

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM071822.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jul 18 17:08:15 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM035851.D 10 =BM035852.D 20 =BM035853.D 40 =BM035854.D 50 =BM035855.D 60 =BM035856.D 80 =BM035857.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.555	0.536	0.577	0.540	0.511	0.524	0.490	0.533	5.35
3)	Pyridine	1.411	1.389	1.529	1.459	1.374	1.397	1.361	1.417	4.14
4)	n-Nitrosodimet...	0.590	0.580	0.638	0.610	0.585	0.577	0.566	0.592	4.10
5) S	2-Fluorophenol	1.290	1.263	1.383	1.327	1.256	1.284	1.227	1.290	4.01
6)	Aniline	1.771	1.737	1.955	1.840	1.745	1.725	1.698	1.782	4.97
7) S	Phenol-d6	1.632	1.569	1.770	1.658	1.595	1.579	1.553	1.622	4.61
8)	2-Chlorophenol	1.343	1.315	1.432	1.368	1.304	1.305	1.264	1.333	4.09
9)	Benzaldehyde	1.073	0.984	1.002	0.827	0.828	0.754		0.911	13.76
10) C	Phenol	1.645	1.596	1.795	1.669	1.595	1.584	1.553	1.634	4.95
11)	bis(2-Chloroet...	1.370	1.313	1.429	1.335	1.288	1.263	1.229	1.318	5.12
12)	1,3-Dichlorobe...	1.516	1.476	1.611	1.524	1.442	1.455	1.385	1.487	4.85
13) C	1,4-Dichlorobe...	1.548	1.506	1.638	1.545	1.473	1.478	1.411	1.514	4.76
14)	1,2-Dichlorobe...	1.517	1.474	1.594	1.486	1.408	1.422	1.348	1.464	5.47
15)	Benzyl Alcohol	1.085	1.025	1.173	1.093	1.051	1.025	1.031	1.069	5.02
16)	2,2'-oxybis(1-...	1.807	1.713	1.885	1.756	1.659	1.615	1.578	1.716	6.34
17)	2-Methylphenol	1.112	1.035	1.155	1.082	1.030	1.009	1.001	1.061	5.42
18)	Hexachloroethane	0.552	0.540	0.578	0.559	0.537	0.533	0.513	0.545	3.83
19) P	n-Nitroso-di-n...	0.990	0.903	1.043	0.965	0.920	0.879	0.883	0.941	6.50
20)	3+4-Methylphenols	1.498	1.387	1.588	1.456	1.396	1.349	1.361	1.434	6.01
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.480	0.470	0.519	0.511	0.493	0.501	0.485	0.494	3.53
23) S	Nitrobenzene-d5	0.355	0.350	0.392	0.389	0.374	0.384	0.373	0.374	4.31
24)	Nitrobenzene	0.339	0.337	0.368	0.364	0.346	0.357	0.347	0.351	3.51
25)	Isophorone	0.563	0.542	0.629	0.603	0.584	0.587	0.587	0.585	4.78
26) C	2-Nitrophenol	0.143	0.135	0.161	0.165	0.165	0.169	0.169	0.158	8.71
27)	2,4-Dimethylph...	0.236	0.233	0.264	0.258	0.251	0.254	0.251	0.250	4.56
28)	bis(2-Chloroet...	0.402	0.388	0.432	0.420	0.403	0.407	0.398	0.407	3.55
29) C	2,4-Dichloroph...	0.257	0.254	0.291	0.289	0.280	0.287	0.280	0.277	5.55
30)	1,2,4-Trichlor...	0.309	0.301	0.331	0.329	0.319	0.329	0.318	0.319	3.51
31)	Naphthalene	0.986	0.983	1.079	1.049	1.002	1.026	0.989	1.016	3.62
32)	Benzoic acid	0.167	0.153	0.193	0.198	0.201	0.200	0.210	0.189	10.94
33)	4-Chloroaniline	0.380	0.386	0.442	0.422	0.404	0.407	0.405	0.407	5.16
34) C	Hexachlorobuta...	0.175	0.175	0.189	0.189	0.184	0.190	0.182	0.183	3.56
35)	Caprolactam	0.078	0.074	0.097	0.086	0.085	0.084	0.088	0.085	8.85
36) C	4-Chloro-3-met...	0.267	0.258	0.312	0.291	0.284	0.283	0.290	0.284	6.07
37)	2-Methylnaphth...	0.643	0.628	0.712	0.681	0.653	0.661	0.650	0.661	4.19
38)	1-Methylnaphth...	0.631	0.612	0.694	0.661	0.631	0.640	0.635	0.643	4.13

