

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP122821.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 30 08:44:33 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP008581.D 10 =BP008582.D 20 =BP008583.D 40 =BP008584.D 50 =BP008585.D 60 =BP008586.D 80 =BP008587.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.564	0.480	0.446	0.435	0.400	0.392	0.382	0.443	14.39
3)	Pyridine	1.369	1.260	1.245	1.239	1.153	1.122	1.065	1.207	8.40
4)	n-Nitrosodimet...	0.454	0.382	0.392	0.393	0.376	0.366	0.367	0.390	7.78
5) S	2-Fluorophenol	1.276	1.155	1.104	1.112	1.029	1.012	0.983	1.096	9.17
6)	Aniline	2.013	1.870	1.810	1.824	1.689	1.628	1.575	1.773	8.55
7) S	Phenol-d6	1.726	1.608	1.565	1.573	1.450	1.404	1.350	1.525	8.55
8)	2-Chlorophenol	1.486	1.373	1.318	1.317	1.220	1.180	1.141	1.291	9.27
9)	Benzaldehyde		1.076	0.994	0.908	0.798	0.752	0.680	0.868	17.43
10) C	Phenol	1.764	1.629	1.573	1.579	1.457	1.415	1.361	1.540	9.00
11)	bis(2-Chloroet...	1.463	1.305	1.264	1.264	1.172	1.134	1.091	1.242	10.04
12)	1,3-Dichlorobe...	1.811	1.639	1.540	1.517	1.394	1.360	1.315	1.511	11.53
13) C	1,4-Dichlorobe...	1.859	1.661	1.562	1.535	1.421	1.379	1.339	1.537	11.80
14)	1,2-Dichlorobe...	1.814	1.639	1.547	1.507	1.382	1.335	1.286	1.501	12.38
15)	Benzyl Alcohol	1.218	1.115	1.120	1.134	1.050	1.022	0.987	1.092	7.15
16)	2,2'-oxybis(1-...	1.699	1.550	1.472	1.426	1.305	1.251	1.188	1.413	12.69
17)	2-Methylphenol	1.198	1.116	1.106	1.113	1.025	0.988	0.954	1.071	7.98
18)	Hexachloroethane	0.579	0.524	0.503	0.512	0.472	0.464	0.452	0.501	8.68
19) P	n-Nitroso-di-n...	1.131	1.060	1.030	1.002	0.913	0.873	0.808	0.974	11.67
20)	3+4-Methylphenols	1.644	1.579	1.551	1.572	1.444	1.399	1.348	1.505	7.23
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.557	0.510	0.489	0.486	0.450	0.440	0.425	0.480	9.52
23) S	Nitrobenzene-d5	0.369	0.345	0.338	0.346	0.325	0.318	0.314	0.336	5.71
24)	Nitrobenzene	0.357	0.330	0.324	0.325	0.306	0.300	0.298	0.320	6.52
25)	Isophorone	0.679	0.638	0.636	0.651	0.609	0.599	0.585	0.628	5.14
26) C	2-Nitrophenol	0.135	0.133	0.143	0.162	0.160	0.161	0.170	0.152	9.65
27)	2,4-Dimethylph...	0.301	0.280	0.275	0.282	0.265	0.261	0.257	0.274	5.43
28)	bis(2-Chloroet...	0.497	0.455	0.440	0.443	0.414	0.404	0.391	0.435	8.19
29) C	2,4-Dichloroph...	0.337	0.326	0.332	0.346	0.330	0.326	0.328	0.332	2.16
30)	1,2,4-Trichlor...	0.445	0.406	0.390	0.395	0.371	0.368	0.366	0.392	7.18
31)	Naphthalene	1.216	1.103	1.047	1.043	0.978	0.952	0.928	1.038	9.57
32)	Benzoic acid	0.149	0.143	0.158	0.184	0.185	0.192	0.202	0.173	13.28
33)	4-Chloroaniline	0.494	0.462	0.448	0.454	0.427	0.420	0.410	0.445	6.44
34) C	Hexachlorobuta...	0.267	0.243	0.234	0.241	0.228	0.225	0.227	0.238	6.15
35)	Caprolactam	0.107	0.105	0.111	0.116	0.111	0.109	0.106	0.109	3.22
36) C	4-Chloro-3-met...	0.347	0.334	0.335	0.345	0.327	0.323	0.314	0.332	3.50
37)	2-Methylnaphth...	0.897	0.827	0.790	0.797	0.741	0.720	0.697	0.781	8.78
38)	1-Methylnaphth...	0.886	0.814	0.776	0.776	0.721	0.702	0.672	0.764	9.53

