0.937	379.70
10/28/02	102802A2	FTP Bag 2	DG	0.034	2.688	0.385	0.462	417.46	0.030	2.161	0.367	0.440	386.70
10/28/02	102802B	FTP Bag 3	DG	0.094	2.893	0.634	0.759	366.99	0.076	2.436	0.572	0.685	330.90
10/28/02	102802C	Fuel Econ.	JM	0.047	1.083	0.452	0.537	286.47	0.053	0.724	0.405	0.481	257.10
10/28/02	102802D	NYCC	JM	0.209	6.794	1.025	1.215	682.55	0.164	5.622	0.942	1.118	623.60
10/28/02	102802F	US06	JM	0.142	12.190	1.097	1.312	370.23	0.143	10.666	1.247	1.492	340.80
10/29/02	102902A1	FTP Bag 1	DG	1.001	10.524	0.926	1.141	438.68	1.006	9.478	0.819	1.009	393.10
10/29/02	102902A2	FTP Bag 2	DG	0.031	2.273	0.575	0.709	424.35	0.030	1.804	0.530	0.653	397.20
10/29/02	102902B	FTP Bag 3	DG	0.076	3.275	0.691	0.850	371.30	0.063	2.788	0.624	0.768	341.50
10/29/02	102902C	Fuel Econ.	Di	0.053	1.112	0.464	0.570	283.51	0.043	0.820	0.416	0.511	256.80
10/29/02	102902D	NYCC	Di	0.197	8.144	1.027	1.262	692.86	0.155	6.805	0.968	1.190	640.60
10/29/02	102902E	US06	Di	0.124	10.040	1.186	1.460	376.64	0.120	9.043	1.192	1.468	346.60
10/31/02	103102A1	FTP Bag 1	DG	0.755	8.511	0.767	0.957	417.86	0.760	7.471	0.701	0.874	375.80
10/31/02	103102A2	FTP Bag 2	DG	0.035	2.571	0.407	0.507	413.43	0.029	2.091	0.377	0.470	383.30
10/31/02	103102B	FTP Bag 3	DG	0.080	2.848	0.635	0.789	359.92	0.066	2.413	0.589	0.732	330.70
10/31/02	103102C	Fuel Econ.	??	0.045	1.059	0.411	0.510	284.01	0.037	0.796	0.375	0.466	253.20
10/31/02	103102D	NYCC	Bo	0.133	5.020	0.787	0.975	646.68	0.105	4.138	0.753	0.933	596.00
10/31/02	103102E	US06	Bo	0.105	9.414	1.164	1.440	371.08	0.105	8.393	1.188	1.469	339.60
11/01/02	110102A1	FTP Bag 1	DG	0.725	7.782	0.790	0.955	407.71	0.729	6.867	0.731	0.884	370.80
11/01/02	110102A2	FTP Bag 2	DG	0.035	2.431	0.371	0.449	407.99	0.030	1.984	0.354	0.428	378.50
11/01/02	110102B	FTP Bag 3	DG	0.076	2.812	0.672	0.810	352.61	0.063	2.429	0.612	0.738	325.20
11/01/02	110102C	Fuel Econ.	PW	0.057	1.067	0.452	0.543	279.34	0.058	0.774	0.412	0.494	252.50
11/01/02	110102D	NYCC	PW	0.160	5.124	0.953	1.141	674.58	0.123	4.287	0.882	1.055	616.00
11/01/02	110102G	US06	PW	0.142	10.469	1.276	1.541	364.91	0.144	9.339	1.290	1.558	330.10

**1997 OLDS ACHIEVA SL
FTP COMPOSITE GPM**

			bag gpm data					realtime gpm data				
date	test.id	fuel	HC	CO	Kh.adj NOx	H.unadj NOx	CO2	HC	CO	Kh.adj NOx	H.unadj NOx	CO2
10/01/02	100102FTP	cert gasoline start	0.200	3.240	0.627	0.651		0.196	2.801	0.589	0.611	392.48
