

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM103023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Oct 31 02:55:18 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BM042488.D 5 =BM042489.D 10 =BM042490.D 20 =BM042491.D 40 =BM042492.D 50 =BM042493.D 60 =BM042494.D 80 =BM042495.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.585	0.580	0.630	0.585	0.570	0.594	0.590	0.591	3.25	
3) Pyridine	1.666	1.580	1.781	1.681	1.674	1.709	1.767	1.694	4.00	
4) n-Nitrosodimet...	0.783	0.744	0.841	0.812	0.808	0.840	0.878	0.815	5.36	
5) S 2-Fluorophenol	1.147	1.153	1.298	1.240	1.243	1.273	1.321	1.239	5.44	
6) Aniline	1.951	1.957	2.253	2.188	2.191	2.240	2.344	2.160	6.95	
7) S Phenol-d6	1.520	1.550	1.786	1.717	1.715	1.770	1.838	1.700	7.07	
8) 2-Chlorophenol	1.255	1.216	1.398	1.330	1.349	1.371	1.435	1.336	5.80	
9) Benzaldehyde	1.137	1.043	1.068	0.954	0.911	0.877	0.867	0.980	10.64	
10) C Phenol	1.590	1.581	1.811	1.723	1.737	1.773	1.868	1.726	6.23	
11) bis(2-Chloroet...	1.403	1.399	1.517	1.439	1.447	1.489	1.526	1.460	3.55	
12) 1,3-Dichlorobe...	1.420	1.362	1.505	1.421	1.414	1.468	1.520	1.444	3.86	
13) C 1,4-Dichlorobe...	1.455	1.368	1.523	1.428	1.443	1.470	1.543	1.462	4.01	
14) 1,2-Dichlorobe...	1.387	1.343	1.455	1.383	1.389	1.434	1.487	1.411	3.50	
15) Benzyl Alcohol	0.933	1.010	1.184	1.256	1.273	1.328	1.437	1.203	14.73	
16) 2,2'-oxybis(1-...	2.316	2.191	2.408	2.286	2.286	2.349	2.431	2.324	3.51	
17) 2-Methylphenol	1.102	1.094	1.250	1.232	1.245	1.284	1.348	1.222	7.61	
18) Hexachloroethane	0.542	0.515	0.594	0.565	0.570	0.596	0.622	0.572	6.32	
19) P n-Nitroso-di-n...	0.986	1.080	1.102	1.262	1.245	1.271	1.300	1.371	1.202	10.88
20) 3+4-Methylphenols	1.370	1.413	1.687	1.681	1.688	1.751	1.850	1.634	10.80	
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.448	0.469	0.517	0.525	0.497	0.522	0.553	0.504	7.09	
23) S Nitrobenzene-d5	0.365	0.384	0.436	0.453	0.430	0.455	0.480	0.429	9.52	
24) Nitrobenzene	0.368	0.380	0.440	0.444	0.420	0.442	0.463	0.423	8.39	
25) Isophorone	0.668	0.662	0.757	0.805	0.764	0.800	0.860	0.759	9.56	
26) C 2-Nitrophenol	0.120	0.132	0.158	0.175	0.167	0.180	0.192	0.161	16.23	
27) 2,4-Dimethylph...	0.250	0.258	0.299	0.307	0.291	0.305	0.324	0.291	9.31	
28) bis(2-Chloroet...	0.408	0.411	0.471	0.481	0.458	0.474	0.499	0.457	7.63	
29) C 2,4-Dichloroph...	0.235	0.246	0.288	0.310	0.295	0.308	0.331	0.287	12.10	
30) 1,2,4-Trichlor...	0.291	0.290	0.322	0.327	0.309	0.323	0.343	0.315	6.21	
31) Naphthalene	0.966	0.958	1.054	1.075	1.007	1.060	1.113	1.033	5.61	
32) Benzoic acid		0.157	0.211	0.230	0.226	0.248		0.215	16.17	
33) 4-Chloroaniline	0.305	0.343	0.402	0.446	0.419	0.439	0.467	0.403	14.54	
34) C Hexachlorobuta...	0.178	0.171	0.191	0.196	0.189	0.201	0.212	0.191	7.18	
35) Caprolactam		0.077	0.093	0.108	0.102	0.108	0.118	0.101	13.98	
36) C 4-Chloro-3-met...	0.263	0.280	0.323	0.353	0.336	0.353	0.382	0.327	12.97	
37) 2-Methylnaphth...	0.663	0.654	0.736	0.766	0.719	0.752	0.805	0.728	7.48	
38) 1-Methylnaphth...	0.621	0.620	0.693	0.717	0.679	0.706	0.759	0.685	7.39	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.539	0.540	0.604	0.616	0.589	0.622	0.672	0.597	7.89	
41) P	Hexachlorocycl...	0.225	0.285	0.316	0.311	0.344	0.373	0.309		16.53	
42) S	2,4,6-Tribromo...	0.203	0.251	0.272	0.261	0.278	0.302	0.261		12.82	
43) C	2,4,6-Trichlor...	0.309	0.329	0.388	0.408	0.386	0.413	0.445	0.383	12.55	
44)	2,4,5-Trichlor...	0.384	0.393	0.458	0.485	0.458	0.483	0.526	0.455	11.21	
