

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP020722.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Feb 07 15:13:17 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP009039.D 10 =BP009040.D 20 =BP009041.D 40 =BP009042.D 50 =BP009043.D 60 =BP009044.D 80 =BP009045.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.426	0.394	0.380	0.360	0.351	0.342	0.331	0.369	8.96
3) Pyridine	1.122	1.212	1.235	1.076	0.995	0.962	0.949	1.079	10.80
4) n-Nitrosodimet...	0.456	0.468	0.455	0.430	0.371	0.363	0.351	0.413	12.08
5) S 2-Fluorophenol	1.163	1.170	1.186	1.103	1.116	1.079	1.031	1.121	4.96
6) Aniline	1.639	1.736	1.778	1.617	1.656	1.672	1.641	1.677	3.47
7) S Phenol-d6	1.484	1.541	1.590	1.436	1.469	1.443	1.378	1.477	4.76
8) 2-Chlorophenol	1.326	1.328	1.348	1.219	1.232	1.217	1.187	1.265	5.22
9) Benzaldehyde	0.770	0.827	0.888	0.703	0.672	0.630		0.748	13.11
10) C Phenol	1.465	1.546	1.587	1.444	1.468	1.459	1.429	1.485	3.92
11) bis(2-Chloroet...	1.128	1.248	1.241	1.104	1.130	1.125	1.097	1.153	5.51
12) 1,3-Dichlorobe...	1.612	1.564	1.535	1.403	1.415	1.373	1.342	1.463	7.20
13) C 1,4-Dichlorobe...	1.649	1.600	1.564	1.438	1.440	1.405	1.361	1.494	7.32
14) 1,2-Dichlorobe...	1.613	1.545	1.534	1.387	1.389	1.349	1.317	1.448	7.89
15) Benzyl Alcohol	0.708	0.955	1.015	0.924	0.982	1.009	0.991	0.940	11.41
16) 2,2'-oxybis(1-...	1.357	1.411	1.405	1.222	1.252	1.243	1.211	1.300	6.75
17) 2-Methylphenol	1.005	1.024	1.063	0.957	0.983	0.978	0.961	0.996	3.81
18) Hexachloroethane	0.537	0.516	0.525	0.472	0.481	0.471	0.462	0.495	6.11
19) P n-Nitroso-di-n...	0.766	0.946	0.953	0.805	0.842	0.854	0.756	0.846	9.38
20) 3+4-Methylphenols	1.235	1.432	1.492	1.317	1.358	1.372	1.334	1.363	6.06
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.481	0.478	0.499	0.467	0.469	0.460	0.417	0.468	5.46
23) S Nitrobenzene-d5	0.350	0.354	0.369	0.355	0.355	0.352	0.349	0.355	1.85
24) Nitrobenzene	0.332	0.335	0.347	0.334	0.337	0.332	0.330	0.335	1.68
25) Isophorone	0.536	0.600	0.623	0.562	0.589	0.607	0.607	0.589	5.13
26) C 2-Nitrophenol	0.144	0.162	0.179	0.176	0.183	0.184	0.186	0.173	8.95
27) 2,4-Dimethylph...	0.246	0.258	0.272	0.256	0.260	0.261	0.261	0.259	2.99
28) bis(2-Chloroet...	0.393	0.413	0.425	0.386	0.394	0.395	0.394	0.400	3.51
29) C 2,4-Dichloroph...	0.291	0.321	0.339	0.322	0.331	0.331	0.333	0.324	4.87
30) 1,2,4-Trichlor...	0.411	0.384	0.388	0.372	0.376	0.368	0.367	0.381	3.97
31) Naphthalene	1.097	1.046	1.054	0.996	0.994	0.982	0.971	1.020	4.53
32) Benzoic acid		0.130	0.192	0.189	0.217	0.238	0.248	0.202	21.01
33) 4-Chloroaniline	0.375	0.414	0.438	0.402	0.414	0.419	0.422	0.412	4.76
34) C Hexachlorobuta...	0.255	0.236	0.238	0.229	0.230	0.225	0.227	0.234	4.41
35) Caprolactam	0.074	0.094	0.102	0.087	0.093	0.108	0.107	0.095	12.74
36) C 4-Chloro-3-met...	0.273	0.313	0.331	0.292	0.306	0.324	0.325	0.309	6.71
37) 2-Methylnaphth...	0.731	0.748	0.760	0.685	0.705	0.713	0.710	0.722	3.62
38) 1-Methylnaphth...	0.718	0.735	0.747	0.668	0.686	0.698	0.686	0.705	4.07