10/02/02	100202FTP	cert gasoline start	0.158	3.243	0.684	0.643		0.162	2.820	0.635	0.597	381.64
10/03/02	100302FTP	cert gasoline start	0.164	3.497	0.576	0.593		0.161	2.948	0.553	0.569	383.46
10/04/02	100402FTP	cert gasoline start	0.218	4.501	0.603	0.655	421.70	0.225	3.888	0.555	0.603	395.85
10/08/02	100802FTP	MTBE gasoline						0.178	3.161	0.585		395.99
10/09/02	100902FTP	MTBE gasoline	0.210	4.371	0.624	0.739	420.68	0.207	3.765	0.565	0.669	390.89
10/10/02	101002FTP	MTBE gasoline	0.155	3.559	0.578	0.625	415.66	0.158	3.082	0.534	0.578	388.43
10/11/02	101102FTP	MTBE gasoline	0.174	3.978	0.665	0.716	419.71	0.174	3.411	0.610	0.656	392.71
10/15/02	101502FTP	nonoxy gasoline		5.136	0.615	0.743	410.85	0.318	4.559	0.591	0.715	388.71
10/16/02	101602FTP	nonoxy gasoline	0.204	4.367	0.508	0.572	402.24	0.197	3.773	0.461	0.518	368.71
10/17/02	101702FTP	nonoxy gasoline		4.773	0.552	0.629	383.34	0.212	4.134	0.505	0.576	364.71
10/18/02	101802FTP	nonoxy gasoline		4.179	0.557	0.655	403.12	0.188	3.623	0.510	0.600	373.78
10/22/02	102202FTP	EtOH gasoline		4.116	0.539	0.655	408.57	0.207	3.537	0.544	0.662	378.84
10/28/02	102802FTP	EtOH gasoline	0.228	3.846	0.554	0.665	402.51	0.222	3.267	0.509	0.610	369.96
10/29/02	102902FTP	EtOH gasoline	0.244	4.258	0.680	0.837	412.75	0.241	3.664	0.616	0.758	381.06
10/31/02	103102FTP	EtOH gasoline	0.197	3.879	0.544	0.678	399.65	0.191	3.296	0.502	0.626	367.29
11/01/02	110102FTP	EtOH gasoline	0.189	3.644	0.541	0.653	392.74	0.184	3.118	0.503	0.607	362.28
11/05/02	110502FTP	cert gasoline end	0.298	5.378	0.918	1.112	413.03	0.290	4.728	0.891	1.079	383.73
11/06/02	110602FTP	cert gasoline end	0.426	5.847	0.883	1.048		0.409	5.081	0.846	1.004	355.60
11/07/02	110702FTP	cert gasoline end	0.275	5.464	0.900	1.156	402.04	0.275	4.799	0.871	1.119	372.49
11/08/02	110802FTP	cert gasoline end	0.279	4.787	0.854	1.060	403.16	0.278	4.249	0.863	1.072	383.37

**1998 PLYMOUTH BREEZE
CERT GASOLINE START**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh..adj NOx	H.unadj NOx	CO2	HC	CO	Kh..adj NOx	H.unadj NOx	CO2
11/20/02	112002A1	FTP Bag 1	DG	1.021	6.682	1.148	1.392	378.60	1.044	6.678	1.267	1.536	390.00
11/20/02	112002A2	FTP Bag 2	DG	0.069	1.489	0.086	0.104	367.76	0.071	1.329	0.106	0.128	393.10
11/20/02	112002B	FTP Bag 3	DG	0.084	2.141	0.244	0.295	341.98	0.081	1.995	0.297	0.359	352.30
11/20/02	112002C	Fuel Econ.	DG	0.052	1.731	0.094	0.113	258.44	0.054	1.629	0.114	0.137	260.80
11/20/02	112002D	NYCC	DG	0.090	2.931	0.330	0.398	653.19	0.065	2.731	0.397	0.478	685.00
