Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG080116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Aug 01 19:22:14 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BG023382.D 10 =BG023383.D 25 =BG023384.D 40 =BG023385.D 50 =BG023386.D 60 =BG023387.D 80 =BG023388.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.568	0.502	0.552	0.464	0.490	0.501	0.467	0.506	7.85
3)		Pyridine	1.462	1.618	1.721	1.615	1.722	1.758	1.749	1.664	6.41
4)		n-Nitrosodimet...	0.613	0.587	0.633	0.577	0.627	0.644	0.636	0.617	4.16
5)	S	2-Fluorophenol	1.207	1.214	1.229	1.128	1.191	1.198	1.150	1.188	3.06
6)		Aniline	2.517	2.803	2.725	2.544	2.705	2.709	2.712	2.674	3.88
7)	S	Phenol-d6	1.809	1.968	1.916	1.759	1.837	1.845	1.821	1.851	3.76
8)		2-Chlorophenol	1.428	1.372	1.369	1.290	1.357	1.383	1.355	1.365	3.00
9)		Benzaldehyde		1.341	1.186	1.038	0.992	0.920		1.096	15.37
10)	C	Phenol	1.827	2.095	2.039	1.886	2.001	2.017	1.993	1.980	4.66
11)		bis(2-Chloroet...	1.586	1.652	1.628	1.484	1.564	1.574	1.567	1.579	3.38
12)		1,3-Dichlorobe...	1.610	1.601	1.613	1.479	1.538	1.577	1.522	1.563	3.27
13)	C	1,4-Dichlorobe...	1.713	1.648	1.623	1.489	1.594	1.585	1.546	1.600	4.51
14)		1,2-Dichlorobe...	1.734	1.638	1.598	1.448	1.533	1.538	1.496	1.569	6.09
15)		Benzyl Alcohol	1.211	1.355	1.386	1.357	1.462	1.497	1.547	1.402	7.97
16)		2,2'-oxybis(1-...	2.271	2.479	2.370	2.196	2.308	2.335	2.298	2.322	3.79
17)		2-Methylphenol	1.308	1.329	1.359	1.251	1.326	1.360	1.359	1.327	2.97
18)		Hexachloroethane	0.627	0.609	0.611	0.560	0.605	0.612	0.592	0.602	3.52
19)	P	n-Nitroso-di-n...	1.409	1.737	1.614	1.516	1.604	1.615	1.647	1.592	6.52
20)		3+4-Methylphenols	1.717	1.898	1.887	1.796	1.900	1.921	1.980	1.871	4.64
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.584	0.577	0.572	0.516	0.545	0.530	0.509	0.548	5.58
23)	S	Nitrobenzene-d5	0.416	0.419	0.422	0.388	0.406	0.394	0.371	0.402	4.71
24)		Nitrobenzene	0.470	0.457	0.458	0.427	0.447	0.438	0.422	0.445	3.97
25)		Isophorone	0.821	0.890	0.876	0.809	0.854	0.826	0.790	0.838	4.36
26)	C	2-Nitrophenol	0.172	0.176	0.195	0.186	0.202	0.195	0.190	0.188	5.68
27)		2,4-Dimethylph...	0.303	0.330	0.328	0.318	0.332	0.320	0.311	0.320	3.31
28)		bis(2-Chloroet...	0.532	0.547	0.516	0.480	0.504	0.485	0.461	0.504	6.03
29)	C	2,4-Dichloroph...	0.297	0.326	0.328	0.318	0.338	0.327	0.321	0.322	4.00
30)		1,2,4-Trichlor...	0.355	0.366	0.358	0.331	0.348	0.344	0.329	0.347	3.94
31)		Naphthalene	1.140	1.116	1.076	0.961	0.998	0.947	0.892	1.018	9.17
32)		Benzoic acid		0.151	0.235	0.281	0.306	0.302	0.313	0.265	23.59
33)		4-Chloroaniline	0.479	0.509	0.498	0.470	0.497	0.486	0.470	0.487	3.11
34)	C	Hexachlorobuta...	0.249	0.230	0.231	0.214	0.231	0.227	0.217	0.228	5.00
35)		Caprolactam	0.111	0.142	0.135	0.137	0.142	0.140	0.141	0.135	8.24
36)	C	4-Chloro-3-met...	0.394	0.464	0.428	0.407	0.434	0.426	0.407	0.423	5.48
37)		2-Methylnaphth...	0.834	0.863	0.794	0.734	0.764	0.732	0.700	0.774	7.61

