

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF020320.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF118791.D 20 =BF118792.D 40 =BF118793.D 50 =BF118794.D 60 =BF118795.D 80 =BF118796.D 100 =BF118797.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.530	0.521	0.481	0.492	0.477	0.444	0.425	0.482	7.86
3)	Pyridine	1.464	1.400	1.359	1.358	1.331	1.243	1.204	1.337	6.65
4)	n-Nitrosodimet...	0.508	0.511	0.492	0.502	0.483	0.463	0.449	0.487	4.87
5) S	2-Fluorophenol	1.246	1.201	1.077	1.057	1.029	0.926	0.859	1.057	13.03
6)	Aniline	1.947	1.912	1.741	1.726	1.621	1.490	1.387	1.689	12.22
7) S	Phenol-d6	1.561	1.486	1.351	1.318	1.262	1.139	1.065	1.312	13.47
8)	2-Chlorophenol	1.365	1.324	1.225	1.196	1.139	1.026	0.962	1.177	12.52
9)	Benzaldehyde	0.985	0.921	0.757	0.667	0.650	0.504		0.748	24.06
10) C	Phenol	1.730	1.673	1.510	1.463	1.389	1.261	1.182	1.458	13.79
11)	bis(2-Chloroet...	1.278	1.238	1.139	1.134	1.078	1.001	0.941	1.116	10.81
12)	1,3-Dichlorobe...	1.641	1.576	1.442	1.415	1.357	1.224	1.150	1.401	12.58
13) C	1,4-Dichlorobe...	1.631	1.581	1.445	1.408	1.358	1.217	1.140	1.397	12.77
14)	1,2-Dichlorobe...	1.569	1.499	1.344	1.291	1.222	1.084		1.335	13.38
15)	Benzyl Alcohol	1.168	1.144	1.063	1.031	0.981	0.889	0.821	1.014	12.55
16)	2,2'-oxybis(1-...	1.570	1.538	1.410	1.373	1.322	1.218	1.134	1.366	11.62
17)	2-Methylphenol	1.115	1.073	1.000	0.985	0.948	0.884	0.844	0.978	9.85
18)	Hexachloroethane	0.562	0.552	0.517	0.510	0.493	0.449	0.427	0.501	9.91
19) P	n-Nitroso-di-n...	0.934	0.905	0.811	0.801	0.757	0.723	0.686	0.802	11.35
20)	3+4-Methylphenols	1.424	1.342	1.180	1.128	1.058			1.226	12.41
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.509	0.487	0.436	0.436	0.418	0.389	0.366	0.435	11.61
23) S	Nitrobenzene-d5	0.369	0.363	0.337	0.338	0.330	0.314	0.298	0.336	7.49
24)	Nitrobenzene	0.367	0.365	0.337	0.339	0.333	0.312	0.293	0.335	7.89
25)	Isophorone	0.655	0.644	0.599	0.605	0.589	0.572	0.558	0.603	5.88
26) C	2-Nitrophenol	0.179	0.184	0.179	0.186	0.180	0.173	0.170	0.179	3.16
27)	2,4-Dimethylph...	0.259	0.259	0.243	0.247	0.239	0.229	0.222	0.243	5.70
28)	bis(2-Chloroet...	0.437	0.423	0.391	0.396	0.383	0.364	0.343	0.391	8.24
29) C	2,4-Dichloroph...	0.314	0.311	0.293	0.296	0.289	0.272	0.259	0.291	6.79
30)	1,2,4-Trichlor...	0.380	0.373	0.345	0.342	0.335	0.310	0.293	0.340	9.23
31)	Naphthalene	1.084	1.039	0.923	0.916	0.890	0.803	0.747	0.915	13.05
32)	Benzoic acid	0.166	0.190	0.178	0.224	0.214	0.219	0.215	0.201	11.36
33)	4-Chloroaniline	0.456	0.447	0.409	0.410	0.392	0.384	0.367	0.409	7.91
34) C	Hexachlorobuta...	0.229	0.228	0.210	0.211	0.207	0.190	0.181	0.208	8.67
35)	Caprolactam	0.100	0.095	0.091	0.094	0.093	0.091	0.096	0.094	3.25
36) C	4-Chloro-3-met...	0.319	0.314	0.292	0.296	0.287	0.274	0.265	0.292	6.68
37)	2-Methylnaphth...	0.747	0.717	0.643	0.632	0.609	0.561	0.533	0.634	12.19
38)	1-Methylnaphth...	0.693	0.675	0.605	0.600	0.579	0.526	0.500	0.597	11.88

