

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF032519.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 =BF113273.D 20 =BF113274.D 40 =BF113275.D 50 =BF113276.D 60 =BF113277.D 80 =BF113278.D 100 =BF113279.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.632	0.681	0.588	0.601	0.595	0.646	0.601	0.621	5.45
3)	Pyridine	1.388	1.625	1.371	1.526	1.494	1.774	1.532	1.530	9.06
4)	n-Nitrosodimet...	0.628	0.723	0.585	0.663	0.666	0.795	0.702	0.680	10.00
5) S	2-Fluorophenol	1.194	1.421	1.097	1.210	1.226	1.273	1.142	1.223	8.52
6)	Aniline		2.255	1.840	1.932	1.809	1.686	1.784	1.884	10.53
7) S	Phenol-d6	1.772	1.819	1.472	1.566	1.427	1.351	1.423	1.547	11.77
8)	2-Chlorophenol	1.565	1.751	1.360	1.443	1.234	1.272	1.318	1.420	12.91
9)	Benzaldehyde		1.309	0.994	1.039	1.026	0.869	0.992	1.038	14.04
10) C	Phenol	1.940	2.042	1.677	1.778	1.665	1.575	1.688	1.767	9.47
11)	bis(2-Chloroet...	1.380	1.627	1.273	1.370	1.294	1.224	1.309	1.354	9.75
12)	1,3-Dichlorobe...	1.740	1.672	1.459	1.584	1.516	1.386	1.360	1.531	9.32
13) C	1,4-Dichlorobe...	1.631	1.606	1.486	1.468	1.465	1.389	1.302	1.478	7.77
14)	1,2-Dichlorobe...	1.724	1.631	1.408	1.392	1.321	1.250		1.454	12.67
15)	Benzyl Alcohol		1.195	1.065	1.063	0.979	0.954	0.869	1.021	11.02
16)	2,2'-oxybis(1-...	2.310	2.230	2.096	2.140	1.990	1.836	1.637	2.034	11.50
17)	2-Methylphenol	1.281	1.148	1.136	1.179	1.082	1.031	0.936	1.113	9.93
18)	Hexachloroethane	0.529	0.654	0.547	0.469	0.530	0.518	0.470	0.531	11.70
19) P	n-Nitroso-di-n...	1.156	1.138	0.929	0.882	0.873	0.853		0.972	14.19
20)	3+4-Methylphenols	1.692	1.658	1.358	1.244	1.252	1.161		1.394	16.26
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.493	0.451	0.470	0.523	0.413	0.428	0.415	0.456	9.14
23) S	Nitrobenzene-d5	0.311	0.340	0.368	0.351	0.325	0.336	0.327	0.337	5.54
24)	Nitrobenzene	0.325	0.355	0.393	0.362	0.342	0.345	0.339	0.352	6.19
25)	Isophorone	0.631	0.640	0.690	0.661	0.671	0.640	0.639	0.653	3.32
26) C	2-Nitrophenol	0.171	0.177	0.201	0.194	0.191	0.186	0.180	0.186	5.66
27)	2,4-Dimethylph...	0.269	0.272	0.284	0.270	0.262	0.260	0.254	0.267	3.62
28)	bis(2-Chloroet...	0.457	0.436	0.429	0.409	0.383	0.388	0.378	0.411	7.36
29) C	2,4-Dichloroph...	0.320	0.282	0.304	0.295	0.285	0.275	0.268	0.290	6.20
30)	1,2,4-Trichlor...	0.346	0.310	0.328	0.318	0.292	0.302	0.292	0.313	6.31
31)	Naphthalene	1.122	1.034	0.977	0.978	0.945	0.907	0.879	0.977	8.32
32)	Benzoic acid		0.187	0.221	0.237	0.211	0.216	0.220	0.215	7.72
33)	4-Chloroaniline		0.408	0.347	0.398	0.391	0.375	0.367	0.381	5.85
34) C	Hexachlorobuta...	0.212	0.173	0.172	0.195	0.191	0.182	0.176	0.186	7.82
35)	Caprolactam	0.096	0.076	0.093	0.098	0.100	0.093	0.094	0.093	8.67
36) C	4-Chloro-3-met...	0.321	0.262	0.261	0.306	0.309	0.292	0.288	0.291	7.99
37)	2-Methylnaphth...	0.689	0.571	0.556	0.641	0.639	0.592	0.581	0.610	7.85
38)	1-Methylnaphth...	0.650	0.551	0.536	0.621	0.620	0.572	0.556	0.587	7.43

