Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG071417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jul 14 16:10:34 2017
Response Via : Initial Calibration

Calibration Files
2.5 =BG027919.D 10 =BG027920.D 25 =BG027921.D
40 =BG027922.D 50 =BG027923.D 60 =BG027924.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.441	0.400	0.407	0.405	0.421	0.419	0.416	3.31
3)		Pyridine	0.859	1.104	1.231	1.208	1.311	1.305	1.194	14.07
4)		n-Nitrosodimethyl	0.563	0.653	0.673	0.664	0.729	0.694	0.671	8.26
5)	S	2-Fluorophenol	1.087	1.029	1.110	1.097	1.158	1.151	1.118	4.89
6)		Aniline	1.624	1.749	1.867	1.891	1.981	1.967	1.875	7.82
7)	S	Phenol-d6	1.486	1.461	1.596	1.613	1.691	1.681	1.611	6.64
8)		2-Chlorophenol	1.204	1.220	1.268	1.241	1.322	1.327	1.279	4.89
9)		Benzaldehyde	0.894	0.945	0.963	0.887	0.886	0.839	0.882	7.65
10)	C	Phenol	1.611	1.550	1.672	1.674	1.756	1.751	1.689	5.33
11)		bis(2-Chloroethyl	1.254	1.195	1.216	1.190	1.261	1.251	1.238	3.19
12)		1,3-Dichlorobenze	1.490	1.421	1.482	1.438	1.546	1.521	1.498	3.91
13)	C	1,4-Dichlorobenze	1.569	1.435	1.522	1.519	1.576	1.595	1.549	4.12
14)		1,2-Dichlorobenze	1.488	1.438	1.482	1.475	1.543	1.522	1.504	3.21
15)		Benzyl Alcohol	0.763	0.885	0.991	1.020	1.051	1.056	0.984	12.38
16)		2,2'-oxybis(1-Chl	2.638	2.417	2.492	2.406	2.520	2.460	2.498	3.25
17)		2-Methylphenol	1.035	1.052	1.101	1.103	1.148	1.137	1.111	5.14
18)		Hexachloroethane	0.492	0.464	0.494	0.493	0.531	0.521	0.504	4.99
19)	P	n-Nitroso-di-n-pr	0.990	1.075	1.097	1.150	1.185	1.151	1.125	6.93
20)		3+4-Methylphenols	1.422	1.430	1.542	1.582	1.643	1.612	1.560	6.62
21)	I	Naphthalene-d8	----------ISTD----------							
22)		Acetophenone	0.447	0.474	0.474	0.479	0.498	0.499	0.482	4.18
23)	S	Nitrobenzene-d5	0.330	0.331	0.353	0.360	0.381	0.372	0.358	5.96
24)		Nitrobenzene	0.360	0.355	0.370	0.380	0.390	0.392	0.376	4.05
25)		Isophorone	0.588	0.651	0.683	0.700	0.719	0.715	0.684	7.32
26)	C	2-Nitrophenol	0.143	0.167	0.178	0.186	0.195	0.197	0.181	11.15
27)		2,4-Dimethylpheno	0.276	0.294	0.316	0.325	0.337	0.333	0.317	7.53
28)		bis(2-Chloroethox	0.383	0.383	0.398	0.397	0.415	0.407	0.400	3.38
29)	C	2,4-Dichloropheno	0.319	0.318	0.332	0.341	0.359	0.363	0.343	6.16
30)		1,2,4-Trichlorobe	0.369	0.364	0.379	0.380	0.401	0.398	0.385	4.10
31)		Naphthalene	0.997	0.970	0.973	0.987	1.026	1.008	0.997	2.18
32)		Benzoic acid		0.066	0.113	0.150	0.185	0.194	0.154	36.90
33)		4-Chloroaniline	0.365	0.390	0.404	0.416	0.427	0.425	0.408	5.67
34)	C	Hexachlorobutadie	0.246	0.259	0.266	0.265	0.279	0.279	0.269	5.26
35)		Caprolactam	0.074	0.099	0.111	0.109	0.114	0.112	0.105	14.08
36)	C	4-Chloro-3-methyl	0.327	0.354	0.370	0.378	0.387	0.388	0.370	6.12
37)		2-Methylnaphthale	0.734	0.745	0.750	0.757	0.786	0.774	0.761	2.62
38)	I	Acenaphthene-d10	----------ISTD----------							
39)		1,2,4,5-Tetrachlo	0.743	0.731	0.762	0.773	0.828	0.833	0.791	6.43
40)	P	Hexachlorocyclope		0.293	0.342	0.377	0.414	0.419	0.369	14.24
41)	S	2,4,6-Tribromophe	0.249	0.272	0.287	0.298	0.318	0.319	0.296	9.94
42)	C	2,4,6-Trichloroph	0.384	0.426	0.476	0.485	0.522	0.522	0.479	11.89
43)		2,4,5-Trichloroph	0.426	0.478	0.500	0.515	0.534	0.529	0.505	8.42
44)	S	2-Fluorobiphenyl	1.486	1.465	1.499	1.498	1.581	1.540	1.517	2.68
45)		1,1'-Biphenyl	1.615	1.667	1.678	1.703	1.795	1.766	1.719	4.19
46)		2-Chloronaphthale	1.238	1.180	1.214	1.230	1.295	1.279	1.251	3.98
47)		2-Nitroaniline	0.315	0.341	0.374	0.379	0.402	0.397	0.374	9.21
48)		Acenaphthylene	1.927	1.912	1.957	1.986	2.068	2.039	1.991	3.13
49)		Dimethylphthalate	1.587	1.633	1.694	1.666	1.715	1.691	1.670	2.74
50)		2,6-Dinitrotoluen	0.316	0.328	0.364	0.362	0.376	0.368	0.357	7.03
51)	C	Acenaphthene	1.171	1.211	1.282	1.289	1.273	1.240	1.249	3.53

