

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081721.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 17 16:45:36 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF125066.D 10 =BF125067.D 20 =BF125068.D 40 =BF125069.D 50 =BF125070.D 60 =BF125071.D 80 =BF125072.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.744	0.792	0.710	0.702	0.623	0.607	0.578	0.680	11.55
3)	Pyridine	1.931	2.116	1.911	1.916	1.707	1.698	1.632	1.844	9.30
4)	n-Nitrosodimet...	1.041	1.106	1.014	1.035	0.930	0.922	0.876	0.989	8.24
5) S	2-Fluorophenol	1.603	1.697	1.426	1.336	1.179	1.109	1.021	1.339	18.92
6)	Aniline	2.334	2.396	2.159	2.150	1.899	1.860	1.757	2.079	11.79
7) S	Phenol-d6	2.006	2.030	1.748	1.647	1.437	1.381	1.277	1.647	18.18
8)	2-Chlorophenol	1.582	1.667	1.438	1.365	1.188	1.133	1.008	1.340	18.07
9)	Benzaldehyde	1.457	1.500	1.324	1.202	1.035	0.956		1.246	17.80
10) C	Phenol	2.159	2.229	1.889	1.806	1.520	1.442		1.841	17.49
11)	bis(2-Chloroet...	1.697	1.711	1.501	1.414	1.238	1.165	1.091	1.402	17.77
12)	1,3-Dichlorobe...	1.709	1.782	1.523	1.438	1.244	1.200	1.102	1.428	18.20
13) C	1,4-Dichlorobe...	1.696	1.792	1.505	1.448	1.279	1.200	1.096	1.431	17.93
14)	1,2-Dichlorobe...	1.620	1.674	1.431	1.316	1.148	1.077		1.378	17.67
15)	Benzyl Alcohol	1.495	1.571	1.454	1.412	1.226	1.172	1.072	1.343	13.88
16)	2,2'-oxybis(1-...	3.653	3.754	3.302	3.213	2.803	2.710	2.471	3.129	15.53
17)	2-Methylphenol	1.373	1.423	1.282	1.227	1.080	1.050	0.978	1.202	14.15
18)	Hexachloroethane	0.624	0.634	0.558	0.561	0.489	0.471	0.437	0.539	14.10
19) P	n-Nitroso-di-n...	1.290	1.258	1.144	1.081	0.928	0.918	0.864	1.069	15.97
20)	3+4-Methylphenols	1.811	1.830	1.624	1.490	1.264	1.180		1.533	17.82
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.627	0.661	0.542	0.516	0.448	0.438	0.399	0.519	19.02
23) S	Nitrobenzene-d5	0.332	0.398	0.384	0.387	0.349	0.351	0.330	0.361	7.68
24)	Nitrobenzene	0.405	0.458	0.433	0.432	0.388	0.386	0.357	0.408	8.52
25)	Isophorone	0.873	0.891	0.806	0.805	0.712	0.722	0.698	0.787	9.92
26) C	2-Nitrophenol	0.105	0.137	0.150	0.174	0.158	0.164	0.161	0.150	15.34
27)	2,4-Dimethylph...	0.315	0.360	0.317	0.314	0.276	0.276	0.260	0.303	11.24
28)	bis(2-Chloroet...	0.482	0.511	0.443	0.422	0.372	0.372	0.344	0.421	14.70
29) C	2,4-Dichloroph...	0.297	0.324	0.290	0.294	0.260	0.261	0.240	0.281	10.07
30)	1,2,4-Trichlor...	0.333	0.353	0.311	0.303	0.269	0.265	0.243	0.297	13.34
31)	Naphthalene	1.210	1.246	1.069	1.002	0.875	0.852	0.775	1.004	18.05
32)	Benzoic acid		0.136	0.185	0.209	0.213	0.229	0.238	0.202	18.42
33)	4-Chloroaniline	0.460	0.479	0.432	0.416	0.365	0.354	0.340	0.407	13.33
34) C	Hexachlorobuta...	0.186	0.201	0.174	0.172	0.153	0.152	0.142	0.169	12.37
35)	Caprolactam	0.083	0.085	0.100	0.100	0.089	0.093	0.089	0.091	7.30
36) C	4-Chloro-3-met...	0.348	0.362	0.348	0.341	0.304	0.307	0.288	0.328	8.58
37)	2-Methylnaphth...	0.757	0.789	0.708	0.667	0.586	0.572	0.520	0.657	15.35
38)	1-Methylnaphth...	0.715	0.747	0.674	0.638	0.545	0.539	0.493	0.622	15.67

