

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG061417.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 14 19:09:08 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BG027416.D 10 =BG027417.D 25 =BG027418.D 40 =BG027419.D 50 =BG027420.D 60 =BG027421.D 80 =BG027422.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.559	0.594	0.609	0.585	0.575	0.598	0.585	0.586	2.76
3)	Pyridine	1.477	1.673	1.785	1.862	1.879	1.912	1.953	1.792	9.28
4)	n-Nitrosodimet...	0.806	0.759	0.762	0.775	0.759	0.771	0.778	0.773	2.13
5) S	2-Fluorophenol	1.246	1.376	1.451	1.477	1.429	1.470	1.457	1.415	5.80
6)	Aniline	2.083	2.433	2.613	2.729	2.664	2.807	2.793	2.589	9.92
7) S	Phenol-d6	1.890	2.070	2.212	2.279	2.211	2.306	2.256	2.175	6.75
8)	2-Chlorophenol	1.292	1.449	1.491	1.526	1.488	1.545	1.547	1.477	6.00
9)	Benzaldehyde	1.554	1.590	1.569	1.528	1.403	1.388	1.226	1.465	9.05
10) C	Phenol	1.980	2.193	2.284	2.326	2.274	2.334	2.304	2.242	5.56
11)	bis(2-Chloroet...	1.683	1.774	1.808	1.802	1.762	1.812	1.804	1.778	2.57
12)	1,3-Dichlorobe...	1.423	1.513	1.566	1.597	1.559	1.602	1.618	1.554	4.33
13) C	1,4-Dichlorobe...	1.474	1.618	1.624	1.655	1.602	1.675	1.658	1.615	4.18
14)	1,2-Dichlorobe...	1.526	1.569	1.578	1.612	1.565	1.626	1.625	1.586	2.33
15)	Benzyl Alcohol	1.334	1.481	1.581	1.652	1.617	1.678	1.681	1.575	8.05
16)	2,2'-oxybis(1-...	3.025	3.111	3.075	3.158	3.005	3.088	3.014	3.068	1.84
17)	2-Methylphenol	1.262	1.448	1.543	1.587	1.570	1.600	1.594	1.515	8.14
18)	Hexachloroethane	0.542	0.583	0.591	0.590	0.605	0.625	0.621	0.594	4.68
19) P	n-Nitroso-di-n...	1.368	1.572	1.656	1.755	1.692	1.743	1.728	1.645	8.35
20)	3+4-Methylphenols	1.802	2.056	2.189	2.304	2.271	2.325	2.309	2.180	8.78
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.500	0.538	0.537	0.546	0.542	0.546	0.549	0.537	3.15
23) S	Nitrobenzene-d5	0.355	0.381	0.388	0.403	0.401	0.408	0.411	0.392	5.03
24)	Nitrobenzene	0.387	0.425	0.436	0.446	0.439	0.449	0.455	0.434	5.29
25)	Isophorone	0.749	0.840	0.857	0.898	0.881	0.891	0.893	0.858	6.14
26) C	2-Nitrophenol	0.143	0.162	0.171	0.174	0.179	0.187	0.187	0.169	9.08
27)	2,4-Dimethylph...	0.348	0.343	0.342	0.347	0.347	0.350	0.353	0.347	1.07
28)	bis(2-Chloroet...	0.499	0.517	0.532	0.539	0.526	0.526	0.524	0.523	2.44
29) C	2,4-Dichloroph...	0.262	0.285	0.303	0.313	0.307	0.313	0.317	0.300	6.64
30)	1,2,4-Trichlor...	0.290	0.309	0.308	0.311	0.314	0.319	0.327	0.311	3.70
31)	Naphthalene	1.083	1.098	1.081	1.103	1.080	1.098	1.102	1.092	0.95
32)	Benzoic acid	0.112	0.165	0.209	0.214	0.241	0.253	0.253	0.199	26.40
33)	4-Chloroaniline	0.384	0.439	0.461	0.487	0.483	0.480	0.489	0.460	8.22
34) C	Hexachlorobuta...	0.178	0.182	0.190	0.193	0.193	0.199	0.203	0.191	4.60
35)	Caprolactam	0.099	0.131	0.140	0.141	0.137	0.141	0.140	0.133	11.61
36) C	4-Chloro-3-met...	0.389	0.420	0.438	0.449	0.434	0.438	0.433	0.429	4.51
37)	2-Methylnaphth...	0.752	0.790	0.799	0.816	0.804	0.805	0.803	0.795	2.62

