

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM093022.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Sep 30 15:41:14 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM036805.D 10 =BM036806.D 20 =BM036807.D 40 =BM036808.D 50 =BM036809.D 60 =BM036810.D 80 =BM036811.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.541	0.489	0.495	0.467	0.449	0.462	0.446	0.479	6.93
3)	Pyridine	1.398	1.406	1.496	1.498	1.487	1.539	1.508	1.476	3.62
4)	n-Nitrosodimet...	0.593	0.585	0.604	0.594	0.580	0.588	0.567	0.587	2.01
5) S	2-Fluorophenol	1.118	1.079	1.155	1.148	1.135	1.184	1.166	1.141	3.02
6)	Aniline	1.949	1.902	2.110	2.144	2.072	2.123	2.054	2.051	4.46
7) S	Phenol-d6	1.536	1.510	1.659	1.716	1.680	1.723	1.673	1.643	5.17
8)	2-Chlorophenol	1.338	1.307	1.417	1.401	1.361	1.403	1.360	1.370	2.89
9)	Benzaldehyde	1.167	1.117	1.117	0.985	0.920	0.888	0.776	0.996	14.46
10) C	Phenol	1.759	1.726	1.888	1.926	1.886	1.940	1.865	1.856	4.42
11)	bis(2-Chloroet...	1.470	1.414	1.550	1.509	1.463	1.492	1.455	1.479	2.94
12)	1,3-Dichlorobe...	1.511	1.446	1.522	1.477	1.430	1.473	1.422	1.469	2.62
13) C	1,4-Dichlorobe...	1.542	1.499	1.584	1.519	1.472	1.519	1.464	1.514	2.72
14)	1,2-Dichlorobe...	1.507	1.442	1.533	1.469	1.423	1.461	1.406	1.463	3.09
15)	Benzyl Alcohol	1.197	1.184	1.309	1.331	1.297	1.314	1.278	1.273	4.62
16)	2,2'-oxybis(1-...	2.011	1.970	2.065	1.959	1.862	1.879	1.782	1.933	5.02
17)	2-Methylphenol	1.136	1.167	1.282	1.273	1.235	1.248	1.212	1.222	4.43
18)	Hexachloroethane	0.552	0.529	0.566	0.551	0.539	0.559	0.543	0.548	2.25
19) P	n-Nitroso-di-n...	1.161	1.192	1.286	1.270	1.212	1.217	1.164	1.215	3.98
20)	3+4-Methylphenols	1.610	1.624	1.781	1.789	1.723	1.759	1.710	1.714	4.21
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.483	0.487	0.526	0.536	0.515	0.538	0.523	0.515	4.31
23) S	Nitrobenzene-d5	0.348	0.353	0.389	0.402	0.389	0.407	0.391	0.382	6.04
24)	Nitrobenzene	0.368	0.373	0.407	0.414	0.399	0.417	0.403	0.397	4.90
25)	Isophorone	0.626	0.654	0.718	0.762	0.731	0.757	0.738	0.712	7.32
26) C	2-Nitrophenol	0.122	0.128	0.150	0.171	0.166	0.179	0.179	0.156	14.99
27)	2,4-Dimethylph...	0.237	0.242	0.266	0.283	0.272	0.283	0.278	0.266	7.14
28)	bis(2-Chloroet...	0.414	0.409	0.434	0.444	0.421	0.437	0.426	0.426	2.92
29) C	2,4-Dichloroph...	0.246	0.256	0.291	0.309	0.296	0.313	0.311	0.289	9.42
30)	1,2,4-Trichlor...	0.293	0.284	0.305	0.313	0.303	0.321	0.314	0.305	4.18
31)	Naphthalene	1.067	1.039	1.106	1.113	1.069	1.117	1.084	1.085	2.63
32)	Benzoic acid	0.154	0.197	0.241	0.237	0.254	0.252	0.223	0.223	17.62
33)	4-Chloroaniline	0.412	0.420	0.454	0.473	0.457	0.476	0.466	0.451	5.60
34) C	Hexachlorobuta...	0.168	0.160	0.172	0.175	0.169	0.178	0.173	0.171	3.33
35)	Caprolactam	0.081	0.092	0.103	0.115	0.110	0.115	0.114	0.104	12.51
36) C	4-Chloro-3-met...	0.302	0.318	0.347	0.370	0.353	0.368	0.362	0.346	7.61
37)	2-Methylnaphth...	0.715	0.707	0.756	0.786	0.744	0.780	0.756	0.749	4.03
38)	1-Methylnaphth...	0.714	0.699	0.747	0.768	0.733	0.760	0.738	0.737	3.35

