

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP060420.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 =BP002360.D 20 =BP002361.D 40 =BP002362.D 50 =BP002363.D 60 =BP002364.D 80 =BP002365.D 100 =BP002366.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.515	0.563	0.483	0.427	0.464	0.450	0.436	0.477	10.13
3)	Pyridine	1.461	1.651	1.423	1.271	1.377	1.364	1.345	1.413	8.54
4)	n-Nitrosodimet...	0.555	0.605	0.525	0.476	0.528	0.521	0.511	0.532	7.53
5) S	2-Fluorophenol	1.140	1.289	1.094	0.987	1.023	0.976	0.939	1.064	11.39
6)	Aniline	2.051	2.306	2.016	1.781	1.879	1.829	1.767	1.947	9.90
7) S	Phenol-d6	1.535	1.731	1.469	1.315	1.381	1.315	1.258	1.429	11.48
8)	2-Chlorophenol	1.283	1.450	1.270	1.146	1.164	1.110	1.065	1.213	10.85
9)	Benzaldehyde	0.980	0.891	0.750	0.637	0.646	0.557	0.475	0.705	25.61
10) C	Phenol	1.634	1.843	1.594	1.424	1.509	1.447	1.380	1.547	10.28
11)	bis(2-Chloroet...	1.382	1.525	1.323	1.182	1.259	1.197	1.162	1.290	10.12
12)	1,3-Dichlorobe...	1.471	1.674	1.446	1.316	1.333	1.280	1.206	1.389	11.19
13) C	1,4-Dichlorobe...	1.480	1.674	1.450	1.316	1.337	1.304	1.228	1.398	10.68
14)	1,2-Dichlorobe...	1.461	1.642	1.415	1.266	1.279	1.219	1.155	1.348	12.43
15)	Benzyl Alcohol	1.101	1.275	1.129	1.018	1.103	1.073	1.030	1.104	7.72
16)	2,2'-oxybis(1-...	1.953	2.131	1.821	1.621	1.770	1.706	1.626	1.804	10.26
17)	2-Methylphenol	1.190	1.343	1.181	1.056	1.106	1.061	1.014	1.136	9.89
18)	Hexachloroethane	0.529	0.598	0.520	0.470	0.491	0.478	0.457	0.506	9.50
19) P	n-Nitroso-di-n...	1.047	1.154	0.993	0.871	0.922	0.878	0.831	0.957	11.97
20)	3+4-Methylphenols	1.604	1.850	1.614	1.437	1.502	1.434	1.361	1.543	10.61
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.487	0.547	0.458	0.416	0.424	0.406	0.383	0.446	12.60
23) S	Nitrobenzene-d5	0.344	0.386	0.332	0.308	0.329	0.316	0.303	0.331	8.48
24)	Nitrobenzene	0.365	0.412	0.352	0.329	0.352	0.342	0.327	0.354	8.16
25)	Isophorone	0.721	0.802	0.693	0.630	0.670	0.647	0.622	0.683	9.20
26) C	2-Nitrophenol	0.151	0.188	0.172	0.161	0.164	0.160	0.156	0.164	7.42
27)	2,4-Dimethylph...	0.265	0.299	0.264	0.241	0.248	0.238	0.228	0.255	9.38
28)	bis(2-Chloroet...	0.430	0.478	0.411	0.377	0.395	0.379	0.359	0.404	9.93
29) C	2,4-Dichloroph...	0.285	0.337	0.306	0.283	0.277	0.270	0.257	0.288	9.11
30)	1,2,4-Trichlor...	0.326	0.385	0.344	0.318	0.302	0.296	0.282	0.322	10.71
31)	Naphthalene	1.004	1.113	0.959	0.881	0.891	0.850	0.804	0.929	11.30
32)	Benzoic acid	0.098	0.167	0.217	0.203	0.216	0.223	0.217	0.192	23.71
33)	4-Chloroaniline	0.423	0.487	0.426	0.392	0.401	0.387	0.367	0.412	9.47
34) C	Hexachlorobuta...	0.192	0.234	0.211	0.197	0.175	0.172	0.165	0.192	12.68
35)	Caprolactam	0.098	0.119	0.105	0.096	0.100	0.099	0.096	0.102	8.13
36) C	4-Chloro-3-met...	0.319	0.366	0.315	0.290	0.298	0.294	0.282	0.309	9.14
37)	2-Methylnaphth...	0.709	0.823	0.690	0.638	0.632	0.605	0.570	0.667	12.52
38)	1-Methylnaphth...	0.676	0.781	0.652	0.598	0.596	0.568	0.533	0.629	13.11

