Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : 8270-BM072617.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jul 26 17:29:06 2017
Response Via : Initial Calibration

Calibration Files
2.5 =BM010964.D 10 =BM010965.D 25 =BM010966.D
40 =BM010967.D 50 =BM010968.D 60 =BM010969.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.604	0.505	0.507	0.511	0.534	0.511	0.531	6.74
3)		Pyridine	1.347	1.455	1.442	1.453	1.523	1.430	1.451	3.94
4)		n-Nitrosodimethyl	0.678	0.731	0.742	0.739	0.759	0.737	0.739	4.51
5)	S	2-Fluorophenol	1.146	1.120	1.134	1.155	1.240	1.209	1.183	5.04
6)		Aniline	2.018	2.074	2.114	2.093	2.203	2.128	2.119	3.14
7)	S	Phenol-d6	1.545	1.623	1.650	1.688	1.754	1.707	1.681	5.05
8)		2-Chlorophenol	1.079	1.213	1.196	1.181	1.255	1.200	1.201	5.42
9)		Benzaldehyde		1.294	1.192	1.041	1.014	0.897	1.088	14.33
10)	C	Phenol	1.767	1.829	1.798	1.819	1.860	1.826	1.826	2.07
11)		bis(2-Chloroethyl	1.361	1.453	1.418	1.401	1.465	1.394	1.423	2.85
12)		1,3-Dichlorobenze	1.492	1.421	1.429	1.416	1.486	1.460	1.464	3.19
13)	C	1,4-Dichlorobenze	1.528	1.413	1.431	1.490	1.563	1.500	1.501	4.14
14)		1,2-Dichlorobenze	1.462	1.437	1.394	1.400	1.461	1.404	1.435	2.53
15)		Benzyl Alcohol	1.557	1.618	1.630	1.591	1.646	1.591	1.613	2.14
16)		2,2'-oxybis(1-Chl	1.297	1.289	1.275	1.253	1.321	1.237	1.280	2.18
17)		2-Methylphenol	1.113	1.155	1.146	1.160	1.216	1.168	1.167	3.06
18)		Hexachloroethane	0.670	0.618	0.631	0.642	0.676	0.645	0.654	4.36
19)	P	n-Nitroso-di-n-pr	1.412	1.428	1.442	1.418	1.463	1.387	1.428	1.79
20)		3+4-Methylphenols	1.549	1.586	1.655	1.608	1.669	1.613	1.622	2.86
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.608	0.587	0.586	0.578	0.609	0.607	0.600	2.66
23)	S	Nitrobenzene-d5	0.494	0.506	0.526	0.525	0.560	0.550	0.533	5.18
24)		Nitrobenzene	0.536	0.539	0.547	0.538	0.570	0.563	0.552	2.87
25)		Isophorone	0.869	0.852	0.905	0.858	0.915	0.902	0.888	3.16
26)	C	2-Nitrophenol	0.156	0.155	0.171	0.176	0.188	0.188	0.176	9.21
27)		2,4-Dimethylpheno	0.290	0.309	0.302	0.301	0.321	0.318	0.309	3.96
28)		bis(2-Chloroethox	0.515	0.475	0.496	0.483	0.503	0.495	0.496	2.65
29)	C	2,4-Dichloropheno	0.318	0.335	0.355	0.341	0.361	0.356	0.348	4.86
30)		1,2,4-Trichlorobe	0.434	0.406	0.427	0.413	0.446	0.434	0.430	3.72
31)		Naphthalene	1.003	0.941	0.991	0.969	1.040	1.035	1.006	4.27
32)		Benzoic acid		0.221	0.247	0.242	0.260	0.258	0.249	6.39
33)		4-Chloroaniline	0.371	0.394	0.409	0.390	0.419	0.408	0.401	4.28
34)	C	Hexachlorobutadie	0.332	0.325	0.327	0.332	0.352	0.348	0.338	3.56
35)		Caprolactam	0.099	0.097	0.106	0.091	0.101	0.095	0.099	4.98
36)	C	4-Chloro-3-methyl	0.413	0.439	0.467	0.435	0.463	0.457	0.449	4.61
37)		2-Methylnaphthale	0.709	0.716	0.744	0.722	0.756	0.753	0.739	3.25
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.836	0.834	0.818	0.842	0.909	0.884	0.859	4.10
40)	P	Hexachlorocyclope	0.419	0.458	0.464	0.506	0.563	0.538	0.501	11.00
41)	S	2,4,6-Tribromophe	0.297	0.308	0.324	0.310	0.343	0.327	0.321	5.08
42)	C	2,4,6-Trichloroph	0.456	0.485	0.517	0.528	0.567	0.538	0.520	7.38
43)		2,4,5-Trichloroph	0.482	0.531	0.522	0.536	0.576	0.548	0.536	5.58
44)	S	2-Fluorobiphenyl	1.562	1.521	1.518	1.577	1.693	1.625	1.595	4.32
45)		1,1'-Biphenyl	1.650	1.671	1.687	1.691	1.841	1.767	1.729	4.19
46)		2-Chloronaphthale	1.230	1.257	1.222	1.250	1.356	1.286	1.274	3.84
47)		2-Nitroaniline	0.376	0.418	0.447	0.454	0.500	0.473	0.451	9.49
48)		Acenaphthylene	1.690	1.883	1.876	1.867	2.038	1.953	1.902	6.03
49)		Dimethylphthalate	1.751	1.676	1.700	1.637	1.779	1.693	1.711	2.84
50)		2,6-Dinitrotoluen	0.299	0.337	0.349	0.345	0.370	0.353	0.346	6.84
51)	C	Acenaphthene	1.142	1.142	1.144	1.146	1.242	1.202	1.177	3.71

