Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG122117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 22 11:08:55 2017
Response Via : Initial Calibration

Calibration Files
2.5 =BG031664.D 10 =BG031665.D 25 =BG031666.D 40 =BG031667.D 50 =BG031668.D 60 =BG031669.D 80 =BG031670.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.472	0.424	0.412	0.390	0.386	0.381	0.383	0.407	8.11
3)		Pyridine	0.910	1.050	1.112	1.144	1.134	1.133	1.134	1.088	7.77
4)		n-Nitrosodimet...		0.406	0.438	0.446	0.447	0.446	0.452	0.439	3.85
5)	S	2-Fluorophenol	1.147	1.096	1.096	1.096	1.081	1.087	1.084	1.098	2.03
6)		Aniline	1.836	1.846	1.841	1.880	1.798	1.807	1.830	1.834	1.47
7)	S	Phenol-d6	1.402	1.433	1.444	1.466	1.402	1.407	1.425	1.426	1.70
8)		2-Chlorophenol	1.361	1.252	1.267	1.280	1.241	1.256	1.259	1.274	3.16
9)		Benzaldehyde	1.011	0.931	0.894	0.872	0.813	0.766	0.723	0.858	11.57
10)	C	Phenol	1.531	1.426	1.449	1.453	1.390	1.413	1.413	1.439	3.19
11)		bis(2-Chloroet...	1.295	1.207	1.211	1.198	1.145	1.149	1.162	1.195	4.34
12)		1,3-Dichlorobe...	1.680	1.612	1.567	1.576	1.533	1.556	1.549	1.582	3.16
13)	C	1,4-Dichlorobe...	1.800	1.617	1.604	1.588	1.552	1.578	1.571	1.616	5.19
14)		1,2-Dichlorobe...	1.621	1.569	1.528	1.523	1.479	1.489	1.509	1.531	3.21
15)		Benzyl Alcohol	1.006	1.028	1.092	1.112	1.061	1.099	1.094	1.070	3.71
16)		2,2'-oxybis(1-...		1.030	0.962	0.969	0.938	0.970	0.972	0.973	3.10
17)		2-Methylphenol	1.010	1.045	1.042	1.052	1.011	1.013	1.035	1.030	1.74
18)		Hexachloroethane	0.542	0.493	0.479	0.474	0.478	0.477	0.483	0.489	4.87
19)	P	n-Nitroso-di-n...	1.012	0.999	0.978	0.976	0.944	0.951	0.955	0.974	2.61
20)		3+4-Methylphenols	1.488	1.435	1.463	1.506	1.439	1.446	1.468	1.464	1.78
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.500	0.463	0.472	0.462	0.457	0.450	0.449	0.465	3.75
23)	S	Nitrobenzene-d5	0.235	0.245	0.262	0.273	0.276	0.280	0.283	0.265	6.96
24)		Nitrobenzene	0.233	0.260	0.270	0.284	0.287	0.289	0.288	0.273	7.56
25)		Isophorone	0.592	0.573	0.572	0.576	0.559	0.560	0.559	0.570	2.13
26)	C	2-Nitrophenol		0.107	0.133	0.145	0.150	0.160	0.163	0.143	14.31
27)		2,4-Dimethylph...	0.367	0.283	0.287	0.294	0.294	0.293	0.290	0.301	9.76
28)		bis(2-Chloroet...	0.408	0.393	0.382	0.380	0.371	0.374	0.369	0.383	3.60
29)	C	2,4-Dichloroph...	0.365	0.347	0.348	0.359	0.353	0.352	0.350	0.354	1.83
30)		1,2,4-Trichlor...	0.463	0.435	0.429	0.429	0.422	0.419	0.424	0.432	3.45
31)		Naphthalene	1.071	1.045	1.009	1.006	0.976	0.984	0.975	1.009	3.62
32)		Benzoic acid		0.120	0.169	0.197	0.197	0.209	0.224	0.186	19.99
33)		4-Chloroaniline	0.497	0.454	0.447	0.450	0.437	0.434	0.427	0.449	5.13
34)	C	Hexachlorobuta...	0.333	0.298	0.289	0.293	0.288	0.285	0.288	0.296	5.62
35)		Caprolactam		0.109	0.108	0.110	0.106	0.105	0.104	0.107	2.10
36)	C	4-Chloro-3-met...	0.344	0.326	0.330	0.328	0.317	0.322	0.319	0.327	2.78
37)		2-Methylnaphth...	0.912	0.828	0.812	0.809	0.797	0.789	0.780	0.818	5.43

