

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF072022.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jul 20 13:42:18 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF129283.D 10 =BF129284.D 20 =BF129285.D 40 =BF129286.D 50 =BF129287.D 60 =BF129288.D 80 =BF129289.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.572	0.571	0.565	0.531	0.529	0.529	0.508	0.544	4.70
3)	Pyridine	1.541	1.484	1.464	1.542	1.481	1.547	1.449	1.501	2.72
4)	n-Nitrosodimet...	0.653	0.693	0.693	0.679	0.666	0.683	0.651	0.674	2.64
5) S	2-Fluorophenol	1.401	1.381	1.335	1.175	1.135	1.115	1.040	1.226	11.74
6)	Aniline	2.103	2.087	2.054	1.867	1.833	1.820	1.701	1.923	8.15
7) S	Phenol-d6	1.805	1.751	1.680	1.495	1.454	1.426	1.332	1.563	11.57
8)	2-Chlorophenol	1.496	1.528	1.467	1.294	1.256	1.233	1.136	1.344	11.26
9)	Benzaldehyde	1.216	1.221	1.180	1.035	1.000	0.974	0.879	1.072	12.52
10) C	Phenol	1.817	1.821	1.781	1.591	1.577	1.518	1.395	1.643	10.10
11)	bis(2-Chloroet...	1.437	1.442	1.396	1.256	1.221	1.216	1.134	1.300	9.46
12)	1,3-Dichlorobe...	1.649	1.619	1.562	1.399	1.350	1.337	1.226	1.449	11.14
13) C	1,4-Dichlorobe...	1.647	1.652	1.594	1.417	1.367	1.347	1.237	1.466	11.22
14)	1,2-Dichlorobe...	1.548	1.555	1.506	1.303	1.244	1.214	1.112	1.355	13.30
15)	Benzyl Alcohol	1.191	1.240	1.234	1.110	1.087	1.084	0.992	1.134	8.04
16)	2,2'-oxybis(1-...	2.202	2.215	2.143	1.910	1.872	1.842	1.693	1.982	10.27
17)	2-Methylphenol	1.184	1.194	1.186	1.057	1.042	1.033	0.971	1.096	8.30
18)	Hexachloroethane	0.593	0.608	0.595	0.532	0.521	0.519	0.483	0.550	8.75
19) P	n-Nitroso-di-n...	1.081	1.053	1.010	0.877	0.848	0.851	0.800	0.931	12.15
20)	3+4-Methylphenols	1.627	1.611	1.543	1.324	1.247	1.221		1.429	13.00
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.529	0.534	0.513	0.453	0.430	0.424	0.404	0.470	11.63
23) S	Nitrobenzene-d5	0.389	0.400	0.395	0.364	0.354	0.355	0.345	0.372	5.98
24)	Nitrobenzene	0.402	0.415	0.409	0.372	0.366	0.359	0.356	0.383	6.50
25)	Isophorone	0.667	0.697	0.685	0.637	0.627	0.632	0.624	0.653	4.55
26) C	2-Nitrophenol	0.176	0.191	0.195	0.186	0.183	0.182	0.180	0.185	3.55
27)	2,4-Dimethylph...	0.282	0.294	0.297	0.276	0.269	0.267	0.259	0.278	5.04
28)	bis(2-Chloroet...	0.401	0.413	0.399	0.366	0.361	0.359	0.347	0.378	6.82
29) C	2,4-Dichloroph...	0.294	0.313	0.309	0.286	0.278	0.275	0.268	0.289	5.88
30)	1,2,4-Trichlor...	0.326	0.331	0.322	0.293	0.282	0.281	0.268	0.300	8.45
31)	Naphthalene	1.146	1.143	1.123	0.993	0.954	0.939	0.883	1.026	10.67
32)	Benzoic acid		0.161	0.186	0.209	0.214	0.222	0.227	0.203	12.19
33)	4-Chloroaniline	0.449	0.462	0.451	0.409	0.397	0.393	0.368	0.418	8.53
34) C	Hexachlorobuta...	0.182	0.187	0.184	0.169	0.163	0.161	0.155	0.172	7.33
35)	Caprolactam	0.087	0.094	0.095	0.090	0.092	0.093	0.093	0.092	3.13
36) C	4-Chloro-3-met...	0.318	0.326	0.326	0.303	0.295	0.294	0.287	0.307	5.24
37)	2-Methylnaphth...	0.731	0.750	0.719	0.652	0.616	0.609	0.577	0.665	10.30
38)	1-Methylnaphth...	0.715	0.720	0.702	0.625	0.601	0.585	0.554	0.643	10.62

