Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG012015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jan 20 17:47:40 2015
Response Via : Initial Calibration

Calibration Files
2.5 =BG015894.D 10 =BG015888.D 25 =BG015889.D 40 =BG015890.D 50 =BG015891.D 60 =BG015892.D 80 =BG015893.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane		0.743	0.621	0.701	0.698	0.699	0.688	0.692	5.72
3)		Pyridine		2.521	2.161	2.238	2.297	2.395	2.380	2.332	5.47
4)		n-Nitrosodimet...		0.876	0.886	0.898	0.893	0.932	0.919	0.901	2.34
5)	S	2-Fluorophenol	1.432	1.367	1.262	1.293	1.334	1.362	1.350	1.343	4.07
6)		Aniline	3.035	3.623	2.867	3.009	3.111	3.085	3.085	3.116	7.63
7)	S	Phenol-d6	2.288	2.252	2.028	2.047	2.151	2.235	2.149	2.164	4.66
8)		2-Chlorophenol	1.406	1.400	1.208	1.173	1.236	1.288	1.310	1.289	7.03
9)		Benzaldehyde	1.787	2.016	1.895	2.013	2.057	2.049	1.991	1.973	4.95
10)	C	Phenol	2.234	2.862	2.273	2.390	2.433	2.533	2.544	2.467	8.53
11)		bis(2-Chloroet...	2.078	2.087	1.782	1.789	1.806	1.905	1.896	1.906	6.82
12)		1,3-Dichlorobe...	1.505	1.717	1.386	1.499	1.497	1.546	1.526	1.525	6.48
13)	C	1,4-Dichlorobe...	1.531	1.784	1.489	1.483	1.535	1.615	1.584	1.575	6.61
14)		1,2-Dichlorobe...	1.753	1.661	1.367	1.462	1.464	1.509	1.585	1.543	8.56
15)		Benzyl Alcohol	1.962	2.334	2.303	2.407	2.430	2.551	2.588	2.368	8.75
16)		2,2'-oxybis(1-...		1.630	1.507	1.448	1.509	1.579	1.571	1.541	4.21
17)		2-Methylphenol	1.511	1.593	1.465	1.452	1.542	1.580	1.555	1.528	3.57
18)		Hexachloroethane	0.885	0.852	0.753	0.761	0.804	0.815	0.796	0.810	5.81
19)	P	n-Nitroso-di-n...	2.118	2.330	2.065	2.153	2.125	2.088	2.235	2.159	4.31
20)		3+4-Methylphenols	1.781	2.023	1.864	2.016	2.040	2.135	2.164	2.003	6.88
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.657	0.718	0.638	0.667	0.660	0.680	0.672	0.670	3.71
23)	S	Nitrobenzene-d5	0.745	0.748	0.696	0.678	0.666	0.674	0.650	0.694	5.55
24)		Nitrobenzene	0.660	0.839	0.720	0.708	0.731	0.722	0.730	0.730	7.38
25)		Isophorone	1.119	1.300	1.193	1.224	1.269	1.241	1.241	1.227	4.72
26)	C	2-Nitrophenol	0.176	0.173	0.173	0.184	0.187	0.180	0.192	0.181	4.13
27)		2,4-Dimethylph...	0.296	0.392	0.332	0.350	0.349	0.348	0.353	0.346	8.28
28)		bis(2-Chloroet...	0.590	0.613	0.584	0.601	0.594	0.593	0.582	0.594	1.80
29)	C	2,4-Dichloroph...	0.323	0.389	0.354	0.359	0.373	0.362	0.369	0.361	5.63
30)		1,2,4-Trichlor...	0.443	0.486	0.424	0.421	0.423	0.442	0.427	0.438	5.29
31)		Naphthalene	1.099	1.106	1.013	0.986	0.986	0.993	0.983	1.024	5.34
32)		Benzoic acid		0.014	0.058	0.085	0.120	0.144	0.169	0.098	58.31
33)		4-Chloroaniline	0.519	0.500	0.449	0.457	0.483	0.460	0.472	0.477	5.30
34)	C	Hexachlorobuta...	0.457	0.493	0.413	0.399	0.413	0.416	0.407	0.428	7.91
35)		Caprolactam		0.170	0.165	0.185	0.175	0.182	0.188	0.177	5.02
36)	C	4-Chloro-3-met...	0.467	0.572	0.519	0.524	0.562	0.531	0.543	0.531	6.50
37)		2-Methylnaphth...	0.811	0.883	0.771	0.798	0.822	0.801	0.806	0.813	4.25

