

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF042721.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Apr 27 16:30:39 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123742.D 10 =BF123743.D 20 =BF123744.D 40 =BF123745.D 50 =BF123746.D 60 =BF123747.D 80 =BF123748.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.731	0.748	0.754	0.667	0.647	0.627	0.586	0.680	9.60
3) Pyridine	1.650	1.800	1.830	1.639	1.638	1.570	1.507	1.662	6.99
4) n-Nitrosodimet...	0.896	0.957	1.020	0.917	0.905	0.873	0.841	0.916	6.36
5) S 2-Fluorophenol	1.421	1.437	1.449	1.225	1.166	1.107	1.032	1.262	13.65
6) Aniline	2.201	2.265	2.281	1.984	1.897	1.787	1.664	2.011	12.14
7) S Phenol-d6	1.988	1.973	1.958	1.670	1.618	1.533	1.432	1.739	13.29
8) 2-Chlorophenol	1.487	1.510	1.560	1.328	1.290	1.211	1.121	1.358	12.17
9) Benzaldehyde	0.911	0.961	0.928	0.789	0.749	0.713		0.842	12.39
10) C Phenol	2.139	2.129	2.144	1.812	1.732	1.627	1.493	1.868	14.47
11) bis(2-Chloroet...	1.486	1.503	1.546	1.335	1.288	1.240	1.149	1.364	11.00
12) 1,3-Dichlorobe...	1.533	1.538	1.561	1.344	1.276	1.215	1.138	1.372	12.57
13) C 1,4-Dichlorobe...	1.539	1.574	1.577	1.349	1.295	1.241	1.142	1.388	12.67
14) 1,2-Dichlorobe...	1.491	1.526	1.510	1.239	1.181	1.141		1.348	13.30
15) Benzyl Alcohol	1.413	1.490	1.576	1.346	1.330	1.244	1.144	1.363	10.70
16) 2,2'-oxybis(1-...	3.127	3.208	3.322	2.849	2.748	2.630	2.422	2.901	11.36
17) 2-Methylphenol	1.271	1.278	1.293	1.128	1.106	1.044	0.982	1.157	10.76
18) Hexachloroethane	0.571	0.605	0.628	0.547	0.523	0.500	0.473	0.549	10.18
19) P n-Nitroso-di-n...	1.171	1.174	1.198	1.041	1.018	0.985	0.930	1.074	9.90
20) 3+4-Methylphenols	1.717	1.628	1.612	1.347	1.294	1.237		1.473	13.81
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.611	0.588	0.614	0.521	0.507	0.492	0.472	0.544	10.90
23) S Nitrobenzene-d5	0.475	0.462	0.494	0.437	0.425	0.414	0.395	0.443	8.01
24) Nitrobenzene	0.488	0.486	0.512	0.455	0.444	0.432	0.413	0.461	7.68
25) Isophorone	0.858	0.848	0.925	0.819	0.791	0.804	0.770	0.831	6.21
26) C 2-Nitrophenol	0.182	0.192	0.208	0.191	0.187	0.182	0.177	0.188	5.44
27) 2,4-Dimethylph...	0.316	0.318	0.332	0.289	0.281	0.273	0.262	0.296	8.89
28) bis(2-Chloroet...	0.448	0.441	0.472	0.420	0.403	0.401	0.378	0.423	7.68
29) C 2,4-Dichloroph...	0.314	0.309	0.328	0.286	0.274	0.272	0.257	0.292	8.91
30) 1,2,4-Trichlor...	0.333	0.324	0.345	0.296	0.288	0.283	0.269	0.306	9.40
31) Naphthalene	1.149	1.126	1.166	1.003	0.958	0.930	0.877	1.030	11.27
32) Benzoic acid		0.127	0.183	0.185	0.193	0.212	0.218	0.186	17.33
33) 4-Chloroaniline	0.448	0.454	0.485	0.421	0.412	0.402	0.386	0.430	8.01
34) C Hexachlorobuta...	0.192	0.196	0.215	0.186	0.175	0.172	0.166	0.186	9.02
35) Caprolactam	0.104	0.104	0.111	0.103	0.100	0.099	0.095	0.102	5.09
36) C 4-Chloro-3-met...	0.370	0.373	0.407	0.366	0.352	0.348	0.330	0.364	6.71
37) 2-Methylnaphth...	0.751	0.726	0.755	0.654	0.623	0.616	0.573	0.671	10.81
38) 1-Methylnaphth...	0.707	0.690	0.720	0.610	0.583	0.568	0.537	0.631	11.72