11/20/02	112002E	US06	DG	0.518	42.655	0.338	0.407	334.41	0.515	33.940	0.351	0.422	342.90
11/22/02	112202A1	FTP Bag 1	JM	0.976	6.179	1.275	1.510	370.12	0.991	6.278	1.419	1.680	373.90
11/22/02	112202A2	FTP Bag 2	JM	0.055	1.339	0.091	0.107	363.71	0.054	1.198	0.110	0.130	378.70
11/22/02	112202B	FTP Bag 3	JM	0.105	2.937	0.326	0.386	324.01	0.114	2.941	0.336	0.397	328.10
11/22/02	112202C	Fuel Econ.	PW	0.058	1.920	0.078	0.092	241.85	0.061	1.820	0.120	0.141	244.50
11/22/02	112202D	NYCC	PW	0.075	2.080	0.200	0.235	605.65	0.049	1.929	0.302	0.355	629.00
11/22/02	112202E	US06	PW	0.490	39.733	0.453	0.532	318.74	0.484	34.405	0.473	0.556	321.10
11/25/02	112502A1	FTP Bag 1	DG	1.091	5.069	1.253	1.541	378.89	1.111	5.195	1.423	1.750	391.90
11/25/02	112502A2	FTP Bag 2	DG	0.064	1.623	0.110	0.135	371.78	0.065	1.491	0.135	0.166	397.80
11/25/02	112502B	FTP Bag 3	DG	0.098	2.351	0.249	0.305	328.35	0.084	2.268	0.305	0.374	342.40
11/25/02	112502C	Fuel Econ.	PW	0.059	1.851	0.113	0.138	255.85	0.059	1.765	0.139	0.170	258.50
11/25/02	112502D	NYCC	DG	0.089	2.465	0.293	0.359	619.05	0.061	2.252	0.371	0.454	658.40
11/25/02	112502E	US06	DG	0.571	45.219	0.470	0.575	319.62	0.572	40.392	0.469	0.574	331.00
11/26/02	112602A1	FTP Bag 1	JM	1.183	6.276	1.360	1.668	388.64	1.192	6.408	1.605	1.968	402.80
11/26/02	112602A2	FTP Bag 2	JM	0.056	1.349	0.096	0.118	371.59	0.056	1.193	0.119	0.146	400.60
11/26/02	112602B	FTP Bag 3	JM	0.087	1.965	0.263	0.322	333.07	0.073	1.868	0.341	0.418	347.60
11/26/02	112602C	Fuel Econ.	JM	0.058	1.760	0.098	0.121	255.84	0.046	1.689	0.122	0.150	260.50
11/26/02	112602D	NYCC	JM	0.139	3.443	0.259	0.318	623.00	0.107	3.157	0.312	0.383	656.30
11/26/02	112602E	US06	JM	0.590	46.120	0.436	0.537	318.79	0.589	40.203	0.464	0.572	328.80

**1998 PLYMOUTH BREEZE
MTBE GASOLINE**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh.adj NOx	H.unadj NOx	CO2	HC	CO	Kh.adj NOx	H.unadj NOx	CO2
12/03/02	120302C	FTP Bag 3	DG	0.080	1.264	0.348	0.457	332.87	0.067	1.189	0.356	0.468	346.10
12/03/02	120302D	Fuel Econ.	PW	0.044	1.349	0.131	0.172	252.56	0.046	1.258	0.138	0.181	256.50
12/03/02	120302E	NYCC	PW	0.088	2.510	0.409	0.536	627.80	0.072	2.278	0.442	0.580	673.00
12/03/02	120302F	US06	PW	0.408	35.544	0.447	0.586	320.52	0.416	34.554	0.452	0.592	324.80
12/04/02	120402A1	FTP Bag 1	DG	1.869	18.816	0.546	0.711	393.60	1.924	19.355	0.549	0.715	406.90
