

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF100124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 02 04:58:47 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF139584.D 5 =BF139585.D 10 =BF139586.D 20 =BF139587.D 40 =BF139588.D 50 =BF139589.D 60 =BF139590.D 80 =BF139591.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.523	0.523	0.509	0.485	0.488	0.490	0.474	0.499	3.89
3)	Pyridine		1.305	1.304	1.277	1.163	1.155	1.177	1.112	1.213	6.59
4)	n-Nitrosodimet...		0.820	0.790	0.797	0.783	0.784	0.802	0.782	0.794	1.72
5) S	2-Fluorophenol		1.285	1.218	1.191	1.113	1.096	1.106	1.068	1.154	6.84
6)	Aniline		1.562	1.492	1.462	1.276	1.243	1.226		1.377	10.56
7) S	Phenol-d6		1.719	1.638	1.599	1.490	1.482	1.490	1.445	1.552	6.54
8)	2-Chlorophenol		1.326	1.337	1.289	1.191	1.180	1.192	1.139	1.236	6.40
9)	Benzaldehyde		1.008	1.014	0.926	0.787	0.727	0.680	0.612	0.822	19.68
10) C	Phenol		1.798	1.748	1.691	1.602	1.548	1.570	1.464	1.632	7.27
11)	bis(2-Chloroet...		1.356	1.331	1.264	1.258	1.236	1.261	1.595	1.329	9.42
12)	1,3-Dichlorobe...		1.527	1.477	1.450	1.346	1.330	1.339	1.266	1.391	6.78
13) C	1,4-Dichlorobe...		1.592	1.510	1.451	1.348	1.341	1.348	1.271	1.409	8.01
14)	1,2-Dichlorobe...		1.469	1.429	1.393	1.278	1.256	1.241	1.175	1.320	8.33
15)	Benzyl Alcohol		1.239	1.244	1.233	1.170	1.144	1.166	1.103	1.186	4.55
16)	2,2'-oxybis(1-...		2.573	2.446	2.391	2.225	2.186	2.202	2.075	2.300	7.60
17)	2-Methylphenol		1.105	1.073	1.068	1.010	0.992	1.005	0.972	1.032	4.80
18)	Hexachloroethane		0.553	0.548	0.550	0.511	0.511	0.516	0.489	0.525	4.73
19) P	n-Nitroso-di-n...	1.024	1.073	1.066	1.030	0.959	0.932	0.971	0.926	0.998	5.83
20)	3+4-Methylphenols		1.439	1.405	1.363	1.257	1.226	1.229	1.154	1.296	8.20
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.530	0.505	0.494	0.451	0.447	0.460	0.436	0.475	7.36
23) S	Nitrobenzene-d5		0.420	0.411	0.406	0.382	0.382	0.391	0.373	0.395	4.43
24)	Nitrobenzene		0.427	0.424	0.421	0.397	0.391	0.408	0.396	0.409	3.63
25)	Isophorone		0.766	0.728	0.713	0.675	0.662	0.695	0.672	0.702	5.25
26) C	2-Nitrophenol		0.174	0.172	0.181	0.178	0.175	0.179	0.172	0.176	1.99
27)	2,4-Dimethylph...		0.228	0.224	0.218	0.206	0.209	0.216	0.206	0.215	4.10
28)	bis(2-Chloroet...		0.459	0.438	0.433	0.403	0.401	0.411	0.389	0.419	5.92
29) C	2,4-Dichloroph...		0.300	0.295	0.293	0.275	0.266	0.276	0.261	0.281	5.42
30)	1,2,4-Trichlor...		0.344	0.336	0.329	0.307	0.301	0.311	0.295	0.318	5.92
31)	Naphthalene		1.144	1.090	1.074	0.982	0.962	0.983	0.923	1.023	7.84
32)	Benzoic acid		0.159	0.187	0.220	0.224	0.227	0.243	0.240	0.214	14.27
33)	4-Chloroaniline		0.382	0.367	0.361	0.340	0.330	0.333	0.310	0.346	7.21
34) C	Hexachlorobuta...		0.223	0.216	0.216	0.197	0.198	0.201	0.189	0.205	6.11
35)	Caprolactam		0.098	0.099	0.093	0.088	0.088	0.092	0.086	0.092	5.47
36) C	4-Chloro-3-met...		0.345	0.335	0.331	0.303	0.300	0.312	0.299	0.318	5.88
37)	2-Methylnaphth...		0.764	0.718	0.694	0.639	0.620	0.633	0.594	0.666	9.12
38)	1-Methylnaphth...		0.739	0.708	0.677	0.624	0.610	0.617	0.581	0.651	8.90

