

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF020222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Feb 02 15:08:47 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF126778.D 10 =BF126779.D 20 =BF126780.D 40 =BF126781.D 50 =BF126782.D 60 =BF126783.D 80 =BF126784.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.825	0.810	0.753	0.712	0.709	0.694	0.668	0.739	8.08
3)	Pyridine	2.234	2.179	1.938	1.955	1.977	1.914	1.830	2.004	7.33
4)	n-Nitrosodimet...	0.674	0.647	0.608	0.607	0.620	0.598	0.578	0.619	5.20
5) S	2-Fluorophenol	1.729	1.656	1.633	1.354	1.360	1.278	1.212	1.460	14.16
6)	Aniline	2.808	2.730	2.716	2.524	2.567	2.384	2.314	2.577	7.19
7) S	Phenol-d6	2.379	2.256	2.211	1.908	1.929	1.772	1.684	2.020	13.04
8)	2-Chlorophenol	1.552	1.480	1.489	1.272	1.259	1.188	1.106	1.335	12.82
9)	Benzaldehyde	1.420	1.373	1.505	1.183	1.115	1.029		1.271	14.86
10) C	Phenol	2.526	2.426	2.356	2.027	2.063	1.935	1.801	2.162	12.66
11)	bis(2-Chloroet...	1.991	1.919	1.896	1.649	1.672	1.568	1.497	1.742	11.02
12)	1,3-Dichlorobe...	1.760	1.672	1.652	1.418	1.431	1.338	1.253	1.503	12.70
13) C	1,4-Dichlorobe...	1.753	1.723	1.670	1.441	1.434	1.349	1.267	1.520	12.73
14)	1,2-Dichlorobe...	1.731	1.644	1.595	1.333	1.336	1.220		1.477	13.97
15)	Benzyl Alcohol	1.790	1.717	1.777	1.579	1.593	1.476	1.363	1.614	9.85
16)	2,2'-oxybis(1-...	2.090	2.054	2.061	1.824	1.818	1.690	1.597	1.876	10.43
17)	2-Methylphenol	1.500	1.423	1.433	1.260	1.281	1.168	1.127	1.313	10.80
18)	Hexachloroethane	0.684	0.649	0.652	0.568	0.567	0.539	0.508	0.595	11.13
19) P	n-Nitroso-di-n...	1.536	1.489	1.463	1.255	1.277	1.166	1.124	1.330	12.42
20)	3+4-Methylphenols	1.931	1.894	1.837	1.586	1.574	1.425	1.328	1.654	14.34
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.708	0.643	0.620	0.540	0.534	0.514	0.492	0.579	13.69
23) S	Nitrobenzene-d5	0.597	0.572	0.561	0.513	0.514	0.499	0.484	0.534	7.92
24)	Nitrobenzene	0.591	0.564	0.564	0.509	0.510	0.497	0.477	0.530	8.02
25)	Isophorone	1.006	0.957	0.943	0.877	0.894	0.870	0.874	0.917	5.69
26) C	2-Nitrophenol	0.174	0.179	0.185	0.176	0.178	0.172	0.172	0.177	2.63
27)	2,4-Dimethylph...	0.331	0.328	0.330	0.297	0.299	0.290	0.286	0.309	6.45
28)	bis(2-Chloroet...	0.650	0.623	0.618	0.562	0.560	0.537	0.523	0.582	8.31
29) C	2,4-Dichloroph...	0.326	0.322	0.324	0.295	0.294	0.288	0.279	0.304	6.40
30)	1,2,4-Trichlor...	0.370	0.353	0.349	0.312	0.312	0.302	0.291	0.327	9.16
31)	Naphthalene	1.214	1.155	1.123	0.991	0.985	0.950	0.899	1.045	11.30
32)	Benzoic acid	0.209	0.221	0.235	0.245	0.254	0.247	0.258	0.238	7.54
33)	4-Chloroaniline	0.474	0.457	0.444	0.406	0.407	0.389	0.379	0.422	8.56
34) C	Hexachlorobuta...	0.235	0.219	0.218	0.193	0.194	0.192	0.183	0.205	9.35
35)	Caprolactam	0.121	0.110	0.112	0.109	0.113	0.104	0.105	0.111	5.02
36) C	4-Chloro-3-met...	0.437	0.411	0.405	0.369	0.372	0.360	0.357	0.387	7.89
37)	2-Methylnaphth...	0.733	0.708	0.692	0.614	0.613	0.583	0.565	0.644	10.25
38)	1-Methylnaphth...	0.693	0.690	0.670	0.594	0.591	0.562	0.540	0.620	10.20

