

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP101321.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 13 14:54:20 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP007398.D 10 =BP007399.D 20 =BP007400.D 40 =BP007401.D 50 =BP007402.D 60 =BP007403.D 80 =BP007404.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.666	0.569	0.538	0.503	0.479	0.490	0.461	0.529	13.34
3) Pyridine	1.729	1.562	1.478	1.366	1.329	1.307	1.236	1.430	11.98
4) n-Nitrosodimet...	0.741	0.646	0.612	0.596	0.594	0.602	0.581	0.625	8.83
5) S 2-Fluorophenol	1.463	1.322	1.233	1.143	1.112	1.120	1.053	1.207	11.91
6) Aniline	2.248	2.059	1.899	1.772	1.710	1.743	1.640	1.867	11.65
7) S Phenol-d6	1.971	1.802	1.651	1.543	1.492	1.511	1.410	1.626	12.19
8) 2-Chlorophenol	1.477	1.377	1.286	1.176	1.153	1.162	1.098	1.247	11.08
9) Benzaldehyde	1.356	1.209	1.066	0.906	0.873	0.849		1.043	19.70
10) C Phenol	1.892	1.744	1.595	1.503	1.454	1.471	1.386	1.578	11.46
11) bis(2-Chloroet...	1.533	1.400	1.312	1.224	1.166	1.181	1.102	1.274	11.86
12) 1,3-Dichlorobe...	1.778	1.606	1.472	1.373	1.327	1.351	1.253	1.452	12.64
13) C 1,4-Dichlorobe...	1.828	1.613	1.501	1.383	1.337	1.363	1.259	1.469	13.35
14) 1,2-Dichlorobe...	1.732	1.580	1.432	1.308	1.259	1.279	1.191	1.397	14.00
15) Benzyl Alcohol	1.379	1.284	1.217	1.157	1.114	1.142	1.071	1.195	8.93
16) 2,2'-oxybis(1-...	2.054	1.845	1.709	1.602	1.506	1.522	1.421	1.665	13.32
17) 2-Methylphenol	1.267	1.181	1.101	1.019	0.985	0.992	0.932	1.068	11.28
18) Hexachloroethane	0.613	0.573	0.527	0.501	0.490	0.500	0.464	0.524	9.91
19) P n-Nitroso-di-n...	1.174	1.064	0.989	0.895	0.851	0.862	0.794	0.947	14.27
20) 3+4-Methylphenols	1.661	1.566	1.502	1.406	1.368	1.387	1.288	1.454	8.85
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.603	0.553	0.508	0.466	0.450	0.459	0.427	0.495	12.77
23) S Nitrobenzene-d5	0.307	0.310	0.325	0.327	0.330	0.343	0.326	0.324	3.74
24) Nitrobenzene	0.311	0.325	0.330	0.326	0.323	0.333	0.319	0.324	2.23
25) Isophorone	0.782	0.719	0.691	0.643	0.636	0.644	0.609	0.675	8.90
26) C 2-Nitrophenol	0.094	0.098	0.113	0.126	0.136	0.147	0.146	0.123	17.62
27) 2,4-Dimethylph...	0.316	0.290	0.282	0.262	0.259	0.264	0.246	0.274	8.57
28) bis(2-Chloroet...	0.517	0.472	0.453	0.420	0.411	0.419	0.390	0.440	9.85
29) C 2,4-Dichloroph...	0.311	0.302	0.303	0.292	0.291	0.299	0.284	0.298	2.99
30) 1,2,4-Trichlor...	0.406	0.373	0.352	0.331	0.326	0.334	0.315	0.348	9.11
31) Naphthalene	1.194	1.086	1.021	0.937	0.922	0.940	0.885	0.998	11.00
32) Benzoic acid		0.109	0.132	0.152	0.170	0.181	0.186	0.155	19.33
33) 4-Chloroaniline	0.507	0.457	0.439	0.407	0.398	0.401	0.380	0.427	10.25
34) C Hexachlorobuta...	0.255	0.233	0.223	0.210	0.206	0.211	0.199	0.220	8.73
35) Caprolactam	0.066	0.060	0.058	0.058	0.060	0.063	0.060	0.061	4.87
36) C 4-Chloro-3-met...	0.369	0.341	0.341	0.316	0.314	0.321	0.302	0.329	6.82
37) 2-Methylnaphth...	0.839	0.766	0.723	0.661	0.646	0.657	0.615	0.701	11.29
38) 1-Methylnaphth...	0.813	0.754	0.701	0.642	0.625	0.638	0.593	0.681	11.61

