

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM060520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

CalibrationFiles

10 =BM026273.D 20 =BM026274.D 40 =BM026275.D 50 =BM026280.D 60 =BM026281.D 80 =BM026278.D 100 =BM026279.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.516	0.590	0.551	0.477	0.492	0.481	0.463	0.510	8.97
3)	Pyridine	1.462	1.719	1.592	1.413	1.461	1.440	1.399	1.498	7.74
4)	n-Nitrosodimet...	0.723	0.845	0.807	0.698	0.718	0.708	0.692	0.742	8.05
5) S	2-Fluorophenol	1.111	1.278	1.198	1.068	1.102	1.094	1.067	1.131	6.92
6)	Aniline	2.112	2.439	2.298	2.051	2.096	2.066	1.979	2.149	7.51
7) S	Phenol-d6	1.601	1.839	1.733	1.557	1.605	1.588	1.544	1.638	6.57
8)	2-Chlorophenol	1.286	1.477	1.373	1.238	1.273	1.262	1.225	1.305	6.89
9)	Benzaldehyde	1.086	1.046	0.864	1.127	1.100			1.044	10.07
10) C	Phenol	1.699	1.958	1.835	1.664	1.709	1.694	1.651	1.744	6.41
11)	bis(2-Chloroet...	1.419	1.606	1.489	1.321	1.363	1.338	1.300	1.405	7.81
12)	1,3-Dichlorobe...	1.468	1.666	1.539	1.359	1.380	1.369	1.331	1.445	8.41
13) C	1,4-Dichlorobe...	1.494	1.695	1.557	1.388	1.406	1.395	1.365	1.471	8.16
14)	1,2-Dichlorobe...	1.453	1.633	1.530	1.353	1.377	1.376	1.338	1.437	7.59
15)	Benzyl Alcohol	1.336	1.566	1.478	1.333	1.359	1.350	1.315	1.391	6.76
16)	2,2'-oxybis(1-...	2.818	3.082	2.838	2.419	2.467	2.426	2.320	2.624	10.91
17)	2-Methylphenol	1.265	1.442	1.350	1.208	1.235	1.229	1.196	1.275	7.03
18)	Hexachloroethane	0.547	0.632	0.600	0.525	0.538	0.538	0.520	0.557	7.59
19) P	n-Nitroso-di-n...	1.277	1.454	1.363	1.207	1.232	1.222	1.180	1.276	7.70
20)	3+4-Methylphenols	1.680	1.957	1.847	1.656	1.691	1.694	1.639	1.738	6.80
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.500	0.588	0.542	0.486	0.499	0.499	0.486	0.514	7.30
23) S	Nitrobenzene-d5	0.399	0.466	0.433	0.385	0.394	0.393	0.381	0.407	7.57
24)	Nitrobenzene	0.429	0.489	0.448	0.398	0.411	0.411	0.399	0.426	7.67
25)	Isophorone	0.727	0.867	0.809	0.725	0.746	0.751	0.731	0.765	6.96
26) C	2-Nitrophenol	0.149	0.186	0.179	0.162	0.168	0.170	0.168	0.169	7.01
27)	2,4-Dimethylph...	0.254	0.303	0.281	0.252	0.261	0.261	0.253	0.266	7.07
28)	bis(2-Chloroet...	0.432	0.503	0.459	0.407	0.415	0.416	0.407	0.434	8.13
29) C	2,4-Dichloroph...	0.274	0.329	0.310	0.277	0.286	0.289	0.281	0.292	6.82
30)	1,2,4-Trichlor...	0.316	0.366	0.340	0.301	0.310	0.308	0.304	0.321	7.42
31)	Naphthalene	1.004	1.164	1.057	0.947	0.972	0.968	0.943	1.008	7.86
32)	Benzoic acid	0.106	0.183	0.218	0.206	0.220	0.226	0.227	0.198	21.97
33)	4-Chloroaniline	0.425	0.495	0.463	0.416	0.427	0.431	0.419	0.440	6.62
34) C	Hexachlorobuta...	0.198	0.234	0.215	0.188	0.194	0.196	0.191	0.202	8.15
35)	Caprolactam	0.086	0.112	0.108	0.101	0.104	0.107	0.103	0.103	8.14
36) C	4-Chloro-3-met...	0.343	0.401	0.372	0.338	0.347	0.352	0.340	0.356	6.39
37)	2-Methylnaphth...	0.710	0.823	0.751	0.677	0.696	0.695	0.675	0.718	7.36
38)	1-Methylnaphth...	0.680	0.779	0.713	0.638	0.655	0.658	0.640	0.680	7.42

