Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
Method File : 8270-BG112219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Nov 23 00:54:00 2019
Response Via : Initial Calibration

Instrument : BNA_G
ClientSampleId :

Calibration Files
10 =BG043743.D 20 =BG043744.D 40 =BG043745.D
50 =BG043746.D 60 =BG043747.D 80 =BG043748.D

		Compound	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.558	0.573	0.465	0.439	0.468	0.516	0.493	11.38
3)		Pyridine	0.995	1.524	1.599	1.632	1.399	1.320	1.389	16.09
4)		n-Nitrosodimethyl	0.443	0.746	0.758	0.727	0.746	0.718	0.690	16.09
5)	S	2-Fluorophenol	1.130	1.222	1.136	1.132	1.084	1.092	1.112	6.25
6)		Aniline	2.259	2.022	2.289	2.413	2.038	1.889	2.107	10.23
7)	S	Phenol-d6	1.675	1.607	1.782	1.851	1.556	1.453	1.617	10.27
8)		2-Chlorophenol	1.368	1.282	1.324	1.364	1.235	1.178	1.269	7.21
9)		Benzaldehyde	1.455	1.125	1.053	0.984	0.808	0.749	0.966	29.49
10)	C	Phenol	1.666	1.623	1.808	1.918	1.621	1.515	1.660	9.48
11)		bis(2-Chloroethyl	1.514	1.398	1.433	1.474	1.339	1.270	1.386	6.93
12)		1,3-Dichlorobenze	1.608	1.600	1.512	1.489	1.448	1.446	1.494	6.04
13)	C	1,4-Dichlorobenze	1.677	1.628	1.529	1.511	1.447	1.447	1.513	7.39
14)		1,2-Dichlorobenze	1.543	1.496	1.464	1.470	1.405	1.355	1.431	6.15
15)		Benzyl Alcohol	1.308	1.245	1.529	1.593	1.346	1.206	1.351	11.31
16)		2,2'-oxybis(1-Chl	2.501	2.383	2.532	2.579	2.360	2.174	2.383	7.13
17)		2-Methylphenol	1.256	1.123	1.297	1.346	1.158	1.062	1.187	9.57
18)		Hexachloroethane	0.619	0.600	0.565	0.557	0.567	0.559	0.571	5.07
19)	P	n-Nitroso-di-n-pr	1.444	1.129	1.425	1.495	1.221	1.074	1.272	14.02
20)		3+4-Methylphenols	1.623	1.556	1.880	1.962	1.631	1.454	1.656	11.70
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.633	0.529	0.531	0.517	0.513	0.508	0.530	9.11
23)	S	Nitrobenzene-d5	0.352	0.360	0.362	0.365	0.373	0.373	0.364	2.03
24)		Nitrobenzene	0.417	0.367	0.364	0.364	0.372	0.372	0.374	5.15
25)		Isophorone	0.891	0.733	0.833	0.827	0.755	0.714	0.780	9.05
26)	C	2-Nitrophenol	0.097	0.119	0.131	0.135	0.150	0.152	0.135	16.19
27)		2,4-Dimethylpheno	0.270	0.261	0.273	0.271	0.268	0.256	0.265	2.88
28)		bis(2-Chloroethox	0.550	0.481	0.494	0.481	0.469	0.451	0.481	7.45
29)	C	2,4-Dichloropheno	0.280	0.319	0.333	0.346	0.333	0.326	0.322	6.48
30)		1,2,4-Trichlorobe	0.379	0.398	0.372	0.366	0.378	0.382	0.377	2.88
31)		Naphthalene	1.103	1.027	1.017	1.000	0.961	0.956	0.992	7.00
32)		Benzoic acid		0.116	0.180	0.190	0.215	0.212	0.191	21.72
33)		4-Chloroaniline	0.510	0.453	0.508	0.519	0.472	0.445	0.478	7.13
34)	C	Hexachlorobutadie	0.232	0.268	0.241	0.232	0.254	0.260	0.248	5.52
35)		Caprolactam	0.147	0.106	0.152	0.160	0.125	0.110	0.131	16.52
36)	C	4-Chloro-3-methyl	0.385	0.324	0.394	0.404	0.359	0.332	0.362	9.05
37)		2-Methylnaphthale	0.771	0.739	0.799	0.798	0.742	0.702	0.748	6.02
38)		1-Methylnaphthale	0.737	0.694	0.764	0.764	0.697	0.665	0.710	6.61
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.609	0.714	0.606	0.603	0.637	0.666	0.636	6.40
41)	P	Hexachlorocyclope	0.278	0.394	0.318	0.305	0.361	0.387	0.344	12.81
42)	S	2,4,6-Tribromophe	0.302	0.208	0.242	0.257	0.231	0.224	0.241	12.80
43)	C	2,4,6-Trichloroph	0.361	0.428	0.410	0.415	0.418	0.424	0.409	5.49
44)		2,4,5-Trichloroph	0.393	0.442	0.429	0.433	0.428	0.432	0.426	3.65
45)	S	2-Fluorobiphenyl	1.354	1.429	1.232	1.208	1.142	1.170	1.217	11.96
46)		1,1'-Biphenyl	1.478	1.531	1.366	1.364	1.355	1.372	1.386	6.80
47)		2-Chloronaphthale	1.148	1.246	1.119	1.117	1.108	1.131	1.131	5.33
48)		2-Nitroaniline	0.307	0.278	0.328	0.349	0.351	0.346	0.331	8.83
49)		Acenaphthylene	2.069	1.890	1.801	1.823	1.677	1.685	1.779	10.07
50)		Dimethylphthalate	2.127	1.531	1.619	1.631	1.450	1.429	1.584	16.74
51)		2,6-Dinitrotoluen	0.265	0.255	0.297	0.315	0.308	0.306	0.294	8.21

