

Calibration Report

LabName: Thermo Laboratory
InstID: Thermo GC-MS
OperatorID: Thermo User
Batch: EPAMethod8270Curve_032406_h

Method: EPAMethod8270Curve_032406_h.mext
 (EPAMethod8270)
Cali File: EPAMethod8270Curve_032406_h.xml

Compound Name	1	2	3	4	5	6	RRF	%RSD	R^2 Flag
N-Nitrosodimethylamine	0.539	0.554	0.566	0.567	0.566	0.557	A	0.558	1.96
Pyridine_RCRA	1.832	1.920	2.011	1.924	1.911	1.876	A	1.912	3.12
2-Picoline	2.105	2.121	2.277	2.041	2.148	2.123	A	2.136	3.65
N-Nitrosomethylethylamine	0.942	0.960	0.981	0.948	0.964	0.963	A	0.960	1.40
Methyl_methanesulfonate	0.696	0.684	0.689	0.610	0.567	0.545	A	0.632	10.57
2-fluorophenol(sur)	1.507	1.600	1.669	1.626	1.609	1.665	A	1.613	3.66
N-Nitrosodiethylamine_APP	0.838	0.848	0.937	0.897	0.914	0.935	A	0.895	4.77
Ethyl_methanesulfonate	1.075	1.135	1.155	1.103	1.095	1.078	A	1.107	2.88
phenol-d5(sur)	1.883	1.963	2.076	2.104	2.122	2.054	A	2.034	4.54
Phenol(CCC)	2.118	2.190	2.335	2.327	2.410	2.312	A	2.282	4.70
Aniline	2.560	2.910	3.127	3.039	3.054	3.058	A	2.958	7.01
Bis(2-chloroethyl)ether	1.971	1.997	1.999	1.985	1.976	1.967	A	1.982	0.67
Pentachloroethane	0.455	0.486	0.481	0.478	0.472	0.468	A	0.473	2.30
2-chlorophenol	1.563	1.649	1.736	1.707	1.790	1.782	A	1.704	5.07
1,3-Dichlorobenzene	1.631	1.627	1.702	1.635	1.640	1.580	A	1.636	2.38
1,4-DICHLOROBENZENE-	3881060	4044654	4176190	4183477	3740226	3803909	I		4.80
1,4-Dichlorobenzene(CCC)	1.651	1.644	1.719	1.625	1.668	1.619	A	1.654	2.19
Benzyl_alcohol	1.027	1.055	1.071	1.102	1.109	1.117	A	1.080	3.26
1,2-Dichlorobenzene	1.544	1.535	1.599	1.572	1.585	1.513	A	1.558	2.10
2-methylphenol	1.282	1.309	1.372	1.359	1.408	1.395	A	1.354	3.64
Bis(2-chloroisopropyl)ether	3.677	3.679	3.770	3.737	4.015	4.010	A	3.815	4.12
N-Nitrosopyrrolidine_APP9	0.798	0.863	0.889	0.916	1.032	1.038	A	0.923	10.36
3-Methylphenol&4-methylp	1.628	1.711	1.813	1.747	1.859	1.764	A	1.754	4.59
Acetophenone	0.681	0.702	0.699	0.693	0.717	0.658	A	0.692	2.94
o-toluidine_APP9	0.712	0.785	0.800	0.766	0.810	0.800	A	0.779	4.63
N-Nitroso-di-N-propylamine	0.649	0.659	0.718	0.681	0.723	0.702	A	0.689	4.48
