

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF022719.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 =BF112710.D 10 =BF112711.D 25 =BF112712.D 40 =BF112713.D 50 =BF112714.D 60 =BF112715.D 80 =BF112716.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.665	0.677	0.646	0.643	0.638	0.624	0.618	0.644	3.23
3)	Pyridine	1.553	1.807	1.809	1.716	1.733	1.748	1.703	1.724	4.99
4)	n-Nitrosodimet...	0.696	0.753	0.766	0.770	0.764	0.765	0.766	0.754	3.46
5) S	2-Fluorophenol	1.489	1.417	1.319	1.267	1.219	1.171	1.117	1.286	10.33
6)	Aniline	2.479	2.388	2.299	2.236	2.155	2.052	1.953	2.223	8.34
7) S	Phenol-d6	1.905	1.789	1.663	1.584	1.519	1.457	1.388	1.615	11.40
8)	2-Chlorophenol	1.621	1.571	1.475	1.419	1.372	1.319	1.241	1.431	9.45
9)	Benzaldehyde	1.317	1.279	1.218	1.154	1.110	1.063	1.005	1.164	9.81
10) C	Phenol	2.112	1.994	2.013	1.905	1.819	1.737	1.613	1.885	9.20
11)	bis(2-Chloroet...	1.647	1.570	1.463	1.433	1.389	1.337	1.288	1.447	8.76
12)	1,3-Dichlorobe...	1.686	1.610	1.522	1.454	1.419	1.361	1.298	1.479	9.28
13) C	1,4-Dichlorobe...	1.738	1.632	1.506	1.462	1.403	1.356	1.282	1.483	10.71
14)	1,2-Dichlorobe...	1.638	1.536	1.419	1.318	1.275	1.211	1.118	1.359	13.47
15)	Benzyl Alcohol	1.365	1.316	1.293	1.238	1.191	1.142	1.075	1.232	8.31
16)	2,2'-oxybis(1-...	2.667	2.579	2.486	2.394	2.350	2.261	2.162	2.414	7.33
17)	2-Methylphenol	1.270	1.234	1.180	1.142	1.131	1.107	1.064	1.161	6.21
18)	Hexachloroethane	0.627	0.606	0.577	0.565	0.551	0.533	0.517	0.568	6.90
19) P	n-Nitroso-di-n...	1.153	1.091	1.033	1.002	0.986	0.955	0.942	1.023	7.42
20)	3+4-Methylphenols		1.580	1.391	1.266	1.191	1.126		1.311	13.72
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone		0.549	0.505	0.468	0.438	0.430	0.416	0.468	10.89
23) S	Nitrobenzene-d5	0.330	0.348	0.346	0.338	0.332	0.327	0.319	0.334	3.12
24)	Nitrobenzene	0.379	0.388	0.390	0.375	0.369	0.358	0.345	0.372	4.36
25)	Isophorone	0.793	0.754	0.729	0.702	0.693	0.684	0.686	0.720	5.70
26) C	2-Nitrophenol	0.122	0.139	0.161	0.164	0.167	0.166	0.165	0.155	11.27
27)	2,4-Dimethylph...	0.321	0.309	0.298	0.282	0.277	0.271	0.259	0.288	7.65
28)	bis(2-Chloroet...	0.514	0.482	0.466	0.440	0.427	0.418	0.405	0.450	8.62
29) C	2,4-Dichloroph...	0.302	0.294	0.286	0.280	0.271	0.267	0.256	0.279	5.71
30)	1,2,4-Trichlor...	0.342	0.323	0.313	0.294	0.286	0.277	0.267	0.300	8.97
31)	Naphthalene	1.222	1.117	1.039	0.964	0.907	0.884	0.818	0.993	14.27
32)	Benzoic acid		0.153	0.190	0.203	0.216	0.220	0.231	0.202	13.83
33)	4-Chloroaniline	0.479	0.455	0.437	0.416	0.397	0.389	0.370	0.421	9.21
34) C	Hexachlorobuta...	0.188	0.180	0.177	0.167	0.162	0.158	0.152	0.169	7.68
35)	Caprolactam	0.098	0.096	0.101	0.099	0.100	0.098	0.097	0.098	1.65
36) C	4-Chloro-3-met...	0.335	0.328	0.323	0.308	0.296	0.290	0.283	0.309	6.50
37)	2-Methylnaphth...	0.774	0.706	0.667	0.627	0.596	0.576	0.542	0.641	12.54
38)	1-Methylnaphth...	0.742	0.692	0.654	0.604	0.579	0.554	0.524	0.621	12.61