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.635	0.722	0.578	0.559	0.513	0.492	0.447	0.564	16.46
41) P	Hexachlorocycl...	0.250	0.320	0.289	0.297	0.271	0.275	0.260	0.280	8.50
42) S	2,4,6-Tribromo...	0.163	0.185	0.203	0.204	0.185	0.189	0.178	0.187	7.48
43) C	2,4,6-Trichlor...	0.396	0.473	0.431	0.421	0.386	0.381	0.353	0.406	9.70
44)	2,4,5-Trichlor...	0.439	0.499	0.460	0.450	0.401	0.397	0.377	0.432	9.80
45) S	2-Fluorobiphenyl	1.741	1.855	1.449	1.310	1.148		1.501		19.64
46)	1,1'-Biphenyl	1.993	2.105	1.799	1.674	1.475	1.418	1.269	1.676	18.42
47)	2-Chloronaphth...	1.506	1.631	1.369	1.269	1.118	1.089	0.992	1.282	18.23
48)	2-Nitroaniline	0.295	0.368	0.444	0.473	0.441	0.442	0.427	0.413	14.77
49)	Acenaphthylene	2.411	2.567	2.228	2.063	1.857	1.802	1.593	2.074	16.85
50)	Dimethylphthalate	1.525	1.597	1.503	1.408	1.253	1.232	1.120	1.377	12.92
51)	2,6-Dinitrotol...	0.208	0.262	0.292	0.313	0.283	0.284	0.267	0.273	12.10
52) C	Acenaphthene	1.432	1.531	1.334	1.259	1.138	1.109	1.017	1.260	14.69
53)	3-Nitroaniline	0.264	0.323	0.367	0.388	0.352	0.354	0.333	0.340	11.64
54) P	2,4-Dinitrophenol		0.060	0.094	0.120	0.121	0.132	0.135	0.110	25.92
55)	Dibenzofuran	2.139	2.298	1.989	1.853	1.648	1.573	1.414	1.845	17.29
56) P	4-Nitrophenol	0.196	0.242	0.307	0.319	0.292	0.291	0.277	0.275	15.44
57)	2,4-Dinitrotol...	0.201	0.281	0.353	0.392	0.354	0.362	0.331	0.325	19.85
58)	Fluorene	1.583	1.681	1.442	1.325	1.177	1.147	1.039	1.342	17.75
59)	2,3,4,6-Tetrac...	0.297	0.330	0.339	0.334	0.304	0.306	0.278	0.313	7.20
60)	Diethylphthalate	1.629	1.650	1.616	1.517	1.357	1.328	1.187	1.469	12.24
61)	4-Chlorophenyl...	0.724	0.744	0.656	0.608	0.540	0.513	0.471	0.608	17.35
62)	4-Nitroaniline	0.238	0.267	0.331	0.359	0.322	0.332	0.308	0.308	13.56
63)	Azobenzene	1.910	1.950	1.822	1.705	1.516	1.464	1.312	1.668	14.56
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.051	0.077	0.099	0.094	0.100	0.101	0.087	22.91
66) c	n-Nitrosodiphe...	0.855	0.895	0.725	0.718	0.623	0.604	0.576	0.713	17.39
67)	4-Bromophenyl-...	0.229	0.257	0.215	0.219	0.190	0.186	0.180	0.211	13.07
68)	Hexachlorobenzene	0.255	0.272	0.234	0.239	0.209	0.210	0.203	0.232	11.16
69)	Atrazine	0.209	0.216	0.193	0.194	0.169	0.171	0.163	0.188	11.01
70) C	Pentachlorophenol	0.113	0.134	0.141	0.153	0.137	0.139	0.132	0.135	9.04
71)	Phenanthrene	1.251	1.306	1.128	1.091	0.949	0.922	0.856	1.072	15.90
72)	Anthracene	1.227	1.311	1.124	1.096	0.948	0.922	0.844	1.068	15.96
73)	Carbazole	1.281	1.332	1.175	1.131	0.975	0.953	0.890	1.105	15.42
74)	Di-n-butylphth...	1.379	1.457	1.340	1.304	1.116	1.092	1.014	1.243	13.49
75) C	Fluoranthene	1.150	1.196	1.167	1.136	0.969	0.954	0.896	1.067	11.47
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	1.116	0.978	0.774	0.860	0.732	0.698		0.860	18.71
78)	Pyrene	2.465	2.517	1.927	1.927	1.766	1.742	1.678	2.003	17.27
79) S	Terphenyl-d14	1.672	1.689	1.237	1.230	1.117			1.389	19.47
80)	Butylbenzylpht...	0.823	0.904	0.813	0.843	0.771	0.758	0.733	0.806	7.21
81)	Benzo(a)anthra...	1.283	1.429	1.312	1.344	1.217	1.190	1.122	1.271	8.12
82)	3,3'-Dichlorob...	0.471	0.518	0.441	0.435	0.392	0.386	0.343	0.427	13.69
83)	Chrysene	1.332	1.519	1.329	1.329	1.203	1.201	1.118	1.290	10.13
84)	Bis(2-ethylhex...	0.942	1.074	0.982	1.015	0.922	0.910	0.856	0.957	7.58
85) c	Di-n-octyl pht...	0.999	1.251	1.436	1.627	1.488	1.496	1.407	1.386	14.75

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		-----ISTD-----									
86)	I	Perylene-d12									
87)		Indeno(1,2,3-c...	0.627	0.702	0.543	0.712	0.880			0.693	17.98
88)		Benzo(b)fluora...	1.344	1.528	1.338	1.482	1.306	1.272	1.232	1.357	8.01
89)		Benzo(k)fluora...	1.319	1.392	1.352	1.354	1.216	1.266	1.094	1.285	8.00
90)	C	Benzo(a)pyrene	1.175	1.145	1.086	1.227	1.111	1.135	1.084	1.137	4.49
91)		Dibenzo(a,h)an...	0.621	0.628	0.517	0.681	0.841			0.658	17.98
92)		Benzo(g,h,i)pe...	0.520	0.552	0.403	0.573	0.712	0.790	0.861	0.630	25.80

(#) = Out of Range