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.699	0.642	0.620	0.643	0.607	0.600	0.599	0.630	5.67
41) P	Hexachlorocycl...	0.330	0.313	0.323	0.353	0.339	0.339	0.349	0.335	4.20
42) S	2,4,6-Tribromo...	0.264	0.258	0.254	0.274	0.274	0.282	0.288	0.271	4.55
43) C	2,4,6-Trichlor...	0.401	0.390	0.404	0.434	0.414	0.410	0.417	0.410	3.40
44)	2,4,5-Trichlor...	0.451	0.441	0.448	0.476	0.454	0.449	0.450	0.453	2.43
45) S	2-Fluorobiphenyl	1.719	1.548	1.450	1.407	1.275	1.244	1.019	1.380	16.43
46)	1,1'-Biphenyl	1.752	1.579	1.502	1.493	1.375	1.358	1.296	1.479	10.49
47)	2-Chloronaphth...	1.343	1.226	1.175	1.172	1.090	1.068	1.041	1.159	9.02
48)	2-Nitroaniline	0.238	0.238	0.253	0.273	0.260	0.260	0.258	0.254	4.95
49)	Acenaphthylene	2.022	1.870	1.815	1.820	1.689	1.662	1.588	1.781	8.22
50)	Dimethylphthalate	1.780	1.640	1.561	1.565	1.445	1.431	1.360	1.540	9.25
51)	2,6-Dinitrotol...	0.322	0.309	0.316	0.331	0.313	0.313	0.309	0.316	2.58
52) C	Acenaphthene	1.332	1.217	1.166	1.186	1.104	1.092	1.059	1.165	7.94
53)	3-Nitroaniline	0.326	0.320	0.330	0.348	0.327	0.328	0.324	0.329	2.66
54) P	2,4-Dinitrophenol	0.114	0.113	0.129	0.154	0.152	0.157	0.167	0.141	15.47
55)	Dibenzofuran	2.229	2.016	1.902	1.884	1.734	1.701	1.609	1.868	11.29
56) P	4-Nitrophenol	0.235	0.244	0.260	0.278	0.265	0.267	0.264	0.259	5.67
57)	2,4-Dinitrotol...	0.389	0.397	0.422	0.456	0.432	0.431	0.426	0.422	5.30
58)	Fluorene	1.741	1.582	1.503	1.467	1.353	1.323	1.220	1.456	12.02
59)	2,3,4,6-Tetrac...	0.401	0.396	0.402	0.424	0.405	0.406	0.405	0.406	2.20
60)	Diethylphthalate	1.714	1.578	1.534	1.529	1.431	1.415	1.339	1.506	8.20
61)	4-Chlorophenyl...	0.952	0.868	0.821	0.819	0.765	0.748	0.704	0.811	10.18
62)	4-Nitroaniline	0.331	0.334	0.343	0.352	0.331	0.330	0.318	0.334	3.15
63)	Azobenzene	1.398	1.295	1.247	1.240	1.144	1.123	1.060	1.215	9.45
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.081	0.084	0.093	0.111	0.107	0.110	0.118	0.101	14.43
66) c	n-Nitrosodiphe...	0.692	0.642	0.614	0.616	0.567	0.554	0.541	0.604	8.88
67)	4-Bromophenyl-...	0.245	0.230	0.212	0.207	0.205	0.212	0.220	0.219	6.56
68)	Hexachlorobenzene	0.302	0.276	0.265	0.272	0.255	0.253	0.257	0.269	6.29
69)	Atrazine	0.237	0.230	0.229	0.235	0.219	0.217	0.214	0.226	4.07
70) C	Pentachlorophenol	0.128	0.128	0.142	0.159	0.153	0.155	0.160	0.146	9.52
71)	Phenanthrene	1.310	1.185	1.119	1.101	1.003	0.975	0.855	1.078	13.84
72)	Anthracene	1.225	1.136	1.098	1.088	0.991	0.961	0.855	1.051	11.73
73)	Carbazole	1.202	1.124	1.073	1.063	0.970	0.942	0.844	1.031	11.68
74)	Di-n-butylphth...	1.305	1.205	1.212	1.226	1.094	1.038	0.817	1.128	14.49
75) C	Fluoranthene	1.507	1.394	1.332	1.310	1.170	1.098	0.872	1.240	17.06
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.770	0.506	0.649	0.656	0.594	0.549	0.482	0.601	16.63
78)	Pyrene	1.499	1.376	1.332	1.354	1.239	1.181	1.127	1.301	9.77
79) S	Terphenyl-d14	1.170	1.093	0.899	0.756			0.980		19.16
80)	Butylbenzylpht...	0.482	0.465	0.500	0.558	0.536	0.531	0.561	0.519	7.17
81)	Benzo(a)anthra...	1.560	1.419	1.350	1.338	1.213	1.150	1.052	1.297	13.24
82)	3,3'-Dichlorob...	0.492	0.476	0.492	0.511	0.475	0.458	0.436	0.477	5.15
83)	Chrysene	1.466	1.332	1.265	1.250	1.133	1.070	0.977	1.213	13.67
84)	Bis(2-ethylhex...	0.808	0.763	0.802	0.837	0.773	0.753	0.752	0.784	4.11
85) c	Di-n-octyl pht...	1.169	1.148	1.249	1.376	1.258	1.222	1.073	1.213	7.92

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.498	1.431	1.339	1.311	1.228	1.231	1.366	1.343	7.40	
88)	Benzo(b)fluora...	1.402	1.270	1.255	1.363	1.269	1.252	1.192	1.286	5.57	
89)	Benzo(k)fluora...	1.399	1.310	1.293	1.314	1.248	1.224	1.164	1.279	5.88	
90) C	Benzo(a)pyrene	1.097	1.038	1.026	1.080	1.019	1.002	0.995	1.037	3.71	
91)	Dibenzo(a,h)an...	1.269	1.205	1.139	1.112	1.038	1.037	1.134	1.133	7.41	
92)	Benzo(g,h,i)pe...	1.208	1.135	1.048	1.005	0.956	0.963	1.104	1.060	8.86	

(#) = Out of Range