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.683	0.664	0.612	0.578	0.533	0.525	0.487	0.583	12.62	
41) P	Hexachlorocycl...	0.337	0.339	0.337	0.326	0.307	0.305	0.286	0.319	6.37	
42) S	2,4,6-Tribromo...	0.228	0.230	0.223	0.216	0.203	0.201	0.186	0.212	7.73	
43) C	2,4,6-Trichlor...	0.398	0.423	0.421	0.409	0.396	0.391	0.372	0.401	4.48	
44)	2,4,5-Trichlor...	0.454	0.455	0.448	0.442	0.420	0.416	0.401	0.434	4.86	
45) S	2-Fluorobiphenyl	1.744	1.575	1.340	1.242	1.127	1.088		1.353	19.16	
46)	1,1'-Biphenyl		1.955	1.762	1.657	1.557	1.491	1.365	1.631	12.82	
47)	2-Chloronaphth...	1.498	1.429	1.323	1.250	1.186	1.158	1.071	1.274	11.97	
48)	2-Nitroaniline	0.303	0.369	0.407	0.415	0.406	0.410	0.401	0.387	10.36	
49)	Acenaphthylene	2.576	2.483	2.253	2.119	2.001	1.925	1.780	2.162	13.51	
50)	Dimethylphthalate	1.711	1.644	1.545	1.455	1.364	1.344	1.260	1.475	11.27	
51)	2,6-Dinitrotol...	0.243	0.307	0.328	0.327	0.318	0.315	0.312	0.307	9.56	
52) C	Acenaphthene	1.502	1.415	1.305	1.251	1.163	1.140	1.077	1.265	12.17	
53)	3-Nitroaniline	0.327	0.377	0.393	0.396	0.380	0.381	0.366	0.374	6.12	
54) P	2,4-Dinitrophenol		0.072	0.097	0.112	0.116	0.121	0.128	0.108	19.03	
55)	Dibenzofuran	2.224	2.120	1.918	1.788	1.681	1.628	1.507	1.838	14.31	
56) P	4-Nitrophenol	0.240	0.298	0.321	0.330	0.320	0.318	0.303	0.304	9.97	
57)	2,4-Dinitrotol...	0.263	0.365	0.411	0.412	0.409	0.414	0.398	0.382	14.38	
58)	Fluorene		1.593	1.370	1.271	1.167	1.121		1.304	14.39	
59)	2,3,4,6-Tetrac...	0.376	0.375	0.380	0.370	0.356	0.349	0.325	0.361	5.49	
60)	Diethylphthalate	1.814	1.712	1.620	1.526	1.465	1.431	1.334	1.558	10.79	
61)	4-Chlorophenyl...		0.730	0.637	0.593	0.545	0.530		0.607	13.31	
62)	4-Nitroaniline	0.312	0.343	0.350	0.356	0.353	0.355	0.352	0.346	4.46	
63)	Azobenzene	1.883	1.779	1.666	1.575	1.480	1.448	1.335	1.595	12.13	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.055	0.072	0.080	0.081	0.085	0.086	0.076	15.47	
66) c	n-Nitrosodiphe...	0.743	0.715	0.653	0.641	0.600	0.591	0.547	0.641	10.84	
67)	4-Bromophenyl-...	0.234	0.230	0.215	0.210	0.202	0.198	0.186	0.211	8.09	
68)	Hexachlorobenzene	0.267	0.256	0.246	0.236	0.227	0.220	0.210	0.237	8.50	
69)	Atrazine	0.221	0.213	0.204	0.195	0.188	0.181	0.174	0.196	8.59	
70) C	Pentachlorophenol	0.133	0.140	0.145	0.147	0.141	0.138	0.134	0.140	3.67	
71)	Phenanthrene		1.186	1.079	1.011	0.943	0.920	0.832	0.995	12.62	
72)	Anthracene	1.275	1.190	1.090	1.027	0.950	0.914	0.845	1.042	14.78	
73)	Carbazole	1.253	1.163	1.048	0.994	0.930	0.908	0.816	1.016	14.94	
74)	Di-n-butylphth...	1.483	1.391	1.282	1.189	1.123	1.073	0.988	1.218	14.53	
75) C	Fluoranthene		1.276	1.153	1.088	1.011	0.976	0.893	1.066	12.79	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.975	1.028	1.069	1.061	1.064	1.040	1.027	1.038	3.14	
78)	Pyrene	1.636	1.615	1.659	1.700	1.710	1.734	1.750	1.686	3.01	
79) S	Terphenyl-d14	1.158	1.080	1.028	1.012	0.978	0.990	0.976	1.032	6.42	
80)	Butylbenzylphth...	0.646	0.666	0.745	0.767	0.784	0.797	0.804	0.744	8.51	
81)	Benzo(a)anthra...	1.444	1.385	1.390	1.402	1.384	1.357	1.341	1.386	2.38	
82)	3,3'-Dichlorob...	0.511	0.513	0.543	0.545	0.536	0.523	0.499	0.524	3.35	
83)	Chrysene	1.448	1.353	1.344	1.357	1.338	1.324	1.340	1.358	3.04	
84)	Bis(2-ethylhex...	0.897	0.835	0.886	0.878	0.899	0.858	0.857	0.873	2.71	
85) c	Di-n-octyl pht...	1.524	1.384	1.516	1.506	1.545	1.523	1.495	1.499	3.53	
86)	Indeno(1,2,3-c...	1.310	1.082	1.053	1.088	1.091	1.203	1.276	1.158	9.00	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.345	1.325	1.320	1.383	1.269	1.251	1.162	1.294	5.66
89)	Benzo(k)fluora...	1.306	1.297	1.202	1.105	1.123	1.097	1.072	1.172	8.32
90) C	Benzo(a)pyrene	1.229	1.206	1.163	1.154	1.108	1.095	1.054	1.144	5.46
91)	Dibenzo(a,h)an...	1.125	0.970	0.914	0.941	0.927	0.970	0.988	0.976	7.21
92)	Benzo(g,h,i)pe...	1.084	0.943	0.878	0.951	0.934	1.007	1.067	0.980	7.66

(#) = Out of Range