

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF041922.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Apr 19 17:31:18 2022
 Response Via : Initial Calibration

Calibration Files

1 =BF127835.D 5 =BF127836.D 10 =BF127837.D 20 =BF127838.D 40 =BF127839.D 50 =BF127840.D 60 =BF127841.D 80 =BF127842.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.869	0.486	0.624	0.620	0.507	0.469	0.563	0.591	23.23	
3)	Pyridine	2.243	1.429	1.822	1.755	1.510	1.463	1.593	1.688	16.92	
4)	n-Nitrosodimet...	1.183	0.744	0.970	0.957	0.803	0.815	0.856	0.904	16.34	
5) S	2-Fluorophenol	1.371	1.461	1.622	1.243	1.056	1.085	1.099	1.277	16.92	
6)	Aniline	1.998	1.671	1.871	1.910	1.688	1.955	1.883	1.854	6.85	
7) S	Phenol-d6	1.806	1.481	1.639	1.645	1.439	1.567	1.583	1.594	7.56	
8)	2-Chlorophenol	1.415	1.217	1.313	1.292	1.152	1.375	1.302	1.295	6.88	
9)	Benzaldehyde	1.137	0.988	1.036	0.820	0.814	0.838	0.746	0.911	15.71	
10) C	Phenol	1.776	1.479	1.652	1.663	1.449	1.593	1.581	1.599	7.02	
11)	bis(2-Chloroet...	1.404	1.212	1.298	1.340	1.170	1.453	1.324	1.315	7.57	
12)	1,3-Dichlorobe...	1.647	1.542	1.531	1.484	1.334	1.584	1.655	1.540	7.12	
13) C	1,4-Dichlorobe...	1.663	1.594	1.547	1.510	1.354	1.304	1.356	1.475	9.35	
14)	1,2-Dichlorobe...	1.565	1.558	1.465	1.439	1.294	1.226	1.277	1.404	9.83	
15)	Benzyl Alcohol	1.475	1.468	1.444	1.458	1.307	1.258	1.303	1.388	6.75	
16)	2,2'-oxybis(1-...	2.079	2.175	1.905	1.967	1.777	1.637	1.695	1.891	10.54	
17)	2-Methylphenol	1.226	1.178	1.097	1.139	1.004	0.960	0.994	1.085	9.37	
18)	Hexachloroethane	0.678	0.708	0.600	0.599	0.544	0.524	0.596	0.607	10.89	
19) P	n-Nitroso-di-n...	1.157	1.225	1.193	1.072	1.098	0.990	0.973	1.046	1.094	8.41
20)	3+4-Methylphenols	1.628	1.635	1.466	1.453	1.287	1.251	1.347	1.438	10.68	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.613	0.429	0.560	0.552	0.413	0.419	0.377	0.480	19.14	
23) S	Nitrobenzene-d5	0.518	0.396	0.496	0.494	0.373	0.376	0.366	0.431	15.71	
24)	Nitrobenzene	0.471	0.379	0.465	0.455	0.352	0.349	0.341	0.402	14.76	
25)	Isophorone	0.801	0.760	0.774	0.781	0.617	0.616	0.731	0.726	10.65	
26) C	2-Nitrophenol	0.184	0.182	0.188	0.191	0.154	0.150	0.178	0.175	9.53	
27)	2,4-Dimethylph...	0.299	0.307	0.295	0.297	0.236	0.232	0.272	0.277	11.31	
28)	bis(2-Chloroet...	0.499	0.494	0.468	0.474	0.382	0.381	0.332	0.433	15.32	
29) C	2,4-Dichloroph...	0.346	0.341	0.345	0.343	0.315	0.282	0.301	0.325	7.90	
30)	1,2,4-Trichlor...	0.428	0.404	0.404	0.400	0.363	0.334	0.350	0.383	8.94	
31)	Naphthalene	1.132	1.099	1.078	1.076	0.977	0.939	0.950	1.036	7.55	
32)	Benzoic acid	0.152	0.182	0.208	0.239	0.203	0.202	0.201	0.198	13.40	
33)	4-Chloroaniline	0.451	0.440	0.421	0.420	0.379	0.392	0.376	0.411	7.13	
34) C	Hexachlorobuta...	0.317	0.272	0.301	0.296	0.261	0.288	0.249	0.284	8.50	
35)	Caprolactam	0.105	0.097	0.092	0.095	0.105	0.124	0.097	0.102	10.65	
36) C	4-Chloro-3-met...	0.390	0.351	0.369	0.371	0.380	0.435	0.366	0.380	7.10	
37)	2-Methylnaphth...	0.787	0.757	0.744	0.741	0.752	0.859	0.582	0.746	11.15	
38)	1-Methylnaphth...	0.749	0.724	0.709	0.708	0.720	0.819	0.624	0.722	8.05	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.732	0.720	0.723	0.683	0.607	0.694	0.911	0.724	12.77	
41) P	Hexachlorocycl...	0.381	0.382	0.455	0.449	0.400	0.457	0.563	0.441	14.40	
42) S	2,4,6-Tribromo...	0.274	0.255	0.272	0.269	0.193	0.177	0.265	0.244	16.71	
43) C	2,4,6-Trichlor...	0.460	0.456	0.462	0.450	0.426	0.497	0.640	0.485	14.77	
44)	2,4,5-Trichlor...	0.484	0.488	0.485	0.479	0.437	0.513	0.705	0.513	17.12	