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		Compound	10	20	40	50	60	80	Avg	%RSD
52)	C	Acenaphthene	1.281	1.152	1.131	1.145	1.098	1.105	1.138	6.32
53)		3-Nitroaniline	0.367	0.292	0.351	0.383	0.339	0.335	0.344	8.35
54)	P	2,4-Dinitrophenol	0.104	0.086	0.114	0.128	0.131	0.129	0.120	17.42
55)		Dibenzofuran	2.202	1.844	1.797	1.819	1.636	1.636	1.772	13.07
56)	P	4-Nitrophenol	0.385	0.223	0.287	0.318	0.274	0.265	0.289	17.60
57)		2,4-Dinitrotoluen	0.394	0.316	0.415	0.457	0.422	0.417	0.408	11.06
58)		Fluorene	1.937	1.441	1.464	1.510	1.318	1.300	1.453	16.44
59)		2,3,4,6-Tetrachlo	0.518	0.374	0.430	0.449	0.415	0.407	0.428	10.77
60)		Diethylphthalate	2.478	1.546	1.667	1.707	1.475	1.422	1.663	22.92
61)		4-Chlorophenyl-ph	0.979	0.789	0.803	0.815	0.757	0.744	0.800	10.77
62)		4-Nitroaniline	0.563	0.310	0.397	0.439	0.356	0.345	0.394	21.64
63)		Azobenzene	2.041	1.445	1.501	1.530	1.362	1.320	1.491	17.62
64)	I	Phenanthrene-d10	----------ISTD----------							
65)		4,6-Dinitro-2-met	0.044	0.057	0.066	0.071	0.084	0.085	0.068	23.02
66)	c	n-Nitrosodiphenyl	0.485	0.594	0.540	0.519	0.532	0.539	0.530	6.61
67)		4-Bromophenyl-phe	0.173	0.224	0.214	0.205	0.221	0.223	0.211	8.48
68)		Hexachlorobenzene	0.215	0.244	0.232	0.225	0.234	0.234	0.231	3.83
69)		Atrazine	0.286	0.225	0.221	0.209	0.196	0.185	0.212	18.28
70)	C	Pentachlorophenol	0.129	0.131	0.142	0.145	0.147	0.145	0.141	5.29
71)		Phenanthrene	1.172	1.059	1.029	1.003	0.924	0.930	0.990	11.68
72)		Anthracene	1.226	1.079	1.032	1.007	0.927	0.922	1.000	13.47
73)		Carbazole	1.477	1.003	1.008	0.997	0.852	0.849	0.990	23.88
74)		Di-n-butylphthala	2.158	1.267	1.273	1.251	1.035	1.029	1.268	33.31
75)	C	Fluoranthene	2.643	1.387	1.414	1.410	1.091	1.104	1.420	40.55#
76)	I	Chrysene-d12	----------ISTD----------							
77)		Benzidine	0.560	0.613	0.653	0.607	0.636	0.568	0.584	11.39
78)		Pyrene	0.914	1.391	1.227	1.169	1.696	1.234	1.291	18.72
79)	S	Terphenyl-d14	0.798	1.029	0.870	0.807	1.073	0.802	0.885	13.18
80)		Butylbenzylphthal	0.592	0.596	0.608	0.602	0.622	0.562	0.588	5.03
81)		Benzo(a)anthracen	1.542	1.434	1.340	1.302	1.306	1.246	1.337	8.86
82)		3,3'-Dichlorobenz	0.631	0.546	0.487	0.459	0.469	0.473	0.501	13.07
83)		Chrysene	1.449	1.362	1.270	1.236	1.234	1.179	1.265	8.65
84)		Bis(2-ethylhexyl)	1.092	0.882	0.799	0.782	0.756	0.753	0.827	15.35
85)	c	Di-n-octyl phthal	1.708	1.537	1.114	1.101	1.357	1.311	1.342	16.35
86)		Indeno(1,2,3-cd)p	1.529	1.653	1.175	1.195	1.585	1.569	1.472	13.53
87)	I	Perylene-d12	----------ISTD----------							
88)		Benzo(b)fluoranth	1.361	1.249	1.219	1.223	1.126	1.109	1.194	8.31
89)		Benzo(k)fluoranth	1.316	1.157	1.201	1.130	1.093	1.077	1.146	7.94
90)	C	Benzo(a)pyrene	1.244	1.158	1.133	1.125	1.082	1.073	1.123	5.87
91)		Dibenzo(a,h)anthr	1.004	1.149	1.123	1.117	1.089	1.066	1.089	4.35
92)		Benzo(g,h,i)peryl	0.966	1.123	1.109	1.102	1.077	1.070	1.074	4.81

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