

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF121521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 16 12:22:48 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF126195.D 10 =BF126196.D 20 =BF126197.D 40 =BF126198.D 50 =BF126199.D 60 =BF126200.D 80 =BF126201.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.671	0.684	0.742	0.709	0.664	0.611	0.561	0.663	9.15
3)	Pyridine	1.685	1.746	1.926	1.913	1.800	1.688	1.566	1.761	7.37
4)	n-Nitrosodimet...	0.656	0.658	0.748	0.727	0.687	0.654	0.607	0.677	7.09
5) S	2-Fluorophenol	1.517	1.506	1.553	1.415	1.302	1.179	1.036	1.358	14.34
6)	Aniline	2.244	2.271	2.454	2.349	2.203	2.018	1.793	2.190	10.06
7) S	Phenol-d6	1.921	1.900	1.953	1.798	1.650	1.516	1.333	1.724	13.58
8)	2-Chlorophenol	1.519	1.530	1.587	1.443	1.316	1.207	1.038	1.377	14.51
9)	Benzaldehyde	1.230	1.232	1.237	1.046	0.946	0.858	0.735	1.041	19.48
10) C	Phenol	2.179	2.147	2.244	2.028	1.873	1.653	1.425	1.936	15.66
11)	bis(2-Chloroet...	1.604	1.624	1.700	1.594	1.455	1.351	1.189	1.503	12.02
12)	1,3-Dichlorobe...	1.529	1.553	1.588	1.460	1.328	1.200	1.067	1.389	14.23
13) C	1,4-Dichlorobe...	1.593	1.575	1.601	1.468	1.330	1.204	1.048	1.403	15.39
14)	1,2-Dichlorobe...	1.559	1.499	1.503	1.332	1.188	1.076	0.924	1.297	18.70
15)	Benzyl Alcohol	1.337	1.365	1.435	1.350	1.229	1.127	0.969	1.259	12.94
16)	2,2'-oxybis(1-...	2.537	2.573	2.737	2.650	2.433	2.252	2.030	2.459	9.97
17)	2-Methylphenol	1.267	1.268	1.353	1.280	1.186	1.101	0.992	1.206	10.28
18)	Hexachloroethane	0.573	0.594	0.629	0.594	0.543	0.494	0.437	0.552	12.06
19) P	n-Nitroso-di-n...	1.157	1.136	1.159	1.106	1.028	0.961	0.865	1.059	10.62
20)	3+4-Methylphenols	1.687	1.648	1.661	1.459	1.318	1.181	1.030	1.426	18.16
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.529	0.519	0.529	0.472	0.433	0.390	0.350	0.460	15.59
23) S	Nitrobenzene-d5	0.383	0.391	0.416	0.392	0.364	0.334	0.305	0.369	10.33
24)	Nitrobenzene	0.378	0.391	0.417	0.393	0.364	0.336	0.300	0.369	10.66
25)	Isophorone	0.695	0.719	0.758	0.731	0.703	0.657	0.617	0.697	6.79
26) C	2-Nitrophenol	0.146	0.165	0.185	0.185	0.174	0.160	0.148	0.166	9.63
27)	2,4-Dimethylph...	0.306	0.300	0.311	0.296	0.275	0.254	0.233	0.282	10.42
28)	bis(2-Chloroet...	0.486	0.488	0.515	0.482	0.449	0.411	0.377	0.458	10.68
29) C	2,4-Dichloroph...	0.257	0.259	0.284	0.268	0.250	0.230	0.209	0.251	9.86
30)	1,2,4-Trichlor...	0.286	0.283	0.296	0.270	0.251	0.226	0.205	0.259	13.08
31)	Naphthalene	1.054	1.060	1.093	0.969	0.880	0.794	0.698	0.935	16.05
32)	Benzoic acid		0.179	0.245	0.269	0.270	0.256	0.240	0.243	13.89
33)	4-Chloroaniline	0.402	0.429	0.444	0.413	0.383	0.353	0.309	0.391	11.97
34) C	Hexachlorobuta...	0.136	0.138	0.144	0.136	0.123	0.112	0.101	0.127	12.39
35)	Caprolactam	0.059	0.059	0.068	0.066	0.064	0.063	0.057	0.062	6.92
36) C	4-Chloro-3-met...	0.292	0.312	0.331	0.319	0.296	0.270	0.251	0.296	9.50
37)	2-Methylnaphth...	0.649	0.654	0.665	0.597	0.545	0.488	0.434	0.576	15.61
38)	1-Methylnaphth...	0.626	0.636	0.648	0.577	0.527	0.472	0.428	0.559	15.41