45) S	2-Fluorobiphenyl	1.667	1.593	1.563	1.488	1.229	1.341	1.837	1.531	13.23	
46)	1,1'-Biphenyl	1.685	1.681	1.593	1.571	1.385	1.546	1.774	1.605	7.79	
47)	2-Chloronaphth...	1.298	1.315	1.265	1.235	1.106	1.221	1.630	1.296	12.54	
48)	2-Nitroaniline	0.442	0.406	0.443	0.436	0.397	0.435	0.588	0.449	14.15	
49)	Acenaphthylene	1.967	1.999	1.914	1.895	1.651	1.755	1.803	1.855	6.70	
50)	Dimethylphthalate	1.608	1.529	1.525	1.499	1.363	1.503	1.481	1.501	4.89	
51)	2,6-Dinitrotol...	0.303	0.310	0.297	0.303	0.278	0.306	0.293	0.299	3.52	
52) C	Acenaphthene	1.274	1.246	1.248	1.277	1.094	0.948	1.262	1.193	10.49	
53)	3-Nitroaniline	0.321	0.318	0.305	0.312	0.293	0.315	0.293	0.308	3.64	
54) P	2,4-Dinitrophenol	0.142	0.143	0.175	0.193	0.181	0.143	0.197	0.168	14.52	
55)	Dibenzofuran	1.900	1.880	1.793	1.777	1.521	1.098	1.692	1.666	16.86	
56) P	4-Nitrophenol	0.225	0.251	0.240	0.240	0.225	0.185	0.228	0.228	9.27	
57)	2,4-Dinitrotol...	0.408	0.390	0.408	0.410	0.364	0.253	0.384	0.374	14.95	
58)	Fluorene	1.501	1.425	1.394	1.372	1.017	0.863	1.325	1.271	18.61	
59)	2,3,4,6-Tetrac...	0.428	0.424	0.422	0.432	0.379	0.273	0.415	0.396	14.44	
60)	Diethylphthalate	1.599	1.456	1.473	1.481	1.265	0.930	1.403	1.372	15.99	
61)	4-Chlorophenyl...	0.826	0.791	0.767	0.772	0.559	0.484	0.739	0.705	18.47	
62)	4-Nitroaniline	0.309	0.315	0.311	0.312	0.208	0.190	0.279	0.275	19.42	
63)	Azobenzene	1.665	1.556	1.572	1.610	1.181	1.003	1.483	1.438	17.27	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.111	0.152	0.133	0.108	0.135		0.128		14.41	
66) c	n-Nitrosodiphe...	0.660	0.848	0.648	0.498	0.613		0.653		19.30	
67)	4-Bromophenyl-...	0.268	0.338	0.272	0.211	0.266		0.271		16.66	
68)	Hexachlorobenzene	0.301	0.372	0.289	0.228	0.262		0.290		18.41	
69)	Atrazine	0.260	0.296	0.228	0.166	0.187	0.125	0.210	0.210	27.34	
70) C	Pentachlorophenol	0.138	0.190	0.166	0.136	0.158	0.127	0.181	0.156	15.35	
71)	Phenanthrene	1.191	1.157	1.109	1.057	1.009	0.874	1.086	1.069	9.81	
72)	Anthracene	1.160	1.271	1.121	1.055	1.009	0.874	1.071	1.080	11.51	
73)	Carbazole	1.089	0.915	1.024	1.049	1.029	0.821	0.955	0.983	9.37	
74)	Di-n-butylphth...	1.307	0.996	1.270	1.337	1.231	0.972	1.193	1.186	12.33	
75) C	Fluoranthene	1.309	1.292	1.262	1.306	1.179	0.934	1.102	1.198	11.62	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.546	0.626	0.546	0.443	0.433	0.545	0.473	0.516	13.44	
78)	Pyrene	1.685	1.637	1.622	1.694	1.509	1.963	1.741	1.693	8.25	
79) S	Terphenyl-d14	1.353	1.263	1.298	1.195	1.152	1.329	1.330	1.274	5.93	
80)	Butylbenzylpht...	0.656	0.644	0.656	0.670	0.580	0.767	0.659	0.662	8.31	
81)	Benzo(a)anthra...	1.422	1.400	1.390	1.369	1.295	1.280	1.408	1.366	4.11	
82)	3,3'-Dichlorob...	0.472	0.491	0.455	0.416	0.399	0.381	0.407	0.431	9.52	
83)	Chrysene	1.323	1.344	1.294	1.266	1.224	1.158	1.309	1.274	5.04	
84)	Bis(2-ethylhex...	0.869	0.860	0.877	0.899	0.835	0.797	0.910	0.864	4.44	
85) c	Di-n-octyl pht...	1.293	1.290	1.276	1.319	1.588	0.959	1.383	1.301	14.27	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.147	1.159	1.265	1.382	1.329	1.325	1.567	1.310	10.93	
88)	Benzo(b)fluora...	1.401	1.354	1.321	1.323	1.223	1.198	1.366	1.312	5.71	
89)	Benzo(k)fluora...	1.393	1.370	1.390	1.280	1.080	1.222	1.179	1.273	9.41	
90) C	Benzo(a)pyrene	1.096	1.077	1.078	1.077	0.990	1.014	1.077	1.058	3.73	
91)	Dibenzo(a,h)an...	0.916	0.951	1.055	1.132	1.066	1.088	1.287	1.071	11.38	
92)	Benzo(g,h,i)pe...	0.917	0.921	1.035	1.152	1.102	1.076	1.409	1.087	15.35	

(#) = Out of Range