Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG032017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 20 17:43:27 2017
Response Via : Initial Calibration

Calibration Files
2.5 =BG026323.D 10 =BG026324.D 25 =BG026325.D 40 =BG026326.D 50 =BG026327.D 60 =BG026328.D 80 =BG026329.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.539	0.512	0.498	0.496	0.493	0.500	0.504	0.506	3.10
3)		Pyridine	1.231	1.395	1.403	1.422	1.412	1.406	1.427	1.385	4.98
4)		n-Nitrosodimet...	0.366	0.373	0.380	0.384	0.383	0.384	0.381	0.379	1.84
5)	S	2-Fluorophenol	1.071	1.153	1.151	1.133	1.135	1.121	1.123	1.127	2.42
6)		Aniline	1.902	2.076	2.040	2.069	2.030	2.015	2.015	2.021	2.86
7)	S	Phenol-d6	1.449	1.539	1.563	1.544	1.515	1.499	1.480	1.513	2.63
8)		2-Chlorophenol	1.216	1.324	1.281	1.285	1.259	1.263	1.252	1.269	2.62
9)		Benzaldehyde	0.983	1.057	1.036	1.042	1.030	1.013	0.987	1.021	2.74
10)	C	Phenol	1.530	1.677	1.654	1.650	1.614	1.584	1.592	1.614	3.12
11)		bis(2-Chloroet...	1.375	1.316	1.333	1.315	1.312	1.304	1.311	1.324	1.85
12)		1,3-Dichlorobe...	1.518	1.524	1.501	1.524	1.509	1.497	1.500	1.510	0.75
13)	C	1,4-Dichlorobe...	1.501	1.540	1.538	1.548	1.512	1.532	1.525	1.528	1.11
14)		1,2-Dichlorobe...	1.462	1.494	1.458	1.480	1.453	1.450	1.439	1.462	1.28
15)		Benzyl Alcohol	0.906	0.977	1.000	1.020	1.016	1.008	1.015	0.992	4.11
16)		2,2'-oxybis(1-...	1.465	1.531	1.484	1.490	1.451	1.433	1.438	1.470	2.34
17)		2-Methylphenol	1.105	1.185	1.145	1.151	1.147	1.148	1.145	1.147	2.03
18)		Hexachloroethane	0.481	0.506	0.499	0.507	0.501	0.502	0.501	0.500	1.72
19)	P	n-Nitroso-di-n...	0.956	0.990	0.971	0.989	0.973	0.963	0.967	0.973	1.31
20)		3+4-Methylphenols	1.393	1.588	1.615	1.643	1.610	1.596	1.603	1.578	5.30
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.430	0.483	0.456	0.478	0.455	0.460	0.457	0.460	3.75
23)	S	Nitrobenzene-d5	0.308	0.343	0.330	0.343	0.334	0.338	0.331	0.333	3.56
24)		Nitrobenzene	0.306	0.339	0.326	0.338	0.330	0.332	0.328	0.328	3.30
25)		Isophorone	0.614	0.633	0.616	0.643	0.626	0.632	0.625	0.627	1.60
26)	C	2-Nitrophenol	0.141	0.164	0.170	0.181	0.179	0.180	0.181	0.171	8.57
27)		2,4-Dimethylph...	0.262	0.277	0.276	0.291	0.282	0.290	0.286	0.281	3.62
28)		bis(2-Chloroet...	0.392	0.424	0.400	0.416	0.405	0.410	0.403	0.407	2.60
29)	C	2,4-Dichloroph...	0.248	0.281	0.282	0.295	0.291	0.295	0.292	0.284	5.91
30)		1,2,4-Trichlor...	0.308	0.324	0.311	0.326	0.319	0.323	0.320	0.319	2.16
31)		Naphthalene	1.017	1.058	1.009	1.027	0.994	1.000	0.974	1.011	2.62
32)		Benzoic acid		0.177	0.197	0.223	0.229	0.235	0.234	0.216	10.85
33)		4-Chloroaniline	0.389	0.407	0.411	0.425	0.415	0.418	0.413	0.411	2.72
34)	C	Hexachlorobuta...	0.191	0.187	0.182	0.190	0.185	0.191	0.189	0.188	1.75
35)		Caprolactam	0.103	0.111	0.111	0.115	0.113	0.115	0.115	0.112	3.95
36)	C	4-Chloro-3-met...	0.275	0.305	0.306	0.312	0.305	0.311	0.310	0.303	4.17
37)		2-Methylnaphth...	0.714	0.771	0.739	0.758	0.736	0.742	0.724	0.741	2.62