Hexachloroethane	0.650	0.658	0.675	0.650	0.662	0.666	A	0.660	1.44
nitrobenzene-d5(sur)	0.283	0.289	0.299	0.323	0.338	0.348	A	0.313	8.60
Nitrobenzene	0.141	0.151	0.152	0.156	0.173	0.177	A	0.158	8.83
N-Nitrosopiperidine	0.245	0.259	0.274	0.276	0.292	0.287	A	0.272	6.42
Isophorone	0.755	0.803	0.820	0.786	0.830	0.812	A	0.801	3.37
2-Nitrophenol(CCC)	0.112	0.121	0.128	0.128	0.140	0.141	A	0.128	8.50
2,4-Dimethylphenol	0.427	0.457	0.456	0.460	0.467	0.476	A	0.457	3.61
Bis(2-chloroethoxy)methane	0.618	0.644	0.659	0.656	0.695	0.682	A	0.659	4.19
2,4-Dichlorophenol(CCC)	0.220	0.243	0.257	0.260	0.279	0.277	A	0.256	8.63
1,2,4-Trichlorobenzene	0.346	0.353	0.361	0.349	0.355	0.328	A	0.349	3.26
NAPHTHALENE-D8_(IS)	14246670	14599310	15578546	15395766	13563182	13922405	I		5.53
Naphthalene	1.480	1.515	1.483	1.477	1.525	1.403	A	1.480	2.90
2,6-Dichlorophenol	0.232	0.233	0.247	0.257	0.274	0.270	A	0.252	7.12
p-Chloroaniline	0.576	0.646	0.651	0.647	0.660	0.635	A	0.636	4.77
Hexachloropropene_APP9	0.136	0.151	0.151	0.146	0.157	0.150	A	0.148	4.75
Hexachlorobutadiene(CCC)	0.119	0.122	0.121	0.117	0.124	0.116	A	0.120	2.58
N-Nitroso-di-N-butylamine	0.280	0.307	0.302	0.304	0.328	0.323	A	0.308	5.60
4-Chloro-3-methylphenol(C	0.332	0.358	0.360	0.359	0.374	0.364	A	0.358	3.90
Safrole_APP9	0.275	0.294	0.295	0.280	0.300	0.287	A	0.288	3.35
2-Methylnaphthalene	0.764	0.798	0.776	0.750	0.787	0.734	A	0.768	3.07
1,2,4,5-Tetrachlorobenzene	0.544	0.546	0.591	0.575	0.575	0.559	A	0.565	3.29
Hexachlorocyclopentadiene(0.185	0.199	0.209	0.225	0.227	0.232	A	0.213	8.66
2,4,5-Trichlorophenol	0.248	0.258	0.287	0.291	0.302	0.318	A	0.284	9.29
2,4,6-Trichlorophenol(CCC)	0.280	0.294	0.331	0.346	0.355	0.372	A	0.330	10.88
2-fluorobiphenyl(sur)	1.366	1.344	1.418	1.465	1.373	1.394	A	1.393	3.13
Isosafrole_APP9	0.250	0.247	0.274	0.267	0.255	0.256	A	0.258	4.00
2-Chloronaphthalene	1.217	1.235	1.296	1.294	1.249	1.232	A	1.254	2.67
2-Nitroaniline	0.030	0.064	0.148	0.321	0.673	1.440	L	-0.032	0.9992
1,4-Naphthoquinone_APP9	0.351	0.389	0.447	0.474	0.486	0.495	A	0.440	13.18
Dimethyl_phthalate	1.279	1.269	1.350	1.394	1.328	1.336	A	1.326	3.49

