

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF031022.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Mar 10 16:51:53 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF127284.D 10 =BF127285.D 20 =BF127286.D 40 =BF127287.D 50 =BF127288.D 60 =BF127289.D 80 =BF127290.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.654	0.732	0.731	0.613	0.644	0.626	0.516	0.645	11.51
3)	Pyridine	1.616	1.791	1.961	1.735	1.799	1.677	1.438	1.717	9.57
4)	n-Nitrosodimet...	0.902	0.993	1.055	0.980	0.988	0.949	0.791	0.951	8.88
5) S	2-Fluorophenol	1.460	1.389	1.390	1.198	1.148	1.105	1.019	1.244	13.54
6)	Aniline	2.320	2.236	2.187	2.090	1.892	1.850	1.744	2.045	10.68
7) S	Phenol-d6	2.044	1.882	1.864	1.694	1.551	1.528	1.417	1.711	13.26
8)	2-Chlorophenol	1.481	1.467	1.378	1.293	1.166	1.170	1.055	1.287	12.71
9)	Benzaldehyde	1.230	1.155	1.116	0.912	0.786	0.786		0.998	19.52
10) C	Phenol	2.253	2.069	2.050	1.895	1.686	1.674	1.532	1.880	13.83
11)	bis(2-Chloroet...	1.607	1.561	1.435	1.438	1.278	1.260	1.195	1.396	11.23
12)	1,3-Dichlorobe...	1.656	1.654	1.538	1.437	1.328	1.304	1.197	1.445	12.36
13) C	1,4-Dichlorobe...	1.676	1.611	1.561	1.459	1.332	1.302	1.206	1.449	12.12
14)	1,2-Dichlorobe...	1.599	1.580	1.489	1.368	1.227	1.199	1.086	1.364	14.69
15)	Benzyl Alcohol	1.321	1.451	1.396	1.335	1.216	1.212	1.050	1.283	10.52
16)	2,2'-oxybis(1-...	3.009	2.923	2.838	2.693	2.384	2.331	2.163	2.620	12.51
17)	2-Methylphenol	1.246	1.215	1.174	1.095	1.002	0.994	0.933	1.094	11.13
18)	Hexachloroethane	0.634	0.621	0.594	0.551	0.505	0.526	0.465	0.557	11.28
19) P	n-Nitroso-di-n...	1.254	1.206	1.117	1.102	0.960	0.937	0.901	1.068	12.89
20)	3+4-Methylphenols	1.681	1.598	1.481	1.392	1.210	1.152		1.419	14.79
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.692	0.566	0.525	0.547	0.499	0.456		0.548	14.74
23) S	Nitrobenzene-d5	0.587	0.494	0.485	0.485	0.462	0.454	0.422	0.484	10.62
24)	Nitrobenzene	0.536	0.472	0.460	0.465	0.440	0.429	0.403	0.458	9.14
25)	Isophorone	0.894	0.797	0.769	0.774	0.763	0.717	0.738	0.779	7.32
26) C	2-Nitrophenol	0.213	0.195	0.189	0.188	0.185	0.179	0.178	0.190	6.34
27)	2,4-Dimethylph...	0.319	0.299	0.288	0.284	0.277	0.263	0.264	0.285	6.97
28)	bis(2-Chloroet...	0.560	0.521	0.493	0.507	0.478	0.449	0.447	0.493	8.17
29) C	2,4-Dichloroph...	0.349	0.352	0.333	0.335	0.319	0.303	0.292	0.326	7.00
30)	1,2,4-Trichlor...	0.412	0.402	0.373	0.374	0.370	0.340	0.332	0.372	7.87
31)	Naphthalene	1.218	1.147	1.144	1.046	1.012	0.977	0.924	1.067	9.90
32)	Benzoic acid		0.122	0.139	0.181	0.204	0.201	0.213	0.177	21.41
33)	4-Chloroaniline	0.467	0.451	0.434	0.408	0.400	0.373	0.361	0.414	9.54
34) C	Hexachlorobuta...	0.267	0.272	0.253	0.253	0.248	0.228	0.214	0.248	8.34
35)	Caprolactam	0.099	0.100	0.095	0.105	0.096	0.092	0.094	0.097	4.59
36) C	4-Chloro-3-met...	0.381	0.377	0.356	0.364	0.358	0.320	0.319	0.353	7.07
37)	2-Methylnaphth...	0.786	0.765	0.710	0.697	0.682	0.627	0.613	0.697	9.25
38)	1-Methylnaphth...	0.726	0.748	0.676	0.684	0.661	0.612	0.584	0.670	8.66