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG012015.M

38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.797	0.780	0.764	0.738	0.746	0.746	0.768	0.763	2.78
40)	P	Hexachlorocycl...	0.446	0.569	0.576	0.595	0.606	0.592	0.639	0.575	10.64
41)	S	2,4,6-Tribromo...	0.317	0.379	0.378	0.360	0.376	0.375	0.378	0.366	6.21
42)	C	2,4,6-Trichlor...	0.306	0.471	0.466	0.460	0.483	0.459	0.482	0.447	14.06
43)		2,4,5-Trichlor...	0.447	0.509	0.510	0.508	0.525	0.520	0.516	0.505	5.18
44)	S	2-Fluorobiphenyl	1.357	1.401	1.299	1.278	1.252	1.180	1.157	1.275	6.93
45)		1,1'-Biphenyl	1.269	1.277	1.277	1.259	1.270	1.235	1.250	1.262	1.21
46)		2-Chloronaphth...	1.113	1.118	1.095	1.022	1.051	1.007	1.055	1.066	4.13
47)		2-Nitroaniline	0.509	0.542	0.569	0.532	0.574	0.531	0.550	0.544	4.15
48)		Acenaphthylene	1.632	1.686	1.617	1.607	1.636	1.579	1.574	1.619	2.35
49)		Dimethylphthalate	1.491	1.572	1.443	1.396	1.400	1.384	1.389	1.439	4.85
50)		2,6-Dinitrotol...	0.321	0.355	0.329	0.308	0.314	0.308	0.339	0.325	5.37
51)	C	Acenaphthene	1.036	1.080	0.981	1.006	1.017	0.995	1.003	1.017	3.21
52)		3-Nitroaniline	0.320	0.316	0.305	0.300	0.302	0.292	0.304	0.306	3.09
53)	P	2,4-Dinitrophenol		0.107	0.151	0.179	0.211	0.222	0.248	0.186	27.66
54)		Dibenzofuran	1.766	1.835	1.725	1.613	1.643	1.584	1.581	1.678	5.87
55)	P	4-Nitrophenol		0.179	0.200	0.210	0.219	0.221	0.234	0.210	9.10
56)		2,4-Dinitrotol...	0.424	0.537	0.475	0.470	0.473	0.470	0.479	0.475	6.94
57)		Fluorene	1.572	1.647	1.520	1.438	1.497	1.460	1.462	1.514	4.88
58)		2,3,4,6-Tetrac...	0.489	0.591	0.560	0.551	0.579	0.564	0.581	0.559	6.04
59)		Diethylphthalate	1.343	1.660	1.519	1.448	1.482	1.422	1.412	1.469	6.85
60)		4-Chlorophenyl...	1.143	1.022	0.958	0.969	0.993	0.969	0.993	1.007	6.34
61)		4-Nitroaniline	0.290	0.347	0.311	0.322	0.337	0.328	0.334	0.324	5.87
62)		Azobenzene	2.506	2.836	2.474	2.376	2.292	2.144	2.027	2.379	11.13
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...		0.109	0.135	0.144	0.152	0.160	0.166	0.144	14.18
65)	c	n-Nitrosodiphe...	0.582	0.602	0.566	0.544	0.573	0.576	0.551	0.571	3.39
66)		4-Bromophenyl-...	0.284	0.325	0.282	0.273	0.287	0.301	0.293	0.292	5.80
67)		Hexachlorobenzene	0.310	0.347	0.309	0.294	0.311	0.322	0.318	0.316	5.17
68)		Atrazine	0.266	0.282	0.266	0.259	0.286	0.289	0.275	0.275	4.17
69)	C	Pentachlorophenol		0.069	0.124	0.128	0.149	0.166	0.174	0.135	28.23
70)		Phenanthrene	1.155	1.120	1.010	0.934	0.971	0.962	0.872	1.003	10.11
71)		Anthracene	1.017	1.095	1.018	0.959	0.968	0.955	0.881	0.985	6.79
72)		Carbazole	0.869	0.961	0.890	0.822	0.875	0.866	0.793	0.868	6.11
73)		Di-n-butylphth...	0.989	1.140	1.063	0.981	0.995	0.967	0.858	0.999	8.71
74)	C	Fluoranthene	1.530	1.581	1.422	1.287	1.270	1.230	1.060	1.340	13.60
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.235	0.362	0.452	0.482	0.517	0.510	0.490	0.435	23.58
77)		Pyrene	1.034	1.070	1.032	0.933	0.928	0.881	0.774	0.950	10.92
78)	S	Terphenyl-d14	0.974	0.987	0.848	0.710	0.660	0.588	0.494	0.752	25.34
79)		Butylbenzylpht...	0.348	0.352	0.353	0.348	0.355	0.351	0.333	0.348	2.10
80)		Benzo(a)anthra...	1.222	1.250	1.163	1.021	0.993	0.915	0.799	1.052	15.89
81)		3,3'-Dichlorob...	0.411	0.446	0.447	0.459	0.460	0.466	0.440	0.447	4.07
82)		Chrysene	1.145	1.168	1.096	0.976	0.933	0.876	0.759	0.993	15.20

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG012015.M

83)		Bis(2-ethylhex...	0.432	0.476	0.484	0.475	0.484	0.480	0.448	0.469	4.30
84)	c	Di-n-octyl pht...	0.706	0.773	0.780	0.727	0.732	0.712	0.643	0.725	6.33
85)		Indeno(1,2,3-c...	0.990	1.241	1.220	1.182	1.230	1.206	1.139	1.173	7.46
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.291	1.271	1.193	1.083	1.109	1.059	0.985	1.142	9.96
88)		Benzo(k)fluora...	1.233	1.254	1.175	1.062	1.069	1.018	0.925	1.105	10.89
89)	C	Benzo(a)pyrene	1.118	1.239	1.145	1.064	1.095	1.037	0.990	1.098	7.34
90)		Dibenzo(a,h)an...	0.892	1.071	1.109	1.023	1.089	1.067	1.047	1.043	6.88
91)		Benzo(g,h,i)pe...	0.876	1.107	1.035	0.979	1.069	1.026	1.029	1.017	7.24

(#) = Out of Range