

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM052622.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri May 27 14:24:42 2022
 Response Via : Initial Calibration

Calibration Files

1 =BM035264.D 5 =BM035265.D 10 =BM035266.D 20 =BM035267.D 40 =BM035268.D 50 =BM035269.D 60 =BM035270.D 80 =BM035271.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.376	0.448	0.394	0.389	0.366	0.326	0.302	0.372	12.81	
3)	Pyridine	0.953	1.187	1.053	1.156	1.117	1.013	0.964	1.063	8.71	
4)	n-Nitrosodimet...	0.417	0.644	0.452	0.553	0.535	0.426	0.394	0.489	18.68	
5) S	2-Fluorophenol	0.996	1.149	1.091	1.053	1.034	0.987	0.933	1.035	6.92	
6)	Aniline	1.368	1.699	1.592	1.631	1.623	1.554	1.468	1.562	7.13	
7) S	Phenol-d6	1.310	1.567	1.488	1.458	1.469	1.426	1.338	1.437	6.17	
8)	2-Chlorophenol	1.188	1.289	1.317	1.231	1.236	1.245	1.173	1.240	4.13	
9)	Benzaldehyde	0.804	1.012	0.786	0.702	0.662			0.793	17.09	
10) C	Phenol	1.263	1.548	1.422	1.430	1.418	1.376	1.294	1.393	6.80	
11)	bis(2-Chloroet...	0.995	1.243	1.109	1.100	1.099	1.042	0.981	1.082	8.16	
12)	1,3-Dichlorobe...	1.407	1.452	1.511	1.385	1.371	1.389	1.292	1.401	4.87	
13) C	1,4-Dichlorobe...	1.475	1.505	1.570	1.425	1.409	1.437	1.334	1.451	5.20	
14)	1,2-Dichlorobe...	1.471	1.486	1.549	1.424	1.391	1.417	1.327	1.438	4.99	
15)	Benzyl Alcohol	0.906	1.179	1.091	1.156	1.151	1.073	1.013	1.081	8.89	
16)	2,2'-oxybis(1-...	1.088	1.931	1.233	1.504	1.492	1.160	1.076	1.355	22.85	
17)	2-Methylphenol	0.921	1.114	1.045	1.033	1.039	1.040	0.963	1.022	6.13	
18)	Hexachloroethane	0.473	0.538	0.514	0.500	0.494	0.471	0.443	0.490	6.38	
19) P	n-Nitroso-di-n...	0.811	0.804	1.133	0.947	0.995	0.999	0.907	0.844	0.930	12.11
20)	3+4-Methylphenols	1.251	1.518	1.494	1.474	1.479	1.478	1.370	1.438	6.58	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.436	0.477	0.497	0.480	0.472	0.469	0.454	0.469	4.18	
23) S	Nitrobenzene-d5	0.306	0.362	0.352	0.367	0.367	0.343	0.331	0.347	6.47	
24)	Nitrobenzene	0.285	0.340	0.320	0.334	0.332	0.307	0.297	0.317	6.51	
25)	Isophorone	0.498	0.600	0.579	0.603	0.602	0.569	0.551	0.572	6.62	
26) C	2-Nitrophenol	0.153	0.158	0.192	0.184	0.186	0.192	0.188	0.179	9.11	
27)	2,4-Dimethylph...	0.224	0.242	0.259	0.251	0.251	0.255	0.249	0.247	4.67	
28)	bis(2-Chloroet...	0.346	0.397	0.391	0.386	0.382	0.374	0.361	0.377	4.77	
29) C	2,4-Dichloroph...	0.291	0.289	0.352	0.328	0.327	0.348	0.339	0.325	7.86	
30)	1,2,4-Trichlor...	0.379	0.323	0.408	0.365	0.370	0.391	0.376	0.373	7.04	
31)	Naphthalene	0.962	0.963	1.036	0.985	0.973	1.003	0.962	0.983	2.80	
32)	Benzoic acid		0.191	0.229	0.249	0.254	0.259	0.262	0.241	11.14	
33)	4-Chloroaniline	0.363	0.401	0.437	0.428	0.424	0.439	0.427	0.417	6.40	
34) C	Hexachlorobuta...	0.256	0.200	0.278	0.242	0.241	0.262	0.250	0.247	9.83	
35)	Caprolactam	0.079	0.094	0.106	0.110	0.111	0.115	0.114	0.104	12.45	
36) C	4-Chloro-3-met...	0.292	0.328	0.347	0.351	0.348	0.350	0.346	0.337	6.32	
37)	2-Methylnaphth...	0.709	0.710	0.790	0.736	0.728	0.754	0.741	0.738	3.79	
38)	1-Methylnaphth...	0.706	0.694	0.772	0.725	0.721	0.747	0.726	0.727	3.53	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM052622.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.655	0.517	0.717	0.621	0.621	0.669	0.651	0.636	9.68	
41) P	Hexachlorocycl...	0.228	0.347	0.314	0.325	0.352	0.340	0.318	14.56		
42) S	2,4,6-Tribromo...	0.304	0.302	0.356	0.301	0.301	0.362	0.362	0.327	9.53	
43) C	2,4,6-Trichlor...	0.393	0.361	0.474	0.430	0.430	0.451	0.446	0.426	8.91	
44)	2,4,5-Trichlor...	0.432	0.386	0.512	0.463	0.464	0.496	0.487	0.463	9.23	
