Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
Method File : 8270-BG030419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 04 14:38:15 2019
Response Via : Initial Calibration

Calibration Files
2.5 =BG039729.D 10 =BG039723.D 25 =BG039724.D 40 =BG039725.D 50 =BG039726.D 60 =BG039727.D 80 =BG039728.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.597	0.539	0.553	0.515	0.528	0.543	0.512	0.541	5.32
3)		Pyridine	1.397	1.374	1.556	1.538	1.442	1.419	1.417	1.449	4.84
4)		n-Nitrosodimet...	0.605	0.641	0.691	0.701	0.710	0.728	0.736	0.687	6.94
5)	S	2-Fluorophenol	1.157	1.098	1.190	1.180	1.190	1.195	1.196	1.172	3.01
6)		Aniline	2.287	2.150	2.336	2.292	2.322	2.347	2.298	2.290	2.88
7)	S	Phenol-d6	1.649	1.642	1.829	1.777	1.786	1.801	1.753	1.748	4.22
8)		2-Chlorophenol	1.385	1.346	1.462	1.429	1.456	1.446	1.431	1.422	2.95
9)		Benzaldehyde	1.229	1.184	1.244	1.135	1.099	1.060	0.941	1.128	9.38
10)	C	Phenol	1.829	1.761	1.955	1.933	1.921	1.942	1.914	1.894	3.76
11)		bis(2-Chloroet...	1.421	1.423	1.535	1.459	1.487	1.505	1.506	1.476	2.95
12)		1,3-Dichlorobe...	1.700	1.567	1.599	1.605	1.576	1.616	1.596	1.609	2.73
13)	C	1,4-Dichlorobe...	1.790	1.510	1.685	1.612	1.625	1.628	1.618	1.638	5.16
14)		1,2-Dichlorobe...	1.663	1.569	1.647	1.561	1.560	1.540	1.541	1.583	3.19
15)		Benzyl Alcohol	1.152	1.308	1.463	1.431	1.457	1.467	1.428	1.387	8.43
16)		2,2'-oxybis(1-...	3.088	2.955	3.038	2.927	2.884	2.895	2.884	2.953	2.73
17)		2-Methylphenol	1.094	1.108	1.257	1.235	1.243	1.265	1.249	1.207	6.07
18)		Hexachloroethane	0.624	0.570	0.585	0.569	0.576	0.594	0.597	0.588	3.28
19)	P	n-Nitroso-di-n...	1.181	1.188	1.333	1.294	1.284	1.288	1.239	1.258	4.54
20)		3+4-Methylphenols	1.511	1.522	1.760	1.718	1.750	1.754	1.727	1.677	6.61
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.518	0.539	0.553	0.545	0.542	0.540	0.519	0.537	2.46
23)	S	Nitrobenzene-d5	0.359	0.359	0.371	0.376	0.374	0.376	0.373	0.370	2.02
24)		Nitrobenzene	0.381	0.380	0.391	0.393	0.392	0.391	0.387	0.388	1.36
25)		Isophorone	0.726	0.752	0.813	0.793	0.782	0.791	0.767	0.775	3.74
26)	C	2-Nitrophenol	0.176	0.165	0.183	0.196	0.193	0.200	0.197	0.187	6.88
27)		2,4-Dimethylph...	0.265	0.286	0.302	0.300	0.296	0.296	0.293	0.291	4.29
28)		bis(2-Chloroet...	0.466	0.473	0.481	0.480	0.471	0.470	0.455	0.471	1.84
29)	C	2,4-Dichloroph...	0.277	0.311	0.336	0.342	0.344	0.343	0.343	0.328	7.72
30)		1,2,4-Trichlor...	0.391	0.355	0.371	0.367	0.366	0.370	0.365	0.369	2.98
31)		Naphthalene	1.089	1.073	1.080	1.067	1.041	1.043	1.017	1.059	2.42
32)		Benzoic acid		0.112	0.162	0.185	0.204	0.205	0.215	0.181	21.21
33)		4-Chloroaniline	0.406	0.436	0.473	0.466	0.454	0.461	0.447	0.449	5.03
34)	C	Hexachlorobuta...	0.261	0.243	0.255	0.253	0.250	0.251	0.252	0.252	2.18
35)		Caprolactam	0.117	0.114	0.129	0.130	0.130	0.130	0.126	0.125	5.42
36)	C	4-Chloro-3-met...	0.353	0.351	0.388	0.393	0.388	0.384	0.376	0.376	4.61
37)		2-Methylnaphth...	0.800	0.805	0.816	0.799	0.779	0.784	0.759	0.792	2.41

