

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP091624.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Sep 16 17:00:19 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BP021928.D 5 =BP021929.D 10 =BP021930.D 20 =BP021931.D 40 =BP021932.D 50 =BP021933.D 60 =BP021934.D 80 =BP021935.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.477	0.450	0.429	0.615	0.431				0.481	16.17
3)	Pyridine	1.148	1.168	1.171	1.248	0.849				1.117	13.82
4)	n-Nitrosodimet...	0.717	0.716	0.637	0.681	0.442	0.866	0.624	0.669		19.11
5) S	2-Fluorophenol	1.061	1.041	1.040	1.058	1.043	1.474	1.040	1.108		14.57
6)	Aniline	1.203	1.199	1.221	1.246	1.259	1.276	1.187	1.227		2.74
7) S	Phenol-d6	1.363	1.344	1.362	1.390	1.190	1.439	1.418	1.358		5.99
8)	2-Chlorophenol	1.186	1.169	1.147	1.161	1.117	1.166	1.140	1.155		1.96
9)	Benzaldehyde	0.768	0.834	0.841	0.771	0.626	0.684	0.544	0.724		15.27
10) C	Phenol	1.378	1.333	1.369	1.385	1.178	1.413	1.409	1.352		6.02
11)	bis(2-Chloroet...	1.083	1.053	1.097	1.106	1.105	1.085	1.061	1.084		1.93
12)	1,3-Dichlorobe...	1.520	1.471	1.439	1.450	1.387	1.434	1.358	1.437		3.71
13) C	1,4-Dichlorobe...	1.513	1.494	1.476	1.455	1.408	1.442	1.394	1.455		2.98
14)	1,2-Dichlorobe...	1.458	1.454	1.396	1.391	1.334	1.374	1.337	1.392		3.59
15)	Benzyl Alcohol	0.990	1.014	1.038	1.026	1.003	1.118	1.107	1.042		4.86
16)	2,2'-oxybis(1-...	1.137	1.105	1.206	1.268	1.357	1.192	1.138	1.200		7.32
17)	2-Methylphenol	0.919	0.915	0.939	0.962	0.934	0.977	0.964	0.944		2.52
18)	Hexachloroethane	0.544	0.552	0.530	0.557	0.500	0.544	0.518	0.535		3.79
19) P	n-Nitroso-di-n...	0.813	0.917	0.896	0.935	0.944	0.904	0.955	0.939	0.913	4.95
20)	3+4-Methylphenols	1.225	1.277	1.321	1.357	1.326	1.389	1.371	1.324		4.30
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.499	0.504	0.498	0.359	0.468	0.497	0.468	0.470		10.88
23) S	Nitrobenzene-d5	0.385	0.379	0.380	0.281	0.362	0.393	0.372	0.365		10.48
24)	Nitrobenzene	0.408	0.390	0.390	0.292	0.375	0.404	0.381	0.377		10.44
25)	Isophorone	0.602	0.610	0.638	0.486	0.441	0.666	0.637	0.583		14.62
26) C	2-Nitrophenol	0.137	0.144	0.155	0.122	0.139	0.175	0.170	0.149		12.74
27)	2,4-Dimethylph...	0.185	0.189	0.197	0.153	0.168	0.204	0.196	0.185		9.81
28)	bis(2-Chloroet...	0.373	0.372	0.398	0.397	0.396	0.394	0.371	0.386		3.36
29) C	2,4-Dichloroph...	0.292	0.303	0.321	0.321	0.320	0.333	0.321	0.316		4.42
30)	1,2,4-Trichlor...	0.412	0.388	0.385	0.384	0.377	0.383	0.364	0.385		3.72
31)	Naphthalene	1.046	1.011	1.019	1.002	0.964	1.005	0.953	1.000		3.22
32)	Benzoic acid	0.171	0.188	0.192	0.165	0.215	0.237	0.244	0.202		15.35
33)	4-Chloroaniline	0.354	0.367	0.374	0.372	0.367	0.380	0.361	0.368		2.39
34) C	Hexachlorobuta...	0.296	0.283	0.266	0.253	0.243	0.270	0.251	0.266		7.11
35)	Caprolactam	0.083	0.090	0.095	0.101	0.101	0.102	0.101	0.096		7.49
36) C	4-Chloro-3-met...	0.320	0.339	0.352	0.338	0.336	0.366	0.351	0.343		4.32
37)	2-Methylnaphth...	0.751	0.742	0.739	0.718	0.703	0.739	0.698	0.727		2.86
38)	1-Methylnaphth...	0.744	0.737	0.731	0.715	0.701	0.727	0.690	0.721		2.71

