Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : 8270-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Feb 11 16:02:12 2019
Response Via : Initial Calibration

Calibration Files
2.5 =BM018752.D 10 =BM018753.D 25 =BM018754.D
40 =BM018755.D 50 =BM018756.D 60 =BM018757.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.576	0.537	0.555	0.532	0.518	0.507	0.532	5.18
3)		Pyridine	1.152	1.413	1.569	1.591	1.568	1.452	1.450	10.53
4)		n-Nitrosodimethyl	0.331	0.322	0.378	0.386	0.384	0.396	0.369	8.09
5)	S	2-Fluorophenol	1.228	1.201	1.265	1.246	1.216	1.208	1.221	2.33
6)		Aniline	2.039	2.063	2.141	2.170	2.115	2.120	2.107	2.11
7)	S	Phenol-d6	1.619	1.675	1.769	1.771	1.726	1.740	1.720	3.19
8)		2-Chlorophenol	1.317	1.347	1.372	1.366	1.332	1.333	1.340	1.68
9)		Benzaldehyde		1.207	1.087	0.938	0.874	0.819	0.941	18.94
10)	C	Phenol	1.753	1.776	1.862	1.845	1.808	1.816	1.809	2.07
11)		bis(2-Chloroethyl	1.322	1.355	1.423	1.414	1.381	1.399	1.380	2.57
12)		1,3-Dichlorobenze	1.569	1.528	1.553	1.519	1.481	1.474	1.507	3.31
13)	C	1,4-Dichlorobenze	1.613	1.552	1.574	1.536	1.505	1.500	1.534	3.35
14)		1,2-Dichlorobenze	1.518	1.507	1.520	1.488	1.444	1.435	1.474	3.15
15)		Benzyl Alcohol	1.183	1.295	1.406	1.435	1.397	1.426	1.366	6.86
16)		2,2'-oxybis(1-Chl	1.454	1.381	1.372	1.325	1.280	1.296	1.336	5.35
17)		2-Methylphenol	1.127	1.125	1.180	1.185	1.147	1.152	1.152	2.03
18)		Hexachloroethane	0.551	0.562	0.580	0.568	0.559	0.558	0.560	2.17
19)	P	n-Nitroso-di-n-pr	1.190	1.319	1.376	1.382	1.342	1.361	1.331	4.94
20)		3+4-Methylphenols	1.438	1.567	1.636	1.653	1.597	1.623	1.590	4.56
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.508	0.535	0.564	0.549	0.561	0.560	0.549	3.84
23)	S	Nitrobenzene-d5	0.381	0.420	0.445	0.439	0.448	0.447	0.433	5.76
24)		Nitrobenzene	0.429	0.439	0.458	0.453	0.455	0.454	0.449	2.45
25)		Isophorone	0.580	0.656	0.705	0.707	0.722	0.728	0.690	7.97
26)	C	2-Nitrophenol	0.136	0.160	0.183	0.186	0.191	0.196	0.179	12.82
27)		2,4-Dimethylpheno	0.239	0.247	0.268	0.264	0.268	0.270	0.261	4.90
28)		bis(2-Chloroethox	0.408	0.439	0.458	0.452	0.456	0.456	0.446	4.02
29)	C	2,4-Dichloropheno	0.242	0.286	0.311	0.310	0.314	0.317	0.300	9.28
30)		1,2,4-Trichlorobe	0.342	0.338	0.350	0.343	0.350	0.350	0.346	1.51
31)		Naphthalene	0.980	0.968	0.992	0.964	0.978	0.976	0.975	0.95
32)		Benzoic acid		0.173	0.217	0.229	0.245	0.254	0.228	13.35
33)		4-Chloroaniline	0.373	0.417	0.446	0.445	0.455	0.456	0.436	7.17
34)	C	Hexachlorobutadie	0.203	0.194	0.202	0.198	0.203	0.204	0.201	1.84
35)		Caprolactam		0.101	0.121	0.126	0.131	0.121	0.122	9.78
36)	C	4-Chloro-3-methyl	0.295	0.348	0.372	0.371	0.381	0.378	0.362	8.78
37)		2-Methylnaphthale	0.658	0.675	0.693	0.686	0.692	0.700	0.687	2.23
38)		1-Methylnaphthale	0.651	0.669	0.685	0.667	0.675	0.674	0.672	1.64
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.626	0.608	0.651	0.636	0.650	0.654	0.640	2.76
41)	P	Hexachlorocyclope		0.256	0.321	0.328	0.345	0.357	0.327	11.45
42)	S	2,4,6-Tribromophe	0.221	0.267	0.292	0.295	0.309	0.313	0.288	11.98
43)	C	2,4,6-Trichloroph	0.344	0.398	0.438	0.439	0.448	0.450	0.424	9.36
44)		2,4,5-Trichloroph	0.338	0.423	0.461	0.458	0.469	0.477	0.444	11.31
45)	S	2-Fluorobiphenyl	1.511	1.494	1.532	1.489	1.515	1.508	1.507	0.98
46)		1,1'-Biphenyl	1.702	1.716	1.748	1.700	1.727	1.732	1.722	0.99
47)		2-Chloronaphthale	1.314	1.311	1.347	1.320	1.337	1.335	1.330	1.10
48)		2-Nitroaniline	0.318	0.397	0.457	0.463	0.481	0.481	0.442	14.26
49)		Acenaphthylene	1.806	1.952	2.032	1.996	2.024	2.019	1.980	4.12
50)		Dimethylphthalate	1.572	1.662	1.700	1.660	1.686	1.692	1.667	2.68
51)		2,6-Dinitrotoluen	0.279	0.347	0.374	0.374	0.381	0.382	0.361	10.67