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM060520.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.550	0.653	0.608	0.539	0.549	0.546	0.540	0.569	7.73	
41) P	Hexachlorocycl...	0.274	0.374	0.362	0.322	0.334	0.343	0.339	0.335	9.64	
42) S	2,4,6-Tribromo...	0.229	0.267	0.251	0.232	0.239	0.242	0.236	0.242	5.32	
43) C	2,4,6-Trichlor...	0.357	0.433	0.414	0.368	0.378	0.375	0.371	0.385	7.13	
44)	2,4,5-Trichlor...	0.419	0.509	0.478	0.425	0.437	0.434	0.429	0.447	7.48	
45) S	2-Fluorobiphenyl	1.296	1.527	1.405	1.241	1.271	1.252	1.230	1.318	8.31	
46)	1,1'-Biphenyl	1.377	1.630	1.489	1.318	1.347	1.341	1.312	1.402	8.33	
47)	2-Chloronaphth...	1.112	1.316	1.209	1.070	1.102	1.089	1.076	1.139	7.98	
48)	2-Nitroaniline	0.407	0.504	0.482	0.434	0.446	0.450	0.437	0.451	7.07	
49)	Acenaphthylene	1.765	2.077	1.928	1.719	1.768	1.762	1.733	1.822	7.25	
50)	Dimethylphthalate	1.462	1.666	1.536	1.373	1.413	1.411	1.379	1.463	7.20	
51)	2,6-Dinitrotol...	0.301	0.360	0.340	0.308	0.313	0.315	0.310	0.321	6.55	
52) C	Acenaphthene	1.079	1.250	1.160	1.027	1.060	1.049	1.030	1.094	7.53	
53)	3-Nitroaniline	0.318	0.391	0.373	0.348	0.357	0.360	0.355	0.357	6.26	
54) P	2,4-Dinitrophenol	0.146	0.194	0.204	0.195	0.205	0.212	0.211	0.195	11.64	
55)	Dibenzofuran	1.781	2.004	1.858	1.660	1.687	1.691	1.652	1.762	7.37	
56) P	4-Nitrophenol	0.250	0.302	0.294	0.278	0.285	0.293	0.282	0.283	6.00	
57)	2,4-Dinitrotol...	0.408	0.484	0.464	0.432	0.446	0.451	0.439	0.446	5.37	
58)	Fluorene	1.439	1.622	1.501	1.353	1.381	1.383	1.340	1.431	7.01	
59)	2,3,4,6-Tetrac...	0.371	0.430	0.403	0.367	0.376	0.371	0.362	0.383	6.46	
60)	Diethylphthalate	1.472	1.678	1.546	1.420	1.445	1.454	1.415	1.490	6.28	
61)	4-Chlorophenyl...	0.754	0.867	0.799	0.715	0.731	0.732	0.717	0.759	7.30	
62)	4-Nitroaniline	0.338	0.405	0.395	0.376	0.382	0.394	0.378	0.381	5.69	
63)	Azobenzene	1.598	1.836	1.728	1.544	1.579	1.585	1.541	1.630	6.77	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.129	0.129	0.119	0.123	0.129	0.127	0.122	9.70	
66) c	n-Nitrosodiphe...	0.557	0.671	0.622	0.541	0.559	0.560	0.546	0.579	8.36	
67)	4-Bromophenyl-...	0.214	0.250	0.238	0.204	0.210	0.214	0.211	0.220	7.59	
68)	Hexachlorobenzene	0.224	0.264	0.246	0.215	0.222	0.221	0.217	0.230	8.01	
69)	Atrazine	0.181	0.196	0.195	0.168	0.171	0.158	0.143	0.173	11.18	
70) C	Pentachlorophenol	0.115	0.148	0.148	0.135	0.141	0.143	0.138	0.138	8.12	
71)	Phenanthrene	1.040	1.192	1.102	0.982	1.000	1.004	0.971	1.042	7.63	
72)	Anthracene	1.006	1.180	1.101	0.981	1.010	1.015	0.982	1.039	7.11	
73)	Carbazole	0.964	1.099	1.026	0.943	0.962	0.971	0.934	0.986	5.89	
74)	Di-n-butylphth...	1.080	1.247	1.204	1.121	1.162	1.180	1.143	1.162	4.71	
75) C	Fluoranthene	1.217	1.293	1.203	1.165	1.174	1.182	1.124	1.194	4.41	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.400	0.475	0.474	0.381	0.348			0.415	13.64	
78)	Pyrene	1.218	1.592	1.488	1.156	1.284	1.256	1.255	1.321	11.94	
79) S	Terphenyl-d14	0.982	1.243	1.146	0.905	0.999	0.973	0.965	1.030	11.56	
80)	Butylbenzylpht...	0.455	0.567	0.563	0.501	0.546	0.553	0.555	0.534	7.70	
81)	Benzo(a)anthra...	1.199	1.387	1.265	1.129	1.154	1.154	1.115	1.200	8.03	
82)	3,3'-Dichlorob...	0.377	0.430	0.397	0.359	0.348	0.352	0.336	0.371	8.75	
83)	Chrysene	1.148	1.323	1.223	1.071	1.101	1.089	1.053	1.144	8.51	
84)	Bis(2-ethylhex...	0.672	0.779	0.779	0.737	0.780	0.796	0.791	0.762	5.78	
85) c	Di-n-octyl pht...	1.035	1.159	1.174	1.206	1.193	1.254	1.207	1.175	5.86	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\

Method File : 8270-BM060520.M

86) I Perylene-d12

-----ISTD-----

87)	Indeno(1,2,3-c...	1.068	1.410	1.321	1.024	1.104	1.079	1.093	1.157	12.71
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88)	Benzo(b)fluora...	1.187	1.382	1.259	1.133	1.177	1.163	1.120	1.203	7.55
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89)	Benzo(k)fluora...	1.127	1.330	1.223	1.099	1.140	1.143	1.120	1.169	6.93
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90)	C	Benzo(a)pyrene	1.022	1.220	1.146	1.006	1.033	1.038	1.015	1.069	7.64
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91)	Dibenzo(a,h)an...	0.901	1.167	1.103	0.859	0.923	0.900	0.909	0.966	12.25
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92)	Benzo(g,h,i)pe...	0.837	1.127	1.068	0.798	0.875	0.860	0.869	0.919	13.68
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(#) = Out of Range