

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF111324.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 13 14:40:06 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF140339.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	0.522	6.53
3) Pyridine	1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	1.283	7.61
4) n-Nitrosodimet...	0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	0.649	2.39
5) S 2-Fluorophenol	1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	1.171	8.84
6) Aniline	1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	1.381	13.42
7) S Phenol-d6	1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	1.587	8.09
8) 2-Chlorophenol	1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	1.258	8.49
9) Benzaldehyde	1.101	1.087	1.017	0.891	0.828	0.783		0.951	0.951	14.32
10) C Phenol	1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	1.674	7.31
11) bis(2-Chloroet...	1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	1.268	4.60
12) 1,3-Dichlorobe...	1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	1.388	8.98
13) C 1,4-Dichlorobe...	1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	1.408	9.49
14) 1,2-Dichlorobe...	1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	1.307	10.63
15) Benzyl Alcohol	1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	1.143	6.10
16) 2,2'-oxybis(1-...	1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	1.752	7.01
17) 2-Methylphenol	1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	1.035	5.07
18) Hexachloroethane	0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	0.520	6.30
19) P n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20) 3+4-Methylphenols	1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	1.294	10.21
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	0.465	9.35
23) S Nitrobenzene-d5	0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	0.384	5.28
24) Nitrobenzene	0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	0.400	4.61
25) Isophorone	0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	0.680	4.87
26) C 2-Nitrophenol	0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	0.177	1.99
27) 2,4-Dimethylph...	0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	0.227	3.86
28) bis(2-Chloroet...	0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	0.417	6.80
29) C 2,4-Dichloroph...	0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	0.281	6.20
30) 1,2,4-Trichlor...	0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	0.312	7.15
31) Naphthalene	1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	1.015	9.60
32) Benzoic acid	0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	0.200	13.01
33) 4-Chloroaniline	0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	0.353	8.36
34) C Hexachlorobuta...	0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	0.199	7.73
35) Caprolactam	0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	0.093	3.27
36) C 4-Chloro-3-met...	0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	0.311	5.14
37) 2-Methylnaphth...	0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	0.651	10.01
38) 1-Methylnaphth...	0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	0.637	10.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85
41) P	Hexachlorocycl...		0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04
42) S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88
43) C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87
44)	2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41
45) S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50
46)	1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80
47)	2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20
48)	2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91
49)	Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29
50)	Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47
51)	2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57
52) C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78
53)	3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92
54) P	2,4-Dinitrophenol		0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27
55)	Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92
56) P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67
57)	2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77
58)	Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14
59)	2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61
60)	Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85
61)	4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01
62)	4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86
63)	Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00
66) c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57
67)	4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14
68)	Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54
69)	Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03
70) C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87
71)	Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33
72)	Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81
73)	Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02
74)	Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37
75) C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64
78)	Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08
79) S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26
80)	Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56
81)	Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31
82)	3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79
83)	Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44
84)	Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07
85) c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86

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		-----ISTD-----								
86) I	Perylene-d12									
87)	Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)	Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)	Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90) C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)	Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)	Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range