12/04/02	120402A2	FTP Bag 2	DG	0.042	0.710	0.086	0.112	376.56	0.060	0.568	0.112	0.146	405.20
12/04/02	120402C	FTP Bag 3	DG		1.946	0.338	0.440	331.94		1.820	0.344	0.448	343.90
12/04/02	120402D	Fuel Econ.	DG	0.074	1.189	0.197	0.257		0.089	1.170	0.217	0.282	259.80
12/04/02	120402E	NYCC	DG	0.281	5.240	0.390	0.506		0.254	5.705	0.494	0.642	690.10
12/04/02	120402F	US06	DG						0.419	31.409	0.430	0.559	328.30
12/05/02	120502A1	FTP Bag 1	JM	1.664	8.290	0.541	0.696	394.44	1.619	8.349	0.552	0.710	405.70
12/05/02	120502A2	FTP Bag 2	JM	0.041	0.755	0.109	0.140	369.00	0.050	0.593	0.131	0.169	396.10
12/05/02	120502B	FTP Bag 3	JM	0.069	1.147	0.359	0.461	328.30	0.057	1.072	0.374	0.481	341.80
12/05/02	120502C	Fuel Econ.	JM	0.049	1.216	0.129	0.166	248.22	0.038	1.111	0.130	0.167	257.10
12/05/02	120502D	NYCC	JM	0.196	3.862	0.312	0.399	600.26	0.158	3.746	0.321	0.412	643.30
12/05/02	120502E	US06	JM	0.349	33.009	0.364	0.467	316.47	0.359	30.334	0.379	0.486	325.20
12/06/02	120602B1	FTP Bag 1	DG	1.078	4.805	0.708	0.893	388.98	1.094	4.842	0.728	0.919	395.50
12/06/02	120602B2	FTP Bag 2	DG	0.038	0.797	0.083	0.105	365.16	0.044	0.672	0.092	0.116	391.60
12/06/02	120602C	FTP Bag 3	DG	0.072	1.339	0.268	0.338	323.99	0.057	1.260	0.291	0.367	333.50
12/06/02	120602D	Fuel Econ.	DG	0.042	1.168	0.113	0.143	250.73	0.033	1.091	0.119	0.150	254.40
12/06/02	120602E	NYCC	DG	0.090	2.532	0.439	0.551	610.88	0.070	2.421	0.479	0.602	653.30
12/06/02	120602F	US06	DG	0.359	31.730	0.394	0.494	315.68	0.375	30.334	0.402	0.504	328.80

**1998 PLYMOUTH BREEZE
NONOXY GASOLINE**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh..adj NOx	H.unadj NOx	CO2	HC	CO	Kh..adj NOx	H.unadj NOx	CO2
12/10/02	121002C	FTP Bag 3	DG	0.068	1.513	0.349	0.455	319.06	0.059	1.432	0.352	0.459	349.00
12/10/02	121002D	Fuel Econ.	PW	0.040	0.731	0.116	0.151	246.36	0.032	0.668	0.119	0.155	254.60
12/10/02	121002E	NYCC	PW	0.073	2.350	0.404	0.526	612.82	0.057	2.233	0.455	0.593	669.50
12/10/02	121002F	US06	PW	0.295	31.707	0.258	0.336	310.50	0.312	32.193	0.256	0.333	323.40
12/11/02	121102A1	FTP Bag 1	JM	1.653	7.588	0.496	0.641	374.17	1.503	7.533	0.509	0.657	396.50
12/11/02	121102A2	FTP Bag 2	JM	0.027	0.356	0.051	0.066	359.39	0.038	0.236	0.054	0.070	392.70
12/11/02	121102B	FTP Bag 3	JM		1.631	0.321	0.413	316.65		1.539	0.334	0.430	338.60
12/11/02	121102D	Fuel Econ.	JM	0.053	0.670	0.168	0.216	244.46	0.061	0.603	0.167	0.215	253.50
12/11/02	121102E	NYCC	PW		1.853	0.294	0.377	611.04		1.661	0.333	0.427	657.80
