

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM042722.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Apr 28 01:51:59 2022
 Response Via : Initial Calibration

Calibration Files

1 =BM034850.D 5 =BM034851.D 10 =BM034852.D 20 =BM034853.D 40 =BM034854.D 50 =BM034855.D 60 =BM034856.D 80 =BM034857.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.506	0.474	0.457	0.460	0.444	0.462	0.409	0.459	6.42	
3)	Pyridine	1.307	1.276	1.307	1.277	1.259	1.326	1.193	1.278	3.43	
4)	n-Nitrosodimet...	0.587	0.607	0.633	0.646	0.635	0.680	0.623	0.630	4.66	
5) S	2-Fluorophenol	1.161	1.121	1.153	1.145	1.115	1.181	1.059	1.134	3.54	
6)	Aniline	1.716	1.644	1.732	1.682	1.665	1.734	1.594	1.681	3.05	
7) S	Phenol-d6	1.480	1.440	1.496	1.469	1.446	1.525	1.388	1.463	3.01	
8)	2-Chlorophenol	1.304	1.274	1.272	1.260	1.231	1.301	1.189	1.262	3.21	
9)	Benzaldehyde	1.092	1.040	1.021	0.941	0.886	0.907	0.781	0.952	11.16	
10) C	Phenol	1.547	1.495	1.533	1.490	1.469	1.545	1.399	1.497	3.52	
11)	bis(2-Chloroet...	1.161	1.100	1.143	1.133	1.112	1.165	1.073	1.127	2.99	
12)	1,3-Dichlorobe...	1.536	1.422	1.448	1.425	1.384	1.460	1.330	1.429	4.50	
13) C	1,4-Dichlorobe...	1.556	1.485	1.460	1.456	1.428	1.495	1.359	1.463	4.18	
14)	1,2-Dichlorobe...	1.496	1.408	1.399	1.375	1.348	1.424	1.298	1.393	4.45	
15)	Benzyl Alcohol	1.071	1.080	1.110	1.099	1.093	1.145	1.058	1.094	2.62	
16)	2,2'-oxybis(1-...	2.009	1.870	1.891	1.801	1.752	1.808	1.652	1.826	6.17	
17)	2-Methylphenol	1.037	1.001	1.034	1.014	1.005	1.052	0.971	1.016	2.69	
18)	Hexachloroethane	0.554	0.527	0.541	0.536	0.531	0.556	0.514	0.537	2.77	
19) P	n-Nitroso-di-n...	0.942	0.962	0.954	1.000	0.969	0.951	0.986	0.901	0.958	3.13
20)	3+4-Methylphenols	1.383	1.368	1.433	1.391	1.387	1.448	1.324	1.391	2.94	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.491	0.468	0.487	0.484	0.484	0.506	0.471	0.484	2.63	
23) S	Nitrobenzene-d5	0.357	0.348	0.370	0.377	0.377	0.396	0.368	0.370	4.13	
24)	Nitrobenzene	0.374	0.358	0.372	0.373	0.373	0.393	0.366	0.373	2.83	
25)	Isophorone	0.581	0.583	0.619	0.626	0.636	0.669	0.620	0.619	4.91	
26) C	2-Nitrophenol	0.139	0.139	0.158	0.168	0.173	0.185	0.177	0.163	11.30	
27)	2,4-Dimethylph...	0.243	0.236	0.252	0.251	0.255	0.266	0.251	0.251	3.71	
28)	bis(2-Chloroet...	0.355	0.345	0.358	0.357	0.357	0.373	0.350	0.356	2.41	
29) C	2,4-Dichloroph...	0.267	0.275	0.293	0.303	0.306	0.323	0.303	0.296	6.52	
30)	1,2,4-Trichlor...	0.339	0.316	0.327	0.330	0.336	0.359	0.334	0.335	3.92	
31)	Naphthalene	1.063	1.005	1.024	1.027	1.028	1.076	0.999	1.032	2.73	
32)	Benzoic acid	0.165	0.165	0.193	0.207	0.217	0.237	0.225	0.201	14.01	
33)	4-Chloroaniline	0.399	0.398	0.418	0.415	0.425	0.443	0.408	0.415	3.77	
34) C	Hexachlorobuta...	0.205	0.197	0.198	0.205	0.210	0.221	0.210	0.207	4.04	
35)	Caprolactam	0.066	0.078	0.087	0.088	0.094	0.098	0.086	0.085	12.57	
36) C	4-Chloro-3-met...	0.281	0.289	0.311	0.310	0.318	0.331	0.302	0.306	5.59	
37)	2-Methylnaphth...	0.715	0.698	0.718	0.710	0.722	0.751	0.691	0.715	2.70	
38)	1-Methylnaphth...	0.702	0.681	0.695	0.693	0.704	0.736	0.675	0.698	2.83	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.552	0.516	0.538	0.577	0.572	0.619	0.612	0.569	6.61	
41) P	Hexachlorocycl...	0.303	0.293	0.319	0.350	0.354	0.383	0.385	0.341	10.84	
42) S	2,4,6-Tribromo...	0.192	0.197	0.213	0.222	0.227	0.245	0.226	0.218	8.50	
43) C	2,4,6-Trichlor...	0.345	0.345	0.370	0.397	0.398	0.430	0.413	0.386	8.53	
44)	2,4,5-Trichlor...	0.382	0.392	0.417	0.439	0.443	0.476	0.448	0.428	7.77	
