Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
Method File : 8270-BG092018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 20 20:07:11 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BG036844.D 10 =BG036845.D 25 =BG036846.D 40 =BG036847.D 50 =BG036848.D 60 =BG036849.D 80 =BG036850.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane		0.449	0.497	0.512	0.489	0.470	0.447	0.477	5.55
3)		Pyridine	1.258	1.210	1.351	1.454	1.452	1.487	1.432	1.378	7.80
4)		n-Nitrosodimet...	0.608	0.613	0.610	0.629	0.614	0.611	0.602	0.612	1.33
5)	S	2-Fluorophenol	0.937	1.047	1.058	1.080	1.043	1.084	1.051	1.043	4.73
6)		Aniline	1.993	1.991	2.137	2.142	2.113	2.192	2.088	2.094	3.65
7)	S	Phenol-d6	1.491	1.484	1.620	1.673	1.660	1.725	1.641	1.613	5.70
8)		2-Chlorophenol	1.112	1.199	1.228	1.257	1.215	1.256	1.210	1.211	4.03
9)		Benzaldehyde	1.227	1.193	1.128	1.091	1.015	0.969	0.841	1.066	12.65
10)	C	Phenol	1.416	1.599	1.659	1.720	1.739	1.806	1.718	1.665	7.65
11)		bis(2-Chloroet...	1.665	1.645	1.502	1.497	1.498	1.544	1.432	1.540	5.52
12)		1,3-Dichlorobe...	1.557	1.545	1.483	1.527	1.426	1.458	1.397	1.485	4.13
13)	C	1,4-Dichlorobe...	1.594	1.548	1.550	1.535	1.479	1.500	1.430	1.519	3.56
14)		1,2-Dichlorobe...	1.635	1.494	1.471	1.462	1.401	1.453	1.390	1.472	5.49
15)		Benzyl Alcohol	1.256	1.199	1.314	1.338	1.336	1.377	1.344	1.309	4.68
16)		2,2'-oxybis(1-...	3.180	2.989	2.953	3.034	2.856	2.947	2.742	2.957	4.65
17)		2-Methylphenol	1.112	1.155	1.138	1.173	1.172	1.214	1.155	1.160	2.71
18)		Hexachloroethane	0.583	0.583	0.544	0.573	0.541	0.566	0.523	0.559	4.16
19)	P	n-Nitroso-di-n...	1.304	1.346	1.341	1.364	1.355	1.400	1.286	1.342	2.82
20)		3+4-Methylphenols	1.288	1.615	1.674	1.663	1.653	1.720	1.682	1.614	9.10
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.468	0.482	0.479	0.462	0.461	0.472	0.466	0.470	1.73
23)	S	Nitrobenzene-d5	0.373	0.371	0.376	0.379	0.374	0.375	0.367	0.373	0.98
24)		Nitrobenzene	0.407	0.414	0.393	0.402	0.392	0.398	0.386	0.399	2.45
25)		Isophorone	0.682	0.665	0.681	0.682	0.690	0.699	0.679	0.682	1.50
26)	C	2-Nitrophenol	0.136	0.142	0.157	0.165	0.169	0.173	0.172	0.159	9.29
27)		2,4-Dimethylph...	0.233	0.232	0.246	0.252	0.256	0.260	0.254	0.248	4.55
28)		bis(2-Chloroet...	0.442	0.411	0.424	0.426	0.419	0.417	0.408	0.421	2.67
29)	C	2,4-Dichloroph...	0.238	0.262	0.292	0.300	0.302	0.308	0.307	0.287	9.29
30)		1,2,4-Trichlor...	0.376	0.360	0.352	0.363	0.357	0.359	0.348	0.359	2.44
31)		Naphthalene	1.025	0.981	0.952	0.943	0.926	0.932	0.902	0.952	4.27
32)		Benzoic acid		0.128	0.154	0.176	0.192	0.196	0.202	0.175	16.47
33)		4-Chloroaniline	0.423	0.427	0.438	0.434	0.438	0.441	0.428	0.433	1.60
34)	C	Hexachlorobuta...	0.259	0.247	0.248	0.249	0.245	0.246	0.244	0.248	2.00
35)		Caprolactam		0.102	0.118	0.121	0.126	0.121	0.120	0.118	6.82
36)	C	4-Chloro-3-met...	0.291	0.312	0.350	0.362	0.361	0.362	0.360	0.343	8.48
37)		2-Methylnaphth...	0.766	0.737	0.725	0.715	0.719	0.719	0.692	0.725	3.14