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.559	0.558	0.575	0.588	0.604	0.606	0.631	0.589	4.58
40)	P	Hexachlorocycl...		0.279	0.312	0.323	0.338	0.348	0.367	0.328	9.39
41)	S	2,4,6-Tribromo...	0.242	0.281	0.295	0.316	0.314	0.321	0.333	0.300	10.27
42)	C	2,4,6-Trichlor...	0.338	0.379	0.402	0.419	0.417	0.419	0.432	0.401	8.06
43)		2,4,5-Trichlor...	0.399	0.435	0.455	0.471	0.472	0.473	0.485	0.456	6.52
44)	S	2-Fluorobiphenyl	1.354	1.399	1.395	1.409	1.387	1.377	1.369	1.384	1.37
45)		1,1'-Biphenyl	1.527	1.591	1.580	1.617	1.606	1.604	1.615	1.591	1.96
46)		2-Chloronaphth...	1.125	1.197	1.201	1.220	1.220	1.213	1.250	1.204	3.22
47)		2-Nitroaniline	0.388	0.448	0.470	0.505	0.501	0.507	0.512	0.476	9.54
48)		Acenaphthylene	1.919	2.122	2.117	2.161	2.146	2.131	2.126	2.103	3.92
49)		Dimethylphthalate	1.649	1.684	1.671	1.691	1.644	1.655	1.632	1.661	1.31
50)		2,6-Dinitrotol...	0.260	0.319	0.344	0.364	0.364	0.370	0.375	0.342	11.97
51)	C	Acenaphthene	1.344	1.362	1.399	1.424	1.423	1.428	1.436	1.402	2.56
52)		3-Nitroaniline		0.347	0.373	0.386	0.385	0.387	0.391	0.378	4.30
53)	P	2,4-Dinitrophenol		0.136	0.172	0.191	0.195	0.204	0.215	0.186	15.24
54)		Dibenzofuran	1.911	1.941	1.922	1.928	1.896	1.893	1.882	1.911	1.11
55)	P	4-Nitrophenol	0.237	0.274	0.308	0.315	0.314	0.323	0.324	0.299	10.81
56)		2,4-Dinitrotol...		0.433	0.474	0.497	0.503	0.504	0.515	0.488	6.13
57)		Fluorene	1.662	1.743	1.736	1.753	1.732	1.706	1.695	1.718	1.87
58)		2,3,4,6-Tetrac...	0.341	0.391	0.400	0.412	0.407	0.418	0.419	0.398	6.84
59)		Diethylphthalate	1.637	1.766	1.737	1.734	1.709	1.691	1.673	1.707	2.56
60)		4-Chlorophenyl...	0.822	0.882	0.860	0.883	0.873	0.871	0.873	0.866	2.43
61)		4-Nitroaniline	0.308	0.366	0.401	0.408	0.399	0.410	0.416	0.387	9.90
62)		Azobenzene	1.650	1.827	1.804	1.803	1.764	1.738	1.714	1.757	3.53
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.088	0.105	0.116	0.121	0.129	0.135	0.116	14.66
65)	c	n-Nitrosodiphe...	0.552	0.612	0.629	0.637	0.634	0.651	0.656	0.624	5.62
66)		4-Bromophenyl-...	0.213	0.225	0.233	0.243	0.241	0.251	0.258	0.238	6.41
67)		Hexachlorobenzene	0.247	0.247	0.254	0.267	0.267	0.277	0.284	0.263	5.54
68)		Atrazine	0.195	0.207	0.216	0.221	0.219	0.228	0.229	0.217	5.67
69)	C	Pentachlorophenol		0.122	0.140	0.154	0.154	0.165	0.172	0.151	11.70
70)		Phenanthrene	1.089	1.126	1.123	1.128	1.103	1.127	1.119	1.116	1.33
71)		Anthracene	1.074	1.129	1.145	1.146	1.118	1.151	1.139	1.129	2.38
72)		Carbazole	0.992	1.074	1.114	1.099	1.068	1.113	1.107	1.081	4.00
73)		Di-n-butylphth...	1.073	1.161	1.207	1.196	1.177	1.225	1.211	1.179	4.36
74)	C	Fluoranthene	1.214	1.283	1.307	1.297	1.266	1.325	1.304	1.285	2.82
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine		0.327	0.436	0.452	0.465	0.480	0.471	0.439	12.95
77)		Pyrene	1.056	1.125	1.132	1.128	1.106	1.105	1.068	1.103	2.72
78)	S	Terphenyl-d14	0.764	0.805	0.819	0.809	0.778	0.768	0.720	0.780	4.39
79)		Butylbenzylphth...	0.397	0.441	0.463	0.475	0.474	0.484	0.480	0.459	6.76
80)		Benzo(a)anthra...	1.082	1.158	1.168	1.168	1.160	1.166	1.143	1.150	2.68
81)		3,3'-Dichlorob...	0.359	0.409	0.446	0.457	0.458	0.462	0.464	0.436	8.93
82)		Chrysene	1.077	1.110	1.110	1.114	1.096	1.103	1.082	1.099	1.32

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83)	Bis(2-ethylhex...	0.567	0.640	0.672	0.692	0.689	0.699	0.695	0.665	7.17
84) c	Di-n-octyl pht...	0.965	1.049	1.136	1.160	1.164	1.169	1.157	1.114	6.99
85)	Indeno(1,2,3-c...	1.220	1.311	1.358	1.388	1.389	1.414	1.437	1.360	5.40
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.113	1.209	1.268	1.311	1.288	1.342	1.342	1.267	6.49
88)	Benzo(k)fluora...	1.164	1.178	1.242	1.286	1.275	1.268	1.315	1.247	4.51
89) C	Benzo(a)pyrene	1.055	1.104	1.181	1.226	1.232	1.245	1.273	1.188	6.76
90)	Dibenzo(a,h)an...	1.111	1.193	1.264	1.323	1.317	1.343	1.392	1.278	7.56
91)	Benzo(g,h,i)pe...	1.074	1.158	1.209	1.255	1.253	1.271	1.311	1.219	6.58

(#) = Out of Range