Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : 8270-BG072616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jul 27 12:55:56 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BG023269.D 10 =BG023270.D 25 =BG023271.D
40 =BG023272.D 50 =BG023273.D 60 =BG023274.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.404	0.497	0.517	0.504	0.505	0.490	0.487	7.75
3)		Pyridine	1.593	1.607	1.925	2.192	1.674	1.695	1.759	12.61
4)		n-Nitrosodimethyl	0.686	0.715	0.983	1.008	0.723	0.731	0.795	17.37
5)	S	2-Fluorophenol	1.197	1.191	1.185	1.194	1.180	1.167	1.172	3.24
6)		Aniline	2.647	2.420	2.383	2.406	2.349	2.374	2.402	5.14
7)	S	Phenol-d6	1.922	1.856	1.880	1.876	1.753	1.735	1.799	6.82
8)		2-Chlorophenol	1.279	1.312	1.304	1.320	1.331	1.331	1.307	1.79
9)		Benzaldehyde	1.444	1.420	1.335	1.305	1.231	1.221	1.292	9.55
10)	C	Phenol	1.901	1.908	1.889	1.942	1.921	1.924	1.898	2.41
11)		bis(2-Chloroethyl	1.657	1.540	1.628	1.622	1.659	1.632	1.613	2.94
12)		1,3-Dichlorobenze	1.557	1.547	1.495	1.463	1.441	1.437	1.473	4.46
13)	C	1,4-Dichlorobenze	1.596	1.520	1.574	1.516	1.465	1.453	1.503	4.66
14)		1,2-Dichlorobenze	1.501	1.513	1.483	1.456	1.426	1.412	1.450	3.84
15)		Benzyl Alcohol	0.925	1.164	1.241	1.272	1.253	1.331	1.210	11.24
16)		2,2'-oxybis(1-Chl	2.946	2.387	2.394	2.326	2.658	2.708	2.567	8.60
17)		2-Methylphenol	1.367	1.231	1.279	1.274	1.327	1.342	1.297	3.77
18)		Hexachloroethane	0.685	0.618	0.616	0.631	0.615	0.612	0.626	4.35
19)	P	n-Nitroso-di-n-pr	1.636	1.625	1.635	1.676	1.619	1.615	1.618	3.02
20)		3+4-Methylphenols	1.664	1.739	1.733	1.804	1.839	1.835	1.764	3.65
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.536	0.558	0.543	0.540	0.517	0.489	0.522	5.95
23)	S	Nitrobenzene-d5	0.438	0.456	0.439	0.419	0.389	0.371	0.409	9.73
24)		Nitrobenzene	0.487	0.508	0.499	0.476	0.463	0.454	0.475	5.28
25)		Isophorone	0.893	0.916	0.894	0.873	0.818	0.792	0.845	8.07
26)	C	2-Nitrophenol	0.158	0.175	0.179	0.185	0.187	0.187	0.179	5.80
27)		2,4-Dimethylpheno	0.298	0.308	0.305	0.302	0.309	0.303	0.302	2.21
28)		bis(2-Chloroethox	0.506	0.496	0.482	0.468	0.472	0.457	0.474	5.01
29)	C	2,4-Dichloropheno	0.255	0.305	0.308	0.308	0.298	0.292	0.293	6.43
30)		1,2,4-Trichlorobe	0.327	0.349	0.341	0.335	0.309	0.306	0.323	6.02
31)		Naphthalene	1.146	1.006	0.980	0.927	0.869	0.824	0.929	13.95
32)		Benzoic acid		0.105	0.179	0.211	0.266	0.264	0.215	29.91
33)		4-Chloroaniline	0.451	0.435	0.440	0.420	0.431	0.425	0.429	3.62
34)	C	Hexachlorobutadie	0.189	0.253	0.249	0.238	0.189	0.183	0.212	15.44
35)		Caprolactam	0.105	0.121	0.126	0.122	0.131	0.131	0.123	7.40
36)	C	4-Chloro-3-methyl	0.369	0.403	0.412	0.405	0.384	0.370	0.385	6.08
37)		2-Methylnaphthale	0.774	0.767	0.727	0.703	0.647	0.627	0.689	10.71
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.667	0.732	0.703	0.660	0.607	0.591	0.648	9.19
40)	P	Hexachlorocyclope	0.198	0.322	0.354	0.351	0.308	0.305	0.307	16.90
41)	S	2,4,6-Tribromophe	0.197	0.242	0.247	0.232	0.182	0.183	0.207	15.76
42)	C	2,4,6-Trichloroph	0.331	0.393	0.392	0.401	0.385	0.385	0.380	6.07
43)		2,4,5-Trichloroph	0.368	0.424	0.425	0.422	0.399	0.398	0.403	5.28
44)	S	2-Fluorobiphenyl		1.327	1.215	1.077	0.900	0.825	1.069	19.62
45)		1,1'-Biphenyl		1.565	1.496	1.370	1.283	1.224	1.341	12.72
46)		2-Chloronaphthale	1.285	1.189	1.194	1.113	1.064	1.030	1.118	10.20