12/11/02	121102F	US06	PW	0.337	36.090	0.263	0.336	308.42	0.350	35.595	0.279	0.358	319.50
12/12/02	121202A1	FTP Bag 1	DG	1.306	14.145	0.785	0.950	362.13	1.351	14.444	0.789	0.954	384.40
12/12/02	121202A2	FTP Bag 2	DG	0.025	0.394	0.058	0.071	358.71	0.034	0.323	0.073	0.088	388.30
12/12/02	121202B	FTP Bag 3	DG	0.066	1.368	0.248	0.299	314.91	0.057	1.358	0.273	0.329	335.80
12/12/02	121202C	Fuel Econ.	PW	0.035	0.551	0.072	0.087	239.07	0.030	0.496	0.076	0.092	247.10
12/12/02	121202D	NYCC	PW	0.088	2.086	0.361	0.434	611.05	0.066	1.998	0.404	0.486	649.50
12/12/02	121202E	US06	PW	0.397	36.834	0.257	0.308	306.11	0.411	36.238	0.276	0.332	316.50
12/13/02	121302A1	FTP Bag 1	DG	1.135	6.400	1.129	1.400	377.41	1.166	6.537	1.253	1.554	401.00
12/13/02	121302A2	FTP Bag 2	DG	0.034	0.412	0.052	0.065	362.80	0.034	0.306	0.061	0.076	394.50
12/13/02	121302B	FTP Bag 3	DG	0.071	1.062	0.228	0.281	317.35	0.057	1.001	0.252	0.311	337.60
12/13/02	121302C	Fuel Econ.	DG	0.041	0.583	0.117	0.144	244.39	0.034	0.524	0.124	0.153	250.60
12/13/02	121302D	NYCC	DG						0.052	1.232	0.289	0.354	635.40
12/13/02	121302E	US06	DG	0.314	30.205	0.286	0.350	314.91	0.324	28.376	0.288	0.352	320.60

**1998 PLYMOUTH BREEZE
EtOH GASOLINE**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh.adj NOx	H.unadj NOx	CO2	HC	CO	Kh.adj NOx	H.unadj NOx	CO2
12/16/02	121602B	FTP Bag 3	JM	0.061	1.053	0.260	0.319	301.91	0.053	0.970	0.294	0.361	320.90
12/16/02	121602C	Fuel Econ.	JM	0.036	0.698	0.109	0.134	234.23	0.032	0.627	0.117	0.144	239.30
12/16/02	121602D	NYCC	JM	0.115	3.562	0.376	0.462	572.00	0.092	3.499	0.415	0.509	618.50
12/16/02	121602E	US06	JM	0.304	30.495	0.276	0.338	297.25	0.320	28.857	0.289	0.355	307.20
12/17/02	121702B1	FTP Bag 1	DG	1.300	7.036	0.495	0.644	382.05	1.344	7.130	0.501	0.651	411.70
12/17/02	121702B2	FTP Bag 2	DG	0.030	0.383	0.053	0.069	361.92	0.043	0.270	0.074	0.096	401.60
12/17/02	121702C	FTP Bag 3	DG	0.061	0.799	0.281	0.365	323.68	0.049	0.700	0.295	0.383	349.90
12/17/02	121702D	Fuel Econ.	PW	0.033	0.549	0.080	0.104	249.70	0.026	0.469	0.083	0.108	256.80
12/17/02	121702E	NYCC	PW	0.095	2.171	0.254	0.328	604.35	0.069	2.009	0.298	0.385	670.20
12/17/02	121702F	US06	PW	0.327	31.470	0.249	0.323		0.346	31.208	0.255	0.330	
12/18/02	121802A1	FTP Bag 1	DG	1.721	13.166	0.456	0.594	377.48	1.702	13.229	0.460	0.600	404.60
12/18/02	121802A2	FTP Bag 2	DG	0.039	0.423	0.052	0.067	365.88	0.049	0.265	0.060	0.078	404.10