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.563	0.585	0.562	0.509	0.496	0.487	0.474	0.525	8.32
41) P	Hexachlorocycl...	0.165	0.207	0.238	0.246	0.250	0.255	0.258	0.231	14.63
42) S	2,4,6-Tribromo...	0.201	0.210	0.200	0.187	0.183	0.185	0.184	0.193	5.45
43) C	2,4,6-Trichlor...	0.396	0.412	0.408	0.373	0.368	0.369	0.360	0.384	5.48
44)	2,4,5-Trichlor...	0.430	0.448	0.444	0.409	0.399	0.396	0.387	0.416	5.91
45) S	2-Fluorobiphenyl	1.483	1.457	1.334	1.134	1.092			1.300	13.88
46)	1,1'-Biphenyl	1.666	1.680	1.603	1.433	1.361	1.320	1.283	1.478	11.41
47)	2-Chloronaphth...	1.308	1.337	1.271	1.149	1.106	1.072	1.044	1.184	10.11
48)	2-Nitroaniline	0.386	0.417	0.414	0.400	0.394	0.388	0.384	0.398	3.33
49)	Acenaphthylene	2.009	2.039	1.977	1.759	1.710	1.654	1.576	1.818	10.32
50)	Dimethylphthalate	1.472	1.499	1.440	1.326	1.299	1.303	1.279	1.374	6.76
51)	2,6-Dinitrotol...	0.309	0.327	0.324	0.304	0.300	0.299	0.291	0.308	4.36
52) C	Acenaphthene	1.293	1.304	1.258	1.136	1.105	1.096	1.067	1.180	8.59
53)	3-Nitroaniline	0.371	0.389	0.384	0.363	0.353	0.352	0.351	0.366	4.30
54) P	2,4-Dinitrophenol		0.120	0.147	0.157	0.164	0.170	0.176	0.156	12.80
55)	Dibenzofuran	1.866	1.860	1.767	1.590	1.525	1.474	1.394	1.639	11.65
56) P	4-Nitrophenol	0.241	0.264	0.281	0.272	0.270	0.273	0.269	0.267	4.65
57)	2,4-Dinitrotol...	0.396	0.426	0.428	0.404	0.401	0.394	0.374	0.403	4.66
58)	Fluorene	1.499	1.520	1.424	1.250	1.188	1.165	1.114	1.309	12.89
59)	2,3,4,6-Tetrac...	0.324	0.343	0.346	0.313	0.313	0.311	0.297	0.321	5.59
60)	Diethylphthalate	1.429	1.457	1.410	1.288	1.245	1.226	1.198	1.322	8.10
61)	4-Chlorophenyl...	0.647	0.656	0.616	0.546	0.531	0.516	0.495	0.572	11.50
62)	4-Nitroaniline	0.349	0.381	0.380	0.357	0.357	0.357	0.351	0.362	3.64
63)	Azobenzene	1.483	1.532	1.456	1.325	1.291	1.263	1.224	1.368	8.83
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.093	0.114	0.130	0.131	0.131	0.133	0.130	0.123	11.85
66) c	n-Nitrosodiphe...	0.714	0.742	0.705	0.646	0.628	0.612	0.581	0.661	9.07
67)	4-Bromophenyl-...	0.229	0.236	0.230	0.212	0.207	0.203	0.194	0.216	7.36
68)	Hexachlorobenzene	0.254	0.260	0.250	0.228	0.225	0.221	0.216	0.236	7.54
69)	Atrazine	0.210	0.221	0.216	0.200	0.195	0.191	0.183	0.202	6.89
70) C	Pentachlorophenol	0.107	0.131	0.136	0.135	0.134	0.136	0.132	0.130	7.97
71)	Phenanthrene	1.255	1.255	1.178	1.064	1.017	0.987	0.927	1.098	12.05
72)	Anthracene	1.219	1.256	1.183	1.051	1.009	0.980	0.915	1.088	12.10
73)	Carbazole	1.123	1.149	1.098	0.988	0.950	0.925	0.870	1.015	10.68
74)	Di-n-butylphth...	1.297	1.326	1.269	1.142	1.103	1.077	0.992	1.172	10.77
75) C	Fluoranthene	1.272	1.294	1.207	1.088	1.037	0.991	0.942	1.119	12.50
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.803	0.804	0.866	0.825	0.790	0.783	0.709	0.797	5.99
78)	Pyrene	1.672	1.740	1.777	1.702	1.704	1.684	1.696	1.711	2.11
79) S	Terphenyl-d14	1.118	1.154	1.126	1.034	1.045	1.020	1.021	1.074	5.26
80)	Butylbenzylpht...	0.642	0.692	0.719	0.706	0.706	0.710	0.711	0.698	3.73
81)	Benzo(a)anthra...	1.455	1.465	1.436	1.355	1.323	1.314	1.293	1.377	5.28
82)	3,3'-Dichlorob...	0.458	0.484	0.484	0.456	0.438	0.431	0.413	0.452	5.94
83)	Chrysene	1.402	1.432	1.373	1.259	1.224	1.216	1.193	1.300	7.64
84)	Bis(2-ethylhex...	0.828	0.889	0.892	0.848	0.844	0.867	0.833	0.857	3.01
85) c	Di-n-octyl pht...	1.190	1.285	1.255	1.214	1.195	1.232	1.215	1.227	2.76

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.166	1.249	1.280	1.411	1.443	1.518	1.530	1.371	10.28	
88)	Benzo(b)fluora...	1.333	1.440	1.393	1.324	1.326	1.296	1.206	1.331	5.55	
89)	Benzo(k)fluora...	1.403	1.429	1.449	1.230	1.157	1.208	1.172	1.293	9.95	
90) C	Benzo(a)pyrene	1.099	1.145	1.116	1.053	1.042	1.058	1.027	1.077	4.02	
91)	Dibenzo(a,h)an...	0.937	1.030	1.040	1.143	1.154	1.217	1.216	1.105	9.54	
92)	Benzo(g,h,i)pe...	0.927	1.015	1.042	1.204	1.240	1.292	1.319	1.148	13.27	

(#) = Out of Range