Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG092316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Sep 23 15:35:28 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BG024081.D 10 =BG024082.D 25 =BG024083.D
40 =BG024084.D 50 =BG024085.D 60 =BG024086.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane		0.395	0.488	0.491	0.378	0.457	0.442	10.66
3)		Pyridine		1.235	1.532	1.674	1.484	1.720	1.562	12.09
4)		n-Nitrosodimethyl		0.722	0.838	0.804	0.736	0.815	0.792	6.33
5)	S	2-Fluorophenol	1.042	0.989	1.280	1.255	1.086	1.206	1.154	9.90
6)		Aniline	2.586	2.447	2.986	2.726	2.559	2.745	2.728	8.19
7)	S	Phenol-d6	1.689	1.673	2.187	1.973	1.861	2.000	1.942	11.16
8)		2-Chlorophenol	1.453	1.157	1.553	1.382	1.257	1.392	1.382	9.81
9)		Benzaldehyde	1.074	0.887	1.157	1.069	1.024	1.081	1.058	8.10
10)	C	Phenol	1.676	1.824	2.263	2.074	1.969	2.122	2.042	11.82
11)		bis(2-Chloroethyl	1.708	1.383	1.760	1.648	1.458	1.617	1.610	8.65
12)		1,3-Dichlorobenze	1.653	1.438	1.664	1.556	1.386	1.518	1.541	6.71
13)	C	1,4-Dichlorobenze	1.640	1.432	1.722	1.585	1.438	1.555	1.573	6.84
14)		1,2-Dichlorobenze	1.502	1.381	1.723	1.568	1.394	1.516	1.531	8.02
15)		Benzyl Alcohol	1.856	1.421	2.014	1.848	1.794	1.968	1.880	13.54
16)		2,2'-oxybis(1-Chl	2.161	2.046	2.473	2.251	2.039	2.190	2.223	7.50
17)		2-Methylphenol	1.162	1.136	1.559	1.370	1.303	1.399	1.358	12.73
18)		Hexachloroethane	0.746	0.593	0.688	0.679	0.597	0.646	0.663	8.26
19)	P	n-Nitroso-di-n-pr	1.847	1.666	2.105	1.898	1.782	1.910	1.908	8.93
20)		3+4-Methylphenols	1.643	1.673	2.297	1.945	1.867	2.026	1.972	14.07
21)	I	Naphthalene-d8	----------ISTD----------							
22)		Acetophenone	0.595	0.499	0.663	0.594	0.539	0.583	0.577	8.85
23)	S	Nitrobenzene-d5	0.518	0.453	0.568	0.523	0.478	0.516	0.507	7.22
24)		Nitrobenzene	0.558	0.499	0.602	0.562	0.504	0.550	0.544	6.60
25)		Isophorone	1.086	0.923	1.154	1.040	0.967	1.046	1.035	7.27
26)	C	2-Nitrophenol	0.160	0.174	0.221	0.201	0.191	0.201	0.193	10.39
27)		2,4-Dimethylpheno	0.328	0.273	0.358	0.334	0.303	0.326	0.323	8.37
28)		bis(2-Chloroethox	0.537	0.462	0.554	0.512	0.464	0.497	0.503	6.82
29)	C	2,4-Dichloropheno	0.276	0.302	0.385	0.359	0.322	0.353	0.336	11.24
30)		1,2,4-Trichlorobe	0.391	0.320	0.397	0.374	0.328	0.356	0.359	8.25
31)		Naphthalene	1.094	0.911	1.137	1.032	0.932	1.002	1.013	8.06
32)		Benzoic acid		0.130	0.269	0.254	0.236	0.267	0.241	23.68
33)		4-Chloroaniline	0.415	0.409	0.521	0.463	0.434	0.455	0.452	8.47
34)	C	Hexachlorobutadie	0.335	0.252	0.313	0.290	0.249	0.272	0.283	11.27
35)		Caprolactam	0.138	0.107	0.159	0.133	0.133	0.143	0.137	11.48
36)	C	4-Chloro-3-methyl	0.398	0.405	0.546	0.498	0.459	0.494	0.472	11.64
37)		2-Methylnaphthale	0.792	0.706	0.878	0.794	0.725	0.766	0.776	7.20
38)	I	Acenaphthene-d10	----------ISTD----------							
39)		1,2,4,5-Tetrachlo	0.607	0.540	0.662	0.616	0.526	0.552	0.584	8.25
40)	P	Hexachlorocyclope		0.100	0.218	0.250	0.221	0.249	0.220	28.80
41)	S	2,4,6-Tribromophe	0.285	0.240	0.320	0.292	0.268	0.292	0.287	9.50
42)	C	2,4,6-Trichloroph	0.335	0.339	0.435	0.404	0.350	0.374	0.378	10.20
43)		2,4,5-Trichloroph	0.364	0.351	0.419	0.415	0.362	0.393	0.389	7.50
44)	S	2-Fluorobiphenyl	1.330	1.143	1.339	1.237	1.057	1.114	1.190	9.49
