

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF072522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jul 25 17:24:17 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF129330.D 10 =BF129331.D 20 =BF129332.D 40 =BF129333.D 50 =BF129334.D 60 =BF129335.D 80 =BF129336.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.580	0.576	0.587	0.552	0.536	0.530	0.516	0.554	5.03
3)	Pyridine	1.490	1.617	1.615	1.568	1.477	1.526	1.476	1.538	4.02
4)	n-Nitrosodimet...	0.702	0.696	0.705	0.678	0.651	0.656	0.642	0.676	3.87
5) S	2-Fluorophenol	1.402	1.401	1.336	1.198	1.130	1.099	1.029	1.228	12.38
6)	Aniline	2.033	2.105	2.052	1.901	1.826	1.790	1.722	1.918	7.66
7) S	Phenol-d6	1.739	1.744	1.663	1.506	1.435	1.387	1.328	1.543	11.12
8)	2-Chlorophenol	1.485	1.519	1.460	1.331	1.241	1.208	1.145	1.341	11.09
9)	Benzaldehyde	1.196	1.194	1.132	0.979	0.911	0.876		1.048	13.73
10) C	Phenol	1.817	1.849	1.806	1.603	1.559	1.480	1.390	1.643	11.06
11)	bis(2-Chloroet...	1.413	1.434	1.393	1.281	1.247	1.201	1.153	1.303	8.50
12)	1,3-Dichlorobe...	1.586	1.630	1.571	1.411	1.345	1.299	1.229	1.439	10.96
13) C	1,4-Dichlorobe...	1.612	1.685	1.594	1.435	1.366	1.311	1.239	1.463	11.57
14)	1,2-Dichlorobe...	1.535	1.561	1.481	1.335	1.229	1.177	1.095	1.345	13.77
15)	Benzyl Alcohol	1.171	1.249	1.222	1.123	1.077	1.026	0.967	1.119	9.21
16)	2,2'-oxybis(1-...	2.117	2.227	2.090	1.939	1.847	1.803	1.691	1.959	9.83
17)	2-Methylphenol	1.229	1.233	1.190	1.086	1.045	1.029	0.977	1.113	9.33
18)	Hexachloroethane	0.593	0.602	0.598	0.543	0.525	0.509	0.487	0.551	8.53
19) P	n-Nitroso-di-n...	1.076	1.063	1.006	0.900	0.847	0.841	0.807	0.934	12.00
20)	3+4-Methylphenols	1.590	1.619	1.520	1.330	1.242	1.188		1.415	13.11
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.535	0.540	0.506	0.442	0.424	0.417	0.395	0.466	12.89
23) S	Nitrobenzene-d5	0.383	0.400	0.384	0.359	0.350	0.350	0.337	0.366	6.28
24)	Nitrobenzene	0.394	0.408	0.400	0.374	0.358	0.364	0.342	0.377	6.39
25)	Isophorone	0.677	0.699	0.679	0.634	0.632	0.644	0.633	0.657	4.19
26) C	2-Nitrophenol	0.177	0.195	0.192	0.186	0.185	0.187	0.181	0.186	3.39
27)	2,4-Dimethylph...	0.286	0.298	0.293	0.272	0.268	0.273	0.264	0.279	4.74
28)	bis(2-Chloroet...	0.403	0.417	0.397	0.369	0.364	0.364	0.352	0.381	6.46
29) C	2,4-Dichloroph...	0.296	0.309	0.304	0.286	0.277	0.279	0.267	0.288	5.26
30)	1,2,4-Trichlor...	0.322	0.328	0.316	0.291	0.284	0.279	0.268	0.298	7.88
31)	Naphthalene	1.147	1.161	1.096	0.983	0.948	0.919	0.858	1.016	11.69
32)	Benzoic acid		0.160	0.184	0.208	0.211	0.222	0.226	0.202	12.54
33)	4-Chloroaniline	0.446	0.465	0.445	0.404	0.394	0.394	0.372	0.417	8.26
34) C	Hexachlorobuta...	0.180	0.186	0.181	0.165	0.161	0.161	0.154	0.170	7.29
35)	Caprolactam	0.094	0.098	0.093	0.092	0.091	0.095	0.093	0.094	2.43
36) C	4-Chloro-3-met...	0.318	0.327	0.318	0.299	0.294	0.297	0.288	0.306	4.88
37)	2-Methylnaphth...	0.744	0.747	0.712	0.639	0.609	0.605	0.568	0.660	11.03
38)	1-Methylnaphth...	0.714	0.731	0.687	0.609	0.590	0.581	0.549	0.637	11.30