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\ Method File : 8270-BF031022.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.709	0.686	0.668	0.629	0.595	0.585	0.559	0.633	8.91
41) P	Hexachlorocycl...		0.129	0.186	0.251	0.246	0.261	0.263	0.222	24.35
42) S	2,4,6-Tribromo...	0.229	0.227	0.226	0.218	0.205	0.209	0.193	0.215	6.22
43) C	2,4,6-Trichlor...	0.402	0.412	0.415	0.411	0.394	0.391	0.371	0.400	3.90
44)	2,4,5-Trichlor...	0.436	0.425	0.459	0.428	0.416	0.409	0.395	0.424	4.85
45) S	2-Fluorobiphenyl	1.732	1.526	1.530	1.372	1.325	1.274	1.143	1.415	13.83
46)	1,1'-Biphenyl	1.753	1.653	1.593	1.473	1.399	1.406	1.289	1.509	10.81
47)	2-Chloronaphth...	1.319	1.285	1.243	1.138	1.107	1.102	1.030	1.175	9.19
48)	2-Nitroaniline	0.482	0.462	0.471	0.458	0.441	0.437	0.413	0.452	5.13
49)	Acenaphthylene	2.059	1.948	1.926	1.819	1.687	1.639	1.509	1.798	10.86
50)	Dimethylphthalate	1.615	1.501	1.525	1.394	1.390	1.320	1.287	1.433	8.24
51)	2,6-Dinitrotol...	0.306	0.300	0.309	0.295	0.283	0.276	0.261	0.290	6.04
52) C	Acenaphthene	1.273	1.145	1.133	1.054	1.006	0.973	0.918	1.072	11.26
53)	3-Nitroaniline	0.341	0.327	0.342	0.315	0.297	0.305	0.284	0.316	6.98
54) P	2,4-Dinitrophenol		0.103	0.124	0.157	0.154	0.163	0.156	0.143	16.73
55)	Dibenzofuran	1.927	1.827	1.798	1.653	1.534	1.555	1.363	1.665	11.84
56) P	4-Nitrophenol	0.157	0.188	0.196	0.211	0.205	0.196	0.192	0.192	8.95
57)	2,4-Dinitrotol...	0.387	0.406	0.416	0.393	0.373	0.371	0.324	0.381	7.89
58)	Fluorene	1.568	1.399	1.366	1.289	1.193	1.155	1.069	1.291	13.08
59)	2,3,4,6-Tetrac...	0.329	0.352	0.376	0.360	0.364	0.353	0.333	0.352	4.75
60)	Diethylphthalate	1.459	1.408	1.380	1.286	1.264	1.222	1.132	1.307	8.79
61)	4-Chlorophenyl...	0.792	0.746	0.752	0.708	0.662	0.645	0.593	0.700	9.96
62)	4-Nitroaniline	0.349	0.331	0.328	0.320	0.298	0.291	0.286	0.315	7.45
63)	Azobenzene	1.692	1.624	1.572	1.557	1.405	1.362	1.306	1.503	9.65
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.100	0.117	0.127	0.137	0.126	0.127	0.129	0.123	9.58
66) c	n-Nitrosodiphe...	0.719	0.686	0.667	0.615	0.565	0.552	0.546	0.621	11.28
67)	4-Bromophenyl-...	0.267	0.261	0.254	0.248	0.223	0.219	0.215	0.241	8.93
68)	Hexachlorobenzene	0.298	0.279	0.268	0.273	0.240	0.243	0.238	0.263	8.67
69)	Atrazine	0.245	0.232	0.237	0.227	0.201	0.186	0.172	0.214	13.01
70) C	Pentachlorophenol		0.078	0.099	0.117	0.111	0.114	0.116	0.106	14.12
71)	Phenanthrene	1.212	1.163	1.144	1.030	0.966	0.967	0.908	1.056	11.08
72)	Anthracene	1.180	1.200	1.102	1.026	0.963	0.937	0.911	1.046	11.19
73)	Carbazole	1.112	1.102	1.049	0.980	0.919	0.882	0.849	0.985	10.74
74)	Di-n-butylphth...	1.272	1.241	1.248	1.141	1.087	1.075	0.998	1.152	9.07
75) C	Fluoranthene	1.358	1.301	1.276	1.174	1.100	1.058	0.997	1.180	11.51
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.601	0.559	0.572	0.432	0.428	0.469	0.499	0.509	13.65
78)	Pyrene	1.720	1.550	1.676	1.538	1.434	1.480	1.507	1.558	6.66
79) S	Terphenyl-d14	1.298	1.209	1.244	1.136	1.064	1.104	1.075	1.161	7.75
80)	Butylbenzylpht...	0.597	0.615	0.627	0.614	0.580	0.578	0.586	0.600	3.18
81)	Benzo(a)anthra...	1.461	1.412	1.423	1.357	1.276	1.264	1.234	1.347	6.62
82)	3,3'-Dichlorob...	0.483	0.486	0.469	0.405	0.377	0.372	0.339	0.419	14.35
83)	Chrysene	1.377	1.325	1.346	1.228	1.184	1.165	1.142	1.253	7.62
84)	Bis(2-ethylhex...	0.829	0.843	0.860	0.830	0.771	0.769	0.747	0.807	5.40
85) c	Di-n-octyl pht...	1.284	1.252	1.251	1.222	1.264	1.135	1.142	1.222	4.88

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

Method File : 8270-BF031022.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.211	1.125	1.250	1.240	1.109	1.259	1.240	1.205		5.14
88)	Benzo(b)fluora...	1.409	1.373	1.342	1.320	1.288	1.187	1.272	1.313		5.56
89)	Benzo(k)fluora...	1.379	1.321	1.340	1.216	1.144	1.152	1.089	1.234		9.12
90) C	Benzo(a)pyrene	1.106	1.068	1.043	1.061	0.992	0.984	0.981	1.034		4.70
91)	Dibenzo(a,h)an...	1.029	0.949	1.043	1.033	0.919	1.024	1.022	1.003		4.80
92)	Benzo(g,h,i)pe...	0.972	0.934	1.004	1.013	0.858	1.061	1.005	0.978		6.71

(#) = Out of Range