

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081920.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

5 =BF121325.D 10 =BF121326.D 20 =BF121327.D 40 =BF121328.D 50 =BF121329.D 60 =BF121330.D 80 =BF121331.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.626	0.642	0.535	0.513	0.519	0.522	0.507	0.552	10.37
3)	Pyridine	1.633	1.642	1.410	1.425	1.394	1.450	1.415	1.481	7.30
4)	n-Nitrosodimet...	0.696	0.621	0.594	0.572	0.577	0.589	0.572	0.603	7.36
5) S	2-Fluorophenol	1.567	1.463	1.270	1.119	1.091	1.059	0.969	1.220	18.26
6)	Aniline	2.323	2.151	1.884	1.667	1.596	1.540	1.425	1.798	18.60
7) S	Phenol-d6	2.038	1.879	1.618	1.435	1.382	1.339	1.209	1.557	19.50
8)	2-Chlorophenol	1.589	1.500	1.314	1.191	1.159	1.147	1.024	1.275	16.02
9)	Benzaldehyde	1.157	0.975	0.852	0.820	0.794	0.657	0.876		19.57
10) C	Phenol	2.070	1.954	1.683	1.426	1.347	1.315		1.633	19.80
11)	bis(2-Chloroet...	1.575	1.421	1.256	1.166	1.156	1.150	1.078	1.257	14.14
12)	1,3-Dichlorobe...	1.803	1.688	1.476	1.325	1.285	1.262	1.159	1.428	16.68
13) C	1,4-Dichlorobe...	1.852	1.701	1.489	1.329	1.298	1.272	1.151	1.442	17.55
14)	1,2-Dichlorobe...	1.749	1.611	1.385	1.224	1.156	1.115		1.373	18.83
15)	Benzyl Alcohol		1.191	1.015	0.873	0.822	0.783		0.937	17.80
16)	2,2'-oxybis(1-...	2.405	2.163	1.886	1.725	1.665	1.635	1.480	1.851	17.65
17)	2-Methylphenol	1.330	1.227	1.063	0.964	0.946	0.958	0.875	1.052	15.87
18)	Hexachloroethane	0.668	0.622	0.551	0.503	0.490	0.480	0.445	0.537	15.17
19) P	n-Nitroso-di-n...	1.107	1.019	0.858	0.749	0.720	0.721	0.688	0.837	19.72
20)	3+4-Methylphenols		1.556	1.317	1.108	1.022	0.976		1.196	20.09
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.624	0.563	0.479	0.417	0.405	0.405	0.380	0.468	19.90
23) S	Nitrobenzene-d5	0.433	0.408	0.354	0.323	0.320	0.327	0.312	0.354	13.53
24)	Nitrobenzene	0.437	0.408	0.361	0.334	0.331	0.336	0.316	0.360	12.46
25)	Isophorone	0.779	0.713	0.624	0.586	0.589	0.609	0.605	0.644	11.47
26) C	2-Nitrophenol	0.203	0.198	0.180	0.176	0.177	0.184	0.176	0.185	6.02
27)	2,4-Dimethylph...	0.315	0.295	0.265	0.244	0.242	0.247	0.238	0.264	11.39
28)	bis(2-Chloroet...	0.544	0.494	0.434	0.403	0.400	0.402	0.389	0.438	13.41
29) C	2,4-Dichloroph...	0.352	0.325	0.288	0.266	0.265	0.269	0.251	0.288	12.87
30)	1,2,4-Trichlor...	0.417	0.381	0.331	0.300	0.298	0.299	0.279	0.329	15.59
31)	Naphthalene	1.284	1.190	1.019	0.902	0.882	0.877	0.814	0.995	17.90
32)	Benzoic acid		0.114	0.156	0.189	0.199	0.213	0.226	0.183	22.52
33)	4-Chloroaniline	0.533	0.494	0.432	0.401	0.401	0.417	0.407	0.441	11.81
34) C	Hexachlorobuta...	0.248	0.228	0.199	0.180	0.175	0.174	0.160	0.195	16.46
35)	Caprolactam	0.107	0.102	0.090	0.087	0.090	0.092	0.092	0.094	7.69
36) C	4-Chloro-3-met...	0.350	0.329	0.290	0.269	0.266	0.272	0.262	0.291	11.97
37)	2-Methylnaphth...	0.834	0.773	0.662	0.594	0.571	0.559	0.522	0.645	18.24
38)	1-Methylnaphth...	0.796	0.733	0.633	0.559	0.542	0.533	0.499	0.613	18.27

