

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF072221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 22 15:28:57 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF124683.D 10 =BF124684.D 20 =BF124685.D 40 =BF124686.D 50 =BF124687.D 60 =BF124688.D 80 =BF124689.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.354	0.387	0.426	0.443	0.445	0.426	0.410	0.413	7.94
3)	Pyridine	0.844	0.888	1.012	1.065	1.080	0.972	0.980	0.977	8.90
4)	n-Nitrosodimet...	0.609	0.722	0.881	0.815	0.852	0.774	0.758	0.773	11.76
5) S	2-Fluorophenol	1.114	1.215	1.283	1.201	1.230	1.118	1.107	1.181	5.82
6)	Aniline	1.479	1.507	1.605	1.538	1.590	1.497	1.437	1.522	3.95
7) S	Phenol-d6	1.452	1.499	1.608	1.508	1.509	1.413	1.379	1.481	5.07
8)	2-Chlorophenol	1.341	1.392	1.399	1.331	1.372	1.265	1.226	1.332	4.89
9)	Benzaldehyde	0.898	0.918	0.863	0.752	0.730	0.622		0.797	14.45
10) C	Phenol	1.399	1.453	1.474	1.397	1.495	1.372	1.337	1.418	4.04
11)	bis(2-Chloroet...	1.061	1.149	1.256	1.116	1.157	1.082	1.050	1.124	6.31
12)	1,3-Dichlorobe...	1.390	1.540	1.521	1.467	1.493	1.371	1.355	1.448	5.20
13) C	1,4-Dichlorobe...	1.315	1.560	1.597	1.473	1.472	1.373	1.351	1.449	7.37
14)	1,2-Dichlorobe...	1.359	1.481	1.537	1.411	1.433	1.319	1.258	1.400	6.84
15)	Benzyl Alcohol	0.855	0.952	1.057	1.001	1.047	0.961	0.942	0.974	7.11
16)	2,2'-oxybis(1-...	1.846	2.015	2.008	1.917	1.900	1.821	1.740	1.892	5.27
17)	2-Methylphenol	0.936	1.002	0.990	0.992	1.022	0.940	0.911	0.971	4.24
18)	Hexachloroethane	0.515	0.551	0.568	0.566	0.585	0.536	0.522	0.549	4.71
19) P	n-Nitroso-di-n...	0.691	0.782	0.864	0.825	0.825	0.785	0.764	0.791	7.01
20)	3+4-Methylphenols	1.243	1.303	1.399	1.300	1.339	1.217	1.176	1.282	5.94
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.471	0.475	0.469	0.463	0.456	0.462	0.447	0.463	2.05
23) S	Nitrobenzene-d5	0.311	0.345	0.362	0.338	0.332	0.332	0.332	0.336	4.63
24)	Nitrobenzene	0.329	0.322	0.352	0.326	0.333	0.324	0.321	0.329	3.22
25)	Isophorone	0.584	0.599	0.636	0.595	0.579	0.587	0.579	0.594	3.34
26) C	2-Nitrophenol	0.165	0.181	0.184	0.191	0.186	0.186	0.185	0.182	4.50
27)	2,4-Dimethylph...	0.236	0.307	0.309	0.280	0.286	0.273	0.275	0.281	8.80
28)	bis(2-Chloroet...	0.331	0.365	0.365	0.340	0.340	0.344	0.332	0.345	4.15
29) C	2,4-Dichloroph...	0.285	0.302	0.324	0.298	0.290	0.300	0.282	0.297	4.78
30)	1,2,4-Trichlor...	0.327	0.330	0.350	0.329	0.319	0.322	0.305	0.326	4.24
31)	Naphthalene	1.048	1.071	1.111	1.040	1.021	1.033	0.982	1.044	3.87
32)	Benzoic acid		0.173	0.211	0.226	0.234	0.225	0.235	0.217	10.63
33)	4-Chloroaniline	0.406	0.378	0.436	0.388	0.383	0.383	0.373	0.392	5.60
34) C	Hexachlorobuta...	0.193	0.203	0.207	0.193	0.189	0.196	0.183	0.195	4.29
35)	Caprolactam	0.079	0.072	0.069	0.076	0.081	0.076	0.088	0.077	8.10
36) C	4-Chloro-3-met...	0.236	0.280	0.294	0.301	0.296	0.291	0.288	0.284	7.84
37)	2-Methylnaphth...	0.694	0.727	0.736	0.697	0.687	0.681	0.660	0.697	3.75
38)	1-Methylnaphth...	0.689	0.702	0.699	0.654	0.623	0.642	0.615	0.661	5.46

