Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG111017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 10 15:38:25 2017
Response Via : Initial Calibration

Calibration Files
2.5 =BG030902.D 10 =BG030903.D 25 =BG030904.D 40 =BG030905.D 50 =BG030906.D 60 =BG030907.D 80 =BG030908.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.484	0.485	0.489	0.471	0.464	0.471	0.448	0.473	3.04
3)		Pyridine	1.292	1.293	1.390	1.442	1.414	1.408	1.379	1.374	4.30
4)		n-Nitrosodimet...	0.614	0.647	0.648	0.673	0.659	0.662	0.655	0.651	2.89
5)	S	2-Fluorophenol	1.142	1.146	1.201	1.196	1.180	1.166	1.133	1.166	2.31
6)		Aniline	1.988	2.054	2.112	2.131	2.078	2.092	2.020	2.068	2.46
7)	S	Phenol-d6	1.458	1.533	1.609	1.638	1.625	1.600	1.536	1.571	4.11
8)		2-Chlorophenol	1.283	1.254	1.333	1.324	1.284	1.273	1.260	1.287	2.35
9)		Benzaldehyde	1.100	1.129	1.141	1.131	1.123	1.075	0.998	1.100	4.55
10)	C	Phenol	1.607	1.563	1.669	1.694	1.672	1.620	1.597	1.632	2.91
11)		bis(2-Chloroet...	1.195	1.310	1.312	1.338	1.359	1.318	1.289	1.303	4.04
12)		1,3-Dichlorobe...	1.535	1.542	1.504	1.527	1.517	1.485	1.461	1.510	1.90
13)	C	1,4-Dichlorobe...	1.478	1.579	1.551	1.552	1.546	1.522	1.485	1.530	2.45
14)		1,2-Dichlorobe...	1.441	1.488	1.509	1.504	1.461	1.459	1.419	1.469	2.26
15)		Benzyl Alcohol	1.154	1.166	1.278	1.320	1.317	1.295	1.293	1.260	5.55
16)		2,2'-oxybis(1-...	1.431	1.393	1.453	1.465	1.464	1.430	1.438	1.439	1.75
17)		2-Methylphenol	1.126	1.102	1.139	1.182	1.146	1.139	1.120	1.136	2.20
18)		Hexachloroethane	0.511	0.530	0.541	0.551	0.543	0.531	0.521	0.533	2.56
19)	P	n-Nitroso-di-n...	1.089	1.159	1.238	1.259	1.248	1.198	1.173	1.195	5.05
20)		3+4-Methylphenols	1.475	1.557	1.639	1.689	1.700	1.643	1.608	1.616	4.87
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)		Acetophenone	0.476	0.503	0.505	0.515	0.495	0.505	0.487	0.498	2.62
23)	S	Nitrobenzene-d5	0.330	0.332	0.338	0.346	0.336	0.343	0.336	0.338	1.67
24)		Nitrobenzene	0.338	0.342	0.340	0.356	0.341	0.351	0.344	0.345	1.85
25)		Isophorone	0.644	0.642	0.660	0.673	0.676	0.669	0.643	0.658	2.27
26)	C	2-Nitrophenol	0.150	0.177	0.179	0.185	0.188	0.190	0.188	0.180	7.71
27)		2,4-Dimethylph...	0.255	0.260	0.269	0.276	0.271	0.271	0.266	0.267	2.73
28)		bis(2-Chloroet...	0.418	0.403	0.415	0.425	0.416	0.421	0.404	0.415	2.02
29)	C	2,4-Dichloroph...	0.275	0.315	0.324	0.338	0.329	0.336	0.326	0.320	6.72
30)		1,2,4-Trichlor...	0.372	0.382	0.381	0.391	0.384	0.387	0.380	0.382	1.56
31)		Naphthalene	1.008	0.984	0.986	0.990	0.977	0.986	0.952	0.983	1.70
32)		Benzoic acid		0.139	0.185	0.213	0.220	0.231	0.235	0.204	17.89
33)		4-Chloroaniline	0.393	0.422	0.436	0.449	0.439	0.445	0.429	0.430	4.40
34)	C	Hexachlorobuta...	0.264	0.264	0.267	0.265	0.263	0.268	0.266	0.265	0.68
35)		Caprolactam	0.137	0.138	0.132	0.129	0.130	0.128	0.123	0.131	3.91
36)	C	4-Chloro-3-met...	0.346	0.341	0.359	0.359	0.350	0.349	0.338	0.349	2.32
37)		2-Methylnaphth...	0.764	0.753	0.768	0.766	0.762	0.762	0.738	0.759	1.34