12/18/02	121802B	FTP Bag 3	DG	0.062	0.728	0.217	0.283	315.81	0.054	0.625	0.232	0.302	343.50
12/18/02	121802C	Fuel Econ.	PW	0.038	0.505	0.081	0.105	250.00	0.031	0.438	0.082	0.106	256.30
12/18/02	121802D	NYCC	PW	0.075	1.806	0.309	0.400	613.19	0.061	1.655	0.338	0.437	666.30
12/18/02	121802E	US06	PW	0.328	33.971	0.275	0.356	314.99	0.342	34.315	0.273	0.353	324.80
12/19/02	121902A1	FTP Bag 1	DG	1.314	6.379	0.429	0.554	372.23	1.299	6.401	0.438	0.566	395.20
12/19/02	121902A2	FTP Bag 2	DG	0.037	0.377	0.053	0.069	363.10	0.042	0.211	0.062	0.080	393.20
12/19/02	121902B	FTP Bag 3	DG	0.065	0.869	0.223	0.287	312.10	0.055	0.764	0.240	0.309	335.10
12/19/02	121902D	NYCC	DG	0.060	0.862	0.182	0.233	580.84	0.049	0.640	0.197	0.252	631.30
12/19/02	121902E	US06	DG	0.295	24.719	0.286	0.366	309.13	0.304	22.950	0.298	0.382	314.40
12/19/02	121902F	Fuel Econ.	DG	0.041	0.427	0.069	0.088	239.75	0.029	0.345	0.071	0.091	247.10

**1998 PLYMOUTH BREEZE
CERT GASOLINE END**

				bag gpm data					realtime gpm data				
date	test.id	cycle	driver	HC	CO	Kh..adj NOx	H.unadj NOx	CO2	HC	CO	Kh..adj NOx	H.unadj NOx	CO2
12/20/02	122002B	FTP Bag 3	JM	0.054	1.742	0.496	0.548	310.49	0.042	1.692	0.483	0.533	327.40
12/20/02	122002C	Fuel Econ.	JM	0.025	1.375	0.266	0.292	249.30	0.023	1.325	0.266	0.292	255.90
12/20/02	122002D	NYCC	JM	0.074	2.068	0.382	0.417		0.050	1.963	0.399	0.436	
12/20/02	122002E	US06	JM										
12/23/02	122302A1	FTP Bag 1	JM	1.151	5.134	1.241	1.545	362.84	1.197	5.304	1.358	1.691	384.70
12/23/02	122302A2	FTP Bag 2	JM	0.024	0.692	0.113	0.140	358.30	0.028	0.554	0.130	0.162	385.00
12/23/02	122302B	FTP Bag 3	JM	0.051	1.313	0.302	0.376	314.16	0.033	1.222	0.335	0.416	332.40
12/23/02	122302C	Fuel Econ.	JM	0.021	0.749	0.196	0.244	243.61	0.024	0.676	0.199	0.247	248.30
12/23/02	122302D	NYCC	JM	0.087		0.533	0.663	638.62	0.032		0.495	0.615	648.10
12/23/02	122302E	US06	JM	0.322	34.037	0.341	0.425	309.15	0.335	30.817	0.360	0.448	322.50
12/24/02	122402A1	FTP Bag 1	JM	0.862	4.141	0.500	0.629		1.005	4.704	0.580	0.730	
12/24/02	122402A2	FTP Bag 2	JM	0.025	0.424	0.077	0.096		0.030	0.318	0.105	0.132	
12/24/02	122402B	FTP Bag 3	JM	0.042	0.636	0.265	0.335		0.040	0.613	0.321	0.406	
12/24/02	122402C	Fuel Econ.	PW	0.020	0.475	0.092	0.117		0.019	0.488	0.114	0.144	
12/24/02	122402D	NYCC	PW	0.060	2.270	0.293	0.371		0.048	2.484	0.394	0.498	660.10
12/24/02	122402E	US06	PW						0.342	33.443	0.299	0.378	325.20
