

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF081422.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Aug 15 02:28:31 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF129761.D 10 =BF129762.D 20 =BF129763.D 40 =BF129764.D 50 =BF129765.D 60 =BF129766.D 80 =BF129767.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.530	0.525	0.524	0.468	0.482	0.491	0.469	0.498	5.48
3)	Pyridine	1.196	1.381	1.402	1.227	1.278	1.366	1.279	1.304	6.15
4)	n-Nitrosodimet...	0.611	0.611	0.607	0.583	0.602	0.609	0.585	0.601	2.06
5) S	2-Fluorophenol	1.334	1.333	1.292	1.114	1.163	1.155	1.064	1.208	9.14
6)	Aniline	1.899	1.948	1.843	1.584	1.652	1.638	1.505	1.724	9.91
7) S	Phenol-d6	1.699	1.697	1.609	1.387	1.439	1.433	1.326	1.513	10.11
8)	2-Chlorophenol	1.479	1.476	1.429	1.250	1.293	1.289	1.196	1.345	8.55
9)	Benzaldehyde		1.103	0.999	0.809	0.812	0.742		0.893	16.95
10) C	Phenol	1.804	1.876	1.782	1.526	1.601	1.572	1.455	1.659	9.64
11)	bis(2-Chloroet...	1.322	1.388	1.323	1.177	1.229	1.221	1.161	1.260	6.75
12)	1,3-Dichlorobe...	1.583	1.583	1.529	1.346	1.408	1.399	1.313	1.452	7.73
13) C	1,4-Dichlorobe...	1.623	1.661	1.572	1.361	1.428	1.418	1.321	1.483	9.03
14)	1,2-Dichlorobe...	1.528	1.563	1.460	1.269	1.319	1.299	1.207	1.378	10.03
15)	Benzyl Alcohol	1.228	1.289	1.231	1.051	1.100	1.098	0.997	1.142	9.46
16)	2,2'-oxybis(1-...	1.856	1.936	1.807	1.568	1.614	1.584	1.453	1.688	10.53
17)	2-Methylphenol	1.183	1.198	1.140	0.992	1.042	1.039	0.965	1.080	8.64
18)	Hexachloroethane	0.601	0.596	0.583	0.515	0.541	0.550	0.513	0.557	6.60
19) P	n-Nitroso-di-n...	1.021	1.072	1.019	0.897	0.930	0.917	0.837	0.956	8.69
20)	3+4-Methylphenols	1.606	1.652	1.565	1.342	1.397	1.353	1.232	1.449	10.91
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.520	0.522	0.511	0.445	0.474	0.470	0.469	0.487	6.21
23) S	Nitrobenzene-d5	0.384	0.393	0.390	0.344	0.367	0.369	0.368	0.374	4.54
24)	Nitrobenzene	0.397	0.399	0.389	0.348	0.366	0.370	0.368	0.377	4.98
25)	Isophorone	0.659	0.674	0.664	0.595	0.634	0.636	0.639	0.643	4.05
26) C	2-Nitrophenol	0.178	0.192	0.193	0.174	0.187	0.187	0.186	0.185	3.75
27)	2,4-Dimethylph...	0.275	0.284	0.275	0.248	0.262	0.259	0.259	0.266	4.66
28)	bis(2-Chloroet...	0.389	0.393	0.391	0.354	0.362	0.373	0.367	0.375	4.16
29) C	2,4-Dichloroph...	0.294	0.304	0.306	0.273	0.285	0.290	0.283	0.291	4.09
30)	1,2,4-Trichlor...	0.323	0.326	0.321	0.282	0.297	0.298	0.298	0.307	5.50
31)	Naphthalene	1.123	1.131	1.117	0.955	1.007	1.000	0.987	1.046	7.17
32)	Benzoic acid		0.078	0.093	0.109	0.121	0.132	0.145	0.113	22.06
33)	4-Chloroaniline	0.429	0.441	0.435	0.381	0.406	0.397	0.390	0.411	5.70
34) C	Hexachlorobuta...	0.193	0.193	0.195	0.174	0.185	0.185	0.182	0.187	3.98
35)	Caprolactam	0.092	0.093	0.095	0.084	0.089	0.090	0.090	0.090	3.74
36) C	4-Chloro-3-met...	0.322	0.332	0.327	0.289	0.307	0.311	0.307	0.313	4.66
37)	2-Methylnaphth...	0.721	0.741	0.722	0.634	0.676	0.662	0.650	0.686	6.00
38)	1-Methylnaphth...	0.717	0.728	0.704	0.610	0.644	0.639	0.628	0.667	7.15