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.673	0.649	0.599	0.559	0.546	0.557	0.526	0.587	9.43
41) P	Hexachlorocycl...	0.324	0.312	0.318	0.322	0.320	0.328	0.316	0.320	1.67
42) S	2,4,6-Tribromo...	0.219	0.215	0.210	0.203	0.202	0.207	0.197	0.208	3.70
43) C	2,4,6-Trichlor...	0.383	0.367	0.360	0.343	0.341	0.348	0.327	0.353	5.26
44)	2,4,5-Trichlor...	0.391	0.373	0.357	0.335	0.334	0.342	0.325	0.351	6.78
45) S	2-Fluorobiphenyl	1.630	1.478	1.354	1.223	1.183	1.194	1.097	1.308	14.45
46)	1,1'-Biphenyl	1.737	1.595	1.482	1.364	1.324	1.349	1.258	1.444	11.82
47)	2-Chloronaphth...	1.327	1.221	1.133	1.049	1.022	1.043	0.977	1.110	11.24
48)	2-Nitroaniline	0.176	0.194	0.223	0.253	0.274	0.290	0.288	0.242	18.95
49)	Acenaphthylene	2.070	1.921	1.813	1.681	1.655	1.671	1.559	1.767	10.06
50)	Dimethylphthalate	1.688	1.560	1.470	1.373	1.341	1.372	1.282	1.441	9.85
51)	2,6-Dinitrotol...	0.175	0.207	0.240	0.259	0.266	0.278	0.265	0.241	15.54
52) C	Acenaphthene	1.307	1.200	1.114	1.029	1.019	1.038	0.979	1.098	10.72
53)	3-Nitroaniline	0.213	0.236	0.267	0.284	0.296	0.307	0.296	0.271	12.89
54) P	2,4-Dinitrophenol	0.073	0.072	0.073	0.082	0.091	0.101		0.082	14.45
55)	Dibenzofuran	2.101	1.940	1.795	1.642	1.604	1.630	1.519	1.747	11.97
56) P	4-Nitrophenol	0.168	0.187	0.212	0.229	0.237	0.248	0.243	0.218	13.88
57)	2,4-Dinitrotol...	0.209	0.244	0.295	0.331	0.349	0.375	0.360	0.309	20.29
58)	Fluorene	1.682	1.508	1.363	1.192	1.138	1.144	1.046	1.296	17.83
59)	2,3,4,6-Tetrac...	0.348	0.335	0.341	0.340	0.345	0.357	0.337	0.343	2.17
60)	Diethylphthalate	1.688	1.602	1.504	1.383	1.353	1.379	1.283	1.456	10.07
61)	4-Chlorophenyl...	0.873	0.775	0.707	0.624	0.592	0.598	0.551	0.674	17.24
62)	4-Nitroaniline	0.227	0.244	0.267	0.266	0.266	0.282	0.271	0.260	7.12
63)	Azobenzene	1.672	1.554	1.436	1.315	1.269	1.296	1.209	1.393	12.10
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.054	0.056	0.066	0.077	0.086	0.092	0.095	0.075	22.39
66) c	n-Nitrosodiphe...	0.688	0.625	0.597	0.538	0.531	0.529	0.495	0.572	11.82
67)	4-Bromophenyl-...	0.245	0.221	0.209	0.192	0.191	0.189	0.181	0.204	11.04
68)	Hexachlorobenzene	0.268	0.240	0.235	0.212	0.211	0.212	0.199	0.225	10.56
69)	Atrazine	0.240	0.222	0.216	0.199	0.194	0.194	0.183	0.207	9.63
70) C	Pentachlorophenol	0.113	0.115	0.121	0.128	0.133	0.137	0.132	0.125	7.48
71)	Phenanthrene	1.245	1.145	1.067	0.972	0.954	0.960	0.891	1.034	12.11
72)	Anthracene	1.265	1.145	1.070	0.965	0.950	0.938	0.890	1.032	13.04
73)	Carbazole	1.258	1.145	1.083	0.966	0.952	0.948	0.877	1.033	12.99
74)	Di-n-butylphth...	1.356	1.291	1.246	1.141	1.130	1.130	1.045	1.191	9.17
75) C	Fluoranthene	1.522	1.402	1.302	1.172	1.153	1.149	1.071	1.253	12.94
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.712	0.566	0.528	0.588	0.510	0.594	0.532	0.576	11.80
78)	Pyrene	1.537	1.412	1.367	1.257	1.240	1.268	1.195	1.325	9.05
79) S	Terphenyl-d14	1.213	1.096	1.017	0.882	0.855	0.861		0.987	14.90
80)	Butylbenzylpht...	0.494	0.506	0.529	0.528	0.536	0.549	0.528	0.524	3.53
81)	Benzo(a)anthra...	1.536	1.416	1.344	1.250	1.226	1.242	1.172	1.312	9.73
82)	3,3'-Dichlorob...	0.457	0.448	0.443	0.425	0.419	0.427	0.396	0.431	4.79
83)	Chrysene	1.465	1.359	1.263	1.171	1.145	1.173	1.103	1.240	10.54
84)	Bis(2-ethylhex...	0.843	0.837	0.818	0.772	0.750	0.768	0.716	0.786	6.03
85) c	Di-n-octyl pht...	1.329	1.349	1.359	1.358	1.362	1.401	1.341	1.357	1.67

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.608	1.497	1.436	1.340	1.339	1.358	1.305	1.412	7.72	
88)	Benzo(b)fluora...	1.376	1.285	1.209	1.119	1.092	1.151	1.069	1.186	9.41	
89)	Benzo(k)fluora...	1.403	1.281	1.195	1.083	1.083	1.060	1.023	1.161	11.95	
90) C	Benzo(a)pyrene	1.139	1.074	1.029	0.959	0.957	0.973	0.929	1.009	7.50	
91)	Dibenzo(a,h)an...	1.331	1.259	1.191	1.106	1.098	1.110	1.058	1.165	8.55	
92)	Benzo(g,h,i)pe...	1.309	1.236	1.191	1.118	1.126	1.147	1.108	1.176	6.27	

(#) = Out of Range