

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF050922.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon May 09 15:30:11 2022
 Response Via : Initial Calibration

Calibration Files

1 =BF128141.D 5 =BF128142.D 10 =BF128143.D 20 =BF128144.D 40 =BF128145.D 50 =BF128146.D 60 =BF128147.D 80 =BF128148.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.581	0.574	0.616	0.569	0.527	0.541	0.498	0.558	6.98	
3)	Pyridine	1.508	1.569	1.641	1.482	1.395	1.436	1.333	1.481	7.05	
4)	n-Nitrosodimet...	0.724	0.744	0.807	0.762	0.706	0.736	0.687	0.738	5.30	
5) S	2-Fluorophenol	1.390	1.366	1.422	1.240	1.147	1.170	1.048	1.255	11.29	
6)	Aniline	1.961	1.990	2.116	1.895	1.749	1.795	1.612	1.874	9.01	
7) S	Phenol-d6	1.837	1.816	1.852	1.645	1.510	1.551	1.404	1.659	10.80	
8)	2-Chlorophenol	1.400	1.404	1.433	1.274	1.185	1.185	1.065	1.278	10.96	
9)	Benzaldehyde	1.226	1.190	1.082	0.821	0.749	0.681		0.958	24.68	
10) C	Phenol	1.880	1.893	1.963	1.776	1.628	1.644	1.465	1.750	10.19	
11)	bis(2-Chloroet...	1.430	1.371	1.453	1.310	1.224	1.251	1.133	1.311	8.86	
12)	1,3-Dichlorobe...	1.565	1.546	1.613	1.438	1.329	1.353	1.223	1.438	9.99	
13) C	1,4-Dichlorobe...	1.572	1.575	1.654	1.459	1.338	1.356	1.218	1.453	10.78	
14)	1,2-Dichlorobe...	1.560	1.503	1.548	1.359	1.255	1.248	1.114	1.370	12.60	
15)	Benzyl Alcohol	1.406	1.387	1.472	1.322	1.224	1.248	1.121	1.311	9.26	
16)	2,2'-oxybis(1-...	2.046	2.074	2.177	1.974	1.820	1.856	1.658	1.943	9.10	
17)	2-Methylphenol	1.190	1.171	1.172	1.090	1.006	1.028	0.933	1.084	9.13	
18)	Hexachloroethane	0.606	0.566	0.604	0.549	0.517	0.520	0.482	0.549	8.44	
19) P	n-Nitroso-di-n...	1.116	1.092	1.079	1.121	1.015	0.921	0.961	0.870	1.022	9.32
20)	3+4-Methylphenols		1.516	1.476	1.546	1.330	1.212	1.235	1.082	1.342	13.11
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.540	0.528	0.551	0.490	0.465	0.465	0.447	0.498	8.32	
23) S	Nitrobenzene-d5	0.466	0.452	0.478	0.447	0.423	0.430	0.416	0.444	5.15	
24)	Nitrobenzene	0.418	0.413	0.445	0.418	0.396	0.397	0.385	0.410	4.80	
25)	Isophorone	0.700	0.690	0.744	0.705	0.671	0.684	0.683	0.697	3.42	
26) C	2-Nitrophenol	0.181	0.178	0.193	0.184	0.176	0.176	0.173	0.180	3.73	
27)	2,4-Dimethylph...	0.284	0.282	0.299	0.278	0.268	0.270	0.261	0.278	4.51	
28)	bis(2-Chloroet...	0.454	0.451	0.474	0.444	0.423	0.426	0.412	0.440	4.84	
29) C	2,4-Dichloroph...	0.293	0.298	0.319	0.295	0.282	0.283	0.273	0.292	5.04	
30)	1,2,4-Trichlor...	0.348	0.346	0.366	0.335	0.319	0.319	0.308	0.335	6.11	
31)	Naphthalene	1.046	1.038	1.082	0.991	0.936	0.936	0.884	0.988	7.27	
32)	Benzoic acid		0.149	0.201	0.224	0.218	0.228	0.225	0.208	14.55	
33)	4-Chloroaniline	0.406	0.412	0.423	0.388	0.374	0.379	0.363	0.392	5.59	
34) C	Hexachlorobuta...	0.232	0.235	0.245	0.227	0.214	0.213	0.207	0.225	6.17	
35)	Caprolactam	0.095	0.096	0.100	0.097	0.092	0.094	0.092	0.095	3.13	
36) C	4-Chloro-3-met...	0.330	0.329	0.356	0.331	0.313	0.316	0.309	0.326	4.83	
37)	2-Methylnaphth...	0.715	0.695	0.730	0.667	0.626	0.627	0.601	0.666	7.42	
38)	1-Methylnaphth...	0.682	0.679	0.697	0.633	0.607	0.600	0.579	0.640	7.30	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF050922.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.629	0.612	0.648	0.593	0.557	0.563	0.528	0.590	7.28	
41) P	Hexachlorocycl...		0.137	0.220	0.257	0.247	0.267	0.271	0.233	21.65	
42) S	2,4,6-Tribromo...	0.235	0.239	0.253	0.232	0.217	0.221	0.209	0.229	6.53	
43) C	2,4,6-Trichlor...	0.381	0.377	0.418	0.391	0.367	0.375	0.352	0.380	5.45	
44)	2,4,5-Trichlor...	0.418	0.407	0.439	0.416	0.392	0.393	0.372	0.405	5.34	
