

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF040221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Apr 02 01:16:47 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123544.D 10 =BF123545.D 20 =BF123546.D 40 =BF123547.D 50 =BF123548.D 60 =BF123549.D 80 =BF123550.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.479	0.480	0.506	0.450	0.422	0.411	0.422	0.453	8.00
3)	Pyridine	1.131	1.211	1.224	1.131	1.078	1.042	1.075	1.127	6.15
4)	n-Nitrosodimet...	0.803	0.831	0.870	0.834	0.807	0.776	0.810	0.819	3.63
5) S	2-Fluorophenol	1.120	1.180	1.170	1.104	1.059	1.015	1.056	1.100	5.59
6)	Aniline	1.697	1.900	1.750	1.691	1.614	1.547	1.600	1.686	6.93
7) S	Phenol-d6	1.554	1.662	1.556	1.479	1.425	1.368	1.419	1.495	6.81
8)	2-Chlorophenol	1.307	1.717	1.340	1.261	1.214	1.180	1.203	1.317	14.08
9)	Benzaldehyde	1.025	1.164	1.007	0.835	0.757	0.687		0.913	19.98
10) C	Phenol	1.579	1.787	1.666	1.570	1.499	1.456	1.481	1.577	7.42
11)	bis(2-Chloroet...	1.178	1.563	1.213	1.143	1.106	1.064	1.086	1.193	14.34
12)	1,3-Dichlorobe...	1.484	1.583	1.570	1.453	1.406	1.370	1.406	1.468	5.68
13) C	1,4-Dichlorobe...	1.534	1.634	1.575	1.471	1.421	1.376	1.414	1.489	6.36
14)	1,2-Dichlorobe...	1.449	1.568	1.521	1.419	1.356	1.315	1.345	1.424	6.62
15)	Benzyl Alcohol	1.150	1.285	1.271	1.242	1.195	1.134	1.171	1.207	4.94
16)	2,2'-oxybis(1-...	2.626	3.611	2.630	2.461	2.327	2.234	2.230	2.588	18.58
17)	2-Methylphenol	1.003	1.291	1.069	1.023	0.970	0.921	0.969	1.035	11.79
18)	Hexachloroethane	0.559	0.590	0.590	0.552	0.528	0.505	0.527	0.550	5.89
19) P	n-Nitroso-di-n...	1.069	1.184	1.081	1.031	0.985	0.944	0.973	1.038	7.88
20)	3+4-Methylphenols	1.334	1.581	1.389	1.312	1.268	1.212	1.261	1.337	9.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.491	0.546	0.515	0.504	0.473	0.485	0.502	0.502	4.70
23) S	Nitrobenzene-d5	0.371	0.420	0.400	0.395	0.372	0.384	0.400	0.392	4.44
24)	Nitrobenzene	0.389	0.497	0.402	0.398	0.375	0.387	0.401	0.407	10.01
25)	Isophorone	0.682	0.921	0.732	0.712	0.679	0.688	0.716	0.733	11.66
26) C	2-Nitrophenol	0.164	0.192	0.187	0.190	0.180	0.186	0.192	0.184	5.36
27)	2,4-Dimethylph...	0.255	0.375	0.269	0.272	0.259	0.262	0.289	0.283	14.85
28)	bis(2-Chloroet...	0.349	0.450	0.379	0.375	0.357	0.362	0.376	0.378	8.84
29) C	2,4-Dichloroph...	0.281	0.332	0.314	0.313	0.300	0.301	0.317	0.308	5.23
30)	1,2,4-Trichlor...	0.320	0.336	0.336	0.328	0.316	0.320	0.332	0.327	2.45
31)	Naphthalene	0.989	1.063	1.015	0.992	0.950	0.959	0.994	0.994	3.76
32)	Benzoic acid	0.151	0.202	0.148	0.184	0.192	0.194	0.225	0.185	14.94
33)	4-Chloroaniline	0.399	0.428	0.418	0.402	0.370	0.386	0.388	0.399	4.96
34) C	Hexachlorobuta...	0.211	0.288	0.226	0.227	0.216	0.223	0.227	0.231	11.19
35)	Caprolactam	0.084	0.103	0.090	0.086	0.082	0.083	0.097	0.089	8.93
36) C	4-Chloro-3-met...	0.320	0.412	0.346	0.331	0.316	0.319	0.330	0.339	9.90
37)	2-Methylnaphth...	0.703	0.734	0.749	0.723	0.682	0.698	0.722	0.716	3.20
38)	1-Methylnaphth...	0.656	0.684	0.700	0.666	0.631	0.650	0.672	0.666	3.40

