

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF100721.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Oct 07 17:16:23 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF125765.D 10 =BF125766.D 20 =BF125767.D 40 =BF125768.D 50 =BF125769.D 60 =BF125770.D 80 =BF125771.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.626	0.580	0.535	0.500	0.478	0.483	0.447	0.521	12.10
3)	Pyridine	1.482	1.444	1.393	1.342	1.267	1.295	1.217	1.349	7.15
4)	n-Nitrosodimet...	0.573	0.509	0.492	0.477	0.452	0.460	0.435	0.485	9.48
5) S	2-Fluorophenol	1.546	1.402	1.296	1.176	1.091	1.087	0.972	1.224	16.44
6)	Aniline	2.167	2.009	1.889	1.770	1.653	1.665	1.549	1.815	12.08
7) S	Phenol-d6	1.983	1.827	1.664	1.504	1.404	1.393	1.257	1.576	16.52
8)	2-Chlorophenol	1.666	1.503	1.421	1.302	1.212	1.201	1.081	1.341	15.01
9)	Benzaldehyde		1.091	0.973	0.876	0.791	0.755	0.646	0.855	18.67
10) C	Phenol	1.891	1.763	1.654	1.482	1.383	1.359	1.196	1.533	16.09
11)	bis(2-Chloroet...	1.531	1.397	1.296	1.202	1.122	1.122	1.021	1.242	14.33
12)	1,3-Dichlorobe...	1.828	1.648	1.539	1.409	1.325	1.308	1.183	1.463	15.22
13) C	1,4-Dichlorobe...	1.888	1.672	1.567	1.443	1.349	1.327	1.197	1.492	15.75
14)	1,2-Dichlorobe...	1.759	1.618	1.498	1.351	1.255	1.223	1.076	1.397	17.19
15)	Benzyl Alcohol	1.259	1.150	1.103	1.027	0.959	0.955	0.858	1.044	13.01
16)	2,2'-oxybis(1-...	1.959	1.760	1.664	1.541	1.446	1.424	1.322	1.588	13.92
17)	2-Methylphenol	1.299	1.172	1.109	1.027	0.980	0.977	0.908	1.068	12.64
18)	Hexachloroethane	0.616	0.574	0.542	0.503	0.470	0.464	0.428	0.514	13.03
19) P	n-Nitroso-di-n...	1.027	0.939	0.885	0.801	0.746	0.732	0.695	0.832	14.67
20)	3+4-Methylphenols	1.708	1.566	1.424	1.270	1.150	1.120	0.977	1.317	19.86
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.570	0.503	0.463	0.414	0.391	0.387	0.349	0.440	17.53
23) S	Nitrobenzene-d5	0.364	0.346	0.335	0.316	0.304	0.305	0.282	0.322	8.71
24)	Nitrobenzene	0.355	0.334	0.322	0.304	0.297	0.297	0.274	0.312	8.70
25)	Isophorone	0.658	0.616	0.583	0.552	0.530	0.534	0.517	0.570	9.05
26) C	2-Nitrophenol	0.141	0.151	0.161	0.164	0.162	0.166	0.159	0.158	5.51
27)	2,4-Dimethylph...	0.304	0.281	0.270	0.257	0.248	0.246	0.232	0.263	9.30
28)	bis(2-Chloroet...	0.481	0.432	0.407	0.380	0.367	0.360	0.342	0.396	12.18
29) C	2,4-Dichloroph...	0.322	0.303	0.291	0.275	0.268	0.268	0.254	0.283	8.29
30)	1,2,4-Trichlor...	0.385	0.341	0.322	0.297	0.283	0.283	0.260	0.310	13.77
31)	Naphthalene	1.225	1.112	1.028	0.925	0.875	0.857	0.747	0.967	17.00
32)	Benzoic acid		0.138	0.169	0.194	0.198	0.202	0.207	0.185	14.40
33)	4-Chloroaniline	0.486	0.448	0.423	0.392	0.376	0.364	0.344	0.405	12.43
34) C	Hexachlorobuta...	0.209	0.189	0.181	0.167	0.161	0.160	0.146	0.173	12.24
35)	Caprolactam	0.092	0.085	0.084	0.080	0.078	0.078	0.076	0.082	6.70
36) C	4-Chloro-3-met...	0.323	0.295	0.286	0.270	0.258	0.258	0.245	0.276	9.72
37)	2-Methylnaphth...	0.771	0.713	0.669	0.602	0.570	0.560	0.497	0.626	15.30
38)	1-Methylnaphth...	0.763	0.688	0.646	0.580	0.551	0.543	0.483	0.608	15.85

