Response Factor Report GC/MS Ins

Method Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG031918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Mar 23 15:11:46 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BG033232.D 10 =BG033233.D 25 =BG033234.D 40 =BG033291.D 50 =BG033236.D 60 =BG033237.D 80 =BG033238.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.588	0.518	0.567	0.536	0.530	0.504	0.548	0.542	5.31
3)		Pyridine	1.234	1.328	1.420	1.654	1.618	1.568	1.659	1.497	11.39
4)		n-Nitrosodimet...		0.548	0.579	0.621	0.647	0.636	0.657	0.614	6.91
5)	S	2-Fluorophenol	0.775	1.010	1.077	1.157	1.159	1.123	1.166	1.067	13.13
6)		Aniline	1.721	2.043	2.234	2.330	2.291	2.143	2.324	2.155	10.10
7)	S	Phenol-d6		1.663	1.866	1.894	1.866	1.775	1.931	1.833	5.33
8)		2-Chlorophenol	1.055	1.105	1.237	1.325	1.267	1.232	1.315	1.219	8.41
9)		Benzaldehyde	1.274	1.368	1.328	1.140	1.096	0.970	0.977	1.165	13.93
10)	C	Phenol		1.622	1.818	1.909	1.825	1.772	1.910	1.809	5.91
11)		bis(2-Chloroet...	1.262	1.619	1.440	1.609	1.515	1.346	1.547	1.477	9.11
12)		1,3-Dichlorobe...	1.587	1.659	1.589	1.625	1.587	1.525	1.589	1.594	2.58
13)	C	1,4-Dichlorobe...	1.758	1.672	1.545	1.598	1.560	1.465	1.579	1.597	5.91
14)		1,2-Dichlorobe...	1.520	1.638	1.559	1.633	1.565	1.479	1.514	1.558	3.87
15)		Benzyl Alcohol	1.229	1.158	1.503	1.549	1.521	1.486	1.655	1.443	12.49
16)		2,2'-oxybis(1-...	2.365	2.425	2.484	2.461	2.414	2.297	2.408	2.408	2.57
17)		2-Methylphenol	1.077	1.178	1.177	1.264	1.362	1.176	1.393	1.233	9.19
18)		Hexachloroethane	0.625	0.653	0.622	0.622	0.600	0.570	0.622	0.616	4.19
19)	P	n-Nitroso-di-n...	1.155	1.211	1.415	1.467	1.382	1.347	1.423	1.343	8.67
20)		3+4-Methylphenols	1.352	1.672	1.825	1.891	1.855	1.775	1.914	1.755	11.11
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)		Acetophenone	0.410	0.525	0.536	0.590	0.607	0.573	0.595	0.548	12.40
23)	S	Nitrobenzene-d5	0.383	0.433	0.429	0.448	0.465	0.434	0.454	0.435	6.08
24)		Nitrobenzene	0.429	0.456	0.442	0.483	0.498	0.467	0.487	0.466	5.38
25)		Isophorone	0.753	0.828	0.843	0.874	0.901	0.839	0.876	0.845	5.66
26)	C	2-Nitrophenol	0.128	0.158	0.177	0.191	0.191	0.185	0.204	0.176	14.52
27)		2,4-Dimethylph...		0.221	0.237	0.252	0.280	0.271	0.277	0.256	9.31
28)		bis(2-Chloroet...	0.378	0.425	0.403	0.438	0.453	0.420	0.435	0.422	5.91
29)	C	2,4-Dichloroph...	0.222	0.308	0.320	0.331	0.352	0.327	0.347	0.315	13.91
30)		1,2,4-Trichlor...	0.406	0.407	0.383	0.416	0.432	0.404	0.419	0.409	3.77
31)		Naphthalene	0.999	1.051	1.005	1.055	1.077	1.016	1.053	1.036	2.86
32)		Benzoic acid		0.226	0.205	0.213	0.265	0.237	0.282	0.238	12.64
33)		4-Chloroaniline		0.438	0.433	0.486	0.485	0.461	0.484	0.464	5.23
34)	C	Hexachlorobuta...	0.301	0.334	0.296	0.304	0.320	0.301	0.311	0.310	4.25
35)		Caprolactam	0.104	0.117	0.117	0.129	0.140	0.125	0.133	0.123	9.57
36)	C	4-Chloro-3-met...	0.303	0.409	0.417	0.442	0.456	0.416	0.434	0.411	12.27
37)		2-Methylnaphth...	0.775	0.819	0.802	0.796	0.837	0.789	0.813	0.804	2.58