45) S	2-Fluorobiphenyl	1.468	1.379	1.412	1.263	1.176	1.163	1.088	1.278	11.24	
46)	1,1'-Biphenyl	1.571	1.536	1.592	1.473	1.367	1.361	1.293	1.456	8.03	
47)	2-Chloronaphth...	1.158	1.126	1.191	1.090	1.016	1.012	0.960	1.079	7.92	
48)	2-Nitroaniline	0.369	0.383	0.420	0.405	0.378	0.386	0.368	0.387	4.91	
49)	Acenaphthylene	1.752	1.712	1.811	1.665	1.545	1.520	1.421	1.632	8.62	
50)	Dimethylphthalate	1.351	1.314	1.409	1.301	1.223	1.238	1.198	1.291	5.85	
51)	2,6-Dinitrotol...	0.293	0.286	0.307	0.290	0.272	0.274	0.259	0.283	5.59	
52) C	Acenaphthene	1.185	1.166	1.246	1.145	1.064	1.085	1.031	1.132	6.68	
53)	3-Nitroaniline	0.311	0.319	0.336	0.314	0.295	0.293	0.281	0.307	6.10	
54) P	2,4-Dinitrophenol		0.119	0.161	0.166	0.157	0.170	0.167	0.157	12.10	
55)	Dibenzofuran	1.787	1.718	1.800	1.596	1.513	1.465	1.370	1.607	10.39	
56) P	4-Nitrophenol	0.195	0.206	0.237	0.225	0.216	0.216	0.207	0.214	6.46	
57)	2,4-Dinitrotol...	0.379	0.389	0.427	0.390	0.363	0.360	0.341	0.379	7.27	
58)	Fluorene	1.399	1.340	1.382	1.253	1.165	1.140	1.083	1.252	10.04	
59)	2,3,4,6-Tetrac...	0.353	0.349	0.380	0.357	0.330	0.337	0.318	0.346	5.80	
60)	Diethylphthalate	1.375	1.345	1.426	1.294	1.218	1.199	1.156	1.288	7.78	
61)	4-Chlorophenyl...	0.687	0.661	0.693	0.627	0.587	0.572	0.541	0.624	9.52	
62)	4-Nitroaniline	0.318	0.323	0.347	0.317	0.299	0.292	0.283	0.311	6.95	
63)	Azobenzene	1.498	1.442	1.541	1.432	1.349	1.337	1.272	1.410	6.77	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.103	0.113	0.135	0.135	0.129	0.133	0.128	0.125	9.99	
66) c	n-Nitrosodiphe...	0.628	0.597	0.638	0.585	0.545	0.559	0.528	0.583	7.15	
67)	4-Bromophenyl-...	0.227	0.219	0.237	0.216	0.204	0.208	0.196	0.215	6.50	
68)	Hexachlorobenzene	0.245	0.243	0.255	0.236	0.224	0.228	0.217	0.235	5.65	
69)	Atrazine	0.214	0.203	0.216	0.196	0.186	0.186	0.175	0.197	7.77	
70) C	Pentachlorophenol	0.085	0.095	0.125	0.127	0.120	0.126	0.121	0.114	14.64	
71)	Phenanthrene	1.085	1.055	1.088	0.986	0.937	0.942	0.878	0.996	8.21	
72)	Anthracene	1.089	1.040	1.096	0.991	0.924	0.939	0.882	0.994	8.40	
73)	Carbazole	1.037	0.992	1.043	0.948	0.889	0.874	0.837	0.945	8.64	
74)	Di-n-butylphth...	1.163	1.134	1.209	1.085	1.029	1.024	0.975	1.088	7.73	
75) C	Fluoranthene	1.191	1.144	1.187	1.064	1.009	1.014	0.949	1.080	8.84	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.465	0.485	0.440	0.417	0.359		0.433	11.31	
78)	Pyrene	1.454	1.390	1.540	1.462	1.444	1.460	1.400	1.450	3.40	
79) S	Terphenyl-d14	1.135	1.059	1.122	1.055	1.033	1.053	1.003	1.066	4.41	
80)	Butylbenzylphth...	0.573	0.569	0.637	0.616	0.605	0.626	0.594	0.603	4.30	
81)	Benzo(a)anthra...	1.326	1.272	1.371	1.290	1.229	1.266	1.188	1.277	4.72	
82)	3,3'-Dichlorob...	0.325	0.320	0.337	0.281	0.263	0.255	0.226	0.287	14.56	
83)	Chrysene	1.293	1.234	1.321	1.211	1.153	1.200	1.121	1.219	5.85	
84)	Bis(2-ethylhex...	0.795	0.784	0.864	0.834	0.815	0.832	0.777	0.815	3.84	
85) c	Di-n-octyl pht...	1.277	1.269	1.394	1.341	1.272	1.319	1.237	1.301	4.09	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050922.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.217	1.172	1.225	1.182	1.219	1.200	1.253	1.210	2.27	
88)	Benzo(b)fluora...	1.221	1.221	1.302	1.257	1.206	1.279	1.193	1.240	3.26	
89)	Benzo(k)fluora...	1.250	1.250	1.369	1.253	1.207	1.129	1.109	1.224	7.15	
90) C	Benzo(a)pyrene	0.997	1.004	1.085	1.015	0.980	0.984	0.940	1.001	4.43	
91)	Dibenzo(a,h)an...	0.963	0.960	0.999	0.962	0.984	0.982	1.006	0.979	1.90	
92)	Benzo(g,h,i)pe...	0.967	0.958	0.978	0.957	1.016	1.003	1.063	0.992	3.87	

(#) = Out of Range