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP091624.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.631	0.578	0.600	0.590	0.586	0.619	0.599	0.600	3.08	
41) P	Hexachlorocycl...	0.205	0.211	0.206	0.199	0.203	0.228	0.212	0.209	4.51	
42) S	2,4,6-Tribromo...	0.279	0.287	0.269	0.254	0.191	0.279	0.279	0.263	12.76	
43) C	2,4,6-Trichlor...	0.363	0.350	0.375	0.390	0.394	0.412	0.400	0.384	5.69	
44)	2,4,5-Trichlor...	0.432	0.416	0.433	0.439	0.449	0.466	0.446	0.440	3.50	
45) S	2-Fluorobiphenyl	1.429	1.313	1.323	1.268	1.248	1.337	1.269	1.312	4.65	
46)	1,1'-Biphenyl	1.469	1.353	1.386	1.339	1.332	1.359	1.305	1.363	3.88	
47)	2-Chloronaphth...	1.159	1.090	1.091	1.081	1.071	1.107	1.062	1.094	2.92	
48)	2-Nitroaniline	0.253	0.276	0.301	0.309	0.305	0.334	0.327	0.301	9.31	
49)	Acenaphthylene	1.574	1.538	1.593	1.566	1.537	1.610	1.553	1.567	1.76	
50)	Dimethylphthalate	1.539	1.448	1.451	1.392	1.381	1.440	1.373	1.432	4.01	
51)	2,6-Dinitrotol...	0.299	0.302	0.318	0.319	0.321	0.331	0.318	0.315	3.51	
52) C	Acenaphthene	1.054	1.028	1.031	1.002	0.993	1.057	0.980	1.021	2.94	
53)	3-Nitroaniline	0.257	0.268	0.283	0.302	0.303	0.312	0.297	0.289	7.04	
54) P	2,4-Dinitrophenol	0.129	0.146	0.157	0.164	0.170	0.185	0.195	0.164	13.73	
55)	Dibenzofuran	1.818	1.739	1.735	1.674	1.135	1.683	1.629	1.631	13.90	
56) P	4-Nitrophenol	0.213	0.230	0.258	0.268	0.265	0.268	0.263	0.252	8.62	
57)	2,4-Dinitrotol...	0.414	0.426	0.452	0.444	0.327	0.469	0.452	0.426	11.07	
58)	Fluorene	1.495	1.470	1.421	1.365	0.883	1.398	1.315	1.335	15.61	
59)	2,3,4,6-Tetrac...	0.395	0.388	0.390	0.391	0.259	0.409	0.390	0.375	13.73	
60)	Diethylphthalate	1.587	1.554	1.503	1.393	0.978	1.484	1.399	1.414	14.54	
61)	4-Chlorophenyl...	0.820	0.803	0.747	0.725	0.472	0.738	0.707	0.716	16.07	
62)	4-Nitroaniline	0.295	0.320	0.320	0.322	0.218	0.336	0.322	0.305	13.21	
63)	Azobenzene	1.294	1.350	1.328	1.273	0.855	1.305	1.236	1.234	13.90	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.095	0.097	0.102	0.106	0.103	0.117	0.120	0.106	9.06	
66) c	n-Nitrosodiphe...	0.523	0.525	0.533	0.506	0.469	0.522	0.504	0.512	4.22	
67)	4-Bromophenyl-...	0.204	0.207	0.209	0.199	0.198	0.208	0.204	0.204	2.18	
68)	Hexachlorobenzene	0.252	0.247	0.243	0.232	0.236	0.247	0.242	0.243	2.81	
69)	Atrazine	0.199	0.200	0.198	0.185	0.182	0.179	0.169	0.187	6.43	
70) C	Pentachlorophenol	0.149	0.152	0.164	0.160	0.169	0.176	0.174	0.163	6.35	
71)	Phenanthrene	1.046	0.984	1.004	0.974	0.944	0.976	0.950	0.983	3.53	
72)	Anthracene	0.958	0.952	0.974	0.941	0.924	0.949	0.912	0.944	2.22	
73)	Carbazole	0.959	0.939	0.984	0.939	0.926	0.912	0.890	0.936	3.27	
74)	Di-n-butylphth...	1.052	1.070	1.119	1.073	1.140	1.120	1.071	1.092	3.04	
75) C	Fluoranthene	1.318	1.291	1.322	1.290	1.289	1.248	1.223	1.283	2.81	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.292	0.378	0.255	0.228	0.302		0.291		19.56	
78)	Pyrene	1.207	1.267	1.258	1.312	1.266	1.316	1.322	1.278	3.24	
79) S	Terphenyl-d14	1.005	1.059	0.986	0.983	0.983	1.048	1.024	1.013	3.13	
80)	Butylbenzylpht...	0.421	0.454	0.480	0.482	0.506	0.525	0.514	0.483	7.56	
81)	Benzo(a)anthra...	1.291	1.293	1.315	1.276	1.266	1.299	1.279	1.288	1.26	
82)	3,3'-Dichlorob...	0.406	0.416	0.442	0.441	0.447	0.441	0.413	0.429	3.94	
83)	Chrysene	1.292	1.231	1.247	1.221	1.195	1.233	1.203	1.232	2.62	
84)	Bis(2-ethylhex...	0.622	0.672	0.719	0.711	0.744	0.746	0.718	0.705	6.24	
85) c	Di-n-octyl pht...	0.973	1.027	1.169	1.172	1.277	1.272	1.254	1.163	10.40	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP091624.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.348	1.290	1.265	1.258	1.236	1.306	1.282	1.284	2.83
88)	Benzo(b)fluora...	1.138	1.126	0.935	1.179	1.201	1.223	1.197	1.143	8.56
89)	Benzo(k)fluora...	1.138	1.105	0.865	1.138	1.119	1.131	1.099	1.085	9.06
90) C	Benzo(a)pyrene	0.988	0.973	1.020	1.017	1.032	1.050	1.033	1.016	2.64
91)	Dibenzo(a,h)an...	1.130	1.081	1.060	1.031	1.017	1.076	1.047	1.063	3.52
92)	Benzo(g,h,i)pe...	1.135	1.121	1.090	1.090	1.077	1.129	1.097	1.106	2.04

(#) = Out of Range