

Data class	Compound	Tobacco										Smoke ISO										Smoke INT																																			
		benzene	toluene	styrene	propylene glycol	glycerol	tar	benzene	CO	formaldehyde	acetaldehyde	acrolein	1,3-Butadiene	benzene	1,2,4-trimethyl-Benzene	1,3,5-trimethyl-Benzene	ethylbenzene	m-Xylene	n-Propylbenzene	o-Xylene	styrene	tert-Butylbenzene	toluene	2,5-dimethyl-Furan	phenol	naphthalene	sec-Butylbenzene	cis-1,3-dichloro-1-Propene	trans-1,3-dichloro-1-Propene	trichloromethane	tar	nicotine	CO	formaldehyde	acetaldehyde	acrolein	1,3-Butadiene	benzene	1,2,4-trimethyl-Benzene	1,3,5-trimethyl-Benzene	ethylbenzene	m-Xylene	n-Propylbenzene	o-Xylene	styrene	tert-Butylbenzene	toluene	2,5-dimethyl-Furan	isoprene	naphthalene	sec-Butylbenzene	cis-1,3-dichloro-1-Propene	trans-1,3-dichloro-1-Propene	trichloromethane			
Tobacco	Sucrose	1.000	0.290	-0.158	0.328	0.023	0.454	0.206	0.197	0.244	0.157	0.171	0.249	0.191	0.210	0.163	0.194	0.222	0.188	0.181	0.194	0.280	0.166	0.214	0.250	0.122	0.099	0.004	-0.097	-0.252	0.075	-0.148	0.377	0.117	0.205	0.606	0.373	0.348	0.174	0.118	0.073	0.064	0.159	0.012	0.087	0.076	0.256	-0.035	0.103	0.145	0.009	-0.087	-0.017	0.259	0.119	-0.049	-0.153
	Glucose	0.290	1.000	0.890	0.996	-0.292	-0.157	-0.078	0.076	-0.072	-0.213	-0.060	-0.063	0.000	0.043	0.066	0.067	0.059	0.107	0.108	0.105	0.085	0.021	0.210	0.122	0.036	0.074	-0.246	-0.336	-0.082	-0.149	-0.077	0.160	-0.223	0.600	-0.124	-0.084	-0.148	-0.128	-0.023	0.069	-0.062	0.135	-0.005	0.133	-0.028	0.357	-0.182	-0.611	-0.073	-0.214	-0.174	-0.200	-0.100	-0.330	-0.361	
	Fructose	-0.158	0.890	1.000	0.863	-0.292	-0.364	-0.192	-0.014	-0.196	-0.293	-0.131	-0.167	-0.089	-0.051	0.021	-0.023	-0.046	0.026	-0.059	-0.001	-0.114	0.141	-0.088	0.327	0.190	-0.090	0.062	-0.261	-0.246	-0.120	-0.098	-0.266	0.118	-0.315	0.110	-0.264	-0.216	-0.188	-0.143	-0.071	0.228	-0.091	0.188	0.004	0.154	-0.112	0.406	-0.191	0.603	0.108	-0.202	-0.169	-0.351	-0.181	0.006	-0.269
	Sugars total	0.355	0.996	0.863	1.000	-0.278	-0.120	-0.068	0.089	-0.057	-0.198	-0.044	-0.040	0.013	0.057	0.085	0.078	-0.072	0.119	0.037	0.097	0.037	0.218	0.026	0.433	0.236	-0.031	0.068	-0.267	-0.352	-0.075	-0.186	-0.051	0.169	-0.199	0.401	-0.083	-0.048	-0.117	-0.102	-0.023	0.224	-0.033	0.152	0.019	0.154	0.003	0.355	-0.155	0.623	0.086	-0.224	-0.171	-0.187	-0.098	-0.028	-0.353
	Propylene glycol	0.023	-0.292	-0.292	-0.278	1.000	0.014	0.147	0.080	0.176	-0.059	0.144	0.190	0.107	0.108	0.076	0.014	0.049	0.023	-0.051	0.016	0.058	-0.055	0.111	-0.015	-0.042	-0.001	-0.124	0.098	-0.149	-0.056	0.118	0.101	-0.024	0.193	0.055	0.086	0.332	0.168	0.208	0.326	0.021	0.206	0.050	0.154	0.061	0.255	-0.207	0.226	-0.048	-0.066	0.189	0.357	0.440	-0.127	0.062	-0.033
