

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM011722.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 17 16:30:56 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM033744.D 10 =BM033745.D 20 =BM033746.D 40 =BM033747.D 50 =BM033748.D 60 =BM033749.D 80 =BM033750.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.566	0.538	0.482	0.417	0.435	0.415	0.403	0.465	13.98
3) Pyridine	1.577	1.428	1.368	1.254	1.290	1.265	1.220	1.343	9.35
4) n-Nitrosodimet...	0.743	0.681	0.645	0.593	0.600	0.579	0.569	0.630	10.09
5) S 2-Fluorophenol	1.432	1.306	1.212	1.097	1.131	1.095	1.057	1.190	11.44
6) Aniline	2.242	2.083	2.014	1.822	1.857	1.851	1.757	1.947	8.88
7) S Phenol-d6	1.930	1.820	1.736	1.576	1.603	1.578	1.495	1.677	9.32
8) 2-Chlorophenol	1.615	1.513	1.407	1.284	1.314	1.285	1.234	1.379	10.15
9) Benzaldehyde		1.266	1.117	0.879	0.864	0.804		0.986	19.96
10) C Phenol	1.922	1.829	1.738	1.590	1.612	1.579	1.501	1.682	9.05
11) bis(2-Chloroet...	1.647	1.497	1.395	1.241	1.267	1.239	1.183	1.353	12.48
12) 1,3-Dichlorobe...	1.848	1.682	1.559	1.401	1.433	1.407	1.346	1.525	11.97
13) C 1,4-Dichlorobe...	1.902	1.745	1.605	1.438	1.480	1.432	1.382	1.569	12.26
14) 1,2-Dichlorobe...	1.849	1.699	1.575	1.407	1.430	1.405	1.348	1.530	12.12
15) Benzyl Alcohol	1.602	1.520	1.471	1.334	1.367	1.350	1.281	1.418	8.15
16) 2,2'-oxybis(1-...	2.275	2.081	1.961	1.723	1.749	1.707	1.608	1.872	12.87
17) 2-Methylphenol	1.414	1.312	1.264	1.157	1.168	1.150	1.085	1.222	9.33
18) Hexachloroethane	0.692	0.630	0.599	0.529	0.552	0.538	0.522	0.580	10.86
19) P n-Nitroso-di-n...	1.424	1.347	1.264	1.114	1.128	1.107	1.026	1.201	12.14
20) 3+4-Methylphenols	1.921	1.845	1.777	1.613	1.646	1.615	1.532	1.707	8.34
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.615	0.567	0.536	0.479	0.509	0.498	0.493	0.528	9.16
23) S Nitrobenzene-d5	0.461	0.424	0.413	0.370	0.400	0.390	0.388	0.406	7.37
24) Nitrobenzene	0.441	0.396	0.387	0.346	0.373	0.367	0.367	0.382	7.88
25) Isophorone	0.825	0.755	0.733	0.646	0.693	0.685	0.674	0.716	8.41
26) C 2-Nitrophenol	0.192	0.184	0.185	0.173	0.187	0.185	0.187	0.185	3.16
27) 2,4-Dimethylph...	0.314	0.296	0.288	0.259	0.276	0.273	0.269	0.282	6.62
28) bis(2-Chloroet...	0.541	0.493	0.466	0.406	0.437	0.426	0.423	0.456	10.43
29) C 2,4-Dichloroph...	0.359	0.330	0.326	0.295	0.319	0.314	0.315	0.322	6.07
30) 1,2,4-Trichlor...	0.406	0.364	0.349	0.315	0.340	0.332	0.337	0.349	8.39
31) Naphthalene	1.254	1.155	1.102	0.972	1.044	1.017	1.012	1.080	9.10
32) Benzoic acid	0.193	0.209	0.224	0.221	0.240	0.248	0.249	0.226	9.27
33) 4-Chloroaniline	0.497	0.470	0.460	0.410	0.440	0.435	0.433	0.449	6.37
34) C Hexachlorobuta...	0.261	0.242	0.230	0.206	0.225	0.217	0.220	0.229	7.96
35) Caprolactam	0.125	0.120	0.118	0.105	0.111	0.115	0.111	0.115	5.82
36) C 4-Chloro-3-met...	0.447	0.416	0.411	0.362	0.385	0.384	0.375	0.397	7.27
37) 2-Methylnaphth...	0.915	0.834	0.790	0.692	0.738	0.728	0.717	0.773	10.16
38) 1-Methylnaphth...	0.889	0.813	0.775	0.676	0.720	0.712	0.699	0.755	10.02