Curve Type: A = Average RF; L = Linear; Q = Quadratic; I=Internal Standard

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1,3-Dinitrobenzene_app9	0.013	0.029	0.070	0.146	0.301	0.643	L	-0.012	0.9993
2,6-Dinitrotoluene	0.022	0.048	0.109	0.220	0.466	1.003	L	-0.020	0.9989
Acenaphthylene	1.884	1.912	2.031	2.022	1.988	1.979	A	1.969	3.01
3-Nitroaniline	0.026	0.060	0.131	0.278	0.603	1.296	L	-0.032	0.9988
ACENAPHTHENE-D10_(I	7959056	8557005	8437560	8148218	7736601	7601387	I		4.70
Acenaphthene(CCC)	1.187	1.190	1.233	1.210	1.203	1.180	A	1.201	1.63
2,4-Dinitrophenol(SPCC)	0.008	0.021	0.051	0.114	0.255	0.559	L	-0.019	0.9982
4-Nitrophenol(SPCC)	0.018	0.041	0.094	0.200	0.426	0.927	L	-0.023	0.9986
Pentachlorobenzene	0.347	0.346	0.363	0.363	0.368	0.364	A	0.359	2.67
2,4-Dinitrotoluene	0.028	0.061	0.140	0.292	0.618	1.311	L	-0.026	0.9993
Dibenzofuran	1.720	1.705	1.849	1.809	1.722	1.680	A	1.748	3.79
1-Naphthylamine	0.923	1.128	1.284	1.340	1.338	1.351	A	1.227	13.92
2,3,4,6-Tetrachlorophenol	0.146	0.156	0.169	0.171	0.183	0.190	A	0.169	9.54
2-Naphthylamine	0.994	1.286	1.339	1.404	1.414	1.385	A	1.304	12.21
Diethyl_Phthalate	1.185	1.272	1.339	1.348	1.369	1.361	A	1.312	5.43
4-Chlorophenyl_phenyl_eth	0.719	0.725	0.762	0.724	0.760	0.705	A	0.732	3.15
5-Nitro-o-toluidine_APP9	0.030	0.066	0.150	0.320	0.704	1.480	L	-0.035	0.9993
Fluorene	1.385	1.354	1.389	1.352	1.326	1.252	A	1.343	3.75
4-Nitroaniline	0.028	0.063	0.143	0.307	0.662	1.372	L	-0.028	0.9997
2-Methyl-4,6-dinitrophenol	0.008	0.018	0.043	0.089	0.210	0.418	L	-0.009	0.9990
Diphenylamine(CCC)	0.773	0.771	0.796	0.772	0.779	0.751	A	0.774	1.88
Azobenzene	0.451	0.441	0.462	0.442	0.469	0.508	A	0.462	5.36
2,4,6-tribromophenol(sur)	0.091	0.091	0.103	0.103	0.114	0.118	A	0.103	10.86
1,3,5-Trinitrobenzene_APP9	0.047	0.050	0.056	0.057	0.060	0.063	A	0.055	10.74
Phenacetin	0.320	0.359	0.396	0.398	0.424	0.410	A	0.384	9.93
4-Bromophenyl_phenyl_eth	0.182	0.187	0.194	0.190	0.201	0.197	A	0.192	3.73
Diallate_APP9	0.298	0.304	0.317	0.313	0.331	0.315	A	0.313	3.64
Hexachlorobenzene	0.190	0.189	0.202	0.184	0.191	0.178	A	0.189	4.27
4-Aminobiphenyl	0.813	0.909	0.997	0.948	0.990	0.911	A	0.928	7.27
Pentachlorophenol(CCC)	0.075	0.080	0.088	0.087	0.094	0.095	A	0.087	9.10
Pentachloronitrobenzene	0.038	0.039	0.042	0.041	0.045	0.045	A	0.042	6.92
Pronamide	0.272	0.286	0.305	0.304	0.313	0.301	A	0.297	5.00
Dinoseb	0.010	0.024	0.060	0.124	0.284	0.598	L	-0.016	0.9990
PHENANTHRENE_D10	12048839	13118470	12950023	12712263	11813606	11880964	I		4.63
Phenanthrene	1.269	1.237	1.266	1.232	1.215	1.218	A	1.239	1.87
Anthracene	1.280	1.255	1.305	1.285	1.301	1.242	A	1.278	1.96
Carbazole_app9	1.301	1.309	1.339	1.298	1.309	1.256	A	1.302	2.05
Di-N-butyl_phthalate	1.163	1.222	1.349	1.355	1.412	1.407	A	1.318	7.75
Isodrin_APP9	0.122	0.121	0.125	0.119	0.126	0.122	A	0.122	2.14
Fluoranthene(CCC)	1.234	1.226	1.270	1.198	1.213	1.131	A	1.212	3.82
Benzidine	0.040	0.228	0.599	1.195	2.768	5.281	L	-0.099	0.9985
Pyrene	1.807	1.948	2.087	1.978	1.915	1.854	A	1.932	5.09
p-terphenyl-d14(sur)	0.843	0.865	0.942	0.925	0.892	0.897	A	0.894	4.12
p-Dimethylaminoazobenzen	0.194	0.227	0.258	0.266	0.265	0.283	A	0.249	13.06
Chlorobenzilate_APP9	0.227	0.244	0.277	0.271	0.283	0.305	A	0.268	10.40
3,3'-Dimethylbenzidine_AP	0.070	0.237	0.586	1.183	2.340	4.871	L	-0.066	0.9997
Butyl_Benzyl_Phthalate	0.659	0.728	0.811	0.812	0.798	0.813	A	0.770	8.23
Kepone_APP9	0.040	0.047	0.050	0.050	0.054	0.057	A	0.049	11.52
2-Acetylaminofluorene_APP	0.045	0.099	0.251	0.532	1.119	2.449	L	-0.065	0.9986
3,3'-Dichlorobenzidine_APP	0.377	0.425	0.478	0.481	0.477	0.500	A	0.456	10.14
Chrysene	1.299	1.315	1.356	1.292	1.255	1.305	A	1.304	2.51
CHRYSENE-D12_(IS)	8719088	8903877	8383272	8234398	7842507	7668523	I		5.81
Benz(a)anthracene	1.217	1.239	1.302	1.241	1.214	1.213	A	1.238	2.75
Bis(2-ethylhexyl)phthalate	0.958	1.078	1.208	1.250	1.258	1.315	A	1.178	11.36
Di-n-octylphthalate(CCC)	1.424	1.630	1.937	1.928	2.047	2.108	A	1.846	14.30
7,12-Dimethylbenz(a)anthra	0.394	0.401	0.504	0.528	0.547	0.558	A	0.489	14.92
Benzo(b)fluoranthene	1.192	1.362	1.392	1.342	1.430	1.382	A	1.350	6.13
Benzo(k)fluoranthene	1.240	1.377	1.353	1.336	1.306	1.384	A	1.333	4.02