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.591	0.609	0.595	0.604	0.607	0.604	0.601	0.602	1.07
40)	P	Hexachlorocycl...		0.283	0.300	0.322	0.326	0.334	0.336	0.317	6.67
41)	S	2,4,6-Tribromo...	0.214	0.234	0.227	0.229	0.231	0.234	0.234	0.229	3.07
42)	C	2,4,6-Trichlor...	0.364	0.393	0.396	0.402	0.400	0.401	0.402	0.394	3.42
43)		2,4,5-Trichlor...	0.406	0.441	0.424	0.441	0.441	0.446	0.449	0.436	3.45
44)	S	2-Fluorobiphenyl	1.554	1.536	1.452	1.423	1.379	1.360	1.278	1.426	6.86
45)		1,1'-Biphenyl	1.679	1.741	1.664	1.667	1.638	1.626	1.580	1.656	3.01
46)		2-Chloronaphth...	1.232	1.257	1.201	1.205	1.194	1.197	1.180	1.210	2.17
47)		2-Nitroaniline	0.294	0.332	0.343	0.360	0.359	0.358	0.362	0.344	7.21
48)		Acenaphthylene	2.096	2.216	2.158	2.112	2.084	2.082	2.014	2.109	3.03
49)		Dimethylphthalate	1.489	1.563	1.541	1.521	1.489	1.496	1.467	1.510	2.24
50)		2,6-Dinitrotol...	0.267	0.351	0.355	0.373	0.368	0.375	0.377	0.352	11.06
51)	C	Acenaphthene	1.331	1.331	1.299	1.297	1.285	1.294	1.254	1.299	2.06
52)		3-Nitroaniline	0.294	0.386	0.404	0.407	0.404	0.411	0.410	0.388	10.86
53)	P	2,4-Dinitrophenol		0.152	0.201	0.208	0.212	0.223	0.230	0.204	13.52
54)		Dibenzofuran	1.871	1.916	1.864	1.824	1.795	1.792	1.736	1.828	3.28
55)	P	4-Nitrophenol	0.235	0.307	0.330	0.333	0.332	0.343	0.343	0.318	12.16
56)		2,4-Dinitrotol...	0.387	0.479	0.506	0.519	0.520	0.527	0.530	0.496	10.30
57)		Fluorene	1.651	1.707	1.651	1.633	1.590	1.603	1.554	1.627	3.07
58)		2,3,4,6-Tetrac...	0.358	0.376	0.383	0.382	0.386	0.384	0.391	0.380	2.84
59)		Diethylphthalate	1.512	1.600	1.573	1.553	1.528	1.529	1.505	1.543	2.23
60)		4-Chlorophenyl...	0.752	0.816	0.778	0.766	0.766	0.762	0.758	0.771	2.76
61)		4-Nitroaniline	0.332	0.399	0.425	0.428	0.423	0.434	0.432	0.410	8.88
62)		Azobenzene	1.183	1.317	1.275	1.270	1.249	1.248	1.239	1.255	3.27
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...	0.089	0.124	0.126	0.134	0.136	0.136	0.138	0.126	13.54
65)	c	n-Nitrosodiphe...	0.585	0.615	0.588	0.599	0.580	0.579	0.562	0.587	2.84
66)		4-Bromophenyl-...	0.187	0.209	0.206	0.214	0.207	0.210	0.209	0.206	4.34
67)		Hexachlorobenzene	0.219	0.227	0.217	0.223	0.215	0.218	0.218	0.220	1.92
68)		Atrazine	0.199	0.235	0.224	0.231	0.221	0.222	0.223	0.222	5.07
69)	C	Pentachlorophenol	0.132	0.139	0.138	0.149	0.145	0.148	0.148	0.143	4.47
70)		Phenanthrene	1.143	1.158	1.087	1.087	1.034	1.027	0.981	1.074	5.96
71)		Anthracene	1.117	1.169	1.120	1.114	1.073	1.063	1.014	1.096	4.56
72)		Carbazole	1.161	1.224	1.159	1.144	1.091	1.085	1.033	1.128	5.59
73)		Di-n-butylphth...	1.177	1.229	1.205	1.185	1.133	1.122	1.063	1.159	4.90
74)	C	Fluoranthene	1.334	1.365	1.321	1.273	1.219	1.204	1.124	1.263	6.74
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.585	0.736	0.713	0.747	0.695	0.690	0.661	0.690	7.89
77)		Pyrene	1.144	1.242	1.191	1.198	1.148	1.131	1.052	1.158	5.23
78)	S	Terphenyl-d14	0.887	0.953	0.872	0.833	0.790	0.750	0.680	0.824	11.11
79)		Butylbenzylpht...	0.436	0.472	0.464	0.483	0.467	0.467	0.455	0.463	3.12
80)		Benzo(a)anthra...	1.179	1.211	1.137	1.140	1.093	1.085	1.034	1.125	5.33
81)		3,3'-Dichlorob...	0.465	0.481	0.467	0.474	0.453	0.448	0.437	0.461	3.33
82)		Chrysene	1.136	1.149	1.086	1.090	1.043	1.038	0.986	1.075	5.35

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83)		Bis(2-ethylhex...	0.700	0.734	0.707	0.715	0.692	0.687	0.664	0.700	3.17
84)	c	Di-n-octyl pht...	1.173	1.234	1.204	1.233	1.183	1.193	1.140	1.194	2.80
85)		Indeno(1,2,3-c...	1.251	1.337	1.300	1.374	1.329	1.360	1.343	1.328	3.10
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.226	1.199	1.183	1.182	1.169	1.164	1.129	1.179	2.56
88)		Benzo(k)fluora...	1.157	1.181	1.146	1.182	1.131	1.134	1.074	1.143	3.22
89)	C	Benzo(a)pyrene	1.148	1.168	1.128	1.146	1.115	1.120	1.091	1.131	2.25
90)		Dibenzo(a,h)an...	1.133	1.173	1.129	1.161	1.135	1.147	1.123	1.143	1.60
91)		Benzo(g,h,i)pe...	1.135	1.182	1.126	1.172	1.148	1.155	1.144	1.152	1.72

(#) = Out of Range