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38)		1-Methylnaphth...	0.785	0.765	0.798	0.784	0.756	0.763	0.734	0.769	2.78
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.731	0.664	0.672	0.676	0.666	0.667	0.667	0.678	3.56
41)	P	Hexachlorocycl...	0.285	0.342	0.371	0.369	0.385	0.387	0.402	0.363	10.77
42)	S	2,4,6-Tribromo...	0.202	0.218	0.237	0.246	0.242	0.244	0.243	0.233	7.10
43)	C	2,4,6-Trichlor...	0.323	0.376	0.415	0.411	0.419	0.413	0.419	0.397	8.98
44)		2,4,5-Trichlor...	0.373	0.421	0.464	0.474	0.462	0.468	0.467	0.447	8.28
45)	S	2-Fluorobiphenyl	1.575	1.470	1.434	1.400	1.349	1.312	1.294	1.405	7.01
46)		1,1'-Biphenyl	1.764	1.676	1.663	1.644	1.617	1.584	1.567	1.645	4.01
47)		2-Chloronaphth...	1.283	1.266	1.259	1.229	1.220	1.202	1.203	1.238	2.59
48)		2-Nitroaniline	0.338	0.365	0.414	0.417	0.420	0.417	0.412	0.398	8.21
49)		Acenaphthylene	2.016	2.105	2.092	2.066	2.028	1.983	1.930	2.031	3.06
50)		Dimethylphthalate	1.750	1.703	1.722	1.697	1.638	1.614	1.583	1.672	3.68
51)		2,6-Dinitrotol...	0.301	0.340	0.369	0.376	0.370	0.361	0.365	0.355	7.35
52)	C	Acenaphthene	1.260	1.243	1.244	1.226	1.204	1.198	1.185	1.223	2.29
53)		3-Nitroaniline	0.318	0.338	0.371	0.373	0.365	0.363	0.367	0.356	5.81
54)	P	2,4-Dinitrophenol		0.134	0.185	0.208	0.211	0.215	0.227	0.197	17.03
55)		Dibenzofuran	2.113	2.100	2.069	2.018	1.952	1.926	1.865	2.006	4.71
56)	P	4-Nitrophenol		0.278	0.322	0.334	0.327	0.325	0.328	0.319	6.45
57)		2,4-Dinitrotol...	0.425	0.482	0.504	0.528	0.521	0.511	0.517	0.498	7.13
58)		Fluorene	1.630	1.644	1.648	1.582	1.539	1.517	1.478	1.577	4.27
59)		2,3,4,6-Tetrac...	0.353	0.425	0.450	0.458	0.462	0.454	0.455	0.437	8.90
60)		Diethylphthalate	1.684	1.689	1.714	1.701	1.626	1.603	1.571	1.656	3.32
61)		4-Chlorophenyl...	0.858	0.860	0.874	0.849	0.828	0.815	0.807	0.842	3.00
62)		4-Nitroaniline	0.323	0.383	0.408	0.413	0.393	0.393	0.391	0.386	7.71
63)		Azobenzene	1.552	1.551	1.558	1.511	1.473	1.447	1.413	1.501	3.83
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.113	0.119	0.124	0.126	0.127	0.118	8.94
66)	c	n-Nitrosodiphe...	0.571	0.582	0.590	0.593	0.584	0.576	0.556	0.579	2.18
67)		4-Bromophenyl-...	0.225	0.217	0.223	0.225	0.226	0.226	0.225	0.224	1.53
68)		Hexachlorobenzene	0.227	0.230	0.234	0.232	0.237	0.233	0.230	0.232	1.37
69)		Atrazine	0.220	0.224	0.234	0.232	0.233	0.229	0.224	0.228	2.45
70)	C	Pentachlorophenol		0.117	0.142	0.150	0.155	0.156	0.160	0.147	10.72
71)		Phenanthrene	1.200	1.150	1.119	1.102	1.074	1.051	1.014	1.102	5.64
72)		Anthracene	1.132	1.095	1.107	1.074	1.067	1.045	0.995	1.074	4.17
73)		Carbazole	1.010	0.999	1.007	0.967	0.959	0.936	0.897	0.968	4.31
74)		Di-n-butylphth...	1.185	1.168	1.174	1.146	1.121	1.107	1.070	1.139	3.66
75)	C	Fluoranthene	1.434	1.366	1.347	1.288	1.260	1.236	1.183	1.302	6.57
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.426	0.649	0.695	0.707	0.667	0.655	0.644	0.635	14.99
78)		Pyrene	1.320	1.366	1.364	1.329	1.275	1.260	1.182	1.300	5.06
79)	S	Terphenyl-d14	1.012	0.991	0.956	0.910	0.866	0.846	0.777	0.908	9.30
80)		Butylbenzylpht...	0.422	0.478	0.524	0.528	0.527	0.526	0.519	0.504	7.99
81)		Benzo(a)anthra...	1.283	1.288	1.271	1.269	1.242	1.231	1.190	1.253	2.77
82)		3,3'-Dichlorob...	0.418	0.449	0.482	0.481	0.464	0.463	0.446	0.458	4.87

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83)		Chrysene	1.292	1.235	1.247	1.215	1.196	1.185	1.136	1.215	4.10
84)		Bis(2-ethylhex...	0.605	0.677	0.746	0.739	0.732	0.741	0.715	0.708	7.23
85)	c	Di-n-octyl pht...	0.940	1.113	1.232	1.249	1.231	1.236	1.201	1.172	9.55
86)		Indeno(1,2,3-c...	1.265	1.305	1.399	1.422	1.415	1.430	1.414	1.379	4.75
87)	I	Perylene-d12	----------ISTD----------								
88)		Benzo(b)fluora...	1.204	1.193	1.214	1.183	1.180	1.189	1.186	1.193	1.03
89)		Benzo(k)fluora...	1.142	1.136	1.109	1.092	1.124	1.109	1.060	1.110	2.51
90)	C	Benzo(a)pyrene	1.072	1.089	1.110	1.103	1.117	1.118	1.105	1.102	1.50
91)		Dibenzo(a,h)an...	1.051	1.102	1.095	1.065	1.090	1.086	1.074	1.080	1.66
92)		Benzo(g,h,i)pe...	1.038	1.075	1.096	1.085	1.094	1.103	1.105	1.085	2.14

(#) = Out of Range