

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF040622.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 06 13:55:27 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF127640.D 10 =BF127641.D 20 =BF127642.D 40 =BF127643.D 50 =BF127644.D 60 =BF127645.D 80 =BF127646.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.651	0.620	0.605	0.585	0.556	0.530	0.539	0.584	7.64
3)	Pyridine	1.760	1.609	1.605	1.533	1.430	1.393	1.434	1.538	8.50
4)	n-Nitrosodimet...	0.908	0.847	0.865	0.835	0.789	0.770	0.774	0.827	6.22
5) S	2-Fluorophenol	1.473	1.371	1.310	1.194	1.125	1.069	1.073	1.231	12.78
6)	Aniline	2.160	1.980	1.964	1.950	1.814	1.759	1.816	1.920	7.12
7) S	Phenol-d6	1.906	1.790	1.700	1.577	1.469	1.406	1.422	1.610	12.06
8)	2-Chlorophenol	1.500	1.401	1.344	1.214	1.131	1.079	1.072	1.249	13.51
9)	Benzaldehyde		1.165	1.060	0.781	0.783	0.761		0.910	20.75
10) C	Phenol	1.906	1.795	1.702	1.587	1.455	1.410	1.415	1.610	12.23
11)	bis(2-Chloroet...	1.577	1.472	1.385	1.307	1.228	1.169	1.169	1.330	11.77
12)	1,3-Dichlorobe...	1.713	1.594	1.499	1.392	1.309	1.234	1.245	1.427	12.81
13) C	1,4-Dichlorobe...	1.772	1.616	1.524	1.390	1.308	1.249	1.237	1.442	14.04
14)	1,2-Dichlorobe...	1.637	1.538	1.449	1.298	1.211	1.137		1.379	14.15
15)	Benzyl Alcohol	1.623	1.519	1.476	1.421	1.305	1.251	1.259	1.408	10.06
16)	2,2'-oxybis(1-...	2.448	2.289	2.211	2.093	1.942	1.844	1.864	2.099	10.92
17)	2-Methylphenol	1.234	1.180	1.140	1.078	1.013	0.981	0.978	1.086	9.35
18)	Hexachloroethane	0.622	0.597	0.584	0.550	0.517	0.493	0.489	0.550	9.55
19) P	n-Nitroso-di-n...	1.213	1.145	1.068	1.037	0.958	0.926	0.943	1.041	10.43
20)	3+4-Methylphenols	1.661	1.557	1.468	1.367	1.256	1.192	1.187	1.384	13.38
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.621	0.587	0.565	0.526	0.489	0.474	0.501	0.537	10.17
23) S	Nitrobenzene-d5	0.445	0.456	0.467	0.459	0.435	0.426	0.453	0.449	3.16
24)	Nitrobenzene	0.444	0.449	0.447	0.442	0.423	0.407	0.432	0.435	3.50
25)	Isophorone	0.840	0.802	0.782	0.793	0.739	0.735	0.789	0.783	4.65
26) C	2-Nitrophenol	0.126	0.147	0.160	0.167	0.160	0.160	0.173	0.156	10.00
27)	2,4-Dimethylph...	0.356	0.324	0.309	0.299	0.282	0.276	0.295	0.306	8.94
28)	bis(2-Chloroet...	0.551	0.508	0.491	0.485	0.445	0.434	0.466	0.483	8.21
29) C	2,4-Dichloroph...	0.357	0.351	0.337	0.329	0.309	0.304	0.320	0.330	6.11
30)	1,2,4-Trichlor...	0.421	0.412	0.392	0.379	0.353	0.338	0.360	0.379	8.14
31)	Naphthalene	1.211	1.142	1.089	1.028	0.964	0.933	0.969	1.048	9.85
32)	Benzoic acid		0.171	0.211	0.241	0.226	0.230	0.254	0.222	13.03
33)	4-Chloroaniline	0.473	0.446	0.427	0.411	0.378	0.365	0.389	0.413	9.37
34) C	Hexachlorobuta...	0.282	0.281	0.271	0.260	0.243	0.237	0.252	0.261	6.79
35)	Caprolactam	0.104	0.102	0.094	0.100	0.092	0.093	0.097	0.097	4.64
36) C	4-Chloro-3-met...	0.367	0.365	0.354	0.351	0.323	0.322	0.337	0.346	5.40
37)	2-Methylnaphth...	0.813	0.757	0.723	0.699	0.647	0.620	0.647	0.701	9.84
38)	1-Methylnaphth...	0.789	0.741	0.698	0.670	0.616	0.598	0.624	0.677	10.44