45) S	2-Fluorobiphenyl	1.372	1.363	1.514	1.537	1.454	1.536	1.628	1.486	6.46	
46)	1,1'-Biphenyl	1.411	1.400	1.561	1.602	1.496	1.567	1.664	1.529	6.41	
47)	2-Chloronaphth...	1.018	1.047	1.148	1.177	1.097	1.148	1.216	1.122	6.32	
48)	2-Nitroaniline	0.252	0.296	0.375	0.444	0.421	0.449	0.490	0.390	22.36	
49)	Acenaphthylene	1.626	1.651	1.902	1.977	1.856	1.930	2.060	1.857	8.76	
50)	Dimethylphthalate	1.336	1.355	1.522	1.589	1.472	1.543	1.648	1.495	7.77	
51)	2,6-Dinitrotol...	0.248	0.262	0.312	0.334	0.315	0.332	0.353	0.308	12.67	
52) C	Acenaphthene	1.028	1.019	1.150	1.184	1.115	1.158	1.237	1.127	7.11	
53)	3-Nitroaniline	0.182	0.216	0.295	0.335	0.322	0.348	0.372	0.296	24.02	
54) P	2,4-Dinitrophenol	0.101	0.149	0.195	0.187	0.207	0.227	0.177		25.69	
55)	Dibenzofuran	1.644	1.661	1.868	1.929	1.809	1.894	2.025	1.833	7.62	
56) P	4-Nitrophenol	0.142	0.207	0.250	0.242	0.267	0.290	0.233		22.52	
57)	2,4-Dinitrotol...	0.274	0.321	0.407	0.456	0.434	0.462	0.504	0.408	20.19	
58)	Fluorene	1.305	1.336	1.493	1.580	1.472	1.548	1.647	1.483	8.45	
59)	2,3,4,6-Tetrac...	0.317	0.334	0.388	0.410	0.385	0.409	0.441	0.384	11.46	
60)	Diethylphthalate	1.305	1.327	1.547	1.629	1.519	1.586	1.688	1.514	9.65	
61)	4-Chlorophenyl...	0.645	0.651	0.751	0.793	0.747	0.794	0.862	0.749	10.50	
62)	4-Nitroaniline	0.103	0.154	0.238	0.295	0.286	0.314	0.338	0.247	35.45	
63)	Azobenzene	1.331	1.442	1.725	1.831	1.711	1.780	1.862	1.669	12.14	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.078	0.105	0.126	0.121	0.129	0.140	0.117		18.93	
66) c	n-Nitrosodiphe...	0.491	0.505	0.571	0.606	0.564	0.586	0.625	0.564	8.80	
67)	4-Bromophenyl-...	0.171	0.174	0.197	0.214	0.199	0.211	0.233	0.200	11.00	
68)	Hexachlorobenzene	0.198	0.197	0.220	0.235	0.219	0.230	0.249	0.221	8.53	
69)	Atrazine	0.146	0.154	0.171	0.173	0.161	0.167	0.167	0.163	5.97	
70) C	Pentachlorophenol	0.127	0.151	0.170	0.163	0.175	0.190	0.163		13.25	
71)	Phenanthrene	0.944	0.942	1.047	1.116	1.031	1.077	1.158	1.045	7.81	
72)	Anthracene	0.881	0.893	1.027	1.133	1.042	1.093	1.178	1.035	10.96	
73)	Carbazole	0.666	0.728	0.838	0.975	0.901	0.945		0.842	14.62	
74)	Di-n-butylphth...	0.934	1.000	1.183	1.302	1.219	1.271	1.370	1.183	13.53	
75) C	Fluoranthene	1.009	1.067	1.216	1.329	1.235	1.312	1.425	1.228	11.99	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.187	0.205	0.197	0.196	0.171	0.197	0.190	0.192	5.68	
78)	Pyrene	1.173	1.149	1.321	1.436	1.428	1.496	1.610	1.373	12.31	
79) S	Terphenyl-d14	0.946	0.958	1.143	1.267	1.243	1.308	1.392	1.180	14.62	
80)	Butylbenzylpht...	0.470	0.472	0.578	0.634	0.625	0.635	0.692	0.587	14.62	
81)	Benzo(a)anthra...	1.097	1.111	1.258	1.319	1.276	1.360	1.486	1.273	10.75	
82)	3,3'-Dichlorob...	0.330	0.362	0.410	0.438	0.408	0.431	0.452	0.404	10.87	
83)	Chrysene	1.212	1.205	1.293	1.333	1.265	1.312	1.428	1.293	5.94	
84)	Bis(2-ethylhex...	0.767	0.791	0.895	0.933	0.886	0.933	0.999	0.886	9.26	
85) c	Di-n-octyl pht...	1.376	1.402	1.561	1.577	1.514	1.568	1.683	1.526	6.99	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	0.989	0.957	1.144	1.243	1.257	1.328	1.414	1.190	14.29	
88)	Benzo(b)fluora...	0.920	0.971	1.059	1.163	1.151	1.232	1.304	1.114	12.40	
89)	Benzo(k)fluora...	1.162	1.093	1.233	1.237	1.240	1.312	1.414	1.242	8.28	
90) C	Benzo(a)pyrene	0.871	0.977	1.095	1.141	1.124	1.202	1.268	1.097	12.25	
91)	Dibenzo(a,h)an...	0.709	0.755	0.962	1.036	1.020	1.086	1.199	0.967	18.26	
92)	Benzo(g,h,i)pe...	0.896	0.912	1.040	1.065	1.080	1.146	1.205	1.049	10.80	

(#) = Out of Range