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hexachlorophene	0.002	0.007	0.019	0.048	0.125	0.290	L	-0.016	0.9946
Benzo(a)pyrene(CCC)	1.059	1.145	1.260	1.246	1.263	1.269	A	1.207	7.13
PERYLENE-D12_(IS)	8715413	8252312	7976885	7676516	7118851	6874903	I		8.92
3-Methylcholanthrene	0.549	0.598	0.633	0.643	0.640	0.643	A	0.618	6.14
Indeno(1,2,3-c,d)pyrene	1.233	1.266	1.288	1.245	1.258	1.240	A	1.255	1.61
Dibenz(a,h)anthracene	1.063	1.177	1.176	1.142	1.212	1.192	A	1.160	4.58
Benzo(g,h,i)perylene	1.093	1.171	1.173	1.144	1.175	1.186	A	1.157	2.95

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<u>Row</u>	<u>SampleID</u>	<u>FileName</u>	<u>Sample Name</u>	<u>FileDate</u>	<u>Comment</u>
1	5ng/uL	031706_b_003	5ng/uL	3/17/2006 3:16:48 PM	
2	10ng/uL	031706_b_004	10ng/uL	3/17/2006 3:45:46 PM	
3	20ng/uL	031706_b_005	20ng/uL	3/17/2006 4:14:51 PM	
4	40ng/uL	031706_b_006	40ng/uL	3/17/2006 4:44:11 PM	
5	80ng/uL	031706_b_007	80ng/uL	3/17/2006 5:13:22 PM	
6	160ng/uL	031706_b_008	160ng/uL	3/17/2006 5:42:35 PM	

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