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.740	0.699	0.612	0.552	0.541	0.531	0.480	0.594	16.03	
41) P	Hexachlorocycl...		0.126	0.168	0.207	0.221	0.234	0.235	0.198	21.83	
42) S	2,4,6-Tribromo...	0.288	0.274	0.243	0.217	0.205	0.208	0.197	0.233	15.52	
43) C	2,4,6-Trichlor...	0.467	0.452	0.411	0.383	0.378	0.383	0.367	0.406	9.66	
44)	2,4,5-Trichlor...	0.480	0.463	0.426	0.394	0.392	0.392	0.376	0.418	9.56	
45) S	2-Fluorobiphenyl	1.790	1.598	1.316	1.085	1.013	0.976		1.296	25.88	
46)	1,1'-Biphenyl	1.946	1.807	1.570	1.393	1.320	1.297	1.160	1.499	19.23	
47)	2-Chloronaphth...	1.581	1.446	1.276	1.145	1.103	1.098	0.997	1.235	17.07	
48)	2-Nitroaniline	0.448	0.426	0.384	0.364	0.361	0.370	0.369	0.389	8.79	
49)	Acenaphthylene	2.377	2.212	1.915	1.700	1.623	1.588	1.425	1.834	19.07	
50)	Dimethylphthalate	1.806	1.649	1.446	1.339	1.311	1.319	1.314	1.455	13.56	
51)	2,6-Dinitrotol...	0.361	0.342	0.313	0.291	0.288	0.294	0.286	0.311	9.50	
52) C	Acenaphthene	1.454	1.333	1.146	1.010	0.989	0.971	0.899	1.115	18.60	
53)	3-Nitroaniline	0.448	0.431	0.390	0.361	0.362	0.363	0.367	0.389	9.34	
54) P	2,4-Dinitrophenol	0.104	0.133	0.132	0.154	0.162	0.175	0.189	0.150	19.50	
55)	Dibenzofuran	2.245	2.053	1.755	1.484	1.417	1.344		1.716	21.43	
56) P	4-Nitrophenol	0.236	0.249	0.239	0.232	0.234	0.242	0.247	0.240	2.69	
57)	2,4-Dinitrotol...	0.476	0.450	0.404	0.361	0.340	0.327	0.295	0.379	17.60	
58)	Fluorene	1.736	1.572	1.332	1.110	1.019	0.990		1.293	23.86	
59)	2,3,4,6-Tetrac...	0.421	0.393	0.356	0.338	0.339	0.333	0.319	0.357	10.24	
60)	Diethylphthalate	1.831	1.672	1.451	1.305	1.261	1.241	1.185	1.421	17.23	
61)	4-Chlorophenyl...	0.889	0.809	0.670	0.552	0.514	0.500		0.656	24.86	
62)	4-Nitroaniline	0.466	0.448	0.398	0.369	0.360	0.367	0.379	0.398	10.63	
63)	Azobenzene	1.691	1.562	1.348	1.220	1.177	1.161	1.080	1.320	17.23	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.093	0.100	0.104	0.109	0.110	0.116	0.116	0.107	7.85	
66) c	n-Nitrosodiphe...	0.783	0.709	0.621	0.571	0.562	0.560	0.513	0.617	15.54	
67)	4-Bromophenyl-...	0.275	0.254	0.222	0.209	0.204	0.206	0.185	0.222	14.20	
68)	Hexachlorobenzene	0.329	0.299	0.252	0.237	0.230	0.231	0.212	0.256	16.49	
69)	Atrazine	0.237	0.219	0.192	0.178	0.172	0.176	0.164	0.191	14.17	
70) C	Pentachlorophenol	0.099	0.102	0.109	0.117	0.120	0.125	0.124	0.114	9.24	
71)	Phenanthrene	1.319	1.221	1.035	0.909	0.871	0.856		1.035	18.84	
72)	Anthracene	1.307	1.192	1.038	0.904	0.884	0.867	0.786	0.997	19.15	
73)	Carbazole	1.226	1.144	0.990	0.862	0.831	0.842	0.763	0.951	18.40	
74)	Di-n-butylphth...	1.500	1.386	1.185	1.053	1.014	0.992	0.898	1.147	19.36	
75) C	Fluoranthene	1.442	1.338	1.126	0.981	0.934	0.921		1.124	19.68	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.658	0.556	0.524	0.543	0.506	0.551	0.519	0.551	9.16	
78)	Pyrene	1.795	1.641	1.493	1.429	1.429	1.483	1.247	1.502	11.58	
79) S	Terphenyl-d14	1.337	1.188	1.006	0.864	0.858	0.888		1.023	19.41	
80)	Butylbenzylpht...	0.715	0.691	0.625	0.616	0.630	0.648	0.593	0.646	6.68	
81)	Benzo(a)anthra...	1.591	1.451	1.235	1.078	1.048	1.050		1.242	18.59	
82)	3,3'-Dichlorob...	0.584	0.538	0.486	0.450	0.439	0.433	0.409	0.477	13.23	
83)	Chrysene	1.576	1.455	1.286	1.162	1.155	1.182	1.079	1.270	14.28	
84)	Bis(2-ethylhex...	0.994	0.909	0.784	0.694	0.688	0.685	0.559	0.759	19.65	
85) c	Di-n-octyl pht...	1.665	1.581	1.416	1.304	1.291	1.334	1.243	1.405	11.37	

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86) I Perylene-d12

-----ISTD-----

87)	Indeno(1,2,3-c...	1.506	1.354	1.173	1.114	1.131	1.188	1.079	1.221	12.60
88)	Benzo(b)fluora...	1.570	1.417	1.248	1.216	1.190	1.209	1.196	1.292	11.26
89)	Benzo(k)fluora...	1.365	1.334	1.207	1.061	1.062	1.103	0.829	1.137	16.18
90) C	Benzo(a)pyrene	1.343	1.234	1.111	1.038	1.036	1.078	0.975	1.116	11.54
91)	Dibenzo(a,h)an...	1.254	1.135	0.987	0.911	0.920	0.957	0.843	1.001	14.36
92)	Benzo(g,h,i)pe...	1.202	1.063	0.924	0.885	0.922	0.969	0.886	0.979	11.85

(#) = Out of Range