

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM061022.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 10 16:05:33 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM035443.D 10 =BM035444.D 20 =BM035445.D 40 =BM035446.D 50 =BM035447.D 60 =BM035448.D 80 =BM035449.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.499	0.444	0.480	0.447	0.413	0.437	0.427	0.450	6.65
3) Pyridine	1.237	1.209	1.342	1.296	1.236	1.248	1.240	1.258	3.60
4) n-Nitrosodimet...	0.554	0.539	0.624	0.596	0.565	0.585	0.602	0.581	5.10
5) S 2-Fluorophenol	1.150	1.163	1.293	1.201	1.155	1.167	1.127	1.179	4.65
6) Aniline	1.706	1.706	1.874	1.800	1.792	1.779	1.709	1.767	3.59
7) S Phenol-d6	1.606	1.611	1.753	1.655	1.630	1.632	1.554	1.634	3.75
8) 2-Chlorophenol	1.314	1.354	1.459	1.365	1.344	1.357	1.284	1.354	4.02
9) Benzaldehyde	0.967	0.892	0.893	0.761	0.736	0.675		0.820	13.74
10) C Phenol	1.535	1.537	1.710	1.615	1.600	1.596	1.521	1.588	4.12
11) bis(2-Chloroet...	1.307	1.228	1.374	1.286	1.261	1.247	1.204	1.273	4.45
12) 1,3-Dichlorobe...	1.492	1.459	1.558	1.451	1.386	1.420	1.344	1.444	4.84
13) C 1,4-Dichlorobe...	1.554	1.492	1.603	1.473	1.422	1.439	1.368	1.479	5.40
14) 1,2-Dichlorobe...	1.478	1.450	1.567	1.450	1.401	1.421	1.335	1.443	4.96
15) Benzyl Alcohol	0.991	1.004	1.121	1.128	1.159	1.134	1.127	1.095	6.19
16) 2,2'-oxybis(1-...	2.445	2.208	2.379	2.163	2.109	2.106	2.062	2.210	6.63
17) 2-Methylphenol	1.031	1.059	1.163	1.115	1.102	1.098	1.059	1.090	4.05
18) Hexachloroethane	0.539	0.527	0.574	0.524	0.518	0.527	0.503	0.530	4.20
19) P n-Nitroso-di-n...	1.003	1.032	1.085	1.042	1.023	1.013	0.993	1.027	2.96
20) 3+4-Methylphenols	1.468	1.481	1.625	1.550	1.556	1.526	1.484	1.527	3.63
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.459	0.470	0.521	0.495	0.477	0.490	0.478	0.484	4.14
23) S Nitrobenzene-d5	0.345	0.351	0.397	0.374	0.364	0.376	0.370	0.368	4.71
24) Nitrobenzene	0.321	0.317	0.362	0.340	0.333	0.345	0.341	0.337	4.50
25) Isophorone	0.547	0.564	0.626	0.612	0.606	0.616	0.618	0.599	5.05
26) C 2-Nitrophenol	0.140	0.151	0.181	0.182	0.182	0.188	0.184	0.172	10.88
27) 2,4-Dimethylph...	0.230	0.237	0.269	0.260	0.258	0.261	0.255	0.253	5.48
28) bis(2-Chloroet...	0.394	0.407	0.441	0.424	0.412	0.424	0.413	0.416	3.58
29) C 2,4-Dichloroph...	0.246	0.260	0.300	0.291	0.289	0.296	0.290	0.282	7.16
30) 1,2,4-Trichlor...	0.303	0.306	0.335	0.319	0.308	0.317	0.305	0.313	3.62
31) Naphthalene	0.984	0.979	1.072	1.013	0.984	1.004	0.977	1.002	3.37
32) Benzoic acid		0.152	0.200	0.226	0.239	0.238	0.248	0.217	16.50
33) 4-Chloroaniline	0.377	0.382	0.427	0.418	0.415	0.417	0.418	0.408	4.84
34) C Hexachlorobuta...	0.171	0.172	0.188	0.178	0.172	0.179	0.173	0.176	3.42
35) Caprolactam	0.082	0.087	0.094	0.096	0.106	0.097	0.106	0.095	9.58
36) C 4-Chloro-3-met...	0.292	0.301	0.333	0.323	0.331	0.323	0.333	0.319	5.13
37) 2-Methylnaphth...	0.667	0.679	0.730	0.691	0.694	0.690	0.679	0.690	2.90
38) 1-Methylnaphth...	0.655	0.661	0.714	0.673	0.680	0.672	0.664	0.674	2.87