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.601	0.594	0.586	0.536	0.528	0.536	0.507	0.555	6.70	
41) P	Hexachlorocycl...	0.120	0.148	0.173	0.184	0.191	0.193	0.184	0.170	15.84	
42) S	2,4,6-Tribromo...	0.212	0.208	0.200	0.187	0.182	0.186	0.177	0.193	7.11	
43) C	2,4,6-Trichlor...	0.395	0.383	0.391	0.366	0.362	0.371	0.352	0.374	4.27	
44)	2,4,5-Trichlor...	0.433	0.429	0.412	0.390	0.389	0.393	0.378	0.404	5.28	
45) S	2-Fluorobiphenyl	1.547	1.443	1.373	1.228	1.203	1.194	1.131	1.303	11.78	
46)	1,1'-Biphenyl	1.680	1.619	1.556	1.416	1.400	1.408	1.334	1.488	8.73	
47)	2-Chloronaphth...	1.225	1.193	1.156	1.074	1.067	1.069	1.023	1.115	6.80	
48)	2-Nitroaniline	0.401	0.400	0.409	0.394	0.397	0.407	0.395	0.400	1.44	
49)	Acenaphthylene	1.889	1.832	1.784	1.632	1.615	1.609	1.510	1.696	8.22	
50)	Dimethylphthalate	1.471	1.387	1.342	1.249	1.249	1.251	1.216	1.309	7.15	
51)	2,6-Dinitrotol...	0.313	0.310	0.304	0.288	0.285	0.293	0.277	0.296	4.56	
52) C	Acenaphthene	1.279	1.237	1.207	1.126	1.115	1.122	1.064	1.164	6.67	
53)	3-Nitroaniline	0.326	0.319	0.314	0.293	0.291	0.293	0.278	0.302	5.84	
54) P	2,4-Dinitrophenol	0.122	0.136	0.164	0.164	0.176	0.178	0.173	0.159	13.53	
55)	Dibenzofuran	1.882	1.800	1.713	1.553	1.526	1.520	1.418	1.630	10.42	
56) P	4-Nitrophenol	0.230	0.233	0.237	0.228	0.231	0.236	0.218	0.230	2.71	
57)	2,4-Dinitrotol...	0.408	0.416	0.406	0.380	0.377	0.372	0.348	0.387	6.27	
58)	Fluorene	1.524	1.436	1.358	1.222	1.212	1.206	1.132	1.298	11.01	
59)	2,3,4,6-Tetrac...	0.358	0.338	0.339	0.315	0.314	0.320	0.299	0.326	6.12	
60)	Diethylphthalate	1.530	1.451	1.397	1.289	1.290	1.293	1.216	1.352	8.18	
61)	4-Chlorophenyl...	0.750	0.728	0.689	0.607	0.604	0.605	0.564	0.650	11.10	
62)	4-Nitroaniline	0.340	0.326	0.323	0.298	0.298	0.299	0.280	0.309	6.77	
63)	Azobenzene	1.509	1.451	1.415	1.313	1.296	1.292	1.243	1.360	7.23	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.095	0.105	0.114	0.120	0.116	0.123	0.117	0.113	8.71	
66) c	n-Nitrosodiphe...	0.653	0.623	0.609	0.568	0.559	0.569	0.546	0.590	6.66	
67)	4-Bromophenyl-...	0.225	0.219	0.211	0.198	0.193	0.199	0.191	0.205	6.48	
68)	Hexachlorobenzene	0.251	0.238	0.233	0.220	0.215	0.224	0.212	0.228	6.09	
69)	Atrazine	0.189	0.185	0.164	0.132	0.121			0.158	19.43	
70) C	Pentachlorophenol	0.127	0.132	0.139	0.140	0.135	0.142	0.134	0.135	3.86	
71)	Phenanthrene	1.071	1.024	0.976	0.904	0.883	0.904	0.838	0.943	8.85	
72)	Anthracene	1.078	0.987	0.978	0.896	0.875	0.884	0.833	0.933	9.09	
73)	Carbazole	1.013	0.968	0.946	0.867	0.852	0.852	0.774	0.896	9.22	
74)	Di-n-butylphth...	1.194	1.155	1.143	1.069	1.042	1.051	0.973	1.090	7.09	
75) C	Fluoranthene	1.217	1.139	1.111	0.993	0.958	0.938	0.861	1.031	12.33	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.478	0.458	0.335	0.346	0.240	0.244	0.369	0.353	26.36	
78)	Pyrene	1.799	1.737	1.801	1.817	1.746	1.869	1.753	1.789	2.64	
79) S	Terphenyl-d14	1.296	1.236	1.228	1.209	1.176	1.241	1.147	1.219	3.96	
80)	Butylbenzylphth...	0.624	0.609	0.645	0.649	0.646	0.670	0.634	0.640	3.08	
81)	Benzo(a)anthra...	1.476	1.348	1.331	1.252	1.274	1.300	1.224	1.315	6.33	
82)	3,3'-Dichlorob...	0.440	0.421	0.414	0.395	0.370	0.393	0.383	0.402	5.98	
83)	Chrysene	1.330	1.242	1.254	1.189	1.116	1.168	1.117	1.202	6.49	
84)	Bis(2-ethylhex...	0.748	0.746	0.796	0.816	0.813	0.849	0.823	0.799	4.84	
85) c	Di-n-octyl pht...	1.038	1.032	1.127	1.189	1.201	1.309	1.319	1.174	9.89	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.021	1.065	1.202	1.210	1.220	1.269	1.253	1.177	8.12	
88)	Benzo(b)fluora...	1.541	1.415	1.347	1.153	1.261	1.206	1.130	1.293	11.55	
89)	Benzo(k)fluora...	1.122	1.177	1.191	1.126	0.998	1.039	1.025	1.097	6.97	
90) C	Benzo(a)pyrene	1.076	1.060	1.042	0.992	0.996	0.999	0.973	1.020	3.84	
91)	Dibenzo(a,h)an...	0.850	0.898	0.988	1.008	1.014	1.050	1.027	0.976	7.56	
92)	Benzo(g,h,i)pe...	0.833	0.865	0.993	1.020	1.015	1.066	1.062	0.979	9.50	

(#) = Out of Range