12/27/02	122702B2	FTP Bag 2	JM	0.034	0.476	0.060	0.077	373.62	0.038	0.333	0.070	0.089	406.70
12/27/02	122702C	FTP Bag 3	JM	0.062	1.005	0.256	0.328	326.34	0.051	0.921	0.282	0.361	349.30
12/27/02	122702D	Fuel Econ.	JM	0.025	0.527	0.086	0.110	250.52	0.022	0.470	0.092	0.117	261.90
12/27/02	122702E	NYCC	JM	0.069	2.608	0.391	0.497	610.56	0.071	2.468	0.454	0.577	662.70
12/27/02	122702F	US06	JM	0.345	34.845	0.303	0.386	316.11	0.354	33.294	0.297	0.378	330.30

**1998 PLYMOUTH BREEZE
FTP COMPOSITE GPM**

			bag gpm data					realtime gpm data				
			HC	CO	Kh..adj NOx	H.unadj NOx	CO2	HC	CO	Kh..adj NOx	H.unadj NOx	CO2
date	test.id	fuel										
11/20/02	112002FTP	cert gasoline start	0.271	2.745	0.349	0.423	362.94	0.276	2.621	0.399	0.484	381.28
11/22/02	112202FTP	cert gasoline start	0.259	2.775	0.400	0.473	354.18	0.264	2.724	0.442	0.523	363.88
11/25/02	112502FTP	cert gasoline start	0.286	2.537	0.385	0.473	361.33	0.287	2.472	0.449	0.552	381.37
11/26/02	112602FTP	cert gasoline start	0.298	2.539	0.404	0.495	364.55	0.296	2.458	0.488	0.598	386.51
12/03/02	120302FTP	MTBE gasoline	0.317	2.321	0.317	0.417	375.95	0.316	2.184	0.335	0.440	397.49
12/04/02	120402FTP	MTBE gasoline		4.800	0.251	0.326	367.85		4.804	0.266	0.347	388.73
12/05/02	120502FTP	MTBE gasoline	0.385	2.422	0.267	0.343	363.10	0.377	2.329	0.285	0.366	383.20
12/06/02	120602FTP	MTBE gasoline	0.263	1.777	0.263	0.332	358.80	0.265	1.698	0.278	0.351	376.47
12/10/02	121002FTP	nonoxy gasoline	0.388	2.904	0.276	0.361	357.28	0.385	2.886	0.282	0.368	392.19
12/11/02	121102FTP	nonoxy gasoline		2.203	0.218	0.280	350.73		2.104	0.225	0.290	378.65
12/12/02	121202FTP	nonoxy gasoline	0.301	3.511	0.261	0.315	347.41	0.313	3.534	0.276	0.334	373.10
12/13/02	121302FTP	nonoxy gasoline	0.273	1.832	0.324	0.401	353.34	0.275	1.789	0.361	0.447	380.21
12/16/02	121602FTP	EtOH gasoline	0.323	2.967	0.343	0.421	334.34	0.343	2.992	0.386	0.474	358.92
12/17/02	121702FTP	EtOH gasoline	0.302	1.875	0.207	0.269	355.59	0.314	1.809	0.223	0.290	389.49
12/18/02	121802FTP	EtOH gasoline	0.393	3.140	0.181	0.235	354.56	0.392	3.043	0.190	0.247	387.61
12/19/02	121902FTP	EtOH gasoline	0.309	1.753	0.177	0.229	351.02	0.305	1.642	0.188	0.243	377.70
12/20/02	122002FTP	cert gasoline end	0.221	2.391	0.517	0.577	342.05	0.222	2.352	0.570	0.636	362.81
12/23/02	122302FTP	cert gasoline end	0.265	1.784	0.399	0.496	347.13	0.272	1.722	0.441	0.549	370.50
12/24/02	122402FTP	cert gasoline end	0.203	1.251	0.216	0.272		0.235	1.307	0.263	0.331	