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.635	0.640	0.675	0.575	0.555	0.538	0.501	0.589	10.71
41) P	Hexachlorocycl...	0.161	0.235	0.245	0.250	0.259	0.250	0.233		15.48
42) S	2,4,6-Tribromo...	0.249	0.260	0.286	0.246	0.241	0.239	0.221	0.249	8.14
43) C	2,4,6-Trichlor...	0.395	0.413	0.464	0.409	0.392	0.397	0.368	0.405	7.25
44)	2,4,5-Trichlor...	0.429	0.459	0.488	0.436	0.427	0.417	0.390	0.435	7.16
45) S	2-Fluorobiphenyl	1.594	1.579	1.577	1.300	1.241	1.208	1.114	1.373	14.85
46)	1,1'-Biphenyl	1.856	1.829	1.884	1.579	1.514	1.465	1.343	1.639	13.20
47)	2-Chloronaphth...	1.368	1.363	1.394	1.207	1.162	1.129	1.026	1.235	11.47
48)	2-Nitroaniline	0.554	0.552	0.604	0.538	0.539	0.521	0.502	0.544	5.85
49)	Acenaphthylene	2.149	2.198	2.337	1.947	1.871	1.806	1.651	1.994	12.18
50)	Dimethylphthalate	1.510	1.501	1.634	1.354	1.326	1.309	1.227	1.409	10.13
51)	2,6-Dinitrotol...	0.323	0.343	0.372	0.322	0.317	0.312	0.291	0.326	7.89
52) C	Acenaphthene	1.359	1.344	1.384	1.176	1.131	1.093	1.019	1.215	12.01
53)	3-Nitroaniline	0.392	0.422	0.433	0.385	0.372	0.370	0.348	0.389	7.69
54) P	2,4-Dinitrophenol	0.124	0.179	0.183	0.188	0.186	0.178	0.173		13.97
55)	Dibenzofuran	2.102	2.064	2.111	1.792	1.691	1.630	1.474	1.838	13.97
56) P	4-Nitrophenol	0.264	0.283	0.320	0.293	0.284	0.276	0.263	0.283	6.83
57)	2,4-Dinitrotol...	0.468	0.462	0.500	0.440	0.431	0.420	0.388	0.444	8.24
58)	Fluorene	1.623	1.563	1.601	1.361	1.296	1.280	1.161	1.412	12.91
59)	2,3,4,6-Tetrac...	0.336	0.352	0.388	0.347	0.331	0.339	0.317	0.344	6.44
60)	Diethylphthalate	1.586	1.633	1.730	1.456	1.414	1.390	1.286	1.499	10.37
61)	4-Chlorophenyl...	0.756	0.732	0.760	0.632	0.597	0.593	0.538	0.658	13.64
62)	4-Nitroaniline	0.389	0.397	0.434	0.385	0.373	0.371	0.349	0.385	6.83
63)	Azobenzene	1.846	1.894	1.980	1.690	1.605	1.592	1.458	1.724	10.92
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.096	0.120	0.138	0.130	0.128	0.130	0.125	0.124	10.76
66) c	n-Nitrosodiphe...	0.724	0.722	0.730	0.640	0.602	0.597	0.564	0.654	10.74
67)	4-Bromophenyl-...	0.216	0.225	0.239	0.207	0.197	0.200	0.189	0.211	8.22
68)	Hexachlorobenzene	0.257	0.256	0.268	0.230	0.229	0.225	0.213	0.240	8.52
69)	Atrazine	0.205	0.210	0.224	0.194	0.188	0.186	0.178	0.198	8.09
70) C	Pentachlorophenol	0.103	0.130	0.123	0.128	0.126	0.124	0.122		8.06
71)	Phenanthrene	1.183	1.180	1.187	1.012	0.970	0.930	0.881	1.049	12.56
72)	Anthracene	1.155	1.175	1.185	1.004	0.964	0.943	0.874	1.043	12.14
73)	Carbazole	1.175	1.210	1.175	1.011	0.973	0.947	0.889	1.054	12.27
74)	Di-n-butylphth...	1.253	1.317	1.351	1.168	1.100	1.092	1.005	1.184	10.79
75) C	Fluoranthene	1.299	1.285	1.287	1.112	1.059	1.018	0.949	1.144	12.71
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.474	0.476	0.642	0.562	0.522	0.527	0.423	0.518	13.66
78)	Pyrene	1.579	1.552	1.740	1.514	1.504	1.531	1.447	1.552	5.97
79) S	Terphenyl-d14	1.084	1.079	1.175	1.003	0.994	0.992	0.942	1.039	7.57
80)	Butylbenzylpht...	0.603	0.639	0.748	0.665	0.667	0.683	0.637	0.663	6.88
81)	Benzo(a)anthra...	1.310	1.285	1.370	1.177	1.169	1.115	1.057	1.212	9.29
82)	3,3'-Dichlorob...	0.410	0.412	0.413	0.370	0.354	0.336	0.311	0.372	11.06
83)	Chrysene	1.334	1.287	1.370	1.172	1.171	1.131	1.071	1.219	9.15
84)	Bis(2-ethylhex...	0.802	0.843	0.937	0.812	0.809	0.802	0.763	0.824	6.68
85) c	Di-n-octyl pht...	1.304	1.354	1.460	1.326	1.313	1.270	1.195	1.317	6.14

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.180	1.119	1.170	1.080	1.147	1.256	1.201	1.165		4.91
88)	Benzo(b)fluora...	1.336	1.316	1.572	1.310	1.363	1.345	1.192	1.348		8.43
89)	Benzo(k)fluora...	1.335	1.390	1.395	1.307	1.190	1.224	1.163	1.286		7.37
90) C	Benzo(a)pyrene	1.184	1.185	1.260	1.146	1.123	1.126	1.044	1.153		5.81
91)	Dibenzo(a,h)an...	0.998	0.966	0.996	0.912	0.966	1.056	0.990	0.983		4.42
92)	Benzo(g,h,i)pe...	0.936	0.904	0.968	0.924	0.985	1.110	1.067	0.985		7.78

(#) = Out of Range