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38)	I	Acenaphthene-d10	----------ISTD----------							
39)		1,2,4,5-Tetrac...	0.741	0.726	0.694	0.731	0.717	0.735	0.728	0.724	2.11
40)	P	Hexachlorocycl...		0.348	0.395	0.439	0.436	0.464	0.465	0.425	10.70
41)	S	2,4,6-Tribromo...	0.278	0.293	0.293	0.310	0.311	0.311	0.298	0.299	4.16
42)	C	2,4,6-Trichlor...	0.338	0.400	0.423	0.446	0.445	0.454	0.441	0.421	9.71
43)		2,4,5-Trichlor...	0.368	0.469	0.473	0.545	0.539	0.557	0.531	0.498	13.47
44)	S	2-Fluorobiphenyl	1.432	1.408	1.363	1.410	1.369	1.384	1.332	1.385	2.45
45)		1,1'-Biphenyl	1.475	1.564	1.512	1.567	1.531	1.578	1.528	1.537	2.35
46)		2-Chloronaphth...	1.182	1.180	1.177	1.215	1.170	1.212	1.158	1.185	1.77
47)		2-Nitroaniline	0.354	0.426	0.461	0.467	0.475	0.473	0.450	0.444	9.72
48)		Acenaphthylene	1.908	2.017	2.025	2.009	1.996	1.991	1.897	1.978	2.67
49)		Dimethylphthalate	1.710	1.810	1.743	1.767	1.765	1.733	1.657	1.741	2.80
50)		2,6-Dinitrotol...	0.285	0.343	0.372	0.378	0.385	0.373	0.355	0.356	9.67
51)	C	Acenaphthene	1.160	1.269	1.280	1.317	1.307	1.320	1.271	1.275	4.32
52)		3-Nitroaniline		0.363	0.378	0.386	0.383	0.374	0.356	0.373	3.10
53)	P	2,4-Dinitrophenol		0.060	0.128	0.164	0.175	0.185	0.181	0.149	32.44
54)		Dibenzofuran	1.988	1.915	1.868	1.907	1.874	1.851	1.778	1.883	3.42
55)	P	4-Nitrophenol		0.213	0.255	0.275	0.284	0.281	0.267	0.262	10.10
56)		2,4-Dinitrotol...	0.452	0.537	0.541	0.537	0.554	0.543	0.504	0.524	6.76
57)		Fluorene	1.637	1.719	1.587	1.601	1.610	1.579	1.497	1.604	4.15
58)		2,3,4,6-Tetrac...	0.389	0.432	0.483	0.494	0.497	0.490	0.493	0.468	8.85
59)		Diethylphthalate	1.678	1.745	1.698	1.705	1.742	1.678	1.585	1.690	3.19
60)		4-Chlorophenyl...	0.945	0.972	0.909	0.914	0.928	0.906	0.882	0.922	3.19
61)		4-Nitroaniline	0.356	0.375	0.381	0.389	0.401	0.380	0.363	0.378	3.95
62)		Azobenzene	1.584	1.703	1.652	1.669	1.673	1.624	1.555	1.637	3.22
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-...		0.092	0.112	0.127	0.128	0.130	0.130	0.120	12.72
65)	c	n-Nitrosodiphe...	0.556	0.567	0.563	0.582	0.578	0.576	0.575	0.571	1.64
66)		4-Bromophenyl-...	0.211	0.231	0.236	0.241	0.238	0.243	0.245	0.235	4.95
67)		Hexachlorobenzene	0.239	0.244	0.248	0.250	0.253	0.248	0.254	0.248	2.12
68)		Atrazine	0.214	0.233	0.231	0.238	0.240	0.233	0.231	0.231	3.69
69)	C	Pentachlorophenol		0.144	0.161	0.173	0.181	0.179	0.182	0.170	8.83
70)		Phenanthrene	1.087	1.060	1.026	1.057	1.042	1.022	0.997	1.042	2.84
71)		Anthracene	1.091	1.075	1.040	1.070	1.065	1.033	1.009	1.055	2.69
72)		Carbazole	0.921	0.975	0.930	0.957	0.943	0.914	0.902	0.935	2.72
73)		Di-n-butylphth...	1.057	1.120	1.093	1.117	1.107	1.082	1.039	1.088	2.80
74)	C	Fluoranthene	1.367	1.352	1.270	1.308	1.287	1.238	1.200	1.289	4.64
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine	0.372	0.534	0.564	0.594	0.596	0.592	0.546	0.542	14.58
77)		Pyrene	1.357	1.394	1.342	1.352	1.322	1.304	1.267	1.334	3.08
78)	S	Terphenyl-d14	0.980	0.996	0.948	0.939	0.919	0.894	0.870	0.935	4.79
79)		Butylbenzylpht...	0.479	0.487	0.490	0.502	0.500	0.494	0.495	0.492	1.60
80)		Benzo(a)anthra...	1.309	1.305	1.273	1.278	1.269	1.239	1.242	1.274	2.13
81)		3,3'-Dichlorob...	0.405	0.441	0.462	0.478	0.464	0.463	0.459	0.453	5.26
82)		Chrysene	1.325	1.244	1.215	1.237	1.216	1.197	1.195	1.233	3.63

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83)		Bis(2-ethylhex...	0.666	0.678	0.663	0.694	0.690	0.678	0.680	0.679	1.65
84)	c	Di-n-octyl pht...	0.972	1.016	1.027	1.076	1.056	1.050	1.075	1.039	3.56
85)		Indeno(1,2,3-c...	1.260	1.298	1.305	1.366	1.361	1.346	1.394	1.333	3.52
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.179	1.164	1.142	1.174	1.161	1.135	1.132	1.155	1.65
88)		Benzo(k)fluora...	1.179	1.186	1.156	1.188	1.183	1.145	1.142	1.169	1.73
89)	C	Benzo(a)pyrene	1.112	1.113	1.083	1.131	1.124	1.105	1.099	1.110	1.44
90)		Dibenzo(a,h)an...	0.933	1.026	1.040	1.097	1.090	1.064	1.068	1.045	5.33
91)		Benzo(g,h,i)pe...	0.977	0.999	1.017	1.067	1.063	1.057	1.066	1.035	3.59

(#) = Out of Range