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.549	0.590	0.602	0.613	0.599	0.595	0.626	0.596	4.05
41) P	Hexachlorocycl...	0.247	0.299	0.323	0.347	0.343	0.351	0.375	0.326	13.01
42) S	2,4,6-Tribromo...	0.254	0.286	0.279	0.280	0.268	0.269	0.283	0.274	4.05
43) C	2,4,6-Trichlor...	0.374	0.414	0.430	0.423	0.416	0.420	0.440	0.417	4.98
44)	2,4,5-Trichlor...	0.413	0.451	0.458	0.456	0.437	0.445	0.470	0.447	4.11
45) S	2-Fluorobiphenyl	1.425	1.483	1.489	1.450	1.403	1.386	1.465	1.443	2.75
46)	1,1'-Biphenyl	1.501	1.570	1.568	1.540	1.507	1.496	1.587	1.538	2.44
47)	2-Chloronaphth...	1.151	1.238	1.229	1.197	1.170	1.164	1.224	1.196	2.91
48)	2-Nitroaniline	0.374	0.416	0.414	0.400	0.396	0.392	0.414	0.401	3.83
49)	Acenaphthylene	1.807	1.902	1.888	1.846	1.791	1.766	1.843	1.835	2.72
50)	Dimethylphthalate	1.414	1.503	1.465	1.401	1.378	1.345	1.424	1.419	3.72
51)	2,6-Dinitrotol...	0.308	0.329	0.320	0.324	0.308	0.311	0.325	0.318	2.70
52) C	Acenaphthene	1.176	1.275	1.266	1.270	1.214	1.221	1.268	1.242	3.05
53)	3-Nitroaniline	0.317	0.334	0.327	0.322	0.306	0.305	0.317	0.318	3.36
54) P	2,4-Dinitrophenol	0.143	0.163	0.181	0.175	0.181	0.194	0.173		10.17
55)	Dibenzofuran	1.714	1.777	1.729	1.688	1.634	1.611	1.690	1.692	3.33
56) P	4-Nitrophenol	0.233	0.264	0.257	0.251	0.242	0.240	0.252	0.248	4.28
57)	2,4-Dinitrotol...	0.394	0.442	0.434	0.421	0.408	0.402	0.427	0.418	4.18
58)	Fluorene	1.386	1.476	1.419	1.371	1.347	1.320	1.406	1.389	3.68
59)	2,3,4,6-Tetrac...	0.330	0.387	0.378	0.369	0.368	0.362	0.391	0.369	5.46
60)	Diethylphthalate	1.526	1.633	1.555	1.488	1.424	1.426	1.477	1.504	4.95
61)	4-Chlorophenyl...	0.666	0.711	0.690	0.681	0.659	0.646	0.681	0.676	3.20
62)	4-Nitroaniline	0.318	0.336	0.329	0.313	0.301	0.302	0.311	0.316	4.10
63)	Azobenzene	1.398	1.515	1.451	1.398	1.341	1.334	1.385	1.403	4.48
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.096	0.118	0.134	0.137	0.135	0.137	0.147	0.129	13.31
66) c	n-Nitrosodiphe...	0.678	0.698	0.711	0.701	0.677	0.678	0.713	0.694	2.29
67)	4-Bromophenyl-...	0.230	0.246	0.248	0.253	0.243	0.246	0.257	0.246	3.50
68)	Hexachlorobenzene	0.262	0.269	0.280	0.274	0.266	0.267	0.284	0.272	2.94
69)	Atrazine	0.233	0.240	0.235	0.228	0.220	0.222	0.233	0.230	3.13
70) C	Pentachlorophenol	0.122	0.143	0.154	0.166	0.162	0.165	0.174	0.155	11.32
71)	Phenanthrene	1.106	1.175	1.127	1.095	1.040	1.046	1.078	1.095	4.30
72)	Anthracene	1.097	1.185	1.136	1.082	1.045	1.051	1.083	1.097	4.47
73)	Carbazole	1.016	1.497	1.026	0.979	0.924	0.935	0.963	1.048	19.19
74)	Di-n-butylphth...	1.299	2.198	1.370	1.307	1.252	1.245	1.274	1.421	24.30
75) C	Fluoranthene	1.163	1.929	1.169	1.120	1.040	1.024	1.064	1.216	26.30
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.778	0.758	0.732	0.616	0.579	0.588	0.574	0.661	13.75
78)	Pyrene	1.514	1.691	1.654	1.734	1.703	1.707	1.834	1.691	5.69
79) S	Terphenyl-d14	1.226	1.302	1.338	1.379	1.395	1.369	1.458	1.353	5.46
80)	Butylbenzylpht...	0.677	0.771	0.760	0.779	0.770	0.767	0.790	0.759	4.90
81)	Benzo(a)anthra...	1.313	1.404	1.379	1.335	1.288	1.293	1.359	1.339	3.29
82)	3,3'-Dichlorob...	0.406	0.470	0.436	0.399	0.379	0.368	0.370	0.404	9.27
83)	Chrysene	1.273	1.394	1.344	1.286	1.232	1.216	1.286	1.290	4.78
84)	Bis(2-ethylhex...	0.974	1.080	1.063	1.084	1.087	1.056	1.109	1.065	4.08
85) c	Di-n-octyl pht...	1.529	1.708	1.610	1.539	1.513	1.497	1.603	1.571	4.70

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	Perylene-d12	-----ISTD-----								
I	Indeno(1,2,3-c...)	0.971	1.045	1.062	1.206	1.178	1.228	1.351	1.149	11.31
	Benzo(b)fluora...	1.278	1.406	1.419	1.403	1.273	1.265	1.391	1.348	5.30
	Benzo(k)fluora...	1.231	1.420	1.331	1.288	1.205	1.234	1.242	1.279	5.89
C	Benzo(a)pyrene	1.077	1.192	1.173	1.163	1.105	1.093	1.172	1.139	4.04
	Dibenzo(a,h)an...	0.831	0.900	0.907	1.016	1.017	1.044	1.149	0.981	10.96
	Benzo(g,h,i)pe...	0.776	0.820	0.838	0.978	0.968	0.997	1.103	0.926	12.64

(#) = Out of Range