Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
Method File : 8270-BM072318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 07 16:15:57 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BM016020.D 10 =BM016021.D 25 =BM016022.D
40 =CHECK224.D 50 =BM016024.D 60 =BM016025.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.511	0.626	0.539	0.593	0.555	0.576	0.564	6.70
3)		Pyridine		1.229	1.270	1.429	1.376	1.450	1.359	6.58
4)		n-Nitrosodimethyl		1.015	0.974	1.132	1.059	1.108	1.060	5.52
5)	S	2-Fluorophenol	0.915	1.292	1.173	1.271	1.219	1.295	1.204	11.19
6)		Aniline	1.451	1.875	1.785	1.896	1.885	1.888	1.810	9.01
7)	S	Phenol-d6	1.246	1.584	1.577	1.651	1.571	1.687	1.572	9.71
8)		2-Chlorophenol	1.162	1.505	1.429	1.499	1.461	1.487	1.431	8.49
9)		Benzaldehyde	0.977	1.240	1.150	1.167	1.079	1.101	1.105	8.15
10)	C	Phenol	1.244	1.591	1.601	1.652	1.581	1.676	1.572	9.49
11)		bis(2-Chloroethyl	1.029	1.324	1.221	1.270	1.288	1.295	1.242	7.95
12)		1,3-Dichlorobenze	1.581	1.766	1.621	1.698	1.683	1.712	1.675	3.63
13)	C	1,4-Dichlorobenze	1.571	1.777	1.642	1.733	1.713	1.739	1.699	4.08
14)		1,2-Dichlorobenze	1.543	1.829	1.590	1.660	1.657	1.703	1.662	5.45
15)		Benzyl Alcohol	1.028	1.250	1.173	1.304	1.304	1.350	1.252	9.32
16)		2,2'-oxybis(1-Chl	1.685	2.065	1.865	1.929	1.913	1.932	1.901	5.95
17)		2-Methylphenol	0.779	1.133	1.079	1.142	1.109	1.148	1.075	12.31
18)		Hexachloroethane	0.614	0.825	0.698	0.772	0.738	0.756	0.734	8.92
19)	P	n-Nitroso-di-n-pr	0.885	1.198	1.108	1.242	1.190	1.221	1.149	10.76
20)		3+4-Methylphenols		1.515	1.462	1.611	1.535	1.595	1.546	3.54
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.434	0.535	0.495	0.513	0.512	0.519	0.504	6.51
23)	S	Nitrobenzene-d5	0.350	0.443	0.417	0.448	0.449	0.451	0.430	8.63
24)		Nitrobenzene	0.369	0.457	0.423	0.457	0.440	0.443	0.433	7.00
25)		Isophorone	0.453	0.606	0.578	0.619	0.618	0.620	0.588	10.51
26)	C	2-Nitrophenol		0.162	0.168	0.183	0.187	0.191	0.181	6.98
27)		2,4-Dimethylpheno	0.186	0.272	0.249	0.262	0.265	0.265	0.252	11.84
28)		bis(2-Chloroethox	0.314	0.397	0.382	0.404	0.392	0.394	0.382	8.07
29)	C	2,4-Dichloropheno	0.210	0.300	0.296	0.320	0.319	0.327	0.299	13.65
30)		1,2,4-Trichlorobe	0.344	0.373	0.352	0.368	0.367	0.373	0.363	3.09
31)		Naphthalene	0.968	1.083	0.971	1.023	1.021	1.012	1.012	3.80
32)		Benzoic acid		0.171	0.167	0.191	0.198	0.200	0.192	11.06
33)		4-Chloroaniline	0.304	0.422	0.407	0.442	0.438	0.442	0.413	12.04
34)	C	Hexachlorobutadie	0.221	0.269	0.245	0.257	0.257	0.260	0.252	6.16
35)		Caprolactam		0.069	0.077	0.087	0.089	0.089	0.083	9.76
36)	C	4-Chloro-3-methyl	0.223	0.340	0.334	0.352	0.351	0.357	0.329	14.38
37)		2-Methylnaphthale	0.576	0.720	0.648	0.704	0.698	0.713	0.678	7.50
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.639	0.694	0.672	0.681	0.686	0.696	0.681	3.05
40)	P	Hexachlorocyclope		0.178	0.239	0.284	0.300	0.325	0.278	21.73
41)	S	2,4,6-Tribromophe		0.238	0.238	0.253	0.256	0.269	0.254	5.45
42)	C	2,4,6-Trichloroph	0.314	0.412	0.425	0.449	0.455	0.463	0.426	12.50
43)		2,4,5-Trichloroph	0.342	0.453	0.429	0.456	0.458	0.466	0.439	10.30
44)	S	2-Fluorobiphenyl	1.517	1.690	1.582	1.637	1.659	1.693	1.644	4.41
