

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP092121.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Sep 21 16:50:24 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP007075.D 10 =BP007076.D 20 =BP007077.D 40 =BP007078.D 50 =BP007079.D 60 =BP007080.D 80 =BP007081.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.603	0.514	0.492	0.461	0.446	0.441	0.425	0.483	12.66
3) Pyridine	1.505	1.372	1.349	1.312	1.261	1.251	1.206	1.322	7.51
4) n-Nitrosodimet...	0.535	0.450	0.454	0.446	0.435	0.436	0.417	0.453	8.38
5) S 2-Fluorophenol	1.444	1.270	1.211	1.156	1.114	1.114	1.055	1.195	10.93
6) Aniline	2.074	1.907	1.806	1.793	1.704	1.704	1.613	1.800	8.48
7) S Phenol-d6	1.888	1.759	1.657	1.622	1.533	1.531	1.441	1.633	9.32
8) 2-Chlorophenol	1.527	1.393	1.306	1.265	1.220	1.220	1.159	1.299	9.64
9) Benzaldehyde		1.084	0.993	0.925	0.869	0.873	0.776	0.920	11.68
10) C Phenol	1.837	1.695	1.581	1.559	1.477	1.478	1.394	1.574	9.54
11) bis(2-Chloroet...	1.450	1.345	1.255	1.225	1.165	1.162	1.098	1.243	9.73
12) 1,3-Dichlorobe...	1.745	1.578	1.489	1.417	1.372	1.365	1.288	1.465	10.59
13) C 1,4-Dichlorobe...	1.793	1.618	1.510	1.443	1.383	1.390	1.315	1.493	11.04
14) 1,2-Dichlorobe...	1.733	1.568	1.469	1.402	1.346	1.342	1.269	1.447	10.99
15) Benzyl Alcohol	1.161	1.110	1.055	1.043	1.004	0.997	0.950	1.046	6.85
16) 2,2'-oxybis(1-...	1.665	1.590	1.434	1.394	1.320	1.319	1.239	1.423	10.84
17) 2-Methylphenol	1.198	1.137	1.074	1.056	1.003	1.008	0.952	1.061	7.96
18) Hexachloroethane	0.585	0.532	0.505	0.489	0.472	0.474	0.452	0.501	8.96
19) P n-Nitroso-di-n...	1.056	0.979	0.904	0.880	0.818	0.823	0.757	0.888	11.55
20) 3+4-Methylphenols	1.670	1.561	1.482	1.469	1.390	1.390	1.311	1.468	8.17
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.561	0.502	0.490	0.470	0.451	0.459	0.440	0.482	8.48
23) S Nitrobenzene-d5	0.379	0.354	0.350	0.339	0.328	0.334	0.319	0.343	5.82
24) Nitrobenzene	0.361	0.339	0.331	0.325	0.313	0.318	0.305	0.327	5.74
25) Isophorone	0.665	0.616	0.606	0.592	0.573	0.582	0.558	0.599	5.84
26) C 2-Nitrophenol	0.170	0.165	0.169	0.171	0.172	0.176	0.172	0.171	1.98
27) 2,4-Dimethylph...	0.291	0.277	0.272	0.268	0.257	0.264	0.253	0.269	4.74
28) bis(2-Chloroet...	0.488	0.446	0.425	0.413	0.397	0.403	0.386	0.422	8.32
29) C 2,4-Dichloroph...	0.333	0.319	0.317	0.311	0.304	0.310	0.301	0.314	3.42
30) 1,2,4-Trichlor...	0.405	0.370	0.358	0.345	0.341	0.348	0.334	0.357	6.77
31) Naphthalene	1.163	1.082	1.037	0.995	0.958	0.979	0.931	1.021	7.85
32) Benzoic acid		0.166	0.183	0.215	0.220	0.226	0.231	0.207	12.62
33) 4-Chloroaniline	0.466	0.432	0.425	0.417	0.403	0.411	0.398	0.422	5.41
34) C Hexachlorobuta...	0.239	0.218	0.216	0.207	0.204	0.210	0.203	0.214	5.76
35) Caprolactam	0.097	0.093	0.096	0.099	0.096	0.099	0.095	0.096	2.02
36) C 4-Chloro-3-met...	0.351	0.331	0.321	0.315	0.305	0.309	0.298	0.319	5.63
37) 2-Methylnaphth...	0.827	0.754	0.726	0.694	0.668	0.684	0.650	0.715	8.47
38) 1-Methylnaphth...	0.806	0.742	0.708	0.679	0.652	0.668	0.635	0.698	8.49