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\ Method File : 8270-BF020222.M										
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.698	0.615	0.603	0.541	0.538	0.533	0.503	0.576	11.64
41) P	Hexachlorocycl...	0.338	0.326	0.347	0.325	0.331	0.334	0.323	0.332	2.64
42) S	2,4,6-Tribromo...	0.227	0.214	0.221	0.198	0.202	0.196	0.194	0.208	6.38
43) C	2,4,6-Trichlor...	0.474	0.425	0.431	0.381	0.388	0.379	0.362	0.406	9.65
44)	2,4,5-Trichlor...	0.473	0.445	0.450	0.403	0.399	0.398	0.396	0.424	7.44
45) S	2-Fluorobiphenyl	1.453	1.359	1.155	1.141	1.094	1.045	1.208		13.36
46)	1,1'-Biphenyl	1.742	1.635	1.576	1.370	1.361	1.320	1.248	1.465	12.66
47)	2-Chloronaphth...	1.392	1.261	1.235	1.089	1.088	1.052	1.011	1.161	11.85
48)	2-Nitroaniline	0.489	0.489	0.486	0.458	0.475	0.463	0.455	0.473	3.14
49)	Acenaphthylene	2.112	1.968	1.927	1.694	1.698	1.621	1.529	1.793	11.80
50)	Dimethylphthalate	1.625	1.498	1.439	1.303	1.299	1.276	1.237	1.382	10.27
51)	2,6-Dinitrotol...	0.314	0.296	0.297	0.274	0.276	0.268	0.263	0.284	6.55
52) C	Acenaphthene	1.307	1.236	1.217	1.086	1.083	1.059	1.014	1.143	9.56
53)	3-Nitroaniline	0.343	0.337	0.339	0.316	0.319	0.308	0.303	0.324	4.96
54) P	2,4-Dinitrophenol	0.115	0.139	0.154	0.163	0.160	0.166	0.150		12.91
55)	Dibenzofuran	2.110	1.862	1.812	1.569	1.559	1.486	1.412	1.687	14.74
56) P	4-Nitrophenol	0.268	0.238	0.255	0.237	0.246	0.236	0.234	0.245	5.12
57)	2,4-Dinitrotol...	0.443	0.391	0.401	0.369	0.375	0.362	0.353	0.385	7.94
58)	Fluorene	1.482	1.417	1.360	1.155	1.158	1.111	1.056	1.248	13.42
59)	2,3,4,6-Tetrac...	0.437	0.374	0.388	0.345	0.348	0.346	0.328	0.367	10.07
60)	Diethylphthalate	1.678	1.476	1.436	1.269	1.257	1.217	1.177	1.358	13.22
61)	4-Chlorophenyl...	0.759	0.706	0.682	0.593	0.587	0.565	0.528	0.631	13.41
62)	4-Nitroaniline	0.332	0.298	0.319	0.305	0.307	0.296	0.292	0.307	4.60
63)	Azobenzene	2.230	2.082	2.016	1.776	1.776	1.701	1.613	1.885	11.99
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.099	0.105	0.129	0.128	0.131	0.129	0.129	0.121	11.03
66) c	n-Nitrosodiphe...	0.727	0.711	0.694	0.607	0.599	0.594	0.569	0.643	10.10
67)	4-Bromophenyl-...	0.242	0.242	0.246	0.222	0.218	0.219	0.212	0.229	6.18
68)	Hexachlorobenzene	0.274	0.270	0.267	0.236	0.238	0.239	0.231	0.250	7.46
69)	Atrazine	0.226	0.224	0.228	0.202	0.199	0.196	0.187	0.209	8.06
70) C	Pentachlorophenol	0.131	0.145	0.153	0.146	0.150	0.152	0.146	0.146	4.99
71)	Phenanthrene	1.298	1.226	1.208	1.037	1.021	0.999	0.967	1.108	11.91
72)	Anthracene	1.286	1.220	1.218	1.030	1.040	1.006	0.966	1.109	11.51
73)	Carbazole	1.311	1.125	1.126	0.964	0.973	0.936	0.890	1.047	14.13
74)	Di-n-butylphth...	1.442	1.302	1.323	1.146	1.137	1.102	1.042	1.213	11.85
75) C	Fluoranthene	1.398	1.226	1.212	1.045	1.040	1.012	0.954	1.127	13.92
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.503	0.448	0.540	0.504	0.399	0.429	0.389	0.459	12.61
78)	Pyrene	1.663	1.640	1.625	1.595	1.555	1.550	1.560	1.598	2.84
79) S	Terphenyl-d14	1.322	1.271	1.217	1.168	1.135	1.131	1.125	1.196	6.45
80)	Butylbenzylpht...	0.667	0.635	0.674	0.673	0.670	0.666	0.657	0.663	2.08
81)	Benzo(a)anthra...	1.454	1.381	1.396	1.299	1.275	1.295	1.241	1.335	5.75
82)	3,3'-Dichlorob...	0.423	0.385	0.410	0.378	0.365	0.366	0.347	0.382	6.98
83)	Chrysene	1.450	1.322	1.317	1.210	1.203	1.194	1.149	1.264	8.27
84)	Bis(2-ethylhex...	0.910	0.858	0.897	0.863	0.849	0.844	0.818	0.863	3.63
85) c	Di-n-octyl pht...	1.559	1.125	1.224	1.186	1.188	1.173	1.156	1.230	12.05

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

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.175	1.076	1.191	1.261	1.261	1.308	1.268	1.220	6.44	
88)	Benzo(b)fluora...	1.334	1.421	1.418	1.224	1.248	1.279	1.230	1.308	6.48	
89)	Benzo(k)fluora...	1.439	1.323	1.398	1.262	1.299	1.223	1.188	1.305	6.95	
90) C	Benzo(a)pyrene	1.095	1.045	1.097	1.000	1.032	1.021	1.007	1.042	3.80	
91)	Dibenzo(a,h)an...	0.936	0.903	0.982	1.038	1.034	1.073	1.029	0.999	6.15	
92)	Benzo(g,h,i)pe...	0.960	0.871	0.958	1.029	1.046	1.086	0.958	0.987	7.28	

(#) = Out of Range