45) S	2-Fluorobiphenyl	1.393	1.309	1.343	1.389	1.366	1.451	1.393	1.378	3.25	
46)	1,1'-Biphenyl	1.538	1.452	1.475	1.512	1.486	1.578	1.506	1.507	2.78	
47)	2-Chloronaphth...	1.199	1.120	1.137	1.179	1.169	1.238	1.178	1.174	3.31	
48)	2-Nitroaniline	0.276	0.302	0.332	0.356	0.359	0.384	0.355	0.338	11.04	
49)	Acenaphthylene	1.751	1.709	1.790	1.839	1.820	1.936	1.810	1.808	3.96	
50)	Dimethylphthalate	1.498	1.438	1.480	1.507	1.491	1.588	1.435	1.491	3.44	
51)	2,6-Dinitrotol...	0.270	0.280	0.303	0.316	0.315	0.333	0.308	0.304	7.22	
52) C	Acenaphthene	1.207	1.161	1.207	1.238	1.228	1.314	1.219	1.225	3.78	
53)	3-Nitroaniline	0.281	0.294	0.331	0.337	0.344	0.367	0.326	0.326	9.04	
54) P	2,4-Dinitrophenol		0.141	0.162	0.180	0.189	0.208	0.191	0.179	13.35	
55)	Dibenzofuran	1.792	1.730	1.742	1.748	1.721	1.818	1.689	1.749	2.50	
56) P	4-Nitrophenol	0.213	0.244	0.274	0.279	0.285	0.304	0.263	0.266	11.18	
57)	2,4-Dinitrotol...	0.331	0.363	0.405	0.428	0.437	0.466	0.417	0.407	11.29	
58)	Fluorene	1.431	1.407	1.457	1.453	1.457	1.551	1.411	1.452	3.32	
59)	2,3,4,6-Tetrac...	0.332	0.334	0.359	0.369	0.374	0.406	0.373	0.364	7.04	
60)	Diethylphthalate	1.455	1.470	1.532	1.542	1.544	1.628	1.458	1.519	4.12	
61)	4-Chlorophenyl...	0.697	0.652	0.679	0.696	0.695	0.749	0.697	0.695	4.16	
62)	4-Nitroaniline	0.276	0.306	0.342	0.358	0.363	0.383	0.334	0.337	10.83	
63)	Azobenzene	1.325	1.330	1.415	1.421	1.405	1.468	1.332	1.385	4.05	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.095	0.111	0.121	0.125	0.136	0.129	0.120	12.10	
66) c	n-Nitrosodiphe...	0.591	0.572	0.597	0.610	0.607	0.642	0.623	0.606	3.72	
67)	4-Bromophenyl-...	0.193	0.186	0.196	0.203	0.207	0.221	0.216	0.203	6.25	
68)	Hexachlorobenzene	0.229	0.213	0.224	0.230	0.230	0.245	0.236	0.230	4.34	
69)	Atrazine	0.187	0.184	0.201	0.209	0.213	0.223	0.207	0.203	6.85	
70) C	Pentachlorophenol	0.122	0.124	0.139	0.149	0.153	0.165	0.155	0.144	11.33	
71)	Phenanthrene	1.148	1.076	1.105	1.111	1.106	1.172	1.087	1.115	3.04	
72)	Anthracene	1.055	1.011	1.067	1.091	1.089	1.151	1.070	1.076	3.95	
73)	Carbazole	0.941	0.939	0.997	0.997	1.007	1.053	0.946	0.983	4.35	
74)	Di-n-butylphth...	1.110	1.128	1.236	1.307	1.322	1.396	1.256	1.251	8.29	
75) C	Fluoranthene	1.164	1.161	1.230	1.242	1.262	1.335	1.174	1.224	5.18	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.557	0.550	0.648	0.675	0.649	0.644	0.556	0.611	8.87	
78)	Pyrene	1.310	1.229	1.294	1.335	1.324	1.392	1.374	1.323	4.06	
79) S	Terphenyl-d14	1.037	0.956	0.997	1.048	1.036	1.090	1.068	1.033	4.32	
80)	Butylbenzylpht...	0.482	0.506	0.563	0.608	0.618	0.658	0.629	0.581	11.35	
81)	Benzo(a)anthra...	1.336	1.276	1.315	1.348	1.339	1.408	1.320	1.335	3.01	
82)	3,3'-Dichlorob...	0.343	0.347	0.382	0.405	0.413	0.435	0.397	0.389	8.73	
83)	Chrysene	1.301	1.221	1.251	1.272	1.272	1.350	1.255	1.275	3.26	
84)	Bis(2-ethylhex...	0.767	0.790	0.880	0.942	0.942	0.994	0.933	0.893	9.50	
85) c	Di-n-octyl pht...	1.257	1.290	1.432	1.552	1.568	1.673	1.530	1.472	10.39	

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.488	1.408	1.488	1.521	1.544	1.650	1.546	1.521	4.86
88)	Benzo(b)fluora...	1.228	1.156	1.218	1.289	1.297	1.356	1.260	1.258	5.13
89)	Benzo(k)fluora...	1.258	1.187	1.261	1.256	1.275	1.369	1.307	1.273	4.35
90) C	Benzo(a)pyrene	0.996	0.962	1.020	1.055	1.074	1.134	1.075	1.045	5.47
91)	Dibenzo(a,h)an...	1.254	1.192	1.241	1.273	1.294	1.381	1.294	1.276	4.57
92)	Benzo(g,h,i)pe...	1.216	1.141	1.197	1.215	1.246	1.328	1.237	1.226	4.61

(#) = Out of Range