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.712	0.705	0.707	0.701	0.690	0.688	0.679	0.698	1.71
40)	P	Hexachlorocycl...		0.298	0.341	0.378	0.369	0.380	0.386	0.359	9.36
41)	S	2,4,6-Tribromo...	0.217	0.231	0.244	0.246	0.247	0.247	0.244	0.239	4.73
42)	C	2,4,6-Trichlor...	0.318	0.371	0.398	0.400	0.407	0.412	0.406	0.387	8.63
43)		2,4,5-Trichlor...	0.347	0.381	0.420	0.434	0.427	0.441	0.440	0.413	8.59
44)	S	2-Fluorobiphenyl	1.478	1.414	1.382	1.354	1.285	1.275	1.213	1.343	6.77
45)		1,1'-Biphenyl	1.626	1.611	1.563	1.523	1.476	1.483	1.440	1.532	4.63
46)		2-Chloronaphth...	1.283	1.254	1.216	1.198	1.162	1.180	1.139	1.205	4.21
47)		2-Nitroaniline	0.375	0.403	0.433	0.435	0.427	0.427	0.417	0.417	5.10
48)		Acenaphthylene	2.009	1.949	1.942	1.889	1.841	1.829	1.755	1.888	4.56
49)		Dimethylphthalate	1.720	1.663	1.661	1.618	1.585	1.542	1.480	1.610	5.06
50)		2,6-Dinitrotol...	0.332	0.352	0.365	0.355	0.353	0.357	0.345	0.351	3.00
51)	C	Acenaphthene	1.255	1.163	1.142	1.138	1.112	1.106	1.070	1.141	5.12
52)		3-Nitroaniline	0.345	0.358	0.390	0.381	0.382	0.376	0.359	0.370	4.42
53)	P	2,4-Dinitrophenol		0.081	0.117	0.141	0.152	0.158	0.168	0.136	23.57
54)		Dibenzofuran	2.087	2.023	1.962	1.939	1.867	1.856	1.773	1.930	5.55
55)	P	4-Nitrophenol		0.181	0.230	0.247	0.258	0.248	0.253	0.236	12.13
56)		2,4-Dinitrotol...	0.489	0.468	0.507	0.499	0.500	0.490	0.477	0.490	2.76
57)		Fluorene	1.554	1.507	1.492	1.435	1.407	1.384	1.317	1.442	5.64
58)		2,3,4,6-Tetrac...	0.401	0.389	0.423	0.439	0.429	0.423	0.428	0.419	4.15
59)		Diethylphthalate	1.799	1.690	1.649	1.621	1.591	1.543	1.472	1.624	6.48
60)		4-Chlorophenyl...	0.937	0.943	0.937	0.919	0.905	0.897	0.855	0.913	3.39
61)		4-Nitroaniline	0.383	0.395	0.398	0.399	0.388	0.390	0.372	0.389	2.43
62)		Azobenzene	1.672	1.633	1.588	1.567	1.521	1.500	1.440	1.560	5.11
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...		0.079	0.102	0.105	0.110	0.113	0.118	0.105	13.21
65)	c	n-Nitrosodiphe...	0.555	0.573	0.554	0.560	0.542	0.551	0.530	0.552	2.45
66)		4-Bromophenyl-...	0.216	0.226	0.226	0.232	0.232	0.234	0.227	0.227	2.70
67)		Hexachlorobenzene	0.234	0.235	0.232	0.239	0.235	0.236	0.229	0.234	1.24
68)		Atrazine	0.234	0.231	0.228	0.230	0.222	0.218	0.202	0.224	4.93
69)	C	Pentachlorophenol		0.116	0.140	0.154	0.155	0.159	0.160	0.148	11.55
70)		Phenanthrene	1.029	1.022	0.968	0.968	0.944	0.933	0.883	0.964	5.27
71)		Anthracene	1.019	0.989	0.972	0.958	0.932	0.924	0.878	0.953	4.87
72)		Carbazole	0.975	0.995	0.947	0.941	0.903	0.892	0.850	0.929	5.41
73)		Di-n-butylphth...	1.098	1.111	1.050	1.045	1.005	0.985	0.929	1.032	6.21
74)	C	Fluoranthene	1.312	1.259	1.172	1.166	1.105	1.088	1.020	1.160	8.68
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.688	0.641	0.670	0.600	0.592	0.552	0.489	0.605	11.47
77)		Pyrene	1.304	1.245	1.227	1.209	1.182	1.148	1.086	1.200	5.85
78)	S	Terphenyl-d14	0.918	0.813	0.769	0.756	0.719	0.700	0.649	0.761	11.42
79)		Butylbenzylpht...	0.541	0.467	0.467	0.477	0.471	0.470	0.455	0.478	5.96
80)		Benzo(a)anthra...	1.408	1.187	1.159	1.144	1.113	1.107	1.055	1.167	9.79
81)		3,3'-Dichlorob...	0.450	0.451	0.452	0.457	0.440	0.442	0.420	0.444	2.78
82)		Chrysene	1.385	1.140	1.104	1.110	1.075	1.063	1.019	1.128	10.63

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83)		Bis(2-ethylhex...	0.804	0.663	0.649	0.655	0.645	0.643	0.619	0.668	9.16
84)	c	Di-n-octyl pht...	1.252	1.081	1.100	1.102	1.070	1.066	1.031	1.100	6.45
85)		Indeno(1,2,3-c...	1.210	1.180	1.201	1.235	1.221	1.222	1.210	1.211	1.47
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.217	1.053	1.041	1.088	1.038	1.033	0.992	1.066	6.78
88)		Benzo(k)fluora...	1.254	1.055	1.069	1.051	1.036	1.022	0.997	1.069	7.94
89)	C	Benzo(a)pyrene	1.155	1.021	1.015	1.037	1.006	1.011	0.969	1.030	5.70
90)		Dibenzo(a,h)an...	1.019	0.964	0.956	0.975	0.959	0.955	0.934	0.966	2.74
91)		Benzo(g,h,i)pe...	1.012	0.948	0.949	0.995	0.963	0.971	0.947	0.969	2.62

(#) = Out of Range