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.463	0.456	0.505	0.523	0.506	0.528	0.521	0.500	5.81
41) P	Hexachlorocycl...	0.197	0.207	0.240	0.266	0.252	0.264	0.264	0.241	11.79
42) S	2,4,6-Tribromo...	0.159	0.170	0.189	0.204	0.198	0.209	0.208	0.191	10.15
43) C	2,4,6-Trichlor...	0.299	0.306	0.357	0.386	0.375	0.392	0.393	0.358	11.20
44)	2,4,5-Trichlor...	0.346	0.358	0.404	0.430	0.422	0.438	0.434	0.405	9.33
45) S	2-Fluorobiphenyl	1.267	1.247	1.365	1.380	1.320	1.359	1.278	1.317	4.05
46)	1,1'-Biphenyl	1.396	1.374	1.483	1.507	1.438	1.497	1.454	1.450	3.49
47)	2-Chloronaphth...	1.061	1.056	1.143	1.168	1.126	1.176	1.148	1.126	4.31
48)	2-Nitroaniline	0.296	0.325	0.378	0.411	0.398	0.418	0.412	0.377	12.70
49)	Acenaphthylene	1.650	1.678	1.869	1.934	1.869	1.925	1.874	1.828	6.32
50)	Dimethylphthalate	1.391	1.403	1.502	1.557	1.488	1.534	1.505	1.483	4.25
51)	2,6-Dinitrotol...	0.254	0.270	0.302	0.323	0.314	0.327	0.325	0.302	9.67
52) C	Acenaphthene	1.099	1.070	1.152	1.190	1.146	1.185	1.152	1.142	3.83
53)	3-Nitroaniline	0.283	0.312	0.362	0.392	0.379	0.399	0.397	0.360	12.71
54) P	2,4-Dinitrophenol	0.111	0.138	0.170	0.167	0.182	0.189	0.159		18.39
55)	Dibenzofuran	1.732	1.702	1.815	1.821	1.746	1.822	1.753	1.770	2.74
56) P	4-Nitrophenol	0.228	0.255	0.296	0.318	0.311	0.327	0.327	0.295	13.11
57)	2,4-Dinitrotol...	0.309	0.346	0.405	0.443	0.433	0.453	0.454	0.406	14.08
58)	Fluorene	1.412	1.418	1.526	1.569	1.492	1.538	1.466	1.489	4.03
59)	2,3,4,6-Tetrac...	0.310	0.324	0.355	0.375	0.357	0.373	0.368	0.352	7.17
60)	Diethylphthalate	1.423	1.442	1.558	1.619	1.546	1.613	1.568	1.538	5.04
61)	4-Chlorophenyl...	0.641	0.644	0.683	0.706	0.679	0.699	0.673	0.675	3.71
62)	4-Nitroaniline	0.298	0.336	0.392	0.420	0.410	0.433	0.429	0.388	13.37
63)	Azobenzene	1.421	1.495	1.646	1.697	1.612	1.669	1.605	1.592	6.23
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.077	0.096	0.113	0.112	0.120	0.124	0.107		16.60
66) c	n-Nitrosodiphe...	0.553	0.553	0.603	0.627	0.608	0.624	0.608	0.597	5.23
67)	4-Bromophenyl-...	0.170	0.167	0.185	0.196	0.190	0.197	0.197	0.186	6.78
68)	Hexachlorobenzene	0.198	0.194	0.211	0.222	0.216	0.225	0.223	0.213	5.83
69)	Atrazine	0.168	0.169	0.186	0.196	0.186	0.189	0.184	0.183	5.75
70) C	Pentachlorophenol	0.103	0.114	0.133	0.147	0.143	0.152	0.151	0.135	14.40
71)	Phenanthrene	1.080	1.061	1.139	1.162	1.131	1.162	1.119	1.122	3.46
72)	Anthracene	0.983	0.989	1.085	1.127	1.094	1.133	1.093	1.072	5.74
73)	Carbazole	0.955	0.963	1.053	1.083	1.059	1.095	1.051	1.037	5.36
74)	Di-n-butylphth...	1.141	1.196	1.325	1.412	1.374	1.410	1.346	1.315	8.07
75) C	Fluoranthene	1.174	1.180	1.284	1.338	1.315	1.351	1.297	1.277	5.63
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.465	0.422	0.410	0.466	0.374	0.423	0.477	0.434	8.56
78)	Pyrene	1.234	1.204	1.334	1.365	1.294	1.328	1.274	1.290	4.45
79) S	Terphenyl-d14	0.907	0.888	0.986	0.968	0.902	0.896	0.772	0.903	7.63
80)	Butylbenzylpht...	0.466	0.489	0.580	0.643	0.613	0.643	0.643	0.583	12.95
81)	Benzo(a)anthra...	1.244	1.217	1.331	1.354	1.293	1.343	1.283	1.295	4.00
82)	3,3'-Dichlorob...	0.360	0.365	0.422	0.431	0.410	0.421	0.395	0.400	7.11
83)	Chrysene	1.190	1.153	1.253	1.283	1.243	1.285	1.207	1.231	4.01
84)	Bis(2-ethylhex...	0.709	0.776	0.910	0.992	0.945	0.953	0.901	0.884	11.60
85) c	Di-n-octyl pht...	1.131	1.237	1.457	1.617	1.570	1.611	1.509	1.447	13.19

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.316	1.306	1.454	1.530	1.516	1.558	1.501	1.455	7.08	
88)	Benzo(b)fluora...	1.158	1.126	1.266	1.301	1.232	1.265	1.229	1.225	5.09	
89)	Benzo(k)fluora...	1.137	1.151	1.244	1.324	1.277	1.321	1.239	1.242	6.01	
90) C	Benzo(a)pyrene	0.916	0.923	1.031	1.088	1.054	1.094	1.063	1.024	7.29	
91)	Dibenzo(a,h)an...	1.102	1.104	1.226	1.296	1.282	1.311	1.248	1.224	7.15	
92)	Benzo(g,h,i)pe...	1.061	1.056	1.170	1.208	1.211	1.256	1.223	1.169	6.82	

(#) = Out of Range