

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF011619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF112066.D 10 =BF112067.D 25 =BF112068.D 40 =BF112069.D 50 =BF112070.D 60 =BF112071.D 80 =BF112072.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.541	0.543	0.541	0.510	0.501	0.503	0.476	0.517	5.00
3)	Pyridine	1.128	1.301	1.418	1.331	1.326	1.318	1.238	1.294	6.98
4)	n-Nitrosodimet...	0.572	0.499	0.531	0.525	0.524	0.522	0.506	0.526	4.46
5) S	2-Fluorophenol	1.222	1.219	1.190	1.087	1.055	1.010	0.930	1.102	10.24
6)	Aniline	1.965	1.894	1.812	1.620	1.585	1.487	1.374	1.677	13.06
7) S	Phenol-d6	1.616	1.555	1.477	1.320	1.301	1.245	1.137	1.379	12.67
8)	2-Chlorophenol	1.421	1.398	1.375	1.238	1.250	1.188	1.088	1.280	9.63
9)	Benzaldehyde	1.083	1.034	0.901	0.718	0.659	0.605	0.463	0.780	29.62
10) C	Phenol	1.728	1.678	1.617	1.459	1.442	1.365	1.258	1.507	11.47
11)	bis(2-Chloroet...	1.300	1.298	1.248	1.170	1.184	1.122	1.063	1.198	7.45
12)	1,3-Dichlorobe...	1.649	1.586	1.540	1.418	1.409	1.358	1.263	1.460	9.35
13) C	1,4-Dichlorobe...	1.721	1.642	1.584	1.440	1.435	1.375	1.261	1.494	10.81
14)	1,2-Dichlorobe...	1.596	1.544	1.482	1.337	1.314	1.234	1.125	1.376	12.47
15)	Benzyl Alcohol	1.102	1.148	1.096	1.005	1.007	0.958	0.874	1.027	9.25
16)	2,2'-oxybis(1-...	2.011	1.955	1.852	1.662	1.657	1.540	1.419	1.728	12.66
17)	2-Methylphenol	1.057	1.043	1.021	0.935	0.935	0.899	0.837	0.961	8.52
18)	Hexachloroethane	0.521	0.530	0.526	0.493	0.496	0.476	0.448	0.499	5.96
19) P	n-Nitroso-di-n...		1.007	0.922	0.808	0.819	0.764	0.719	0.840	12.64
20)	3+4-Methylphenols		1.415	1.312	1.145	1.126	1.051	0.942	1.165	14.79
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.539	0.505	0.484	0.444	0.438	0.426	0.406	0.463	10.25
23) S	Nitrobenzene-d5	0.227	0.274	0.304	0.302	0.308	0.311	0.301	0.289	10.45
24)	Nitrobenzene	0.235	0.297	0.325	0.319	0.330	0.324	0.317	0.307	10.92
25)	Isophorone	0.607	0.580	0.565	0.536	0.546	0.544	0.535	0.559	4.77
26) C	2-Nitrophenol		0.101	0.132	0.147	0.157	0.164	0.167	0.145	17.13
27)	2,4-Dimethylph...	0.268	0.271	0.270	0.254	0.257	0.252	0.245	0.260	3.83
28)	bis(2-Chloroet...	0.419	0.403	0.398	0.370	0.375	0.366	0.354	0.384	6.11
29) C	2,4-Dichloroph...	0.273	0.293	0.299	0.282	0.286	0.281	0.270	0.284	3.66
30)	1,2,4-Trichlor...	0.350	0.346	0.343	0.322	0.323	0.317	0.304	0.329	5.18
31)	Naphthalene	1.026	0.991	0.970	0.884	0.869	0.845	0.783	0.910	9.66
32)	Benzoic acid		0.044	0.082	0.102	0.127	0.136	0.150	0.107	36.81
33)	4-Chloroaniline	0.452	0.434	0.427	0.392	0.390	0.381	0.385	0.409	6.90
34) C	Hexachlorobuta...	0.196	0.192	0.191	0.179	0.180	0.175	0.169	0.183	5.42
35)	Caprolactam	0.099	0.102	0.105	0.096	0.098	0.099	0.097	0.099	3.22
36) C	4-Chloro-3-met...	0.290	0.291	0.287	0.271	0.272	0.268	0.259	0.277	4.48
37)	2-Methylnaphth...	0.693	0.670	0.655	0.598	0.593	0.575	0.541	0.618	8.99
38)	1-Methylnaphth...	0.661	0.648	0.628	0.577	0.571	0.549	0.521	0.594	8.91