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.747	0.689	0.644	0.638	0.623	0.581	0.573	0.642	9.48	
41) P	Hexachlorocycl...		0.223	0.263	0.280	0.286	0.289	0.289	0.272	9.51	
42) S	2,4,6-Tribromo...	0.276	0.267	0.253	0.250	0.230	0.228	0.226	0.247	8.06	
43) C	2,4,6-Trichlor...	0.473	0.434	0.416	0.416	0.411	0.389	0.387	0.418	7.00	
44)	2,4,5-Trichlor...	0.575	0.469	0.455	0.454	0.443	0.423	0.420	0.463	11.37	
45) S	2-Fluorobiphenyl	1.932	1.521	1.342	1.292	1.202	1.153	1.104	1.364	20.99	
46)	1,1'-Biphenyl	2.134	1.814	1.660	1.620	1.553	1.471	1.441	1.670	14.35	
47)	2-Chloronaphth...	1.618	1.353	1.282	1.237	1.215	1.158	1.139	1.286	12.71	
48)	2-Nitroaniline	0.455	0.409	0.402	0.402	0.384	0.382	0.392	0.404	6.11	
49)	Acenaphthylene	2.396	2.281	2.132	2.073	1.976	1.874	1.825	2.080	10.03	
50)	Dimethylphthalate	1.589	1.553	1.485	1.482	1.430	1.409	1.428	1.482	4.57	
51)	2,6-Dinitrotol...	0.351	0.351	0.338	0.335	0.328	0.315	0.322	0.334	4.04	
52) C	Acenaphthene	1.345	1.275	1.183	1.162	1.109	1.066	1.058	1.171	9.16	
53)	3-Nitroaniline	0.388	0.398	0.384	0.377	0.374	0.362	0.357	0.377	3.80	
54) P	2,4-Dinitrophenol		0.143	0.155	0.167	0.167	0.182	0.182	0.166	9.16	
55)	Dibenzofuran	2.077	1.989	1.812	1.763	1.635	1.550	1.498	1.761	12.37	
56) P	4-Nitrophenol		0.250	0.274	0.275	0.274	0.265	0.275	0.269	3.66	
57)	2,4-Dinitrotol...	0.457	0.460	0.436	0.437	0.406	0.392	0.389	0.425	6.95	
58)	Fluorene	1.628	1.529	1.389	1.355	1.242	1.228	1.202	1.368	11.84	
59)	2,3,4,6-Tetrac...	0.409	0.414	0.412	0.388	0.364	0.381	0.370	0.391	5.29	
60)	Diethylphthalate	1.620	1.573	1.465	1.447	1.365	1.355	1.352	1.454	7.42	
61)	4-Chlorophenyl...	0.796	0.757	0.685	0.662	0.606	0.591	0.570	0.667	12.84	
62)	4-Nitroaniline	0.404	0.404	0.398	0.397	0.374	0.374	0.367	0.388	4.11	
63)	Azobenzene	1.526	1.488	1.396	1.362	1.300	1.260	1.249	1.369	7.93	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.096	0.106	0.108	0.129	0.108	0.109	0.109	9.72	
66) c	n-Nitrosodiphe...	0.681	0.647	0.604	0.594	0.681	0.554	0.535	0.614	9.49	
67)	4-Bromophenyl-...	0.246	0.235	0.219	0.212	0.213	0.204	0.197	0.218	7.99	
68)	Hexachlorobenzene	0.284	0.273	0.256	0.249	0.248	0.236	0.226	0.253	7.92	
69)	Atrazine	0.219	0.210	0.196	0.193	0.190	0.179	0.170	0.194	8.70	
70) C	Pentachlorophenol		0.126	0.129	0.134	0.137	0.134	0.132	0.132	3.06	
71)	Phenanthrene	1.174	1.094	1.009	0.967	0.950	0.901	0.858	0.993	11.09	
72)	Anthracene	1.191	1.127	1.023	0.986	0.960	0.906	0.869	1.009	11.48	
73)	Carbazole	1.121	1.060	0.979	0.938	0.926	0.871	0.843	0.963	10.36	
74)	Di-n-butylphth...	1.285	1.230	1.137	1.108	1.086	1.008	0.962	1.116	10.24	
75) C	Fluoranthene	1.304	1.220	1.114	1.078	1.058	1.141	0.945	1.123	10.34	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.872	0.827	0.774	0.716	0.734	0.672		0.766	9.68	
78)	Pyrene	1.524	1.465	1.420	1.402	1.409	1.321	1.161	1.386	8.43	
79) S	Terphenyl-d14	1.092	1.023	0.932	0.918	0.892	0.784	0.709	0.907	14.44	
80)	Butylbenzylphth...	0.630	0.603	0.616	0.608	0.617	0.596	0.606	0.611	1.83	
81)	Benzo(a)anthra...	1.299	1.238	1.170	1.129	1.132	1.033	1.014	1.145	8.97	
82)	3,3'-Dichlorob...	0.531	0.513	0.480	0.455	0.447	0.401	0.388	0.459	11.62	
83)	Chrysene	1.313	1.244	1.184	1.169	1.145	1.011	1.074	1.163	8.68	
84)	Bis(2-ethylhex...	0.813	0.796	0.765	0.752	0.741	0.692	0.682	0.749	6.53	
85) c	Di-n-octyl pht...	1.392	1.339	1.339	1.300	1.271	1.032	1.224	1.271	9.31	
86)	Indeno(1,2,3-c...	1.179	1.045	0.942	1.075	0.969	0.840	0.936	0.998	11.11	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.295	1.237	1.253	1.009	1.332	1.220	1.351	1.242	9.17
89)	Benzo(k)fluora...	1.247	1.230	1.156	0.993	1.002	1.016	0.994	1.091	10.63
90) C	Benzo(a)pyrene	1.188	1.151	1.096	1.071	1.072	1.043	1.088	1.101	4.58
91)	Dibenzo(a,h)an...	1.058	0.982	0.907	0.860	0.955	0.971	0.933	0.952	6.55
92)	Benzo(g,h,i)pe...	1.001	0.919	0.881	0.932	0.980	1.022	0.987	0.960	5.26

(#) = Out of Range