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.579	0.596	0.585	0.512	0.536	0.551	0.535	0.556	5.55
41) P	Hexachlorocycl...	0.040	0.079	0.119	0.129	0.158	0.179	0.117		43.53
42) S	2,4,6-Tribromo...	0.208	0.209	0.211	0.188	0.195	0.197	0.198	0.201	4.33
43) C	2,4,6-Trichlor...	0.357	0.373	0.377	0.339	0.357	0.368	0.358	0.361	3.55
44)	2,4,5-Trichlor...	0.380	0.395	0.408	0.370	0.385	0.398	0.385	0.389	3.25
45) S	2-Fluorobiphenyl	1.453	1.485	1.424	1.198	1.243	1.234	1.181	1.317	9.98
46)	1,1'-Biphenyl	1.639	1.655	1.622	1.398	1.445	1.456	1.421	1.519	7.46
47)	2-Chloronaphth...	1.274	1.305	1.280	1.101	1.163	1.156	1.137	1.202	6.78
48)	2-Nitroaniline	0.378	0.398	0.403	0.357	0.375	0.376	0.372	0.380	4.12
49)	Acenaphthylene	1.961	1.996	1.976	1.680	1.743	1.735	1.669	1.823	8.09
50)	Dimethylphthalate	1.525	1.551	1.508	1.319	1.372	1.392	1.368	1.434	6.40
51)	2,6-Dinitrotol...	0.314	0.330	0.333	0.293	0.309	0.302	0.296	0.311	5.08
52) C	Acenaphthene	1.182	1.212	1.173	1.019	1.059	1.063	1.034	1.106	7.20
53)	3-Nitroaniline	0.355	0.368	0.364	0.321	0.336	0.334	0.328	0.344	5.34
54) P	2,4-Dinitrophenol	0.084	0.111	0.122	0.130	0.143		0.118		18.98
55)	Dibenzofuran	1.831	1.851	1.800	1.501	1.580	1.568	1.500	1.662	9.54
56) P	4-Nitrophenol	0.110	0.140	0.160	0.152	0.162	0.176	0.172	0.153	14.73
57)	2,4-Dinitrotol...	0.428	0.439	0.442	0.365	0.395	0.388	0.369	0.404	8.00
58)	Fluorene	1.530	1.540	1.492	1.256	1.315	1.317	1.263	1.387	9.20
59)	2,3,4,6-Tetrac...	0.264	0.281	0.297	0.276	0.286	0.295	0.298	0.285	4.41
60)	Diethylphthalate	1.543	1.570	1.546	1.305	1.374	1.365	1.304	1.430	8.30
61)	4-Chlorophenyl...	0.664	0.687	0.661	0.570	0.595	0.600	0.582	0.623	7.48
62)	4-Nitroaniline	0.358	0.372	0.374	0.319	0.345	0.337	0.324	0.347	6.31
63)	Azobenzene	1.435	1.493	1.461	1.255	1.323	1.317	1.282	1.366	6.93
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.088	0.109	0.122	0.119	0.123	0.132	0.130	0.117	12.80
66) c	n-Nitrosodiphe...	0.694	0.726	0.712	0.619	0.648	0.673	0.652	0.675	5.67
67)	4-Bromophenyl-...	0.237	0.248	0.243	0.217	0.228	0.238	0.231	0.234	4.40
68)	Hexachlorobenzene	0.258	0.265	0.269	0.234	0.246	0.255	0.248	0.254	4.73
69)	Atrazine	0.222	0.225	0.221	0.188	0.200	0.202	0.192	0.207	7.36
70) C	Pentachlorophenol	0.049	0.060	0.066	0.070	0.078		0.065		16.99
71)	Phenanthrene	1.196	1.220	1.182	1.020	1.078	1.086	1.036	1.117	7.26
72)	Anthracene	1.194	1.211	1.185	1.018	1.065	1.088	1.015	1.111	7.59
73)	Carbazole	1.104	1.105	1.086	0.910	0.977	0.965	0.911	1.008	8.73
74)	Di-n-butylphth...	1.397	1.424	1.403	1.179	1.257	1.252	1.173	1.298	8.35
75) C	Fluoranthene	1.273	1.281	1.246	1.026	1.105	1.066	1.004	1.143	10.55
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.653	0.567	0.483	0.483	0.461		0.529		15.18
78)	Pyrene	1.622	1.724	1.747	1.706	1.702	1.855	1.810	1.738	4.40
79) S	Terphenyl-d14	1.168	1.235	1.218	1.161	1.154	1.266	1.211	1.202	3.52
80)	Butylbenzylpht...	0.715	0.741	0.757	0.700	0.739	0.757	0.739	0.735	2.87
81)	Benzo(a)anthra...	1.431	1.456	1.429	1.267	1.338	1.362	1.347	1.376	4.85
82)	3,3'-Dichlorob...	0.481	0.489	0.465	0.382	0.399	0.396	0.371	0.426	11.79
83)	Chrysene	1.360	1.374	1.330	1.179	1.261	1.262	1.249	1.288	5.41
84)	Bis(2-ethylhex...	0.888	0.925	0.897	0.797	0.864	0.875	0.862	0.873	4.53
85) c	Di-n-octyl pht...	1.213	1.213	1.170	1.087	1.161	1.268	1.319	1.204	6.29

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.118	1.230	1.342	1.389	1.401	1.555	1.577	1.373	11.98	
88)	Benzo(b)fluora...	1.444	1.486	1.451	1.285	1.372	1.315	1.234	1.370	6.95	
89)	Benzo(k)fluora...	1.393	1.437	1.440	1.141	1.261	1.266	1.257	1.313	8.53	
90) C	Benzo(a)pyrene	1.116	1.135	1.122	0.993	1.047	1.082	1.054	1.078	4.70	
91)	Dibenzo(a,h)an...	0.908	0.997	1.124	1.161	1.163	1.278	1.300	1.133	12.48	
92)	Benzo(g,h,i)pe...	0.856	0.985	1.105	1.163	1.175	1.303	1.325	1.130	14.78	

(#) = Out of Range