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38)	I	Acenaphthene-d10	----------	ISTD	----------						
39)		1,2,4,5-Tetrac...	0.788	0.725	0.750	0.693	0.720	0.721	0.679	0.725	4.97
40)	P	Hexachlorocycl...		0.308	0.363	0.401	0.375	0.382	0.366	0.366	8.56
41)	S	2,4,6-Tribromo...	0.288	0.308	0.297	0.283	0.290	0.290	0.291	0.293	2.67
42)	C	2,4,6-Trichlor...	0.429	0.416	0.452	0.425	0.442	0.436	0.424	0.432	2.87
43)		2,4,5-Trichlor...	0.446	0.432	0.461	0.439	0.451	0.448	0.436	0.445	2.20
44)	S	2-Fluorobiphenyl		1.383	1.325	1.095	1.099	1.026		1.186	13.33
45)		1,1'-Biphenyl	1.747	1.649	1.648	1.451	1.479	1.423	1.305	1.529	10.20
46)		2-Chloronaphth...	1.330	1.238	1.238	1.134	1.157	1.125	1.058	1.183	7.69
47)		2-Nitroaniline	0.428	0.486	0.515	0.491	0.507	0.510	0.501	0.491	6.07
48)		Acenaphthylene	2.155	2.077	2.027	1.764	1.785	1.707	1.573	1.870	11.59
49)		Dimethylphthalate	1.704	1.741	1.643	1.460	1.460	1.412	1.322	1.534	10.45
50)		2,6-Dinitrotol...	0.383	0.366	0.367	0.354	0.363	0.356	0.356	0.363	2.73
51)	C	Acenaphthene	1.271	1.272	1.257	1.134	1.158	1.125	1.074	1.184	6.86
52)		3-Nitroaniline	0.371	0.433	0.425	0.409	0.410	0.407	0.414	0.410	4.80
53)	P	2,4-Dinitrophenol		0.189	0.214	0.237	0.248	0.247	0.262	0.233	11.50
54)		Dibenzofuran	2.015	1.977	1.836	1.615	1.621	1.538	1.435	1.720	13.04
55)	P	4-Nitrophenol		0.318	0.303	0.324	0.324	0.322	0.340	0.322	3.70
56)		2,4-Dinitrotol...	0.466	0.538	0.533	0.502	0.519	0.507	0.505	0.510	4.68
57)		Fluorene	1.768	1.709	1.582	1.406	1.414	1.348	1.277	1.501	12.50
58)		2,3,4,6-Tetrac...	0.411	0.427	0.420	0.400	0.398	0.402	0.399	0.408	2.82
59)		Diethylphthalate	1.792	1.764	1.668	1.473	1.467	1.405	1.334	1.558	11.68
60)		4-Chlorophenyl...	0.884	0.870	0.827	0.754	0.760	0.751	0.713	0.794	8.30
61)		4-Nitroaniline	0.410	0.475	0.439	0.432	0.430	0.426	0.443	0.436	4.61
62)		Azobenzene	1.783	1.771	1.677	1.506	1.509	1.448	1.359	1.579	10.47
63)	I	Phenanthrene-d10	----------	ISTD	----------						
64)		4,6-Dinitro-2-...	0.095	0.127	0.142	0.144	0.147	0.149	0.148	0.136	14.37
65)	c	n-Nitrosodiphe...	0.644	0.635	0.631	0.566	0.573	0.556	0.501	0.587	8.99
66)		4-Bromophenyl-...	0.238	0.231	0.244	0.227	0.237	0.236	0.218	0.233	3.59
67)		Hexachlorobenzene	0.266	0.256	0.266	0.246	0.255	0.255	0.241	0.255	3.68
68)		Atrazine	0.236	0.259	0.233	0.227	0.219	0.211	0.193	0.225	9.22
69)	C	Pentachlorophenol		0.120	0.142	0.170	0.152	0.155	0.153	0.149	11.35
70)		Phenanthrene	1.206	1.142	1.064	0.913	0.908	0.857		1.015	14.06
71)		Anthracene	1.151	1.174	1.095	0.925	0.916	0.864		1.021	13.19
72)		Carbazole	0.989	1.115	0.966	0.854	0.828	0.801	0.721	0.896	14.93
73)		Di-n-butylphth...		1.313	1.090	0.944	0.908	0.847		1.021	18.28
74)	C	Fluoranthene		1.434	1.177	0.987	0.941	0.892		1.086	20.49
75)	I	Chrysene-d12	----------	ISTD	----------						
76)		Benzidine	0.473	0.676	0.617	0.598	0.545	0.503	0.480	0.556	13.82
77)		Pyrene		1.640	1.361	1.188	1.129	1.115	0.999	1.239	18.52
78)	S	Terphenyl-d14		1.019	0.790	0.648	0.618	0.591		0.733	24.19
79)		Butylbenzylpht...	0.462	0.532	0.505	0.477	0.480	0.470	0.446	0.482	5.91
80)		Benzo(a)anthra...	1.290	1.251	1.186	1.043	1.033	1.005	0.922	1.104	12.53
81)		3,3'-Dichlorob...	0.458	0.452	0.481	0.445	0.460	0.450	0.424	0.453	3.80
82)		Chrysene	1.238	1.200	1.118	0.975	0.995	0.963	0.863	1.050	13.10

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83)		Bis(2-ethylhex...	0.688	0.682	0.716	0.641	0.658	0.643	0.589	0.659	6.26
84)	c	Di-n-octyl pht...	1.180	1.174	1.247	1.087	1.116	1.093	0.983	1.126	7.51
85)		Indeno(1,2,3-c...	1.293	1.281	1.389	1.278	1.319	1.331	1.298	1.312	2.95
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.239	1.175	1.174	1.074	1.103	1.086	1.026	1.125	6.54
88)		Benzo(k)fluora...	1.169	1.179	1.130	1.034	1.055	1.026	0.973	1.081	7.30
89)	C	Benzo(a)pyrene	1.131	1.142	1.105	1.025	1.053	1.041	0.994	1.070	5.26
90)		Dibenzo(a,h)an...	1.098	1.151	1.131	1.057	1.091	1.079	1.047	1.093	3.44
91)		Benzo(g,h,i)pe...	1.078	1.136	1.139	1.068	1.101	1.098	1.086	1.101	2.50

(#) = Out of Range