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.706	0.676	0.616	0.606	0.589	0.534	0.498	0.604	12.09	
41) P	Hexachlorocycl...	0.174	0.223	0.246	0.257	0.256	0.253	0.247	0.237	12.55	
42) S	2,4,6-Tribromo...	0.268	0.262	0.245	0.242	0.232	0.220	0.206	0.239	9.26	
43) C	2,4,6-Trichlor...	0.429	0.433	0.413	0.412	0.398	0.377	0.362	0.404	6.49	
44)	2,4,5-Trichlor...	0.446	0.440	0.419	0.418	0.412	0.382	0.370	0.412	6.79	
45) S	2-Fluorobiphenyl	1.352	1.148	1.102	1.061	0.930		1.119		13.73	
46)	1,1'-Biphenyl	1.665	1.589	1.417	1.382	1.339	1.195	1.098	1.383	14.51	
47)	2-Chloronaphth...	1.343	1.292	1.169	1.163	1.116	1.014	0.954	1.150	12.07	
48)	2-Nitroaniline	0.351	0.346	0.337	0.340	0.325	0.311	0.312	0.332	4.81	
49)	Acenaphthylene	1.975	1.876	1.688	1.667	1.622	1.439	1.357	1.661	13.20	
50)	Dimethylphthalate	1.552	1.493	1.373	1.350	1.325	1.237	1.203	1.362	9.30	
51)	2,6-Dinitrotol...	0.330	0.331	0.315	0.318	0.309	0.294	0.285	0.312	5.49	
52) C	Acenaphthene	1.273	1.204	1.116	1.102	1.067	0.977	0.921	1.094	11.13	
53)	3-Nitroaniline	0.370	0.364	0.345	0.356	0.345	0.322	0.317	0.346	5.84	
54) P	2,4-Dinitrophenol	0.109	0.140	0.152	0.164	0.158	0.163	0.163	0.150	13.22	
55)	Dibenzofuran	1.876	1.747	1.561	1.524	1.474	1.307		1.581	12.79	
56) P	4-Nitrophenol	0.257	0.254	0.249	0.261	0.250	0.241	0.238	0.250	3.28	
57)	2,4-Dinitrotol...	0.439	0.437	0.419	0.422	0.414	0.390	0.365	0.412	6.46	
58)	Fluorene	1.444	1.333	1.170	1.127	1.091	0.973		1.190	14.37	
59)	2,3,4,6-Tetrac...	0.388	0.389	0.368	0.377	0.357	0.329	0.312	0.360	8.26	
60)	Diethylphthalate	1.545	1.468	1.344	1.332	1.291	1.176	1.113	1.324	11.43	
61)	4-Chlorophenyl...	0.775	0.722	0.637	0.614	0.596	0.527		0.645	13.91	
62)	4-Nitroaniline	0.373	0.360	0.345	0.354	0.340	0.330	0.321	0.346	5.15	
63)	Azobenzene	1.312	1.266	1.152	1.128	1.101	1.012	0.943	1.131	11.52	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.099	0.109	0.114	0.120	0.117	0.114	0.114	0.112	5.92	
66) c	n-Nitrosodiphe...	0.678	0.650	0.589	0.584	0.561	0.504	0.489	0.579	11.98	
67)	4-Bromophenyl-...	0.268	0.261	0.239	0.238	0.232	0.214	0.204	0.237	9.82	
68)	Hexachlorobenzene	0.311	0.300	0.275	0.275	0.264	0.242	0.233	0.271	10.39	
69)	Atrazine	0.230	0.218	0.192	0.186	0.178	0.155		0.193	14.16	
70) C	Pentachlorophenol	0.140	0.151	0.149	0.150	0.145	0.137	0.132	0.143	5.06	
71)	Phenanthrene	1.170	1.110	0.968	0.949	0.904	0.803		0.984	13.71	
72)	Anthracene	1.176	1.094	0.952	0.943	0.906	0.802		0.979	13.73	
73)	Carbazole	1.040	0.973	0.873	0.870	0.817	0.749	0.693	0.859	14.07	
74)	Di-n-butylphth...	1.290	1.237	1.080	1.050	1.011	0.898		1.094	13.32	
75) C	Fluoranthene	1.295	1.216	1.045	1.042	0.977	0.870		1.074	14.54	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.688	0.670	0.636	0.589	0.562	0.484		0.605	12.55	
78)	Pyrene	1.520	1.471	1.373	1.331	1.380	1.277	1.252	1.372	7.09	
79) S	Terphenyl-d14	1.199	1.116	0.981	0.917	0.944	0.841	0.819	0.974	14.34	
80)	Butylbenzylpht...	0.636	0.644	0.638	0.618	0.634	0.616	0.597	0.626	2.61	
81)	Benzo(a)anthra...	1.404	1.329	1.183	1.188	1.156	1.050	1.021	1.190	11.63	
82)	3,3'-Dichlorob...	0.556	0.554	0.504	0.495	0.475	0.424	0.399	0.487	12.26	
83)	Chrysene	1.375	1.331	1.219	1.175	1.160	1.085	1.016	1.194	10.65	
84)	Bis(2-ethylhex...	0.883	0.884	0.824	0.769	0.775	0.731	0.695	0.795	9.15	
85) c	Di-n-octyl pht...	1.514	1.523	1.415	1.336	1.311	1.241	1.187	1.361	9.51	
86)	Indeno(1,2,3-c...	1.443	1.372	1.131	1.177	1.122	1.071	1.085	1.200	12.25	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.285	1.296	1.275	1.219	1.212	1.179	1.221	1.241	3.57
89)	Benzo(k)fluora...	1.260	1.175	1.074	1.118	1.104	0.972	0.862	1.081	12.09
90) C	Benzo(a)pyrene	1.165	1.133	1.061	1.078	1.052	0.993	0.954	1.062	6.92
91)	Dibenzo(a,h)an...	1.077	1.031	0.915	0.911	0.926	0.875	0.864	0.943	8.52
92)	Benzo(g,h,i)pe...	1.013	0.966	0.861	0.860	0.907	0.852	0.888	0.907	6.74

(#) = Out of Range