45)		1,1'-Biphenyl	1.418	1.286	1.546	1.432	1.234	1.313	1.368	7.70
46)		2-Chloronaphthale	1.116	0.935	1.144	1.059	0.902	0.992	1.021	8.79
47)		2-Nitroaniline	0.427	0.421	0.534	0.497	0.457	0.485	0.475	8.77
48)		Acenaphthylene	1.916	1.612	1.954	1.763	1.548	1.666	1.734	8.81
49)		Dimethylphthalate	1.719	1.397	1.709	1.570	1.376	1.463	1.534	9.05
50)		2,6-Dinitrotoluen	0.297	0.286	0.372	0.338	0.301	0.327	0.322	9.20
51)	C	Acenaphthene	1.132	0.964	1.177	1.088	0.937	1.023	1.051	8.28

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.291	0.287	0.371	0.324	0.303	0.333	0.322	9.46
53)	P	2,4-Dinitrophenol		0.087	0.211	0.199	0.193	0.213	0.190	27.97
54)		Dibenzofuran	1.836	1.517	1.824	1.670	1.454	1.573	1.637	9.01
55)	P	4-Nitrophenol		0.148	0.236	0.230	0.225	0.248	0.225	17.84
56)		2,4-Dinitrotoluen	0.465	0.429	0.563	0.495	0.458	0.503	0.490	8.99
57)		Fluorene	1.574	1.323	1.608	1.440	1.284	1.352	1.425	8.72
58)		2,3,4,6-Tetrachlo	0.349	0.319	0.419	0.400	0.356	0.379	0.375	9.54
59)		Diethylphthalate	1.957	1.536	1.831	1.629	1.463	1.567	1.652	10.68
60)		4-Chlorophenyl-ph	0.849	0.692	0.850	0.763	0.688	0.732	0.763	8.74
61)		4-Nitroaniline	0.345	0.256	0.389	0.331	0.319	0.348	0.333	12.16
62)		Azobenzene	1.909	1.553	1.873	1.693	1.498	1.608	1.679	9.35
63)	I	Phenanthrene-d10	----------	ISTD	----------					
64)		4,6-Dinitro-2-met		0.107	0.153	0.148	0.132	0.145	0.139	12.27
65)	c	n-Nitrosodiphenyl	0.568	0.511	0.614	0.578	0.493	0.539	0.547	7.66
66)		4-Bromophenyl-phe	0.243	0.213	0.259	0.240	0.206	0.233	0.232	7.76
67)		Hexachlorobenzene	0.275	0.245	0.287	0.269	0.234	0.262	0.261	6.80
68)		Atrazine	0.259	0.224	0.265	0.249	0.217	0.241	0.242	7.31
69)	C	Pentachlorophenol		0.087	0.136	0.128	0.122	0.134	0.124	15.28
70)		Phenanthrene	1.161	0.960	1.143	1.041	0.904	0.982	1.019	9.84
71)		Anthracene	1.218	0.989	1.165	1.065	0.932	1.000	1.046	10.37
72)		Carbazole	1.075	0.918	1.101	0.984	0.875	0.959	0.974	8.78
73)		Di-n-butylphthala	1.536	1.230	1.445	1.263	1.130	1.216	1.275	12.49
74)	C	Fluoranthene	1.584	1.289	1.517	1.284	1.196	1.292	1.330	12.13
75)	I	Chrysene-d12	----------	ISTD	----------					
76)		Benzidine	0.463	0.478	0.664	0.622	0.554	0.601	0.566	13.05
77)		Pyrene	1.510	1.332	1.523	1.529	1.247	1.312	1.397	8.53
78)	S	Terphenyl-d14	1.144	0.969	1.085	1.042	0.853	0.893	0.977	12.01
79)		Butylbenzylphthal	0.496	0.454	0.590	0.531	0.490	0.530	0.514	8.23
80)		Benzo(a)anthracen	1.276	1.070	1.263	1.172	1.017	1.094	1.139	8.84
81)		3,3'-Dichlorobenz	0.397	0.367	0.463	0.429	0.376	0.407	0.408	8.00
82)		Chrysene	1.207	1.014	1.198	1.091	0.958	1.019	1.070	9.18
83)		Bis(2-ethylhexyl)	0.666	0.549	0.644	0.660	0.548	0.604	0.614	8.06
84)	c	Di-n-octyl phthal	1.123	0.961	1.120	1.175	0.940	1.025	1.060	8.33
85)		Indeno(1,2,3-cd)p	1.259	1.031	1.240	1.314	1.057	1.174	1.193	9.29
86)	I	Perylene-d12	----------	ISTD	----------					
87)		Benzo(b)fluoranth	1.193	1.086	1.296	1.209	1.059	1.139	1.164	6.86
88)		Benzo(k)fluoranth	1.241	1.071	1.263	1.199	1.055	1.146	1.156	7.05
89)	C	Benzo(a)pyrene	1.236	1.030	1.221	1.155	1.019	1.097	1.125	7.59
90)		Dibenzo(a,h)anthr	1.271	1.027	1.214	1.144	1.008	1.091	1.123	8.46
91)		Benzo(g,h,i)peryl	1.274	1.043	1.232	1.153	1.015	1.093	1.132	8.39

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