	Glycerol	0.454	-0.157	-0.364	-0.120	0.014	1.000	0.153	0.164	0.149	-0.160	0.106	0.141	0.029	0.064	0.121	0.176	0.130	0.122	0.170	0.109	0.166	0.066	0.227	0.105	-0.008	0.015	-0.169	0.127	0.132	-0.148	0.102	-0.083	-0.046	0.346	0.331	0.293	0.017	-0.012	0.041	0.116	0.084	-0.002	0.020	0.011	0.174	0.089	0.044	-0.215	0.012	-0.022	0.071	0.099	-0.148	-0.200	-0.096	
	tar	0.206	-0.078	-0.192	-0.068	0.147	0.153	1.000	0.858	0.930	0.649	0.707	0.730	0.877	0.840	0.625	0.843	0.874	0.844	0.794	0.860	0.833	0.672	0.870	0.724	0.741	0.648	0.155	0.567	0.112	0.358	-0.014	0.551	0.525	-0.132	0.394	-0.054	0.047	-0.112	-0.084	0.180	0.125	-0.031	-0.054	0.024	0.012	0.129	0.004	-0.053	-0.038	-0.389	0.474	0.371	0.649	0.043	-0.346	-0.105
	Nicotine	0.197	0.076	-0.014	0.089	0.080	0.164	0.858	1.000	0.853	0.548	0.713	0.707	0.820	0.796	0.714	0.810	0.837	0.820	0.746	0.831	0.809	0.726	0.828	0.751	0.763	0.598	0.398	0.477	0.566	-0.213	0.462	-0.036	0.010	-0.104	-0.081	0.117	0.201	0.033	0.027	0.045	0.056	0.163	0.073	-0.054	0.649	-0.281	0.339	0.237	0.534	-0.083	-0.313	-0.208				
	CO	0.244	-0.072	-0.196	-0.057	0.176	0.149	0.930	0.853	1.000	0.542	0.658	0.678	0.892	0.876	0.606	0.807	0.860	0.834	0.738	0.808	0.808	0.674	0.886	0.751	0.752	0.642	0.601	0.372	0.017	0.340	0.034	0.580	0.512	-0.018	0.394	0.035	0.166	0.004	0.091	0.107	0.195	0.127	0.073	0.140	0.125	0.244	0.074	0.108	0.049	-0.246	0.215	0.276	0.549	0.096	-0.331	-0.133
	Formaldehyde	0.157	-0.213	-0.293	-0.198	-0.059	0.160	0.649	0.548	0.542	1.000	0.607	0.620	0.654	0.528	0.396	0.540	0.620	0.546	0.565	0.580	0.653	0.336	0.549	0.349	0.487	0.547	0.254	0.576	0.193	0.150	-0.073	0.435	0.356	-0.033	0.307	0.072	0.001	-0.153	-0.199	-0.037	-0.071	-0.134	-0.223	-0.112	-0.149	0.039	-0.207	-0.169	-0.289	-0.370	0.410	0.226	0.528	0.189	-0.076	0.432
Acetaldehyde	0.171	-0.060	-0.131	-0.044	0.144	0.106	0.707	0.713	0.658	0.607	1.000	0.968	0.767	0.783	0.669	0.722	0.756	0.720	0.687	0.737	0.809	0.511	0.727	0.557	0.670	0.646	0.153	0.395	-0.137	0.131	-0.025	0.164	0.319	-0.312	0.594	0.163	0.150	0.011	0.010	0.369	0.325	0.139	0.120	0.187	0.199	0.409	0.000	0.045	-0.028	-0.216	0.431	0.384	0.594	-0.369	-0.304	-0.186	
Acrolein	0.249	-0.063	-0.167	-0.040	0.190	0.141	0.730	0.707	0.678	0.620	0.968	1.000	0.781	0.698	0.675	0.720	0.758	0.716	0.679	0.736	0.818	0.488	0.718	0.550	0.679	0.652	0.189	0.435	-0.089	0.067	-0.054	0.259	0.372	-0.224	0.605	0.152	0.199	0.300	0.023	0.439	0.299	0.144	0.115	0.181	0.192	0.395	-0.008	0.046	0.003	-0.224	0.459	0.421	0.660	-0.298	-0.234	-0.149	
1,3-Butadiene	0.191	0.000	-0.089	0.013	0.107	0.029	0.877	0.820	0.892	0.654	0.781	1.000	0.910	0.664	0.857	0.909	0.876	0.716	0.619	0.886	0.859	0.655	0.900	0.786	0.851	0.737	0.142	0.468	0.074	0.259	-0.009	0.494	0.541	-0.054	0.436	0.012	0.130	0.019	-0.001	0.170	0.157	0.034	0.042	0.096	0.105	0.145	0.028	-0.003	0.667	0.053	-0.200	-0.028					