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)	C	Acenaphthene	1.190	1.200	1.228	1.208	1.221	1.220	1.214	1.26
53)		3-Nitroaniline		0.359	0.399	0.411	0.426	0.421	0.408	6.58
54)	P	2,4-Dinitrophenol		0.136	0.188	0.201	0.217	0.223	0.200	17.43
55)		Dibenzofuran	1.992	1.989	2.023	1.979	1.989	1.995	1.995	0.70
56)	P	4-Nitrophenol		0.262	0.316	0.330	0.347	0.345	0.326	10.54
57)		2,4-Dinitrotoluen	0.351	0.462	0.517	0.520	0.542	0.536	0.497	14.24
58)		Fluorene	1.464	1.485	1.536	1.516	1.553	1.556	1.527	2.66
59)		2,3,4,6-Tetrachlo	0.335	0.376	0.408	0.401	0.412	0.407	0.392	7.11
60)		Diethylphthalate	1.601	1.688	1.753	1.709	1.763	1.758	1.719	3.48
61)		4-Chlorophenyl-ph	0.811	0.825	0.861	0.850	0.875	0.876	0.856	3.43
62)		4-Nitroaniline		0.335	0.385	0.405	0.425	0.415	0.400	9.04
63)		Azobenzene	1.571	1.816	1.918	1.876	1.921	1.899	1.844	6.79
64)	I	Phenanthrene-d10	----------	ISTD	----------					
65)		4,6-Dinitro-2-met		0.111	0.134	0.141	0.148	0.152	0.140	11.49
66)	c	n-Nitrosodiphenyl	0.580	0.619	0.647	0.638	0.642	0.652	0.632	3.97
67)		4-Bromophenyl-phe	0.201	0.214	0.228	0.226	0.228	0.235	0.224	5.44
68)		Hexachlorobenzene	0.254	0.249	0.261	0.258	0.263	0.267	0.260	2.72
69)		Atrazine		0.196	0.221	0.223	0.206	0.195	0.181	0.204	8.01
70)	C	Pentachlorophenol	0.121	0.155	0.175	0.178	0.183	0.184	0.168	13.62
71)		Phenanthrene	1.066	1.061	1.082	1.062	1.085	1.083	1.075	1.02
72)		Anthracene	0.952	1.020	1.061	1.055	1.078	1.079	1.046	4.44
73)		Carbazole	0.989	1.075	1.107	1.109	1.130	1.118	1.093	4.50
74)		Di-n-butylphthala	1.027	1.182	1.308	1.294	1.339	1.335	1.257	9.10
75)	C	Fluoranthene	1.166	1.195	1.249	1.259	1.291	1.261	1.242	3.58
76)	I	Chrysene-d12	----------	ISTD	----------					
77)		Benzidine	0.453	0.489	0.456	0.551	0.439	0.399	0.450	13.32
78)		Pyrene	1.062	1.137	1.217	1.170	1.177	1.204	1.162	4.41
79)	S	Terphenyl-d14	0.938	0.979	1.054	1.001	0.990	0.969	0.970	6.37
80)		Butylbenzylphthal	0.383	0.482	0.556	0.556	0.565	0.588	0.529	13.77
81)		Benzo(a)anthracen	1.116	1.147	1.187	1.179	1.186	1.181	1.166	2.23
82)		3,3'-Dichlorobenz	0.415	0.461	0.471	0.477	0.475	0.468	0.461	4.58
83)		Chrysene	1.096	1.113	1.126	1.123	1.131	1.121	1.117	1.05
84)		Bis(2-ethylhexyl)	0.589	0.718	0.803	0.805	0.833	0.851	0.775	11.91
85)	c	Di-n-octyl phthal	1.033	1.214	1.326	1.371	1.402	1.399	1.302	10.38
86)		Indeno(1,2,3-cd)p	1.328	1.317	1.151	1.414	1.371	1.126	1.290	8.46
87)	I	Perylene-d12	----------	ISTD	----------					
88)		Benzo(b)fluoranth	1.051	1.087	1.200	1.136	1.153	1.222	1.144	5.24
89)		Benzo(k)fluoranth	1.073	1.091	1.143	1.124	1.175	1.189	1.139	3.96
90)	C	Benzo(a)pyrene	1.008	1.030	1.098	1.088	1.114	1.124	1.084	4.34
91)		Dibenzo(a,h)anthr	1.039	1.064	1.021	1.135	1.128	1.020	1.074	4.66
92)		Benzo(g,h,i)peryl	1.023	1.014	0.938	1.067	1.026	0.920	1.000	5.22

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