47)		2-Nitroaniline	0.447	0.466	0.487	0.470	0.493	0.486	0.473	3.51
48)		Acenaphthylene	2.116	1.948	1.888	1.711	1.576	1.455	1.711	17.14
49)		Dimethylphthalate	1.790	1.708	1.642	1.477	1.338	1.255	1.476	16.91
50)		2,6-Dinitrotoluen	0.343	0.353	0.359	0.343	0.348	0.348	0.346	3.00
51)	C	Acenaphthene	1.276	1.228	1.186	1.091	1.058	1.006	1.110	11.33

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : 8270-BG072616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jul 27 12:55:56 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BG023269.D 10 =BG023270.D 25 =BG023271.D
40 =BG023272.D 50 =BG023273.D 60 =BG023274.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.341	0.322	0.364	0.336	0.368	0.365	0.348	5.07
53)	P	2,4-Dinitrophenol		0.165	0.203	0.209	0.212	0.220	0.202	9.49
54)		Dibenzofuran	1.949	1.844	1.721	1.570	1.419	1.320	1.571	18.12
55)	P	4-Nitrophenol	0.226	0.275	0.292	0.288	0.322	0.332	0.290	11.94
56)		2,4-Dinitrotoluen	0.469	0.519	0.521	0.487	0.490	0.481	0.487	5.69
57)		Fluorene	1.740	1.604	1.522	1.389	1.242	1.169	1.387	18.07
58)		2,3,4,6-Tetrachlo	0.294	0.359	0.387	0.367	0.335	0.336	0.342	9.36
59)		Diethylphthalate	1.880	1.782	1.655	1.520	1.362	1.281	1.512	18.55
60)		4-Chlorophenyl-ph	0.830	0.864	0.832	0.764	0.686	0.668	0.751	12.93
61)		4-Nitroaniline	0.349	0.369	0.376	0.363	0.381	0.383	0.365	4.99
62)		Azobenzene	1.925	1.792	1.733	1.561	1.441	1.344	1.567	16.98
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-met	0.094	0.121	0.134	0.135	0.140	0.140	0.128	12.99
65)	c	n-Nitrosodiphenyl	0.561	0.585	0.560	0.542	0.523	0.499	0.534	7.62
66)		4-Bromophenyl-phe	0.202	0.214	0.210	0.211	0.196	0.192	0.202	4.81
67)		Hexachlorobenzene	0.212	0.228	0.216	0.210	0.187	0.186	0.203	8.69
68)		Atrazine	0.200	0.219	0.211	0.205	0.205	0.205	0.205	4.74
69)	C	Pentachlorophenol		0.106	0.130	0.133	0.128	0.132	0.125	8.01
70)		Phenanthrene		1.123	1.004	0.910	0.807	0.745	0.875	19.66
71)		Anthracene		1.118	1.016	0.928	0.823	0.753	0.884	19.16
72)		Carbazole	0.991	0.952	0.871	0.794	0.750	0.692	0.810	16.87
73)		Di-n-butylphthala	1.030	1.115	1.038	0.926	0.831	0.744	0.903	19.19
74)	C	Fluoranthene	1.214	1.193	1.089	0.947	0.812	0.735	0.998	20.00
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine		0.445	0.561	0.570	0.628	0.609	0.563	11.34
77)		Pyrene	1.460	1.350	1.186	1.086	1.068	0.986	1.135	19.38
78)	S	Terphenyl-d14		0.787	0.680	0.591	0.531	0.487	0.615	19.51
79)		Butylbenzylphthal	0.477	0.525	0.512	0.485	0.526	0.504	0.499	4.76
80)		Benzo(a)anthracen	1.228	1.210	1.125	1.018	0.992	0.921	1.047	14.09
81)		3,3'-Dichlorobenz	0.407	0.459	0.454	0.431	0.427	0.407	0.425	6.25
82)		Chrysene	1.233	1.155	1.087	0.984	0.941	0.894	1.012	15.38
83)		Bis(2-ethylhexyl)	0.690	0.756	0.726	0.685	0.725	0.684	0.699	6.01
84)	c	Di-n-octyl phthal	1.151	1.252	1.209	1.145	1.177	1.096	1.143	7.93
85)		Indeno(1,2,3-cd)p	0.974	1.266	1.239	1.197	1.232	1.195	1.180	8.26
86)	I	Perylene-d12	----------ISTD----------							
87)		Benzo(b)fluoranth	1.107	1.151	1.102	1.058	1.041	1.030	1.062	6.20
88)		Benzo(k)fluoranth	1.188	1.188	1.105	1.052	1.035	0.963	1.062	10.11
89)	C	Benzo(a)pyrene	1.106	1.109	1.072	1.040	1.027	0.995	1.041	5.90
90)		Dibenzo(a,h)anthr	0.961	1.025	1.019	0.989	0.988	0.969	0.985	3.05
91)		Benzo(g,h,i)peryl	1.024	1.054	1.024	1.184	1.012	0.989	1.036	6.82

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