Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG040615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 07 04:17:17 2015
Response Via : Initial Calibration

Calibration Files
2.5 =BG016224.D 10 =BG016225.D 25 =BG016226.D 40 =BG016227.D 50 =BG016228.D 60 =BG016229.D 80 =BG016230.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.666	0.634	0.594	0.560	0.530	0.529	0.520	0.576	9.90
3)		Pyridine	1.722	1.679	1.784	1.719	1.708	1.711	1.729	1.722	1.85
4)		n-Nitrosodimet...	0.470	0.533	0.540	0.517	0.505	0.503	0.516	0.512	4.49
5)	S	2-Fluorophenol	1.327	1.276	1.319	1.259	1.229	1.228	1.233	1.267	3.31
6)		Aniline	2.802	2.740	2.798	2.730	2.644	2.662	2.644	2.717	2.52
7)	S	Phenol-d6	1.948	1.892	1.963	1.915	1.872	1.877	1.849	1.902	2.19
8)		2-Chlorophenol	1.468	1.534	1.579	1.520	1.507	1.520	1.525	1.522	2.17
9)		Benzaldehyde	1.306	1.241	1.260	1.066	1.036	1.001	0.891	1.114	13.96
10)	C	Phenol	1.997	2.029	2.106	2.061	2.015	2.023	2.017	2.035	1.81
11)		bis(2-Chloroet...	1.770	1.664	1.640	1.600	1.553	1.576	1.559	1.623	4.74
12)		1,3-Dichlorobe...	1.651	1.576	1.556	1.510	1.478	1.488	1.499	1.537	4.02
13)	C	1,4-Dichlorobe...	1.799	1.638	1.600	1.528	1.526	1.536	1.532	1.594	6.27
14)		1,2-Dichlorobe...	1.662	1.552	1.541	1.492	1.461	1.482	1.483	1.525	4.53
15)		Benzyl Alcohol	1.159	1.262	1.377	1.370	1.363	1.374	1.378	1.326	6.39
16)		2,2'-oxybis(1-...	1.939	1.875	1.861	1.822	1.744	1.783	1.771	1.828	3.73
17)		2-Methylphenol	1.326	1.327	1.403	1.389	1.367	1.377	1.365	1.365	2.14
18)		Hexachloroethane	0.702	0.615	0.603	0.592	0.571	0.587	0.599	0.610	7.05
19)	P	n-Nitroso-di-n...	1.201	1.350	1.436	1.413	1.378	1.394	1.369	1.363	5.62
20)		3+4-Methylphenols	1.694	1.885	1.939	1.948	1.908	1.934	1.928	1.891	4.72
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)		Acetophenone	0.471	0.471	0.478	0.453	0.458	0.456	0.460	0.464	2.05
23)	S	Nitrobenzene-d5	0.336	0.348	0.355	0.342	0.347	0.342	0.347	0.345	1.74
24)		Nitrobenzene	0.365	0.375	0.382	0.363	0.364	0.365	0.370	0.369	1.90
25)		Isophorone	0.744	0.768	0.803	0.760	0.770	0.760	0.762	0.767	2.38
26)	C	2-Nitrophenol	0.128	0.153	0.176	0.179	0.185	0.190	0.194	0.172	13.76
27)		2,4-Dimethylph...	0.310	0.314	0.324	0.318	0.325	0.323	0.330	0.321	2.13
28)		bis(2-Chloroet...	0.456	0.448	0.448	0.427	0.427	0.427	0.431	0.438	2.83
29)	C	2,4-Dichloroph...	0.220	0.244	0.263	0.257	0.265	0.261	0.266	0.254	6.61
30)		1,2,4-Trichlor...	0.277	0.267	0.266	0.256	0.263	0.259	0.267	0.265	2.59
31)		Naphthalene	1.140	1.078	1.073	1.003	1.010	0.999	0.991	1.042	5.38
32)		Benzoic acid		0.088	0.159	0.186	0.207	0.219	0.233	0.182	29.10
33)		4-Chloroaniline	0.473	0.490	0.505	0.484	0.493	0.489	0.489	0.489	1.95
34)	C	Hexachlorobuta...	0.120	0.117	0.116	0.112	0.115	0.116	0.118	0.116	2.29
35)		Caprolactam	0.118	0.152	0.171	0.168	0.172	0.167	0.169	0.160	12.24
36)	C	4-Chloro-3-met...	0.312	0.322	0.346	0.338	0.345	0.340	0.343	0.335	3.91
37)		2-Methylnaphth...	0.795	0.769	0.769	0.726	0.742	0.724	0.723	0.750	3.77