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.584	0.584	0.587	0.550	0.532	0.552	0.517	0.558	4.98
41) P	Hexachlorocycl...	0.325	0.338	0.342	0.358	0.333	0.301	0.313	0.330	5.69
42) S	2,4,6-Tribromo...	0.155	0.173	0.181	0.175	0.174	0.178	0.167	0.172	5.04
43) C	2,4,6-Trichlor...	0.390	0.401	0.416	0.402	0.381	0.394	0.389	0.396	2.87
44)	2,4,5-Trichlor...	0.410	0.406	0.417	0.424	0.391	0.401	0.398	0.407	2.81
45) S	2-Fluorobiphenyl	1.382	1.460	1.447	1.357	1.297	1.327	1.262	1.362	5.42
46)	1,1'-Biphenyl	1.506	1.571	1.570	1.483	1.429	1.470	1.421	1.493	4.06
47)	2-Chloronaphth...	1.170	1.245	1.253	1.183	1.134	1.142	1.146	1.182	4.13
48)	2-Nitroaniline	0.277	0.301	0.338	0.318	0.307	0.310	0.316	0.309	5.97
49)	Acenaphthylene	1.808	1.910	1.925	1.827	1.772	1.758	1.757	1.823	3.84
50)	Dimethylphthalate	1.372	1.432	1.438	1.399	1.321	1.353	1.326	1.377	3.44
51)	2,6-Dinitrotol...	0.297	0.313	0.315	0.308	0.303	0.304	0.290	0.304	2.94
52) C	Acenaphthene	1.220	1.218	1.265	1.235	1.189	1.177	1.152	1.208	3.14
53)	3-Nitroaniline	0.321	0.321	0.321	0.336	0.305	0.322	0.315	0.320	2.91
54) P	2,4-Dinitrophenol	0.151	0.181	0.178	0.178	0.183	0.185	0.176		7.08
55)	Dibenzofuran	1.715	1.804	1.835	1.745	1.635	1.719	1.632	1.726	4.46
56) P	4-Nitrophenol	0.231	0.244	0.259	0.262	0.257	0.256	0.261	0.253	4.53
57)	2,4-Dinitrotol...	0.421	0.385	0.448	0.427	0.409	0.405	0.395	0.413	5.11
58)	Fluorene	1.332	1.388	1.425	1.349	1.279	1.286	1.211	1.324	5.44
59)	2,3,4,6-Tetrac...	0.276	0.333	0.339	0.334	0.324	0.333	0.309	0.321	6.87
60)	Diethylphthalate	1.488	1.491	1.474	1.431	1.365	1.410	1.366	1.432	3.79
61)	4-Chlorophenyl...	0.700	0.672	0.673	0.626	0.608	0.614	0.588	0.640	6.48
62)	4-Nitroaniline	0.302	0.333	0.329	0.325	0.315	0.311	0.302	0.317	4.01
63)	Azobenzene	1.252	1.312	1.323	1.270	1.236	1.250	1.225	1.267	2.95
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.115	0.120	0.135	0.136	0.136	0.135	0.130		7.30
66) c	n-Nitrosodiphe...	0.633	0.675	0.667	0.622	0.648	0.663	0.628	0.648	3.23
67)	4-Bromophenyl-...	0.206	0.228	0.216	0.201	0.209	0.214	0.211	0.212	3.95
68)	Hexachlorobenzene	0.221	0.215	0.233	0.209	0.226	0.223	0.215	0.220	3.62
69)	Atrazine	0.201	0.213	0.205	0.188	0.196	0.197	0.179	0.197	5.76
70) C	Pentachlorophenol	0.107	0.129	0.147	0.138	0.146	0.151	0.140	0.137	10.83
71)	Phenanthrene	1.084	1.103	1.134	1.048	1.051	1.080	1.030	1.076	3.34
72)	Anthracene	1.047	1.138	1.123	1.030	1.077	1.080	1.033	1.075	3.99
73)	Carbazole	1.024	1.070	1.049	0.965	0.997	0.989	0.962	1.008	4.11
74)	Di-n-butylphth...	1.307	1.414	1.407	1.323	1.321	1.342	1.285	1.343	3.70
75) C	Fluoranthene	1.093	1.165	1.150	1.064	1.086	1.097	1.028	1.098	4.30
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.655	0.652	0.543	0.617	0.560	0.475	0.447	0.564	14.63
78)	Pyrene	1.546	1.612	1.524	1.592	1.564	1.612	1.634	1.583	2.51
79) S	Terphenyl-d14	1.159	1.189	1.142	1.166	1.130	1.205	1.176	1.167	2.23
80)	Butylbenzylpht...	0.717	0.745	0.757	0.762	0.743	0.797	0.788	0.758	3.59
81)	Benzo(a)anthra...	1.317	1.361	1.312	1.293	1.278	1.335	1.254	1.307	2.73
82)	3,3'-Dichlorob...	0.380	0.390	0.391	0.366	0.345	0.353	0.315	0.363	7.53
83)	Chrysene	1.210	1.296	1.296	1.281	1.234	1.293	1.207	1.260	3.25
84)	Bis(2-ethylhex...	1.067	1.138	1.108	1.123	1.120	1.133	1.129	1.117	2.15
85) c	Di-n-octyl pht...	1.752	1.828	1.821	1.847	1.802	1.838	1.800	1.813	1.76

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.109	1.165	1.176	1.120	1.146	1.135	1.232	1.155	3.58	
88)	Benzo(b)fluora...	1.432	1.517	1.387	1.387	1.347	1.434	1.352	1.408	4.19	
89)	Benzo(k)fluora...	1.233	1.328	1.362	1.286	1.323	1.248	1.225	1.287	4.13	
90) C	Benzo(a)pyrene	1.199	1.221	1.203	1.158	1.163	1.169	1.122	1.176	2.84	
91)	Dibenzo(a,h)an...	1.000	1.025	1.020	0.971	0.984	1.007	1.069	1.011	3.15	
92)	Benzo(g,h,i)pe...	0.898	0.974	0.964	0.901	0.965	0.962	1.046	0.959	5.21	

(#) = Out of Range