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.483	0.484	0.494	0.450	0.412	0.368	0.332	0.432	14.69
41) P	Hexachlorocycl...	0.230	0.255	0.278	0.275	0.254	0.233	0.206	0.247	10.47
42) S	2,4,6-Tribromo...	0.166	0.168	0.184	0.168	0.159	0.150	0.130	0.161	10.69
43) C	2,4,6-Trichlor...	0.352	0.357	0.376	0.366	0.341	0.310	0.275	0.340	10.37
44)	2,4,5-Trichlor...	0.362	0.383	0.395	0.367	0.348	0.317	0.290	0.352	10.52
45) S	2-Fluorobiphenyl	1.362	1.315	1.245	1.073	0.974	0.872		1.140	17.29
46)	1,1'-Biphenyl	1.684	1.701	1.699	1.524	1.397	1.255	1.091	1.479	16.32
47)	2-Chloronaphth...	1.251	1.253	1.269	1.147	1.057	0.959	0.851	1.113	14.65
48)	2-Nitroaniline	0.366	0.398	0.447	0.442	0.427	0.396	0.366	0.406	8.29
49)	Acenaphthylene	1.916	1.932	1.951	1.757	1.609	1.464	1.271	1.700	15.47
50)	Dimethylphthalate	1.396	1.402	1.429	1.295	1.218	1.120	1.008	1.267	12.59
51)	2,6-Dinitrotol...	0.269	0.284	0.308	0.294	0.275	0.258	0.232	0.274	9.12
52) C	Acenaphthene	1.237	1.219	1.247	1.138	1.058	0.965	0.854	1.103	13.68
53)	3-Nitroaniline	0.343	0.357	0.392	0.373	0.350	0.332	0.292	0.349	9.17
54) P	2,4-Dinitrophenol		0.070	0.106	0.127	0.128	0.126	0.119	0.113	19.87
55)	Dibenzofuran	1.723	1.703	1.729	1.535	1.426	1.280	1.112	1.501	16.07
56) P	4-Nitrophenol	0.188	0.238	0.283	0.287	0.271	0.260	0.235	0.252	13.75
57)	2,4-Dinitrotol...	0.335	0.358	0.397	0.376	0.356	0.331	0.294	0.350	9.51
58)	Fluorene	1.292	1.240	1.190	1.023	0.927	0.849		1.087	16.59
59)	2,3,4,6-Tetrac...	0.278	0.277	0.297	0.277	0.255	0.235	0.208	0.261	11.81
60)	Diethylphthalate	1.431	1.424	1.430	1.328	1.220	1.111	0.968	1.273	14.26
61)	4-Chlorophenyl...	0.591	0.549	0.530	0.464	0.421	0.381		0.489	16.47
62)	4-Nitroaniline	0.279	0.279	0.308	0.319	0.298	0.301	0.262	0.292	6.73
63)	Azobenzene	1.692	1.700	1.761	1.605	1.491	1.360	1.185	1.542	13.56
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.084	0.113	0.122	0.121	0.113	0.104	0.109	12.96
66) c	n-Nitrosodiphe...	0.710	0.723	0.728	0.659	0.621	0.550	0.503	0.642	13.79
67)	4-Bromophenyl-...	0.200	0.204	0.215	0.196	0.184	0.167	0.148	0.188	12.39
68)	Hexachlorobenzene	0.229	0.237	0.243	0.226	0.215	0.190	0.172	0.216	12.03
69)	Atrazine	0.132	0.128	0.136	0.131	0.113	0.100	0.083	0.118	16.76
70) C	Pentachlorophenol	0.103	0.118	0.137	0.134	0.125	0.116	0.104	0.120	11.25
71)	Phenanthrene	1.225	1.177	1.194	1.035	0.970	0.865	0.760	1.032	17.24
72)	Anthracene	1.189	1.196	1.203	1.063	0.963	0.880	0.758	1.036	16.93
73)	Carbazole	1.104	1.098	1.127	1.008	0.918	0.843	0.731	0.976	15.44
74)	Di-n-butylphth...	1.436	1.440	1.435	1.272	1.149	1.037	0.891	1.237	17.74
75) C	Fluoranthene	1.087	1.053	1.074	0.960	0.847	0.803	0.686	0.930	16.64
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.350	0.343	0.336	0.329	0.277	0.257		0.315	12.22
78)	Pyrene	1.900	1.953	2.061	1.961	1.869	1.623	1.495	1.837	11.04
79) S	Terphenyl-d14	1.284	1.312	1.294	1.170	1.124	0.978	0.892	1.151	14.29
80)	Butylbenzylpht...	0.794	0.866	0.961	0.960	0.914	0.828	0.730	0.865	10.05
81)	Benzo(a)anthra...	1.235	1.254	1.357	1.258	1.180	1.056	0.954	1.185	11.54
82)	3,3'-Dichlorob...	0.500	0.561	0.607	0.587	0.564	0.512	0.459	0.541	9.75
83)	Chrysene	1.261	1.274	1.370	1.331	1.244	1.117	1.020	1.231	9.94
84)	Bis(2-ethylhex...	0.979	1.034	1.105	1.046	0.980	0.850	0.770	0.966	12.13
85) c	Di-n-octyl pht...	1.485	1.629	1.870	1.957	1.886	1.657	1.574	1.722	10.47

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.214	1.289	1.490	1.474	1.405	1.253	1.213	1.334	9.02	
88)	Benzo(b)fluora...	1.232	1.237	1.315	1.322	1.199	1.085	1.023	1.202	9.31	
89)	Benzo(k)fluora...	1.149	1.207	1.334	1.214	1.143	1.086	0.914	1.150	11.29	
90) C	Benzo(a)pyrene	0.953	1.002	1.104	1.084	1.036	0.954	0.858	0.999	8.54	
91)	Dibenzo(a,h)an...	0.960	1.073	1.220	1.200	1.146	1.021	0.971	1.084	9.83	
92)	Benzo(g,h,i)pe...	1.002	1.067	1.235	1.232	1.198	1.069	1.051	1.122	8.58	

(#) = Out of Range