

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF091418.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Sep 14 13:26:52 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF108984.D 10 =BF108985.D 25 =BF108986.D 40 =BF108987.D 50 =BF108988.D 60 =BF108989.D 80 =BF108990.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.636	0.585	0.571	0.576	0.554	0.555	0.536	0.573	5.62
3)	Pyridine	1.509	1.501	1.428	1.565	1.548	1.562	1.525	1.520	3.12
4)	n-Nitrosodimet...	0.562	0.562	0.565	0.587	0.580	0.586	0.576	0.574	1.89
5) S	2-Fluorophenol	1.360	1.290	1.237	1.189	1.143	1.135	1.075	1.204	8.18
6)	Aniline	2.244	2.129	2.079	2.028	1.917	1.887	1.764	2.007	8.09
7) S	Phenol-d6	1.790	1.643	1.585	1.539	1.476	1.465	1.372	1.553	8.80
8)	2-Chlorophenol	1.530	1.439	1.372	1.346	1.292	1.272	1.182	1.348	8.50
9)	Benzaldehyde		1.173	1.084	1.030	0.969	0.903	0.792	0.992	13.63
10) C	Phenol	2.011	1.875	1.802	1.724	1.670	1.624	1.524	1.747	9.36
11)	bis(2-Chloroet...	1.518	1.462	1.392	1.355	1.336	1.312	1.247	1.374	6.68
12)	1,3-Dichlorobe...	1.744	1.644	1.570	1.529	1.474	1.462	1.364	1.541	8.16
13) C	1,4-Dichlorobe...	1.727	1.639	1.595	1.550	1.481	1.464	1.366	1.546	7.80
14)	1,2-Dichlorobe...	1.667	1.569	1.485	1.414	1.354	1.326	1.219	1.433	10.65
15)	Benzyl Alcohol	1.257	1.260	1.232	1.189	1.146	1.124	1.044	1.179	6.74
16)	2,2'-oxybis(1-...	2.154	2.077	2.018	1.961	1.926	1.875	1.774	1.969	6.45
17)	2-Methylphenol	1.248	1.126	1.107	1.097	1.063	1.056	0.999	1.099	7.06
18)	Hexachloroethane	0.625	0.581	0.573	0.562	0.545	0.533	0.511	0.562	6.58
19) P	n-Nitroso-di-n...	1.151	1.095	1.039	1.009	0.994	0.967	0.929	1.026	7.40
20)	3+4-Methylphenols	1.556	1.512	1.403	1.302	1.233	1.171	1.091	1.324	13.16
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.548	0.507	0.457	0.437	0.420	0.415	0.395	0.454	12.11
23) S	Nitrobenzene-d5	0.394	0.379	0.361	0.352	0.342	0.340	0.327	0.357	6.58
24)	Nitrobenzene	0.403	0.390	0.373	0.369	0.353	0.351	0.335	0.368	6.36
25)	Isophorone	0.665	0.640	0.616	0.602	0.596	0.593	0.578	0.613	4.94
26) C	2-Nitrophenol	0.171	0.173	0.174	0.175	0.174	0.168	0.167	0.172	1.72
27)	2,4-Dimethylph...	0.290	0.284	0.275	0.267	0.260	0.260	0.248	0.269	5.45
28)	bis(2-Chloroet...	0.457	0.445	0.421	0.409	0.395	0.387	0.374	0.412	7.37
29) C	2,4-Dichloroph...	0.305	0.301	0.294	0.289	0.281	0.274	0.265	0.287	5.08
30)	1,2,4-Trichlor...	0.349	0.330	0.321	0.304	0.299	0.291	0.276	0.310	8.03
31)	Naphthalene	1.096	1.011	0.963	0.910	0.873	0.849	0.796	0.928	11.08
32)	Benzoic acid		0.159	0.187	0.167	0.171	0.183	0.188	0.176	6.76
33)	4-Chloroaniline	0.469	0.448	0.434	0.410	0.394	0.379	0.355	0.413	9.76
34) C	Hexachlorobuta...	0.210	0.202	0.195	0.188	0.183	0.179	0.168	0.189	7.60
35)	Caprolactam		0.099	0.097	0.095	0.092	0.090	0.089	0.094	3.99
36) C	4-Chloro-3-met...	0.329	0.321	0.310	0.302	0.291	0.286	0.276	0.302	6.34
37)	2-Methylnaphth...	0.728	0.663	0.625	0.588	0.566	0.547	0.518	0.605	12.02