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.667	0.607	0.579	0.516	0.571	0.555	0.557	0.579	8.24
41) P	Hexachlorocycl...	0.377	0.353	0.355	0.327	0.369	0.353	0.360	0.356	4.43
42) S	2,4,6-Tribromo...	0.295	0.281	0.275	0.244	0.264	0.269	0.270	0.271	5.79
43) C	2,4,6-Trichlor...	0.455	0.421	0.419	0.374	0.411	0.406	0.407	0.413	5.81
44)	2,4,5-Trichlor...	0.492	0.455	0.452	0.402	0.442	0.437	0.434	0.445	6.14
45) S	2-Fluorobiphenyl	1.684	1.526	1.456	1.261	1.381	1.331	1.312	1.422	10.29
46)	1,1'-Biphenyl	1.783	1.616	1.540	1.349	1.470	1.428	1.410	1.514	9.75
47)	2-Chloronaphth...	1.349	1.223	1.162	1.032	1.124	1.105	1.090	1.155	9.04
48)	2-Nitroaniline	0.385	0.379	0.384	0.352	0.381	0.385	0.378	0.378	3.12
49)	Acenaphthylene	2.131	1.972	1.891	1.657	1.814	1.798	1.764	1.861	8.30
50)	Dimethylphthalate	1.834	1.685	1.624	1.397	1.515	1.506	1.470	1.576	9.43
51)	2,6-Dinitrotol...	0.345	0.331	0.327	0.287	0.310	0.314	0.311	0.318	5.83
52) C	Acenaphthene	1.401	1.297	1.262	1.123	1.216	1.212	1.198	1.244	7.07
53)	3-Nitroaniline	0.364	0.353	0.359	0.319	0.339	0.352	0.347	0.348	4.31
54) P	2,4-Dinitrophenol	0.156	0.182	0.184	0.200	0.216	0.216	0.192		12.07
55)	Dibenzofuran	2.200	2.005	1.893	1.642	1.789	1.766	1.717	1.859	10.28
56) P	4-Nitrophenol	0.280	0.285	0.293	0.266	0.284	0.301	0.290	0.285	3.88
57)	2,4-Dinitrotol...	0.458	0.453	0.455	0.405	0.435	0.451	0.440	0.442	4.18
58)	Fluorene	1.727	1.583	1.499	1.301	1.396	1.397	1.354	1.465	10.13
59)	2,3,4,6-Tetrac...	0.453	0.421	0.413	0.364	0.399	0.398	0.392	0.406	6.80
60)	Diethylphthalate	1.913	1.768	1.696	1.474	1.576	1.593	1.545	1.652	9.11
61)	4-Chlorophenyl...	0.901	0.830	0.781	0.673	0.731	0.732	0.714	0.766	10.17
62)	4-Nitroaniline	0.370	0.372	0.380	0.338	0.353	0.380	0.363	0.365	4.17
63)	Azobenzene	1.723	1.624	1.572	1.362	1.465	1.470	1.418	1.519	8.31
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.118	0.125	0.130	0.126	0.137	0.139	0.143	0.131	6.80
66) c	n-Nitrosodiphe...	0.719	0.654	0.636	0.557	0.612	0.590	0.588	0.622	8.58
67)	4-Bromophenyl-...	0.263	0.236	0.230	0.202	0.224	0.216	0.219	0.227	8.52
68)	Hexachlorobenzene	0.289	0.259	0.252	0.218	0.242	0.236	0.241	0.248	8.85
69)	Atrazine	0.260	0.250	0.241	0.210	0.225	0.225	0.220	0.233	7.65
70) C	Pentachlorophenol	0.158	0.156	0.163	0.149	0.162	0.164	0.166	0.159	3.70
71)	Phenanthrene	1.327	1.195	1.134	0.988	1.062	1.052	1.036	1.113	10.42
72)	Anthracene	1.252	1.172	1.123	0.984	1.056	1.047	1.031	1.095	8.47
73)	Carbazole	1.228	1.138	1.100	0.959	1.015	1.038	1.004	1.069	8.65
74)	Di-n-butylphth...	1.484	1.425	1.398	1.225	1.297	1.318	1.282	1.347	6.77
75) C	Fluoranthene	1.441	1.354	1.293	1.115	1.138	1.226	1.159	1.247	9.76
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.575	0.543	0.601	0.447	0.462	0.416	0.507		14.94
78)	Pyrene	1.707	1.507	1.501	1.346	1.534	1.301	1.447	1.478	9.01
79) S	Terphenyl-d14	1.402	1.259	1.223	1.094	1.236	1.055	1.173	1.206	9.49
80)	Butylbenzylpht...	0.747	0.686	0.685	0.628	0.689	0.641	0.685	0.680	5.64
81)	Benzo(a)anthra...	1.527	1.393	1.338	1.198	1.285	1.254	1.272	1.324	8.22
82)	3,3'-Dichlorob...	0.552	0.502	0.486	0.425	0.454	0.456	0.439	0.473	9.18
83)	Chrysene	1.487	1.337	1.280	1.126	1.226	1.198	1.197	1.264	9.39
84)	Bis(2-ethylhex...	1.094	1.018	0.989	0.897	0.979	0.931	0.974	0.983	6.40
85) c	Di-n-octyl pht...	1.766	1.589	1.573	1.420	1.570	1.593	1.545	1.580	6.43

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.584	1.390	1.346	1.188	1.348	1.165	1.288	1.330	10.52	
88)	Benzo(b)fluora...	1.437	1.366	1.292	1.168	1.210	1.246	1.218	1.277	7.47	
89)	Benzo(k)fluora...	1.438	1.319	1.285	1.172	1.257	1.226	1.253	1.279	6.57	
90) C	Benzo(a)pyrene	1.174	1.084	1.053	0.957	1.017	1.008	1.013	1.044	6.70	
91)	Dibenzo(a,h)an...	1.322	1.165	1.136	1.011	1.149	0.993	1.087	1.123	9.82	
92)	Benzo(g,h,i)pe...	1.284	1.127	1.075	0.959	1.086	0.919	1.031	1.069	11.21	

(#) = Out of Range