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.694	0.680	0.671	0.613	0.638	0.613	0.586	0.642	6.32	
41) P	Hexachlorocycl...		0.117	0.186	0.209	0.243	0.247	0.261	0.210	25.31	
42) S	2,4,6-Tribromo...	0.183	0.219	0.238	0.218	0.227	0.216	0.208	0.216	7.89	
43) C	2,4,6-Trichlor...	0.328	0.375	0.402	0.389	0.410	0.395	0.389	0.384	7.03	
44)	2,4,5-Trichlor...	0.371	0.408	0.431	0.405	0.428	0.415	0.407	0.409	4.85	
45) S	2-Fluorobiphenyl	1.621	1.556	1.433	1.234	1.219	1.123		1.364	14.80	
46)	1,1'-Biphenyl	1.930	1.851	1.786	1.599	1.591	1.518	1.431	1.672	11.05	
47)	2-Chloronaphth...	1.454	1.424	1.369	1.251	1.282	1.225	1.159	1.309	8.32	
48)	2-Nitroaniline		0.213	0.287	0.293	0.320	0.327	0.328	0.295	14.88	
49)	Acenaphthylene	2.175	2.103	2.025	1.823	1.845	1.753	1.648	1.910	10.16	
50)	Dimethylphthalate	1.622	1.535	1.504	1.374	1.434	1.380	1.360	1.459	6.75	
51)	2,6-Dinitrotol...		0.225	0.287	0.295	0.314	0.315	0.312	0.291	11.85	
52) C	Acenaphthene	1.345	1.278	1.237	1.105	1.118	1.077	1.020	1.169	10.16	
53)	3-Nitroaniline		0.263	0.326	0.323	0.346	0.348	0.348	0.326	10.07	
54) P	2,4-Dinitrophenol		0.022	0.042	0.058	0.073	0.083	0.094	0.062	43.36	
55)	Dibenzofuran	2.021	1.923	1.879	1.691	1.714	1.628	1.516	1.768	10.13	
56) P	4-Nitrophenol		0.133	0.193	0.202	0.224	0.230	0.234	0.202	18.62	
57)	2,4-Dinitrotol...		0.241	0.332	0.353	0.382	0.388	0.387	0.347	16.37	
58)	Fluorene	1.552	1.473	1.405	1.252	1.252	1.186	1.123	1.321	12.00	
59)	2,3,4,6-Tetrac...	0.254	0.301	0.330	0.313	0.329	0.320	0.314	0.309	8.41	
60)	Diethylphthalate	1.603	1.543	1.520	1.349	1.381	1.314	1.256	1.424	9.20	
61)	4-Chlorophenyl...	0.814	0.781	0.766	0.683	0.689	0.653	0.603	0.713	10.66	
62)	4-Nitroaniline		0.264	0.327	0.318	0.340	0.346	0.346	0.323	9.64	
63)	Azobenzene	1.554	1.472	1.434	1.298	1.334	1.258	1.194	1.363	9.36	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.033	0.055	0.071	0.084	0.089	0.094	0.071	33.04	
66) c	n-Nitrosodiphe...	0.731	0.714	0.689	0.640	0.641	0.626	0.588	0.661	7.77	
67)	4-Bromophenyl-...	0.243	0.242	0.241	0.223	0.231	0.225	0.220	0.232	4.25	
68)	Hexachlorobenzene	0.268	0.265	0.259	0.243	0.247	0.237	0.233	0.250	5.44	
69)	Atrazine	0.237	0.239	0.225	0.207	0.208	0.197	0.181	0.213	10.00	
70) C	Pentachlorophenol		0.068	0.093	0.104	0.116	0.119	0.120	0.103	19.50	
71)	Phenanthrene	1.160	1.110	1.062	0.971	0.956	0.923	0.864	1.007	10.61	
72)	Anthracene	1.174	1.131	1.082	0.982	0.963	0.930	0.876	1.020	10.86	
73)	Carbazole	1.179	1.135	1.092	0.975	0.966	0.937	0.865	1.021	11.28	
74)	Di-n-butylphth...	1.343	1.297	1.238	1.095	1.096	1.026	0.948	1.149	12.75	
75) C	Fluoranthene	1.239	1.193	1.139	1.015	1.001	0.956	0.897	1.063	12.08	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.832	0.746	0.677	0.536	0.545			0.667	19.22	
78)	Pyrene	1.374	1.372	1.342	1.279	1.282	1.304	1.284	1.320	3.21	
79) S	Terphenyl-d14	1.122	1.080	0.982	0.883	0.867	0.840	0.807	0.940	13.07	
80)	Butylbenzylpht...	0.516	0.573	0.601	0.576	0.589	0.596	0.600	0.579	5.14	
81)	Benzo(a)anthra...	1.276	1.212	1.198	1.094	1.108	1.077	1.063	1.147	7.09	
82)	3,3'-Dichlorob...	0.482	0.490	0.477	0.413	0.411	0.383	0.350	0.429	12.68	
83)	Chrysene	1.211	1.164	1.130	1.039	1.052	1.022	0.976	1.085	7.80	
84)	Bis(2-ethylhex...	0.852	0.870	0.866	0.807	0.825	0.808	0.779	0.830	4.12	
85) c	Di-n-octyl pht...	1.355	1.402	1.378	1.223	1.270	1.183	1.137	1.278	8.03	
86)	Indeno(1,2,3-c...	1.215	1.122	0.978	0.816	0.940	0.898	1.039	1.001	13.60	

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87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.148	1.107	1.181	1.108	1.164	1.168	1.071	1.135	3.57
89)		Benzo(k)fluora...	1.171	1.165	1.158	1.104	1.055	1.044	0.993	1.099	6.36
90)	C	Benzo(a)pyrene	1.084	1.080	1.072	1.009	1.036	1.023	0.985	1.041	3.70
91)		Dibenzo(a,h)an...	1.005	0.971	0.908	0.841	0.895	0.916	0.938	0.925	5.76
92)		Benzo(g,h,i)pe...	0.971	0.908	0.854	0.821	0.890	0.937	0.996	0.911	6.86

(#) = Out of Range