Benzene	0.210	0.043	-0.051	0.057	0.108	0.064	0.840	0.796	0.876	0.528	0.703	0.698	0.910	1.000	0.747	0.946	0.971	0.967	0.893	0.962	0.917	0.845	0.990	0.893	0.870	0.612	0.098	0.341	-0.070	0.226	0.030	0.323	0.341	-0.218	0.430	-0.050	0.041	-0.139	0.019	0.067	0.312	0.073	0.141	0.150	0.196	0.232	0.252	0.045	0.122	-0.274	0.275	0.385	0.428	0.048	-0.263	-0.142	
1,2,4-trimethyl-Benzene	0.163	0.066	0.021	0.085	0.076	0.121	0.625	0.714	0.606	0.396	0.669	0.675	0.664	0.747	1.000	0.779	0.771	0.783	0.707	0.784	0.784	0.786	0.730	0.720	0.708	0.243	0.304	-0.170	0.012	-0.074	0.039	0.165	-0.385	0.375	-0.182	-0.187	-0.140	0.196	0.255	-0.035	0.078	0.202	0.107	0.175	0.202	0.202	0.044	0.044	-0.288	0.406	0.250	0.348	-0.174	-0.197	-0.179		
1,3,5-trimethyl-Benzene	0.194	0.067	-0.023	0.078	0.014	0.176	0.843	0.810	0.807	0.540	0.722	0.720	0.857	0.946	0.779	1.000	0.979	0.985	0.916	0.988	0.953	0.904	0.964	0.868	0.856	0.714	0.169	0.420	0.247	0.071	0.237	0.312	-0.378	0.430	-0.099	-0.052	-0.247	-0.120	0.096	0.314	-0.023	0.095	0.072	0.148	0.170	0.283	-0.071	0.364	0.428	0.414	-0.852	-0.257	-0.220				
Ethylbenzene	0.222	0.059	-0.046	0.072	0.049	0.130	0.874	0.837	0.860	0.620	0.756	0.758	0.909	0.971	0.771	0.979	1.000	0.988	0.916	0.990	0.971	0.858	0.985	0.871	0.870	0.689	0.149	0.428	-0.045	0.228	0.036	0.311	0.353	-0.311	0.458	-0.079	-0.013	-0.218	-0.097	0.101	0.281	-0.009	0.065	0.068	0.127	0.193	0.213	-0.062	0.052	-0.335	0.352	0.414	0.477	-0.011	-0.241	-0.151	
m-Xylene	0.188	0.107	0.026	0.119	0.023	0.122	0.844	0.820	0.834	0.546	0.720	0.716	0.876	0.967	0.783	0.985	0.988	1.000	0.918	0.994	0.941	0.806	0.979	0.900	0.894	0.689	0.177	0.391	-0.055	0.240	0.074	0.254	0.324	-0.353	0.445	-0.108	-0.046	-0.231	-0.082	0.090	0.341	0.001	0.136	0.102	0.182	0.180	0.312	-0.045	0.116	-0.221	0.336	0.404	0.399	-0.051	-0.227	-0.179	
n-Propylbenzene	0.181	0.025	-0.059	0.037	-0.051	0.170	0.794	0.746	0.738	0.565	0.687	0.679	0.811	0.893	0.707	0.916	0.916	0.918	1.000	0.920	0.882	0.810	0.907	0.808	0.846	0.700	0.159	0.438	0.002	0.250	0.044	0.258	0.300	-0.325	0.400	-0.054	-0.048	-0.165	-0.089	0.067	0.274	-0.024	0.068	0.084	0.114	0.136	0.228	-0.057	0.010	-0.258	0.370	0.371	0.402	-0.032	-0.183	-0.116	
o-Xylene	0.194	0.085	-0.001	0.097	0.016	0.109	0.860	0.831	0.830	0.580	0.737	0.736	0.886	0.962	0.784	0.988	0.990	0.994	0.920	1.000	0.956	0.891	0.976	0.887	0.880	0.715	0.187	0.419	-0.024	0.243	0.064	0.279	0.349	-0.339	0.441	-0.105	-0.053	-0.229	-0.105	0.102	0.309	-0.024	0.099	0.079	0.151	0.164	0.268	-0.067	0.089	-0.320	0.377	0.427	0.429	-0.029	-0.222	-0.158	
Styrene	0.280	0.021	-0.114	0.037	0.058	0.166	0.853	0.809	0.808	0.653	0.809	0.818	0.859	0.917	0.786	0.953	0.971	0.941	0.812	0.956	1.000	0.802	0.940	0.793	0.801	0.729	0.149	0.450	-0.077	0.160	-0.012																										