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.751	0.694	0.646	0.616	0.590	0.574	0.534	0.629	11.80
40) P	Hexachlorocycl...	0.256	0.315	0.334	0.334	0.332	0.333	0.314	0.317	8.88
41) S	2,4,6-Tribromo...	0.233	0.240	0.227	0.218	0.208	0.203	0.192	0.217	7.90
42) C	2,4,6-Trichlor...	0.450	0.444	0.429	0.426	0.413	0.410	0.389	0.423	4.94
43)	2,4,5-Trichlor...	0.466	0.472	0.457	0.436	0.425	0.429	0.411	0.442	5.16
44) S	2-Fluorobiphenyl	1.574	1.406	1.260	1.190	1.156	1.072	1.277		14.43
45)	1,1'-Biphenyl	1.906	1.809	1.666	1.552	1.480	1.473	1.314	1.600	12.92
46)	2-Chloronaphth...	1.501	1.415	1.321	1.242	1.201	1.197	1.093	1.281	10.96
47)	2-Nitroaniline	0.412	0.414	0.399	0.392	0.386	0.389	0.367	0.394	4.10
48)	Acenaphthylene	2.308	2.155	1.986	1.867	1.810	1.777	1.622	1.932	12.21
49)	Dimethylphthalate	1.620	1.562	1.480	1.402	1.342	1.345	1.255	1.429	9.12
50)	2,6-Dinitrotol...	0.313	0.334	0.334	0.322	0.309	0.311	0.296	0.317	4.34
51) C	Acenaphthene	1.384	1.320	1.235	1.186	1.131	1.123	1.042	1.203	9.92
52)	3-Nitroaniline	0.391	0.393	0.389	0.373	0.365	0.360	0.341	0.373	5.19
53) P	2,4-Dinitrophenol	0.099	0.116	0.124	0.128	0.133	0.132	0.122		10.76
54)	Dibenzofuran	2.096	1.957	1.807	1.691	1.609	1.578	1.431	1.739	13.27
55) P	4-Nitrophenol	0.248	0.283	0.288	0.284	0.275	0.279	0.268	0.275	5.03
56)	2,4-Dinitrotol...	0.395	0.443	0.435	0.420	0.415	0.408	0.386	0.415	4.88
57)	Fluorene	1.398	1.257	1.156	1.088	1.068	0.983	1.159		12.85
58)	2,3,4,6-Tetrac...	0.371	0.398	0.384	0.363	0.354	0.359	0.334	0.366	5.65
59)	Diethylphthalate	1.618	1.592	1.495	1.431	1.360	1.354	1.255	1.444	9.20
60)	4-Chlorophenyl...	0.755	0.673	0.624	0.583	0.571	0.516	0.620		13.63
61)	4-Nitroaniline	0.363	0.369	0.366	0.356	0.347	0.348	0.333	0.355	3.58
62)	Azobenzene	1.698	1.640	1.536	1.452	1.377	1.373	1.267	1.478	10.50
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.081	0.094	0.096	0.102	0.100	0.101	0.096		7.96
65) c	n-Nitrosodiphe...	0.746	0.718	0.673	0.641	0.622	0.608	0.572	0.654	9.42
66)	4-Bromophenyl-...	0.254	0.243	0.233	0.222	0.218	0.210	0.199	0.225	8.49
67)	Hexachlorobenzene	0.271	0.263	0.247	0.237	0.229	0.227	0.214	0.241	8.54
68)	Atrazine	0.229	0.228	0.218	0.204	0.203	0.197	0.187	0.209	7.74
69) C	Pentachlorophenol	0.116	0.152	0.165	0.165	0.164	0.162	0.156	0.154	11.47
70)	Phenanthrene	1.174	1.101	1.005	0.947	0.910	0.899	0.827	0.980	12.40
71)	Anthracene	1.203	1.114	1.025	0.948	0.923	0.908	0.835	0.994	12.90
72)	Carbazole	1.185	1.086	1.018	0.953	0.918	0.895	0.832	0.984	12.31
73)	Di-n-butylphth...	1.330	1.305	1.212	1.126	1.080	1.061	0.947	1.152	12.00
74) C	Fluoranthene	1.261	1.159	1.078	0.995	0.957	0.943	0.853	1.035	13.52
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.845	0.763	0.706	0.650	0.684	0.601	0.708		12.21
77)	Pyrene	1.430	1.441	1.475	1.524	1.466	1.584	1.479	1.486	3.57
78) S	Terphenyl-d14	0.884	0.853	0.839	0.857	0.805	0.858	0.811	0.844	3.30
79)	Butylbenzylphth...	0.585	0.628	0.667	0.698	0.680	0.708	0.679	0.664	6.46
80)	Benzo(a)anthra...	1.275	1.236	1.247	1.231	1.172	1.198	1.116	1.211	4.40
81)	3,3'-Dichlorob...	0.488	0.506	0.518	0.515	0.495	0.466	0.433	0.489	6.16
82)	Chrysene	1.280	1.206	1.217	1.241	1.216	1.187	1.134	1.211	3.73

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83)	Bis(2-ethylhex...	0.769	0.795	0.828	0.845	0.802	0.816	0.768	0.803	3.57
84) c	Di-n-octyl pht...	1.299	1.398	1.426	1.419	1.391	1.313	1.291	1.363	4.35
85)	Indeno(1,2,3-c...	1.061	0.971	0.876	0.893	0.882	1.029	1.068	0.969	8.82
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.149	1.171	1.086	1.166	1.059	1.054	1.061	1.106	4.82
88)	Benzo(k)fluora...	1.181	1.061	1.109	1.026	1.006	0.984	0.868	1.033	9.59
89) C	Benzo(a)pyrene	1.077	1.032	1.007	0.985	0.939	0.940	0.897	0.983	6.30
90)	Dibenzo(a,h)an...	0.875	0.832	0.763	0.803	0.753	0.887	0.866	0.826	6.56
91)	Benzo(g,h,i)pe...	0.849	0.784	0.724	0.801	0.748	0.945	0.926	0.825	10.32

(#) = Out of Range