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.452	0.448	0.449	0.419	0.430	0.439	0.445	0.440	2.73
40)	P	Hexachlorocycl...		0.164	0.195	0.196	0.206	0.219	0.228	0.202	11.10
41)	S	2,4,6-Tribromo...	0.110	0.139	0.143	0.136	0.139	0.141	0.138	0.135	8.28
42)	C	2,4,6-Trichlor...	0.269	0.316	0.334	0.326	0.339	0.352	0.354	0.327	8.87
43)		2,4,5-Trichlor...	0.287	0.352	0.353	0.344	0.365	0.371	0.376	0.350	8.49
44)	S	2-Fluorobiphenyl	1.293	1.273	1.229	1.116	1.114	1.118	1.080	1.175	7.46
45)		1,1'-Biphenyl	1.646	1.631	1.585	1.449	1.474	1.491	1.464	1.534	5.47
46)		2-Chloronaphth...	1.263	1.218	1.194	1.100	1.117	1.153	1.135	1.169	5.04
47)		2-Nitroaniline	0.290	0.369	0.397	0.382	0.393	0.400	0.406	0.377	10.62
48)		Acenaphthylene	2.163	2.241	2.171	1.994	1.998	2.014	1.966	2.078	5.29
49)		Dimethylphthalate	1.513	1.539	1.546	1.418	1.433	1.427	1.385	1.466	4.43
50)		2,6-Dinitrotol...	0.312	0.354	0.376	0.350	0.361	0.365	0.363	0.355	5.72
51)	C	Acenaphthene	1.349	1.314	1.276	1.170	1.192	1.207	1.185	1.242	5.70
52)		3-Nitroaniline	0.390	0.469	0.479	0.452	0.457	0.459	0.462	0.453	6.36
53)	P	2,4-Dinitrophenol		0.095	0.151	0.167	0.184	0.196	0.212	0.167	24.78
54)		Dibenzofuran	1.900	1.864	1.789	1.630	1.644	1.641	1.596	1.723	7.24
55)	P	4-Nitrophenol		0.331	0.387	0.370	0.380	0.387	0.390	0.374	5.94
56)		2,4-Dinitrotol...	0.380	0.491	0.514	0.483	0.505	0.507	0.501	0.483	9.66
57)		Fluorene	1.640	1.624	1.581	1.451	1.457	1.464	1.425	1.520	5.98
58)		2,3,4,6-Tetrac...	0.217	0.274	0.286	0.264	0.280	0.283	0.284	0.270	9.03
59)		Diethylphthalate	1.589	1.649	1.638	1.510	1.536	1.511	1.489	1.560	4.17
60)		4-Chlorophenyl...	0.662	0.668	0.646	0.591	0.595	0.598	0.593	0.622	5.64
61)		4-Nitroaniline	0.453	0.535	0.544	0.513	0.518	0.518	0.517	0.514	5.62
62)		Azobenzene	1.794	1.804	1.732	1.582	1.594	1.581	1.537	1.661	6.76
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...	0.053	0.093	0.124	0.128	0.139	0.144	0.149	0.119	28.88
65)	c	n-Nitrosodiphe...	0.682	0.694	0.696	0.654	0.673	0.669	0.665	0.676	2.29
66)		4-Bromophenyl-...	0.157	0.162	0.163	0.155	0.160	0.160	0.162	0.160	1.81
67)		Hexachlorobenzene	0.169	0.171	0.166	0.160	0.166	0.164	0.166	0.166	2.07
68)		Atrazine	0.176	0.194	0.199	0.184	0.190	0.186	0.189	0.188	4.01
69)	C	Pentachlorophenol		0.079	0.098	0.101	0.107	0.111	0.112	0.101	12.27
70)		Phenanthrene	1.284	1.221	1.149	1.064	1.072	1.060	1.025	1.125	8.56
71)		Anthracene	1.188	1.197	1.155	1.068	1.090	1.064	1.043	1.115	5.70
72)		Carbazole	1.189	1.212	1.177	1.073	1.083	1.062	1.037	1.119	6.35
73)		Di-n-butylphth...	1.393	1.497	1.477	1.346	1.337	1.299	1.236	1.369	6.86
74)	C	Fluoranthene	1.263	1.283	1.233	1.107	1.110	1.082	1.038	1.159	8.42
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.740	0.879	0.961	0.853	0.885	0.837	0.782	0.848	8.51
77)		Pyrene	1.486	1.466	1.468	1.356	1.366	1.323	1.283	1.393	5.78
78)	S	Terphenyl-d14	0.985	0.934	0.913	0.827	0.817	0.778	0.727	0.855	10.80
79)		Butylbenzylpht...	0.547	0.641	0.730	0.702	0.726	0.721	0.722	0.684	9.92
80)		Benzo(a)anthra...	1.279	1.257	1.238	1.132	1.146	1.128	1.095	1.182	6.21
81)		3,3'-Dichlorob...	0.355	0.399	0.418	0.388	0.398	0.386	0.377	0.389	5.10
82)		Chrysene	1.294	1.217	1.177	1.089	1.087	1.067	1.057	1.141	7.89

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83)		Bis(2-ethylhex...	0.797	0.902	0.987	0.941	0.967	0.949	0.942	0.926	6.78
84)	c	Di-n-octyl pht...	1.160	1.465	1.642	1.577	1.609	1.576	1.535	1.509	10.87
85)		Indeno(1,2,3-c...	1.108	1.169	1.227	1.161	1.207	1.206	1.219	1.186	3.55
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.240	1.231	1.189	1.130	1.159	1.110	1.140	1.171	4.31
88)		Benzo(k)fluora...	1.195	1.211	1.217	1.073	1.099	1.146	1.083	1.146	5.41
89)	C	Benzo(a)pyrene	1.099	1.143	1.127	1.055	1.080	1.089	1.091	1.098	2.66
90)		Dibenzo(a,h)an...	1.076	1.110	1.099	1.019	1.058	1.067	1.049	1.068	2.88
91)		Benzo(g,h,i)pe...	1.054	1.092	1.094	1.017	1.066	1.070	1.076	1.067	2.48

(#) = Out of Range