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.799	0.770	0.808	0.804	0.798	0.797	0.781	0.794	1.72
40)	P	Hexachlorocycl...		0.082	0.176	0.231	0.257	0.274	0.304	0.221	36.64
41)	S	2,4,6-Tribromo...	0.319	0.332	0.328	0.326	0.322	0.323	0.314	0.324	1.84
42)	C	2,4,6-Trichlor...	0.413	0.433	0.465	0.471	0.471	0.463	0.459	0.454	4.86
43)		2,4,5-Trichlor...	0.493	0.473	0.501	0.506	0.498	0.516	0.489	0.496	2.69
44)	S	2-Fluorobiphenyl	1.444	1.431	1.445	1.402	1.373	1.354	1.294	1.392	4.01
45)		1,1'-Biphenyl	1.720	1.667	1.695	1.669	1.644	1.632	1.583	1.658	2.69
46)		2-Chloronaphth...	1.179	1.183	1.225	1.218	1.207	1.199	1.165	1.197	1.84
47)		2-Nitroaniline	0.304	0.349	0.364	0.361	0.371	0.372	0.362	0.355	6.65
48)		Acenaphthylene	1.972	1.948	2.038	1.977	1.973	1.934	1.868	1.958	2.64
49)		Dimethylphthalate	1.794	1.776	1.790	1.732	1.714	1.683	1.616	1.729	3.75
50)		2,6-Dinitrotol...	0.312	0.352	0.376	0.371	0.368	0.365	0.351	0.356	6.07
51)	C	Acenaphthene	1.224	1.231	1.247	1.232	1.234	1.219	1.176	1.223	1.84
52)		3-Nitroaniline	0.357	0.378	0.391	0.391	0.385	0.374	0.373	0.378	3.18
53)	P	2,4-Dinitrophenol		0.104	0.159	0.181	0.183	0.188	0.199	0.169	20.29
54)		Dibenzofuran	1.961	1.991	2.015	1.984	1.949	1.912	1.826	1.948	3.25
55)	P	4-Nitrophenol		0.244	0.275	0.273	0.278	0.270	0.278	0.270	4.84
56)		2,4-Dinitrotol...	0.461	0.515	0.534	0.529	0.528	0.530	0.510	0.515	4.96
57)		Fluorene	1.673	1.634	1.622	1.581	1.555	1.536	1.471	1.582	4.31
58)		2,3,4,6-Tetrac...	0.463	0.461	0.486	0.477	0.479	0.478	0.468	0.473	1.96
59)		Diethylphthalate	1.881	1.814	1.823	1.738	1.724	1.688	1.626	1.757	5.00
60)		4-Chlorophenyl...	0.977	0.954	0.984	0.962	0.957	0.943	0.909	0.955	2.58
61)		4-Nitroaniline	0.363	0.416	0.426	0.403	0.405	0.402	0.390	0.401	5.08
62)		Azobenzene	1.370	1.349	1.370	1.345	1.345	1.320	1.279	1.340	2.38
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...		0.104	0.132	0.136	0.141	0.144	0.142	0.133	11.34
65)	c	n-Nitrosodiphe...	0.607	0.613	0.623	0.615	0.606	0.602	0.577	0.606	2.38
66)		4-Bromophenyl-...	0.256	0.243	0.253	0.260	0.256	0.256	0.248	0.253	2.35
67)		Hexachlorobenzene	0.259	0.272	0.276	0.274	0.268	0.271	0.265	0.269	2.25
68)		Atrazine	0.275	0.261	0.254	0.247	0.241	0.241	0.231	0.250	5.85
69)	C	Pentachlorophenol		0.124	0.141	0.150	0.156	0.159	0.162	0.149	9.58
70)		Phenanthrene	1.097	1.073	1.065	1.049	1.031	1.012	0.964	1.041	4.24
71)		Anthracene	1.078	1.084	1.081	1.049	1.032	1.019	0.961	1.043	4.26
72)		Carbazole	1.035	1.023	1.002	0.985	0.963	0.941	0.895	0.978	4.98
73)		Di-n-butylphth...	1.331	1.275	1.222	1.196	1.165	1.139	1.074	1.200	7.13
74)	C	Fluoranthene	1.417	1.420	1.358	1.316	1.271	1.253	1.194	1.318	6.47
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.518	0.653	0.659	0.673	0.662	0.691	0.642	0.642	8.88
77)		Pyrene	1.196	1.180	1.220	1.214	1.188	1.165	1.144	1.187	2.25
78)	S	Terphenyl-d14	0.949	0.961	0.945	0.921	0.882	0.863	0.819	0.906	5.80
79)		Butylbenzylpht...	0.467	0.483	0.483	0.481	0.471	0.471	0.457	0.473	2.05
80)		Benzo(a)anthra...	1.329	1.285	1.254	1.252	1.211	1.204	1.160	1.242	4.51
81)		3,3'-Dichlorob...	0.506	0.507	0.520	0.511	0.499	0.492	0.476	0.501	2.87
82)		Chrysene	1.190	1.181	1.171	1.160	1.131	1.121	1.091	1.149	3.12

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83)		Bis(2-ethylhex...		0.778	0.706	0.679	0.660	0.646	0.629	0.683	7.83
84)	c	Di-n-octyl pht...	1.191	1.123	1.137	1.110	1.089	1.085	1.048	1.112	4.09
85)		Indeno(1,2,3-c...	1.435	1.357	1.410	1.416	1.389	1.386	1.385	1.397	1.83
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.216	1.206	1.239	1.215	1.220	1.221	1.152	1.210	2.26
88)		Benzo(k)fluora...	1.220	1.231	1.221	1.203	1.174	1.187	1.158	1.199	2.25
89)	C	Benzo(a)pyrene	1.186	1.150	1.166	1.149	1.142	1.143	1.108	1.149	2.07
90)		Dibenzo(a,h)an...	1.152	1.168	1.200	1.177	1.180	1.186	1.159	1.175	1.40
91)		Benzo(g,h,i)pe...	1.168	1.125	1.138	1.139	1.146	1.145	1.121	1.140	1.36

(#) = Out of Range