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.682	0.632	0.607	0.603	0.585	0.601	0.577	0.612	5.75
41) P	Hexachlorocycl...	0.336	0.325	0.329	0.341	0.345	0.353	0.347	0.339	2.96
42) S	2,4,6-Tribromo...	0.269	0.253	0.255	0.259	0.256	0.265	0.258	0.259	2.14
43) C	2,4,6-Trichlor...	0.437	0.418	0.410	0.419	0.411	0.423	0.407	0.418	2.41
44)	2,4,5-Trichlor...	0.477	0.452	0.444	0.450	0.440	0.449	0.438	0.450	2.90
45) S	2-Fluorobiphenyl	1.616	1.500	1.419	1.360	1.296	1.333	1.248	1.396	9.11
46)	1,1'-Biphenyl	1.705	1.584	1.490	1.447	1.395	1.432	1.362	1.488	8.03
47)	2-Chloronaphth...	1.318	1.219	1.146	1.121	1.085	1.113	1.064	1.152	7.67
48)	2-Nitroaniline	0.275	0.270	0.280	0.287	0.282	0.291	0.281	0.281	2.48
49)	Acenaphthylene	1.960	1.841	1.769	1.762	1.702	1.736	1.654	1.775	5.64
50)	Dimethylphthalate	1.627	1.521	1.439	1.406	1.358	1.390	1.329	1.438	7.19
51)	2,6-Dinitrotol...	0.304	0.292	0.288	0.296	0.291	0.297	0.289	0.294	1.92
52) C	Acenaphthene	1.222	1.128	1.073	1.058	1.013	1.043	0.991	1.075	7.26
53)	3-Nitroaniline	0.307	0.307	0.316	0.327	0.319	0.330	0.319	0.318	2.77
54) P	2,4-Dinitrophenol	0.134	0.140	0.159	0.180	0.184	0.193	0.194	0.169	14.76
55)	Dibenzofuran	2.079	1.911	1.803	1.747	1.667	1.718	1.634	1.794	8.65
56) P	4-Nitrophenol	0.219	0.241	0.258	0.275	0.268	0.277	0.269	0.258	8.14
57)	2,4-Dinitrotol...	0.374	0.372	0.381	0.398	0.391	0.407	0.391	0.388	3.26
58)	Fluorene	1.589	1.470	1.403	1.360	1.296	1.328	1.256	1.386	8.22
59)	2,3,4,6-Tetrac...	0.433	0.398	0.392	0.390	0.383	0.392	0.379	0.395	4.47
60)	Diethylphthalate	1.579	1.456	1.400	1.362	1.313	1.359	1.288	1.394	7.05
61)	4-Chlorophenyl...	0.840	0.770	0.733	0.715	0.685	0.707	0.677	0.732	7.71
62)	4-Nitroaniline	0.288	0.300	0.318	0.333	0.328	0.342	0.328	0.320	6.06
63)	Azobenzene	1.329	1.253	1.237	1.194	1.148	1.175	1.118	1.208	5.90
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.100	0.106	0.115	0.126	0.128	0.132	0.131	0.120	10.57
66) c	n-Nitrosodiphe...	0.661	0.627	0.597	0.584	0.568	0.579	0.549	0.595	6.40
67)	4-Bromophenyl-...	0.241	0.224	0.217	0.213	0.210	0.218	0.211	0.219	4.98
68)	Hexachlorobenzene	0.272	0.253	0.240	0.235	0.231	0.236	0.227	0.242	6.43
69)	Atrazine	0.223	0.212	0.210	0.211	0.204	0.209	0.200	0.210	3.37
70) C	Pentachlorophenol	0.146	0.142	0.146	0.152	0.154	0.158	0.155	0.150	3.91
71)	Phenanthrene	1.228	1.141	1.078	1.044	1.008	1.032	0.976	1.072	8.06
72)	Anthracene	1.155	1.095	1.063	1.030	1.005	1.030	0.965	1.049	5.94
73)	Carbazole	1.133	1.065	1.050	1.023	0.980	1.002	0.943	1.028	6.03
74)	Di-n-butylphth...	1.235	1.167	1.140	1.140	1.104	1.124	1.064	1.139	4.69
75) C	Fluoranthene	1.386	1.286	1.255	1.213	1.173	1.201	1.135	1.236	6.71
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.589	0.582	0.604	0.610	0.686	0.595	0.637	0.615	5.89
78)	Pyrene	1.491	1.373	1.311	1.273	1.252	1.278	1.207	1.312	7.16
79) S	Terphenyl-d14	1.215	1.123	1.065	1.021	0.973	0.992	0.916	1.044	9.63
80)	Butylbenzylpht...	0.547	0.518	0.519	0.526	0.522	0.532	0.514	0.525	2.14
81)	Benzo(a)anthra...	1.480	1.350	1.304	1.262	1.232	1.265	1.193	1.298	7.27
82)	3,3'-Dichlorob...	0.459	0.445	0.447	0.446	0.443	0.448	0.433	0.446	1.73
83)	Chrysene	1.421	1.313	1.251	1.215	1.167	1.192	1.126	1.241	8.03
84)	Bis(2-ethylhex...	0.805	0.762	0.763	0.758	0.735	0.752	0.713	0.755	3.73
85) c	Di-n-octyl pht...	1.328	1.269	1.285	1.289	1.272	1.309	1.252	1.286	1.99

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.554	1.472	1.429	1.412	1.386	1.432	1.375	1.437	4.23	
88)	Benzo(b)fluora...	1.299	1.239	1.200	1.184	1.132	1.174	1.139	1.195	4.88	
89)	Benzo(k)fluora...	1.353	1.257	1.200	1.176	1.160	1.203	1.122	1.210	6.23	
90) C	Benzo(a)pyrene	1.113	1.039	1.003	0.993	0.976	1.017	0.966	1.015	4.88	
91)	Dibenzo(a,h)an...	1.317	1.232	1.201	1.179	1.161	1.198	1.143	1.205	4.77	
92)	Benzo(g,h,i)pe...	1.292	1.204	1.165	1.153	1.129	1.166	1.119	1.175	4.96	

(#) = Out of Range