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.272	0.268	0.309	0.294	0.328	0.304	0.300	8.03
53)	P	2,4-Dinitrophenol		0.214	0.238	0.237	0.264	0.258	0.246	8.08
54)		Dibenzofuran	1.883	1.868	1.859	1.861	2.018	1.907	1.908	3.13
55)	P	4-Nitrophenol	0.227	0.233	0.274	0.259	0.293	0.273	0.264	9.69
56)		2,4-Dinitrotoluen	0.387	0.473	0.492	0.482	0.535	0.503	0.486	10.09
57)		Fluorene	1.579	1.615	1.660	1.592	1.752	1.670	1.661	4.37
58)		2,3,4,6-Tetrachlo	0.452	0.510	0.515	0.485	0.526	0.504	0.502	5.16
59)		Diethylphthalate	1.736	1.690	1.744	1.686	1.826	1.749	1.747	2.96
60)		4-Chlorophenyl-ph	0.997	0.997	0.989	0.954	1.045	1.001	1.003	2.99
61)		4-Nitroaniline	0.301	0.298	0.333	0.305	0.350	0.332	0.319	6.21
62)		Azobenzene	1.744	1.876	1.882	1.814	1.985	1.869	1.870	4.07
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-met	0.114	0.119	0.133	0.137	0.147	0.146	0.135	10.57
65)	c	n-Nitrosodiphenyl	0.550	0.543	0.557	0.559	0.600	0.593	0.572	4.49
66)		4-Bromophenyl-phe	0.251	0.245	0.250	0.252	0.265	0.266	0.257	3.84
67)		Hexachlorobenzene	0.285	0.273	0.283	0.289	0.302	0.295	0.291	4.00
68)		Atrazine	0.207	0.221	0.232	0.233	0.244	0.235	0.229	5.17
69)	C	Pentachlorophenol	0.153	0.167	0.188	0.189	0.200	0.194	0.184	9.60
70)		Phenanthrene	1.012	0.989	1.034	1.038	1.090	1.071	1.047	3.85
71)		Anthracene	0.980	0.997	1.033	1.038	1.089	1.074	1.044	4.38
72)		Carbazole	0.855	0.869	0.911	0.893	0.964	0.937	0.913	4.81
73)		Di-n-butylphthala	0.971	1.023	1.102	1.118	1.195	1.178	1.112	7.95
74)	C	Fluoranthene	1.290	1.226	1.258	1.275	1.341	1.327	1.298	3.82
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine		0.433	0.498	0.490	0.497	0.475	0.478	5.09
77)		Pyrene	1.036	1.133	1.244	1.173	1.254	1.212	1.188	6.93
78)	S	Terphenyl-d14	0.946	0.992	1.082	1.019	1.076	1.027	1.010	5.97
79)		Butylbenzylphthal	0.314	0.363	0.424	0.436	0.472	0.463	0.423	14.79
80)		Benzo(a)anthracen	1.105	1.092	1.123	1.125	1.197	1.152	1.142	3.72
81)		3,3'-Dichlorobenz	0.387	0.410	0.445	0.456	0.487	0.468	0.448	8.35
82)		Chrysene	1.109	1.042	1.049	1.069	1.150	1.109	1.096	4.04
83)		Bis(2-ethylhexyl)	0.500	0.532	0.610	0.629	0.689	0.680	0.622	12.96
84)	c	Di-n-octyl phthal	0.879	0.859	0.961	1.029	1.110	1.081	1.009	11.14
85)		Indeno(1,2,3-cd)p	1.245	1.036	1.013	1.093	1.193	1.143	1.135	8.04
86)	I	Perylene-d12	----------ISTD----------							
87)		Benzo(b)fluoranth	1.161	1.192	1.310	1.280	1.341	1.304	1.284	6.42
88)		Benzo(k)fluoranth	1.149	1.175	1.218	1.198	1.310	1.276	1.230	4.94
89)	C	Benzo(a)pyrene	1.089	1.095	1.154	1.146	1.223	1.185	1.162	5.01
90)		Dibenzo(a,h)anthr	1.130	0.993	1.013	1.035	1.125	1.090	1.077	5.86
91)		Benzo(g,h,i)peryl	1.118	0.976	0.989	1.026	1.102	1.069	1.057	5.76

(#) = Out of Range ### Number of calibration levels exceeded format ###