45)		1,1'-Biphenyl	1.630	1.905	1.766	1.830	1.826	1.836	1.805	4.84
46)		2-Chloronaphthale	1.260	1.487	1.376	1.426	1.424	1.417	1.404	5.07
47)		2-Nitroaniline		0.393	0.435	0.481	0.487	0.491	0.464	8.95
48)		Acenaphthylene	1.664	2.180	2.049	2.114	2.115	2.118	2.055	8.61
49)		Dimethylphthalate	1.528	1.876	1.748	1.776	1.774	1.771	1.750	6.06
50)		2,6-Dinitrotoluen	0.252	0.366	0.360	0.369	0.371	0.375	0.352	12.61
51)	C	Acenaphthene	1.174	1.343	1.237	1.260	1.282	1.271	1.264	4.07

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline		0.336	0.361	0.392	0.394	0.395	0.380	6.90
53)	P	2,4-Dinitrophenol		0.097	0.115	0.133	0.140	0.149	0.131	16.39
54)		Dibenzofuran	1.937	2.191	2.053	2.098	2.091	2.097	2.083	3.69
55)	P	4-Nitrophenol		0.226	0.252	0.280	0.290	0.286	0.273	10.28
56)		2,4-Dinitrotoluen		0.461	0.485	0.514	0.512	0.524	0.504	5.11
57)		Fluorene	1.369	1.620	1.503	1.570	1.587	1.585	1.548	5.61
58)		2,3,4,6-Tetrachlo	0.282	0.382	0.387	0.398	0.396	0.397	0.378	11.33
59)		Diethylphthalate	1.653	1.969	1.855	1.933	1.930	1.937	1.887	5.75
60)		4-Chlorophenyl-ph	0.783	0.891	0.855	0.868	0.858	0.887	0.862	4.39
61)		4-Nitroaniline		0.326	0.356	0.368	0.371	0.378	0.365	6.19
62)		Azobenzene	1.476	2.088	1.992	2.091	2.098	2.080	1.987	11.49
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-met		0.104	0.109	0.123	0.123	0.133	0.121	10.58
65)	c	n-Nitrosodiphenyl	0.548	0.680	0.624	0.670	0.682	0.700	0.659	8.39
66)		4-Bromophenyl-phe	0.189	0.225	0.219	0.231	0.233	0.244	0.226	8.29
67)		Hexachlorobenzene	0.217	0.254	0.242	0.254	0.250	0.267	0.249	6.62
68)		Atrazine	0.189	0.236	0.234	0.246	0.244	0.255	0.236	9.40
69)	C	Pentachlorophenol		0.134	0.144	0.155	0.159	0.167	0.154	8.62
70)		Phenanthrene	1.050	1.178	1.080	1.120	1.118	1.145	1.120	3.86
71)		Anthracene	0.923	1.134	1.069	1.097	1.109	1.141	1.088	7.14
72)		Carbazole	0.924	1.183	1.109	1.162	1.152	1.180	1.127	8.27
73)		Di-n-butylphthala	1.058	1.415	1.372	1.447	1.489	1.517	1.405	11.63
74)	C	Fluoranthene	1.069	1.318	1.206	1.257	1.271	1.317	1.249	7.10
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine	0.470	0.602	0.545	0.590	0.603	0.562	0.559	8.42
77)		Pyrene	1.047	1.235	1.174	1.236	1.238	1.216	1.199	5.93
78)	S	Terphenyl-d14	0.824	0.936	0.896	0.971	0.995	1.008	0.955	8.14
79)		Butylbenzylphthal	0.482	0.588	0.590	0.636	0.654	0.645	0.609	10.45
80)		Benzo(a)anthracen	1.140	1.301	1.179	1.243	1.250	1.241	1.232	4.43
81)		3,3'-Dichlorobenz	0.429	0.505	0.482	0.512	0.521	0.506	0.496	6.45
82)		Chrysene	1.114	1.260	1.131	1.184	1.193	1.180	1.182	4.11
83)		Bis(2-ethylhexyl)	0.672	0.848	0.865	0.918	0.949	0.946	0.882	11.78
84)	c	Di-n-octyl phthal	1.133	1.448	1.512	1.541	1.575	1.561	1.483	10.96
85)		Indeno(1,2,3-cd)p	1.369	1.493	1.350	1.393	1.405	1.381	1.402	3.33
86)	I	Perylene-d12	----------ISTD----------							
87)		Benzo(b)fluoranth	1.055	1.203	1.121	1.179	1.227	1.231	1.178	5.66
88)		Benzo(k)fluoranth	1.092	1.239	1.169	1.218	1.184	1.209	1.193	4.35
89)	C	Benzo(a)pyrene	1.030	1.150	1.097	1.143	1.152	1.170	1.132	4.63
90)		Dibenzo(a,h)anthr	1.043	1.206	1.131	1.189	1.189	1.218	1.173	5.63
91)		Benzo(g,h,i)peryl	1.051	1.162	1.082	1.111	1.108	1.124	1.109	3.17

(#) = Out of Range ### Number of calibration levels exceeded format ###