45) S	2-Fluorobiphenyl	1.422	1.313	1.555	1.397	1.371	1.417	1.378	1.408	5.30	
46)	1,1'-Biphenyl	1.400	1.395	1.551	1.424	1.397	1.425	1.396	1.427	3.94	
47)	2-Chloronaphth...	1.072	1.061	1.191	1.111	1.092	1.124	1.099	1.107	3.87	
48)	2-Nitroaniline	0.209	0.300	0.277	0.321	0.316	0.282	0.283	0.284	13.10	
49)	Acenaphthylene	1.597	1.664	1.825	1.725	1.715	1.743	1.721	1.713	4.09	
50)	Dimethylphthalate	1.468	1.438	1.593	1.520	1.503	1.536	1.521	1.511	3.27	
51)	2,6-Dinitrotol...	0.284	0.291	0.338	0.323	0.318	0.334	0.333	0.317	6.70	
52) C	Acenaphthene	1.008	1.017	1.102	1.047	1.030	1.043	1.036	1.040	2.94	
53)	3-Nitroaniline	0.251	0.301	0.323	0.333	0.329	0.334	0.333	0.315	9.62	
54) P	2,4-Dinitrophenol	0.152	0.219	0.228	0.234	0.253	0.256	0.224	16.96		
55)	Dibenzofuran	1.758	1.726	1.922	1.791	1.750	1.820	1.795	1.795	3.59	
56) P	4-Nitrophenol	0.226	0.256	0.279	0.276	0.284	0.289	0.268	8.76		
57)	2,4-Dinitrotol...	0.373	0.402	0.470	0.467	0.460	0.481	0.480	0.447	9.53	
58)	Fluorene	1.402	1.372	1.527	1.456	1.433	1.466	1.457	1.445	3.43	
59)	2,3,4,6-Tetrac...	0.437	0.359	0.496	0.449	0.443	0.486	0.483	0.450	10.28	
60)	Diethylphthalate	1.408	1.548	1.582	1.582	1.543	1.534	1.526	1.532	3.83	
61)	4-Chlorophenyl...	0.807	0.710	0.868	0.802	0.788	0.827	0.815	0.803	6.02	
62)	4-Nitroaniline	0.244	0.316	0.337	0.365	0.360	0.366	0.370	0.337	13.44	
63)	Azobenzene	0.991	1.340	1.137	1.263	1.236	1.104	1.104	1.168	10.11	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.144	0.145	0.147	0.155	0.151	0.140	15.68		
66) c	n-Nitrosodiphe...	0.533	0.544	0.599	0.556	0.550	0.565	0.537	0.555	4.01	
67)	4-Bromophenyl-...	0.227	0.211	0.258	0.221	0.224	0.243	0.233	0.231	6.65	
68)	Hexachlorobenzene	0.273	0.232	0.295	0.245	0.245	0.275	0.263	0.261	8.34	
69)	Atrazine	0.196	0.204	0.227	0.214	0.210	0.216	0.203	0.210	4.82	
70) C	Pentachlorophenol	0.133	0.134	0.177	0.161	0.164	0.187	0.179	0.162	13.30	
71)	Phenanthrene	1.001	0.997	1.104	1.037	1.021	1.047	1.017	1.032	3.52	
72)	Anthracene	0.960	0.967	1.088	1.027	1.015	1.048	1.011	1.017	4.39	
73)	Carbazole	0.898	0.950	1.021	1.017	0.994	1.024	0.986	0.984	4.68	
74)	Di-n-butylphth...	1.001	1.129	1.190	1.222	1.207	1.193	1.155	1.157	6.54	
75) C	Fluoranthene	1.215	1.207	1.329	1.316	1.290	1.352	1.317	1.290	4.40	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.361	0.331	0.304	0.347	0.294	0.244	0.314	13.55		
78)	Pyrene	1.142	1.173	1.317	1.201	1.174	1.122	1.076	1.172	6.46	
79) S	Terphenyl-d14	1.041	1.036	1.183	1.020	0.985	0.966	0.918	1.021	8.17	
80)	Butylbenzylphth...	0.389	0.480	0.496	0.527	0.520	0.469	0.451	0.476	9.82	
81)	Benzo(a)anthra...	1.200	1.244	1.321	1.276	1.258	1.241	1.194	1.248	3.52	
82)	3,3'-Dichlorob...	0.292	0.304	0.325	0.330	0.316	0.311	0.307	0.312	4.14	
83)	Chrysene	1.165	1.182	1.268	1.219	1.182	1.175	1.146	1.191	3.39	
84)	Bis(2-ethylhex...	0.588	0.731	0.739	0.798	0.777	0.705	0.673	0.716	9.80	
85) c	Di-n-octyl pht...	0.955	1.247	1.170	1.375	1.353	1.242	1.211	1.222	11.36	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.229	1.224	1.333	1.376	1.279	1.409	1.408	1.323		6.02
88)	Benzo(b)fluora...	1.154	1.183	1.286	1.171	1.208	1.186	1.127	1.188		4.23
89)	Benzo(k)fluora...	1.141	1.154	1.312	1.200	1.210	1.138	1.118	1.182		5.64
90) C	Benzo(a)pyrene	0.916	0.959	1.036	1.021	1.011	0.995	0.964	0.986		4.24
91)	Dibenzo(a,h)an...	1.026	1.020	1.122	1.144	1.074	1.181	1.183	1.107		6.18
92)	Benzo(g,h,i)pe...	0.994	0.996	1.069	1.123	1.016	1.124	1.131	1.064		5.88

(#) = Out of Range