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.276	0.312	0.338	0.350	0.363	0.361	0.338	9.83
53)	P	2,4-Dinitrophenol		0.129	0.179	0.209	0.221	0.231	0.202	20.97
54)		Dibenzofuran	1.938	1.874	1.898	1.855	1.950	1.918	1.909	1.84
55)	P	4-Nitrophenol		0.183	0.238	0.254	0.278	0.278	0.253	15.19
56)		2,4-Dinitrotoluen	0.418	0.458	0.490	0.500	0.529	0.520	0.493	8.63
57)		Fluorene	1.641	1.650	1.716	1.702	1.753	1.734	1.706	2.64
58)		2,3,4,6-Tetrachlo	0.375	0.416	0.446	0.459	0.477	0.474	0.448	9.15
59)		Diethylphthalate	1.581	1.572	1.622	1.612	1.661	1.639	1.619	2.04
60)		4-Chlorophenyl-ph	0.906	0.899	0.922	0.928	0.974	0.961	0.941	3.87
61)		4-Nitroaniline		0.318	0.361	0.362	0.381	0.375	0.361	6.28
62)		Azobenzene	1.198	1.255	1.285	1.271	1.302	1.281	1.269	2.73
63)	I	Phenanthrene-d10	----------	ISTD	----------					
64)		4,6-Dinitro-2-met		0.100	0.124	0.132	0.145	0.145	0.133	14.49
65)	c	n-Nitrosodiphenyl	0.535	0.556	0.578	0.582	0.609	0.604	0.584	5.26
66)		4-Bromophenyl-phe	0.231	0.225	0.240	0.249	0.263	0.261	0.249	7.53
67)		Hexachlorobenzene	0.255	0.255	0.263	0.268	0.282	0.282	0.272	5.86
68)		Atrazine	0.185	0.203	0.225	0.230	0.242	0.241	0.224	9.90
69)	C	Pentachlorophenol		0.101	0.141	0.151	0.171	0.168	0.152	18.79
70)		Phenanthrene	1.034	1.008	1.030	1.028	1.088	1.060	1.046	2.73
71)		Anthracene	1.008	0.984	1.030	1.033	1.093	1.063	1.042	3.81
72)		Carbazole	0.865	0.886	0.933	0.936	0.995	0.972	0.938	5.15
73)		Di-n-butylphthala	0.907	0.946	1.027	1.047	1.109	1.084	1.030	7.47
74)	C	Fluoranthene	1.179	1.193	1.254	1.255	1.332	1.294	1.256	4.36
75)	I	Chrysene-d12	----------	ISTD	----------					
76)		Benzidine	0.417	0.427	0.465	0.522	0.501	0.465	0.467	8.00
77)		Pyrene	1.073	1.055	1.073	1.073	1.100	1.056	1.069	1.55
78)	S	Terphenyl-d14	0.929	0.902	0.916	0.886	0.900	0.852	0.885	4.76
79)		Butylbenzylphthal	0.329	0.348	0.382	0.390	0.415	0.406	0.384	8.80
80)		Benzo(a)anthracen	1.074	1.082	1.107	1.097	1.145	1.093	1.099	2.09
81)		3,3'-Dichlorobenz	0.381	0.399	0.430	0.445	0.462	0.452	0.432	7.16
82)		Chrysene	1.103	1.022	1.029	1.036	1.081	1.046	1.052	2.80
83)		Bis(2-ethylhexyl)	0.504	0.499	0.558	0.575	0.601	0.586	0.559	7.42
84)	c	Di-n-octyl phthal	0.802	0.871	0.952	0.976	1.033	1.002	0.949	8.78
85)		Indeno(1,2,3-cd)p	1.109	1.115	1.192	1.231	1.294	1.271	1.216	6.65
86)	I	Perylene-d12	----------	ISTD	----------					
87)		Benzo(b)fluoranth	1.083	1.106	1.157	1.154	1.241	1.203	1.169	5.30
88)		Benzo(k)fluoranth	1.121	1.067	1.148	1.177	1.227	1.207	1.168	5.17
89)	C	Benzo(a)pyrene	1.009	1.023	1.085	1.102	1.169	1.148	1.102	6.18
90)		Dibenzo(a,h)anthr	1.007	1.023	1.097	1.118	1.187	1.152	1.113	6.91
91)		Benzo(g,h,i)peryl	1.008	0.991	1.055	1.069	1.134	1.105	1.073	5.58

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