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\ Method File : 8270-BF040622.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.755	0.697	0.689	0.653	0.605	0.585	0.608	0.656	9.33
41) P	Hexachlorocycl...	0.384	0.378	0.408	0.412	0.388	0.384	0.413	0.395	3.85
42) S	2,4,6-Tribromo...	0.237	0.225	0.221	0.210	0.198	0.194	0.205	0.213	7.34
43) C	2,4,6-Trichlor...	0.478	0.447	0.466	0.449	0.415	0.423	0.440	0.445	4.96
44)	2,4,5-Trichlor...	0.493	0.473	0.466	0.456	0.410	0.412	0.436	0.449	6.98
45) S	2-Fluorobiphenyl	1.704	1.570	1.489	1.367	1.269	1.236	1.261	1.414	12.66
46)	1,1'-Biphenyl	1.756	1.653	1.624	1.508	1.387	1.375	1.404	1.530	9.84
47)	2-Chloronaphth...	1.402	1.311	1.278	1.204	1.107	1.079	1.127	1.216	9.85
48)	2-Nitroaniline	0.326	0.343	0.390	0.404	0.384	0.388	0.408	0.378	8.22
49)	Acenaphthylene	2.143	1.977	1.940	1.842	1.699	1.648	1.693	1.849	9.83
50)	Dimethylphthalate	1.646	1.536	1.498	1.450	1.335	1.317	1.367	1.450	8.25
51)	2,6-Dinitrotol...	0.271	0.267	0.286	0.285	0.263	0.266	0.275	0.273	3.30
52) C	Acenaphthene	1.331	1.232	1.202	1.164	1.065	1.066	1.093	1.165	8.45
53)	3-Nitroaniline	0.285	0.290	0.297	0.298	0.276	0.282	0.292	0.289	2.85
54) P	2,4-Dinitrophenol	0.086	0.107	0.127	0.123	0.128	0.140	0.119		16.00
55)	Dibenzofuran	2.015	1.851	1.783	1.680	1.530	1.512	1.527	1.700	11.35
56) P	4-Nitrophenol	0.222	0.228	0.242	0.236	0.215	0.219	0.226	0.227	4.14
57)	2,4-Dinitrotol...	0.303	0.332	0.355	0.355	0.336	0.340	0.350	0.339	5.37
58)	Fluorene	1.557	1.360	1.321	1.222	1.118	1.084	1.129	1.256	13.47
59)	2,3,4,6-Tetrac...	0.432	0.421	0.407	0.390	0.363	0.361	0.367	0.392	7.42
60)	Diethylphthalate	1.612	1.484	1.428	1.382	1.275	1.241	1.289	1.387	9.55
61)	4-Chlorophenyl...	0.818	0.761	0.717	0.681	0.631	0.604	0.619	0.690	11.55
62)	4-Nitroaniline	0.266	0.273	0.285	0.281	0.260	0.265	0.272	0.272	3.23
63)	Azobenzene	1.753	1.633	1.616	1.552	1.439	1.404	1.454	1.550	8.14
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.073	0.092	0.105	0.099	0.101	0.110	0.097		13.49
66) c	n-Nitrosodiphe...	0.706	0.667	0.649	0.634	0.581	0.565	0.607	0.630	7.87
67)	4-Bromophenyl-...	0.274	0.259	0.248	0.245	0.223	0.214	0.234	0.243	8.53
68)	Hexachlorobenzene	0.293	0.277	0.272	0.270	0.246	0.239	0.261	0.265	6.96
69)	Atrazine	0.260	0.231	0.220	0.203	0.185	0.175	0.191	0.209	14.07
70) C	Pentachlorophenol	0.157	0.161	0.167	0.165	0.152	0.148	0.160	0.158	4.24
71)	Phenanthrene	1.263	1.151	1.100	1.049	0.958	0.925	0.971	1.060	11.42
72)	Anthracene	1.216	1.136	1.102	1.044	0.950	0.919	0.970	1.048	10.39
73)	Carbazole	1.163	1.080	1.019	0.967	0.885	0.857	0.904	0.982	11.40
74)	Di-n-butylphth...	1.329	1.253	1.230	1.189	1.087	1.040	1.092	1.174	8.94
75) C	Fluoranthene	1.394	1.290	1.229	1.125	1.036	0.997	1.023	1.156	13.12
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.559	0.593	0.586	0.452	0.419	0.471	0.574	0.522	13.85
78)	Pyrene	1.759	1.683	1.710	1.754	1.624	1.585	1.707	1.689	3.83
79) S	Terphenyl-d14	1.341	1.243	1.223	1.232	1.150	1.111	1.181	1.212	6.14
80)	Butylbenzylpht...	0.592	0.596	0.644	0.667	0.636	0.612	0.654	0.629	4.61
81)	Benzo(a)anthra...	1.474	1.394	1.371	1.322	1.247	1.224	1.318	1.336	6.46
82)	3,3'-Dichlorob...	0.437	0.437	0.452	0.402	0.394	0.385	0.408	0.416	6.08
83)	Chrysene	1.436	1.335	1.334	1.270	1.200	1.156	1.244	1.282	7.36
84)	Bis(2-ethylhex...	0.920	0.876	0.900	0.916	0.868	0.824	0.900	0.886	3.80
85) c	Di-n-octyl pht...	1.242	1.241	1.318	1.345	1.294	1.259	1.373	1.296	4.00

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\

Method File : 8270-BF040622.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.102	1.129	1.196	1.364	1.274	1.271	1.411	1.250	9.20	
88)	Benzo(b)fluora...	1.380	1.382	1.316	1.279	1.195	1.198	1.256	1.287	6.00	
89)	Benzo(k)fluora...	1.380	1.359	1.352	1.291	1.216	1.124	1.211	1.276	7.46	
90) C	Benzo(a)pyrene	1.078	1.063	1.062	1.082	1.003	0.977	1.054	1.046	3.83	
91)	Dibenzo(a,h)an...	0.890	0.911	0.974	1.110	1.044	1.022	1.137	1.012	9.27	
92)	Benzo(g,h,i)pe...	0.929	0.933	0.990	1.134	1.064	1.050	1.166	1.038	8.96	

(#) = Out of Range