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.604	0.521	0.606	0.567	0.538	0.577	0.532	0.564	6.05
41) P	Hexachlorocycl...	0.092	0.163	0.196	0.209	0.228	0.219	0.184		27.45
42) S	2,4,6-Tribromo...	0.180	0.207	0.224	0.219	0.222	0.218	0.219	0.213	7.33
43) C	2,4,6-Trichlor...	0.382	0.347	0.404	0.399	0.385	0.403	0.387	0.387	5.06
44)	2,4,5-Trichlor...	0.423	0.374	0.439	0.427	0.416	0.428	0.412	0.417	5.00
45) S	2-Fluorobiphenyl	1.593	1.359	1.509	1.400	1.300	1.377	1.261	1.400	8.29
46)	1,1'-Biphenyl	1.753	1.476	1.662	1.546	1.473	1.548	1.445	1.558	7.21
47)	2-Chloronaphth...	1.298	1.099	1.243	1.171	1.114	1.176	1.100	1.171	6.50
48)	2-Nitroaniline	0.347	0.302	0.363	0.355	0.371	0.369	0.374	0.355	7.09
49)	Acenaphthylene	2.043	1.716	1.919	1.835	1.764	1.829	1.739	1.835	6.24
50)	Dimethylphthalate	1.706	1.409	1.516	1.431	1.417	1.416	1.407	1.472	7.48
51)	2,6-Dinitrotol...	0.321	0.284	0.317	0.308	0.310	0.309	0.308	0.308	3.88
52) C	Acenaphthene	1.003	1.053	1.150	1.093	1.056	1.088	1.039	1.069	4.38
53)	3-Nitroaniline	0.317	0.290	0.336	0.336	0.349	0.337	0.349	0.331	6.25
54) P	2,4-Dinitrophenol	0.096	0.138	0.165	0.189	0.181	0.198	0.161		23.62
55)	Dibenzofuran	1.650	1.712	1.846	1.747	1.665	1.715	1.653	1.712	4.04
56) P	4-Nitrophenol	0.147	0.205	0.230	0.259	0.240	0.268	0.225		19.61
57)	2,4-Dinitrotol...	0.319	0.358	0.407	0.409	0.421	0.403	0.422	0.391	9.78
58)	Fluorene	1.296	1.343	1.449	1.330	1.325	1.326	1.294	1.338	3.91
59)	2,3,4,6-Tetrac...	0.282	0.316	0.354	0.346	0.340	0.343	0.340	0.332	7.42
60)	Diethylphthalate	1.392	1.417	1.510	1.436	1.463	1.420	1.445	1.440	2.64
61)	4-Chlorophenyl...	0.634	0.666	0.696	0.644	0.633	0.643	0.615	0.647	4.09
62)	4-Nitroaniline	0.259	0.275	0.324	0.327	0.360	0.334	0.361	0.320	12.26
63)	Azobenzene	1.332	1.318	1.448	1.316	1.389	1.372	1.375	1.364	3.46
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.093	0.122	0.131	0.135	0.137	0.138	0.126		13.55
66) c	n-Nitrosodiphe...	0.437	0.593	0.670	0.639	0.597	0.637	0.595	0.596	12.68
67)	4-Bromophenyl-...	0.191	0.195	0.225	0.215	0.202	0.216	0.201	0.206	5.99
68)	Hexachlorobenzene	0.216	0.219	0.245	0.232	0.218	0.232	0.217	0.226	4.95
69)	Atrazine	0.178	0.177	0.196	0.188	0.181	0.179	0.167	0.181	4.99
70) C	Pentachlorophenol	0.094	0.113	0.122	0.126	0.129	0.128	0.119		11.32
71)	Phenanthrene	1.052	1.049	1.141	1.089	1.025	1.067	1.006	1.061	4.17
72)	Anthracene	0.990	0.998	1.116	1.062	1.020	1.058	1.005	1.036	4.37
73)	Carbazole	0.956	0.953	1.067	1.032	1.010	1.014	0.997	1.004	4.04
74)	Di-n-butylphth...	1.121	1.115	1.255	1.236	1.240	1.224	1.216	1.201	4.83
75) C	Fluoranthene	1.143	1.075	1.155	1.117	1.084	1.077	1.065	1.102	3.26
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.421	0.374	0.343	0.419	0.371	0.278	0.368		14.48
78)	Pyrene	1.286	1.391	1.497	1.403	1.428	1.408	1.413	1.404	4.46
79) S	Terphenyl-d14	1.048	1.092	1.150	1.048	1.019	1.010	0.966	1.047	5.71
80)	Butylbenzylpht...	0.555	0.559	0.628	0.619	0.672	0.645	0.675	0.622	7.85
81)	Benzo(a)anthra...	1.243	1.212	1.340	1.265	1.213	1.256	1.192	1.246	3.95
82)	3,3'-Dichlorob...	0.271	0.280	0.320	0.307	0.282	0.290	0.258	0.287	7.35
83)	Chrysene	1.212	1.185	1.303	1.215	1.158	1.214	1.138	1.203	4.42
84)	Bis(2-ethylhex...	0.833	0.805	0.912	0.904	0.936	0.918	0.934	0.892	5.78
85) c	Di-n-octyl pht...	1.387	1.269	1.504	1.497	1.481	1.524	1.481	1.449	6.26

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.233	1.342	1.534	1.435	1.336	1.451	1.339	1.382		7.14
88)	Benzo(b)fluora...	1.152	1.134	1.270	1.158	1.200	1.180	1.152	1.178		3.90
89)	Benzo(k)fluora...	1.203	1.158	1.261	1.228	1.166	1.167	1.166	1.193		3.30
90) C	Benzo(a)pyrene	0.947	0.945	1.064	1.015	0.992	1.006	0.988	0.994		4.13
91)	Dibenzo(a,h)an...	1.005	1.116	1.282	1.191	1.105	1.197	1.104	1.143		7.76
92)	Benzo(g,h,i)pe...	1.002	1.094	1.234	1.189	1.109	1.202	1.128	1.137		6.93

(#) = Out of Range