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.677	0.617	0.636	0.650	0.649	0.614	0.612	0.637	3.77
41) P	Hexachlorocycl...		0.090	0.146	0.191	0.219	0.229	0.243	0.186	31.33
42) S	2,4,6-Tribromo...	0.241	0.265	0.279	0.253	0.255	0.289	0.286	0.267	6.85
43) C	2,4,6-Trichlor...	0.369	0.401	0.433	0.435	0.444	0.436	0.437	0.422	6.44
44)	2,4,5-Trichlor...	0.404	0.419	0.466	0.462	0.474	0.473	0.472	0.453	6.37
45) S	2-Fluorobiphenyl	1.575	1.467	1.485	1.456	1.426	1.328	1.265	1.429	7.21
46)	1,1'-Biphenyl	1.577	1.485	1.507	1.482	1.471	1.391	1.373	1.469	4.73
47)	2-Chloronaphth...	1.253	1.164	1.186	1.181	1.171	1.118	1.101	1.168	4.24
48)	2-Nitroaniline	0.217	0.250	0.282	0.273	0.284	0.294	0.294	0.271	10.38
49)	Acenaphthylene	1.784	1.781	1.817	1.766	1.764	1.719	1.692	1.760	2.39
50)	Dimethylphthalate	1.442	1.467	1.497	1.357	1.368	1.434	1.413	1.426	3.54
51)	2,6-Dinitrotol...	0.264	0.292	0.314	0.290	0.297	0.314	0.311	0.297	6.09
52) C	Acenaphthene	1.143	1.082	1.097	1.060	1.056	1.041	1.018	1.071	3.82
53)	3-Nitroaniline	0.247	0.292	0.320	0.301	0.306	0.331	0.332	0.304	9.76
54) P	2,4-Dinitrophenol		0.099	0.139	0.151	0.159	0.192	0.201	0.157	23.67
55)	Dibenzofuran	1.942	1.861	1.866	1.759	1.756	1.732	1.715	1.805	4.73
56) P	4-Nitrophenol		0.155	0.211	0.208	0.220	0.257	0.259	0.218	17.52
57)	2,4-Dinitrotol...	0.312	0.376	0.415	0.377	0.382	0.427	0.429	0.388	10.55
58)	Fluorene	1.465	1.437	1.467	1.347	1.335	1.349	1.305	1.386	4.86
59)	2,3,4,6-Tetrac...	0.364	0.394	0.417	0.384	0.389	0.413	0.413	0.396	4.88
60)	Diethylphthalate	1.357	1.407	1.427	1.252	1.256	1.375	1.363	1.348	5.11
61)	4-Chlorophenyl...	0.792	0.774	0.796	0.726	0.721	0.743	0.721	0.753	4.45
62)	4-Nitroaniline	0.238	0.290	0.326	0.303	0.297	0.346	0.341	0.306	12.02
63)	Azobenzene	1.103	1.196	1.240	1.119	1.133	1.195	1.179	1.166	4.23
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.092	0.119	0.121	0.129	0.136	0.139	0.123	14.05
66) c	n-Nitrosodiphe...	0.591	0.611	0.639	0.617	0.635	0.579	0.573	0.607	4.31
67)	4-Bromophenyl-...	0.219	0.229	0.240	0.231	0.244	0.229	0.230	0.232	3.50
68)	Hexachlorobenzene	0.260	0.257	0.270	0.258	0.266	0.253	0.252	0.260	2.55
69)	Atrazine	0.188	0.204	0.217	0.199	0.198	0.204	0.199	0.201	4.35
70) C	Pentachlorophenol	0.103	0.121	0.140	0.138	0.145	0.153	0.158	0.137	13.87
71)	Phenanthrene	1.142	1.108	1.137	1.080	1.079	1.030	1.005	1.083	4.74
72)	Anthracene	1.065	1.066	1.114	1.061	1.070	1.031	1.010	1.060	3.09
73)	Carbazole	1.050	1.026	1.066	1.018	0.978	0.996	0.977	1.016	3.40
74)	Di-n-butylphth...	0.945	1.049	1.106	0.997	0.986	1.077	1.043	1.029	5.43
75) C	Fluoranthene	1.329	1.245	1.263	1.215	1.108	1.192	1.144	1.214	6.14
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.418	0.369	0.485	0.498	0.335	0.437	0.383	0.418	14.41
78)	Pyrene	1.234	1.453	1.606	1.274	1.458	1.476	1.459	1.423	8.97
79) S	Terphenyl-d14	1.046	1.218	1.296	0.995	1.102	1.086	1.042	1.112	9.64
80)	Butylbenzylpht...	0.408	0.473	0.525	0.445	0.479	0.540	0.556	0.489	10.95
81)	Benzo(a)anthra...	1.338	1.299	1.341	1.281	1.298	1.241	1.224	1.289	3.46
82)	3,3'-Dichlorob...	0.464	0.421	0.460	0.476	0.459	0.434	0.414	0.447	5.30
83)	Chrysene	1.338	1.255	1.297	1.219	1.239	1.185	1.164	1.242	4.90
84)	Bis(2-ethylhex...	0.595	0.624	0.683	0.601	0.620	0.708	0.698	0.647	7.38
85) c	Di-n-octyl pht...	1.056	0.914	0.981	1.077	1.011	1.107	1.099	1.035	6.77

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.565	1.272	1.445	1.610	1.642	1.389	1.479	1.486	8.83	
88)	Benzo(b)fluora...	1.187	1.248	1.314	1.195	1.175	1.263	1.236	1.231	4.02	
89)	Benzo(k)fluora...	1.257	1.293	1.319	1.198	1.181	1.189	1.163	1.228	4.95	
90) C	Benzo(a)pyrene	1.014	1.012	1.072	1.038	1.031	0.992	1.025	1.027	2.43	
91)	Dibenzo(a,h)an...	1.295	1.053	1.189	1.326	1.346	1.137	1.203	1.221	8.77	
92)	Benzo(g,h,i)pe...	1.287	1.034	1.172	1.315	1.339	1.129	1.235	1.216	9.09	

(#) = Out of Range