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\										
Method File : 8270-BM071822.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.539	0.538	0.577	0.602	0.575	0.595	0.573	0.571	4.36
41) P	Hexachlorocycl...	0.278	0.274	0.296	0.329	0.320	0.337	0.322	0.308	8.24
42) S	2,4,6-Tribromo...	0.198	0.201	0.246	0.230	0.227	0.231	0.233	0.224	7.79
43) C	2,4,6-Trichlor...	0.339	0.344	0.387	0.402	0.386	0.397	0.388	0.378	6.71
44)	2,4,5-Trichlor...	0.363	0.366	0.417	0.419	0.402	0.414	0.406	0.398	5.96
45) S	2-Fluorobiphenyl	1.373	1.357	1.469	1.496	1.395	1.439	1.376	1.415	3.76
46)	1,1'-Biphenyl	1.469	1.458	1.575	1.593	1.515	1.548	1.492	1.521	3.44
47)	2-Chloronaphth...	1.120	1.117	1.211	1.221	1.160	1.198	1.159	1.169	3.59
48)	2-Nitroaniline	0.278	0.285	0.341	0.340	0.333	0.339	0.340	0.322	8.71
49)	Acenaphthylene	1.699	1.693	1.909	1.885	1.785	1.843	1.790	1.801	4.70
50)	Dimethylphthalate	1.258	1.239	1.429	1.352	1.299	1.325	1.313	1.316	4.78
51)	2,6-Dinitrotol...	0.240	0.246	0.299	0.290	0.279	0.286	0.286	0.275	8.34
52) C	Acenaphthene	1.039	1.023	1.146	1.122	1.063	1.092	1.066	1.079	4.07
53)	3-Nitroaniline	0.269	0.295	0.370	0.347	0.341	0.349	0.348	0.331	10.78
54) P	2,4-Dinitrophenol		0.098	0.138	0.135	0.143	0.147	0.153	0.136	14.49
55)	Dibenzofuran	1.664	1.671	1.857	1.785	1.699	1.734	1.687	1.728	4.07
56) P	4-Nitrophenol	0.217	0.224	0.295	0.270	0.266	0.274	0.274	0.260	11.03
57)	2,4-Dinitrotol...	0.290	0.313	0.399	0.377	0.375	0.381	0.388	0.360	11.54
58)	Fluorene	1.275	1.281	1.482	1.399	1.340	1.374	1.346	1.357	5.26
59)	2,3,4,6-Tetrac...	0.292	0.291	0.352	0.330	0.325	0.327	0.323	0.320	6.80
60)	Diethylphthalate	1.239	1.220	1.438	1.331	1.298	1.306	1.298	1.304	5.43
61)	4-Chlorophenyl...	0.628	0.624	0.713	0.681	0.652	0.665	0.658	0.660	4.62
62)	4-Nitroaniline	0.258	0.298	0.390	0.358	0.352	0.362	0.357	0.339	13.29
63)	Azobenzene	1.224	1.256	1.491	1.393	1.336	1.349	1.328	1.339	6.57
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.075	0.097	0.105	0.105	0.109	0.111	0.100	13.37
66) c	n-Nitrosodiphe...	0.557	0.547	0.607	0.616	0.588	0.608	0.588	0.587	4.50
67)	4-Bromophenyl-...	0.194	0.185	0.203	0.211	0.202	0.207	0.205	0.201	4.28
68)	Hexachlorobenzene	0.224	0.217	0.241	0.244	0.234	0.239	0.234	0.233	4.07
69)	Atrazine	0.162	0.153	0.176	0.170	0.149	0.144	0.126	0.154	10.88
70) C	Pentachlorophenol	0.115	0.110	0.136	0.138	0.135	0.138	0.135	0.130	9.10
71)	Phenanthrene	1.018	1.005	1.110	1.091	1.037	1.069	1.035	1.052	3.70
72)	Anthracene	0.963	0.956	1.086	1.071	1.019	1.048	1.017	1.023	4.89
73)	Carbazole	0.960	0.974	1.137	1.082	1.025	1.066	1.019	1.037	6.00
74)	Di-n-butylphth...	0.974	0.938	1.148	1.089	1.081	1.096	1.068	1.056	6.98
75) C	Fluoranthene	1.042	1.054	1.269	1.176	1.144	1.184	1.137	1.144	6.86
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.392	0.354	0.372	0.289	0.349		0.351	11.06
78)	Pyrene	1.309	1.244	1.352	1.357	1.284	1.313	1.294	1.308	3.01
79) S	Terphenyl-d14	1.020	0.982	1.088	1.081	1.005	1.040	0.980	1.028	4.29
80)	Butylbenzylpht...	0.426	0.407	0.488	0.477	0.483	0.489	0.497	0.467	7.57
81)	Benzo(a)anthra...	1.211	1.187	1.359	1.313	1.257	1.288	1.248	1.266	4.66
82)	3,3'-Dichlorob...		0.273	0.318	0.305	0.297	0.309	0.278	0.297	6.04
83)	Chrysene	1.151	1.162	1.279	1.247	1.193	1.233	1.191	1.208	3.88
84)	Bis(2-ethylhex...	0.577	0.579	0.708	0.678	0.694	0.681	0.689	0.658	8.41
85) c	Di-n-octyl pht...	0.910	0.922	1.105	1.071	1.112	1.087	1.099	1.044	8.45

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\

Method File : 8270-BM071822.M

86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.300	1.323	1.524	1.521	1.499	1.543	1.520	1.461		7.06
88)	Benzo(b)fluora...	1.133	1.084	1.273	1.252	1.165	1.211	1.216	1.191		5.63
89)	Benzo(k)fluora...	1.149	1.169	1.281	1.260	1.243	1.285	1.237	1.232		4.31
90) C	Benzo(a)pyrene	0.930	0.928	1.066	1.054	1.019	1.058	1.038	1.013		5.88
91)	Dibenzo(a,h)an...	1.090	1.108	1.260	1.271	1.240	1.271	1.260	1.214		6.57
92)	Benzo(g,h,i)pe...	1.080	1.095	1.247	1.247	1.218	1.260	1.235	1.198		6.36

(#) = Out of Range