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.911	0.841	0.853	0.830	0.842	0.819	0.802	0.842	4.09
40)	P	Hexachlorocycl...	0.418	0.404	0.447	0.453	0.465	0.456	0.469	0.444	5.51
41)	S	2,4,6-Tribromo...	0.299	0.303	0.302	0.308	0.308	0.309	0.307	0.305	1.19
42)	C	2,4,6-Trichlor...	0.451	0.483	0.503	0.489	0.492	0.493	0.490	0.486	3.40
43)		2,4,5-Trichlor...	0.539	0.530	0.537	0.540	0.550	0.537	0.535	0.538	1.17
44)	S	2-Fluorobiphenyl	1.848	1.693	1.625	1.550	1.537	1.480	1.422	1.593	8.98
45)		1,1'-Biphenyl	1.855	1.725	1.739	1.691	1.683	1.645	1.617	1.708	4.53
46)		2-Chloronaphth...	1.387	1.333	1.314	1.284	1.295	1.261	1.246	1.303	3.63
47)		2-Nitroaniline		0.176	0.213	0.228	0.239	0.248	0.246	0.225	12.04
48)		Acenaphthylene	2.285	2.169	2.116	2.046	2.042	1.991	1.943	2.084	5.56
49)		Dimethylphthalate	1.950	1.842	1.770	1.730	1.716	1.689	1.638	1.762	5.94
50)		2,6-Dinitrotol...		0.253	0.316	0.330	0.341	0.349	0.356	0.324	11.58
51)	C	Acenaphthene	1.459	1.394	1.380	1.346	1.343	1.321	1.314	1.365	3.69
52)		3-Nitroaniline		0.272	0.314	0.323	0.333	0.327	0.329	0.316	7.21
53)	P	2,4-Dinitrophenol		0.080	0.096	0.112	0.125	0.138	0.140	0.115	20.64
54)		Dibenzofuran	2.359	2.186	2.114	2.049	2.022	1.989	1.930	2.093	6.87
55)	P	4-Nitrophenol		0.218	0.250	0.266	0.271	0.271	0.268	0.257	8.06
56)		2,4-Dinitrotol...		0.317	0.382	0.432	0.448	0.457	0.465	0.417	13.72
57)		Fluorene	2.014	1.794	1.691	1.653	1.619	1.589	1.539	1.700	9.44
58)		2,3,4,6-Tetrac...		0.533	0.527	0.521	0.530	0.522	0.518	0.525	1.10
59)		Diethylphthalate	1.946	1.816	1.725	1.692	1.645	1.622	1.575	1.717	7.41
60)		4-Chlorophenyl...	1.154	1.094	1.044	1.019	1.006	0.994	0.969	1.040	6.16
61)		4-Nitroaniline	0.238	0.294	0.318	0.329	0.328	0.331	0.322	0.309	10.88
62)		Azobenzene	1.206	1.139	1.095	1.087	1.076	1.065	1.041	1.101	5.01
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.094	0.102	0.108	0.086	23.08
65)	c	n-Nitrosodiphe...	0.708	0.682	0.668	0.660	0.649	0.646	0.637	0.664	3.70
66)		4-Bromophenyl-...	0.300	0.291	0.287	0.287	0.284	0.290	0.285	0.289	1.83
67)		Hexachlorobenzene	0.307	0.296	0.295	0.294	0.291	0.297	0.290	0.296	1.93
68)		Atrazine	0.279	0.266	0.262	0.258	0.250	0.251	0.241	0.258	4.81
69)	C	Pentachlorophenol	0.163	0.191	0.207	0.212	0.211	0.219	0.220	0.203	10.00
70)		Phenanthrene	1.272	1.195	1.137	1.119	1.084	1.079	1.038	1.132	7.00
71)		Anthracene	1.290	1.190	1.158	1.126	1.093	1.090	1.044	1.142	7.10
72)		Carbazole	1.121	1.079	1.020	1.004	0.964	0.967	0.918	1.011	6.97
73)		Di-n-butylphth...	1.248	1.200	1.141	1.116	1.072	1.064	1.020	1.123	7.12
74)	C	Fluoranthene	1.648	1.513	1.411	1.358	1.298	1.281	1.211	1.389	10.82
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.706	0.689	0.666	0.633	0.573	0.563	0.491	0.617	12.63
77)		Pyrene	1.416	1.366	1.325	1.263	1.220	1.205	1.147	1.278	7.50
78)	S	Terphenyl-d14	1.029	0.980	0.903	0.859	0.813	0.799	0.744	0.875	11.63
79)		Butylbenzylpht...		0.415	0.428	0.431	0.429	0.436	0.434	0.429	1.80
80)		Benzo(a)anthra...	1.384	1.329	1.284	1.254	1.228	1.235	1.191	1.272	5.19
81)		3,3'-Dichlorob...	0.517	0.516	0.504	0.495	0.484	0.480	0.458	0.493	4.31
82)		Chrysene	1.312	1.246	1.220	1.191	1.167	1.161	1.129	1.204	5.11

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83)		Bis(2-ethylhex...	0.640	0.619	0.620	0.624	0.617	0.620	0.609	0.621	1.53
84)	c	Di-n-octyl pht...	1.027	1.042	1.045	1.061	1.047	1.058	1.046	1.046	1.07
85)		Indeno(1,2,3-c...	1.488	1.521	1.536	1.558	1.546	1.578	1.583	1.544	2.14
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.322	1.275	1.250	1.209	1.225	1.223	1.186	1.241	3.67
88)		Benzo(k)fluora...	1.346	1.279	1.241	1.234	1.221	1.194	1.182	1.242	4.50
89)	C	Benzo(a)pyrene	1.262	1.217	1.184	1.175	1.174	1.167	1.143	1.189	3.29
90)		Dibenzo(a,h)an...	1.254	1.254	1.224	1.214	1.226	1.217	1.207	1.228	1.53
91)		Benzo(g,h,i)pe...	1.448	1.460	1.442	1.440	1.456	1.452	1.450	1.450	0.49

(#) = Out of Range