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.548	0.673	0.567	0.542	0.508	0.486	0.461	0.541	12.78	
41) P	Hexachlorocycl...	0.239	0.332	0.306	0.302	0.280	0.273	0.264	0.285	10.73	
42) S	2,4,6-Tribromo...	0.210	0.282	0.256	0.237	0.182	0.170		0.223	19.52	
43) C	2,4,6-Trichlor...	0.374	0.455	0.398	0.376	0.370	0.359	0.345	0.382	9.39	
44)	2,4,5-Trichlor...	0.430	0.523	0.462	0.433	0.424	0.413	0.392	0.440	9.65	
45) S	2-Fluorobiphenyl	1.317	1.477	1.193	1.094	1.061	0.968	0.890	1.143	17.80	
46)	1,1'-Biphenyl	1.426	1.581	1.328	1.222	1.239	1.171	1.102	1.296	12.63	
47)	2-Chloronaphth...	1.156	1.313	1.100	1.019	1.026	0.967	0.906	1.070	12.63	
48)	2-Nitroaniline	0.320	0.371	0.326	0.303	0.345	0.340	0.327	0.333	6.43	
49)	Acenaphthylene	1.832	2.052	1.735	1.600	1.627	1.559	1.457	1.695	11.72	
50)	Dimethylphthalate	1.464	1.651	1.398	1.286	1.296	1.241	1.175	1.359	11.82	
51)	2,6-Dinitrotol...	0.291	0.352	0.311	0.285	0.293	0.286	0.275	0.299	8.59	
52) C	Acenaphthene	1.102	1.223	1.021	0.943	0.956	0.901	0.843	0.998	12.93	
53)	3-Nitroaniline	0.328	0.392	0.346	0.318	0.335	0.329	0.315	0.337	7.75	
54) P	2,4-Dinitrophenol	0.116	0.171	0.175	0.168	0.171	0.175	0.174	0.164	13.10	
55)	Dibenzofuran	1.784	1.992	1.666	1.533	1.527	1.443	1.325	1.610	13.92	
56) P	4-Nitrophenol	0.248	0.303	0.277	0.253	0.268	0.266	0.258	0.268	6.96	
57)	2,4-Dinitrotol...	0.385	0.477	0.425	0.394	0.398	0.390	0.376	0.406	8.48	
58)	Fluorene	1.409	1.550	1.228	1.101	1.064	0.969		1.220	18.18	
59)	2,3,4,6-Tetrac...	0.349	0.436	0.391	0.362	0.334	0.320	0.300	0.356	12.91	
60)	Diethylphthalate	1.479	1.634	1.380	1.248	1.277	1.222	1.159	1.343	12.39	
61)	4-Chlorophenyl...	0.735	0.829	0.675	0.612	0.557	0.508		0.653	18.15	
62)	4-Nitroaniline	0.324	0.384	0.333	0.303	0.313	0.307	0.292	0.322	9.47	
63)	Azobenzene	1.485	1.553	1.283	1.181	1.299	1.223	1.146	1.310	11.73	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.089	0.118	0.114	0.110	0.110	0.109	0.105	0.108	8.74	
66) c	n-Nitrosodipe...	0.570	0.624	0.524	0.489	0.500	0.464	0.426	0.514	12.88	
67)	4-Bromophenyl-...	0.206	0.247	0.217	0.203	0.188	0.179	0.166	0.201	13.20	
68)	Hexachlorobenzene	0.221	0.269	0.237	0.224	0.195	0.186	0.174	0.215	15.15	
69)	Atrazine	0.187	0.197	0.178	0.164	0.158	0.142	0.125	0.164	15.37	
70) C	Pentachlorophenol	0.107	0.147	0.142	0.134	0.122	0.119	0.113	0.126	11.92	
71)	Phenanthrene	1.058	1.160	0.958	0.885	0.891	0.836	0.764	0.936	14.43	
72)	Anthracene	1.046	1.145	0.956	0.892	0.894	0.826	0.760	0.931	14.05	
73)	Carbazole	1.012	1.114	0.919	0.849	0.874	0.813	0.749	0.904	13.71	
74)	Di-n-butylphth...	1.172	1.274	1.068	0.989	1.035	0.963	0.884	1.055	12.48	
75) C	Fluoranthene	1.233	1.398	1.177	1.073	1.053	0.982	0.903	1.117	14.89	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.454	0.529	0.441	0.384	0.439	0.316	0.381	0.421	16.10	
78)	Pyrene	1.294	1.396	1.211	1.129	1.230	1.175	1.128	1.223	7.84	
79) S	Terphenyl-d14	0.947	1.036	0.823	0.753	0.732	0.659	0.620	0.796	18.97	
80)	Butylbenzylphth...	0.532	0.562	0.499	0.467	0.552	0.537	0.521	0.524	6.16	
81)	Benzo(a)anthra...	1.220	1.353	1.154	1.064	1.103	1.035	1.004	1.133	10.72	
82)	3,3'-Dichlorob...	0.425	0.497	0.451	0.411	0.424	0.378	0.369	0.422	10.27	
83)	Chrysene	1.183	1.312	1.099	1.013	1.031	0.964	0.922	1.075	12.58	
84)	Bis(2-ethylhex...	0.819	0.839	0.715	0.657	0.760	0.714	0.676	0.740	9.32	
85) c	Di-n-octyl pht...	1.385	1.440	1.245	1.148	1.337	1.267	1.221	1.292	7.82	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.278	1.506	1.313	1.196	1.197	1.159	1.105	1.251	10.58	
88)	Benzo(b)fluora...	1.122	1.298	1.112	1.002	1.039	0.992	0.976	1.077	10.49	
89)	Benzo(k)fluora...	1.113	1.240	1.057	0.963	0.985	0.928	0.827	1.016	13.23	
90) C	Benzo(a)pyrene	1.040	1.200	1.040	0.946	0.980	0.943	0.886	1.005	10.15	
91)	Dibenzo(a,h)an...	1.054	1.248	1.071	0.974	0.960	0.912	0.852	1.010	12.83	
92)	Benzo(g,h,i)pe...	1.032	1.223	1.085	0.986	1.007	0.982	0.947	1.037	8.94	

(#) = Out of Range