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.660	0.600	0.555	0.531	0.483	0.488	0.441	0.537	14.03
41) P	Hexachlorocycl...	0.253	0.254	0.268	0.276	0.266	0.270	0.258	0.263	3.30
42) S	2,4,6-Tribromo...	0.234	0.214	0.208	0.195	0.184	0.179	0.169	0.197	11.33
43) C	2,4,6-Trichlor...	0.443	0.413	0.395	0.384	0.366	0.370	0.352	0.389	7.95
44)	2,4,5-Trichlor...	0.471	0.441	0.423	0.413	0.386	0.391	0.370	0.414	8.43
45) S	2-Fluorobiphenyl	1.509	1.340	1.154	1.052	1.022	0.880	1.160		19.77
46)	1,1'-Biphenyl	1.857	1.683	1.550	1.427	1.338	1.301	1.138	1.470	16.66
47)	2-Chloronaphth...	1.478	1.320	1.240	1.167	1.100	1.073	0.979	1.194	14.05
48)	2-Nitroaniline	0.287	0.288	0.295	0.295	0.282	0.283	0.276	0.287	2.43
49)	Acenaphthylene	2.189	1.961	1.855	1.720	1.579	1.563	1.373	1.748	15.76
50)	Dimethylphthalate	1.625	1.464	1.376	1.293	1.206	1.169	1.083	1.317	14.19
51)	2,6-Dinitrotol...	0.275	0.273	0.278	0.271	0.258	0.259	0.249	0.266	4.04
52) C	Acenaphthene	1.351	1.200	1.136	1.067	1.001	0.989	0.903	1.092	13.77
53)	3-Nitroaniline	0.336	0.320	0.331	0.319	0.305	0.299	0.292	0.315	5.24
54) P	2,4-Dinitrophenol	0.077	0.102	0.119	0.122	0.126	0.132	0.113		18.09
55)	Dibenzofuran	2.096	1.852	1.731	1.594	1.462	1.441	1.278	1.636	17.02
56) P	4-Nitrophenol	0.236	0.228	0.251	0.243	0.229	0.232	0.224	0.235	4.05
57)	2,4-Dinitrotol...	0.339	0.332	0.355	0.348	0.331	0.329	0.320	0.336	3.56
58)	Fluorene	1.593	1.393	1.273	1.143	1.057	1.028	0.902	1.199	19.84
59)	2,3,4,6-Tetrac...	0.356	0.341	0.327	0.305	0.294	0.289	0.274	0.312	9.55
60)	Diethylphthalate	1.548	1.364	1.325	1.236	1.156	1.125	1.042	1.256	13.59
61)	4-Chlorophenyl...	0.760	0.672	0.615	0.554	0.506	0.490	0.444	0.577	19.32
62)	4-Nitroaniline	0.318	0.293	0.304	0.295	0.277	0.273	0.277	0.291	5.64
63)	Azobenzene	1.471	1.304	1.244	1.156	1.077	1.046	0.968	1.181	14.61
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.070	0.080	0.100	0.107	0.110	0.115	0.117	0.100	18.22
66) c	n-Nitrosodiphe...	0.818	0.756	0.694	0.663	0.620	0.649	0.577	0.682	12.06
67)	4-Bromophenyl-...	0.257	0.243	0.225	0.215	0.205	0.211	0.193	0.221	10.03
68)	Hexachlorobenzene	0.306	0.273	0.253	0.238	0.229	0.242	0.216	0.251	11.97
69)	Atrazine	0.233	0.211	0.210	0.193	0.184	0.181	0.173	0.198	10.72
70) C	Pentachlorophenol	0.126	0.127	0.141	0.138	0.135	0.140	0.132	0.134	4.57
71)	Phenanthrene	1.362	1.215	1.118	1.027	0.952	0.960	0.855	1.070	16.31
72)	Anthracene	1.343	1.217	1.113	1.026	0.966	0.976	0.840	1.069	15.86
73)	Carbazole	1.257	1.113	1.063	0.954	0.885	0.884	0.805	0.995	15.87
74)	Di-n-butylphth...	1.362	1.199	1.224	1.069	0.999	0.959	0.874	1.098	15.61
75) C	Fluoranthene	1.280	1.076	1.071	0.911	0.842	0.825	0.753	0.966	19.15
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	1.014	0.757	0.733	0.738	0.647	0.670	0.564	0.732	19.27
78)	Pyrene	2.391	2.356	2.100	2.063	1.895	1.770	1.648	2.032	13.84
79) S	Terphenyl-d14	1.682	1.468	1.346	1.234	1.130	1.017	1.313		18.29
80)	Butylbenzylpht...	0.698	0.638	0.732	0.656	0.639	0.596	0.599	0.651	7.62
81)	Benzo(a)anthra...	1.541	1.397	1.317	1.271	1.202	1.227	1.128	1.298	10.56
82)	3,3'-Dichlorob...	0.380	0.398	0.388	0.427	0.418	0.451	0.408	0.410	5.96
83)	Chrysene	1.504	1.343	1.296	1.263	1.198	1.234	1.141	1.283	9.15
84)	Bis(2-ethylhex...	0.721	0.671	0.767	0.721	0.712	0.701	0.668	0.709	4.76
85) c	Di-n-octyl pht...	0.836	1.043	1.027	1.292	1.345	1.406	1.316	1.181	17.95

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	I	Perylene-d12	- - - - - ISTD - - - - -	
86)		Indeno(1,2,3-c...	1.724 1.647 1.534 1.510 1.446 1.449 1.374 1.526	8.01
88)		Benzo(b)fluora...	1.319 1.163 1.135 1.122 1.050 1.058 1.056 1.129	8.41
89)		Benzo(k)fluora...	1.321 1.262 1.235 1.129 1.077 1.090 1.001 1.159	9.97
90)	C	Benzo(a)pyrene	1.089 1.029 1.024 1.002 0.962 0.969 0.925 1.000	5.38
91)		Dibenzo(a,h)an...	1.430 1.376 1.275 1.258 1.190 1.176 1.108 1.259	9.03
92)		Benzo(g,h,i)pe...	1.444 1.384 1.282 1.272 1.222 1.233 1.164 1.286	7.56

(#) = Out of Range