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.573	0.584	0.565	0.511	0.502	0.478	0.463	0.525	9.21
41) P	Hexachlorocycl...	0.171	0.213	0.238	0.252	0.255	0.255	0.253	0.234	13.57
42) S	2,4,6-Tribromo...	0.212	0.205	0.205	0.189	0.181	0.182	0.173	0.192	7.64
43) C	2,4,6-Trichlor...	0.394	0.409	0.397	0.381	0.371	0.366	0.351	0.381	5.24
44)	2,4,5-Trichlor...	0.434	0.444	0.443	0.408	0.397	0.394	0.383	0.415	6.11
45) S	2-Fluorobiphenyl	1.479	1.447	1.336	1.138	1.064			1.293	14.28
46)	1,1'-Biphenyl	1.633	1.684	1.586	1.430	1.356	1.297	1.231	1.460	12.07
47)	2-Chloronaphth...	1.315	1.344	1.252	1.151	1.110	1.079	1.009	1.180	10.68
48)	2-Nitroaniline	0.386	0.413	0.412	0.395	0.383	0.385	0.372	0.392	3.94
49)	Acenaphthylene	2.003	2.063	1.947	1.740	1.677	1.619	1.501	1.793	11.88
50)	Dimethylphthalate	1.512	1.514	1.462	1.345	1.301	1.285	1.245	1.381	8.20
51)	2,6-Dinitrotol...	0.313	0.332	0.324	0.307	0.302	0.299	0.285	0.309	5.08
52) C	Acenaphthene	1.300	1.289	1.258	1.159	1.104	1.071	1.017	1.171	9.65
53)	3-Nitroaniline	0.367	0.391	0.382	0.368	0.360	0.348	0.339	0.365	4.96
54) P	2,4-Dinitrophenol		0.124	0.153	0.166	0.164	0.172	0.167	0.158	11.22
55)	Dibenzofuran	1.851	1.858	1.760	1.578	1.499	1.427	1.326	1.614	13.13
56) P	4-Nitrophenol	0.256	0.279	0.279	0.273	0.270	0.269	0.259	0.269	3.33
57)	2,4-Dinitrotol...	0.409	0.431	0.429	0.413	0.396	0.388	0.360	0.404	6.14
58)	Fluorene	1.514	1.508	1.415	1.234	1.173	1.135	1.062	1.292	14.35
59)	2,3,4,6-Tetrac...	0.340	0.340	0.333	0.323	0.308	0.307	0.293	0.321	5.68
60)	Diethylphthalate	1.469	1.497	1.432	1.307	1.252	1.233	1.153	1.335	9.89
61)	4-Chlorophenyl...	0.659	0.661	0.618	0.548	0.520	0.506	0.474	0.569	13.40
62)	4-Nitroaniline	0.373	0.377	0.376	0.359	0.351	0.356	0.342	0.362	3.80
63)	Azobenzene	1.498	1.515	1.452	1.339	1.279	1.265	1.182	1.361	9.45
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.101	0.124	0.132	0.134	0.131	0.132	0.130	0.126	9.04
66) c	n-Nitrosodiphe...	0.746	0.749	0.716	0.650	0.613	0.610	0.578	0.666	10.54
67)	4-Bromophenyl-...	0.231	0.243	0.234	0.215	0.205	0.205	0.200	0.219	7.70
68)	Hexachlorobenzene	0.256	0.261	0.249	0.233	0.225	0.222	0.215	0.237	7.54
69)	Atrazine	0.221	0.220	0.216	0.199	0.189	0.191	0.181	0.202	8.05
70) C	Pentachlorophenol	0.115	0.125	0.133	0.135	0.130	0.133	0.131	0.129	5.45
71)	Phenanthrene	1.253	1.269	1.192	1.057	0.990	0.971	0.910	1.092	13.30
72)	Anthracene	1.226	1.245	1.173	1.029	0.983	0.963	0.891	1.073	13.07
73)	Carbazole	1.134	1.163	1.088	0.980	0.932	0.915	0.858	1.010	11.72
74)	Di-n-butylphth...	1.353	1.366	1.323	1.165	1.109	1.082	1.022	1.203	11.81
75) C	Fluoranthene	1.286	1.287	1.207	1.071	1.001	0.983	0.908	1.106	13.92
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.735	0.725	0.755	0.741	0.693	0.692	0.605	0.707	7.18
78)	Pyrene	1.648	1.704	1.693	1.672	1.621	1.676	1.693	1.672	1.75
79) S	Terphenyl-d14	1.136	1.123	1.083	1.034	1.005	1.026	1.013	1.060	5.07
80)	Butylbenzylpht...	0.682	0.714	0.731	0.743	0.726	0.743	0.739	0.725	3.00
81)	Benzo(a)anthra...	1.459	1.463	1.417	1.346	1.285	1.316	1.278	1.366	5.82
82)	3,3'-Dichlorob...	0.487	0.495	0.487	0.452	0.418	0.416	0.402	0.451	8.74
83)	Chrysene	1.417	1.412	1.355	1.252	1.181	1.212	1.183	1.288	8.14
84)	Bis(2-ethylhex...	0.958	0.991	0.990	0.952	0.931	0.944	0.920	0.955	2.85
85) c	Di-n-octyl pht...	1.411	1.452	1.460	1.353	1.298	1.329	1.317	1.374	4.82

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.185	1.171	1.227	1.456	1.438	1.475	1.476	1.347	10.69	
88)	Benzo(b)fluora...	1.388	1.389	1.510	1.274	1.246	1.229	1.251	1.327	7.90	
89)	Benzo(k)fluora...	1.354	1.447	1.370	1.313	1.256	1.244	1.118	1.300	8.19	
90) C	Benzo(a)pyrene	1.099	1.120	1.117	1.072	1.053	1.058	1.020	1.077	3.41	
91)	Dibenzo(a,h)an...	0.973	0.966	1.012	1.191	1.165	1.187	1.178	1.096	9.70	
92)	Benzo(g,h,i)pe...	0.938	0.938	1.002	1.241	1.212	1.247	1.262	1.120	13.62	

(#) = Out of Range