

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP091924.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Sep 20 01:22:00 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BP021948.D 5 =BP021949.D 10 =BP021950.D 20 =BP021951.D 40 =BP021952.D 50 =BP021953.D 60 =BP021954.D 80 =BP021955.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.504	0.451	0.441	0.432	0.427	0.435	0.403	0.442	7.05	
3)	Pyridine	1.259	1.202	1.162	1.165	1.131	1.177	1.154	1.179	3.50	
4)	n-Nitrosodimet...	0.695	0.631	0.625	0.605	0.591	0.617	0.589	0.622	5.78	
5) S	2-Fluorophenol	1.087	1.063	1.107	1.059	1.021	1.063	1.048	1.064	2.56	
6)	Aniline	1.243	1.213	1.205	1.207	1.185	1.209	1.236	1.214	1.64	
7) S	Phenol-d6	1.346	1.337	1.392	1.363	1.346	1.411	1.476	1.382	3.61	
8)	2-Chlorophenol	1.152	1.118	1.177	1.139	1.104	1.149	1.126	1.138	2.13	
9)	Benzaldehyde	0.826	0.837	0.819	0.736	0.667	0.625	0.546	0.722	15.68	
10) C	Phenol	1.415	1.316	1.354	1.350	1.345	1.377	1.448	1.372	3.30	
11)	bis(2-Chloroet...	1.031	1.022	1.051	1.012	1.006	1.041	1.072	1.034	2.23	
12)	1,3-Dichlorobe...	1.527	1.463	1.474	1.420	1.379	1.410	1.384	1.437	3.76	
13) C	1,4-Dichlorobe...	1.547	1.472	1.487	1.446	1.396	1.440	1.411	1.457	3.48	
14)	1,2-Dichlorobe...	1.514	1.401	1.421	1.394	1.326	1.383	1.351	1.398	4.31	
15)	Benzyl Alcohol	0.991	1.029	1.041	1.061	1.089	1.119	1.087	1.060	4.07	
16)	2,2'-oxybis(1-...	1.175	1.097	1.127	1.092	1.075	1.090	1.060	1.102	3.48	
17)	2-Methylphenol	0.840	0.918	0.940	0.949	0.932	0.966	0.945	0.927	4.41	
18)	Hexachloroethane	0.564	0.529	0.542	0.537	0.515	0.542	0.522	0.536	3.02	
19) P	n-Nitroso-di-n...	0.727	0.861	0.867	0.863	0.878	0.878	0.914	0.882	0.859	6.50
20)	3+4-Methylphenols	1.247	1.279	1.291	1.321	1.326	1.375	1.321	1.309	3.12	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.523	0.484	0.498	0.468	0.482	0.490	0.470	0.488	3.80	
23) S	Nitrobenzene-d5	0.385	0.370	0.385	0.370	0.379	0.387	0.370	0.378	2.10	
24)	Nitrobenzene	0.397	0.378	0.397	0.378	0.380	0.387	0.372	0.384	2.60	
25)	Isophorone	0.606	0.610	0.616	0.618	0.634	0.654	0.624	0.623	2.60	
26) C	2-Nitrophenol	0.154	0.154	0.169	0.168	0.175	0.180	0.176	0.168	6.21	
27)	2,4-Dimethylph...	0.194	0.186	0.195	0.193	0.196	0.202	0.195	0.194	2.49	
28)	bis(2-Chloroet...	0.393	0.369	0.377	0.368	0.372	0.377	0.360	0.374	2.82	
29) C	2,4-Dichloroph...	0.312	0.318	0.331	0.335	0.332	0.348	0.334	0.330	3.54	
30)	1,2,4-Trichlor...	0.431	0.417	0.416	0.402	0.402	0.415	0.394	0.411	3.01	
31)	Naphthalene	1.060	1.004	1.007	0.974	0.977	0.994	0.969	0.998	3.12	
32)	Benzoic acid	0.184	0.202	0.218	0.235	0.250	0.259	0.244	0.227	11.95	
33)	4-Chloroaniline	0.355	0.353	0.363	0.363	0.364	0.368	0.353	0.360	1.71	
34) C	Hexachlorobuta...	0.355	0.329	0.316	0.310	0.311	0.319	0.310	0.321	5.04	
35)	Caprolactam	0.094	0.096	0.093	0.099	0.102	0.103	0.099	0.098	4.07	
36) C	4-Chloro-3-met...	0.333	0.337	0.345	0.354	0.372	0.377	0.360	0.354	4.79	
37)	2-Methylnaphth...	0.739	0.739	0.716	0.712	0.742	0.745	0.717	0.730	1.96	
38)	1-Methylnaphth...	0.733	0.728	0.709	0.704	0.729	0.738	0.705	0.721	2.02	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP091924.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.735	0.695	0.709	0.689	0.683	0.707	0.682	0.700	2.67	
41) P	Hexachlorocycl...	0.259	0.252	0.263	0.254	0.257	0.275	0.260	0.260	2.85	
42) S	2,4,6-Tribromo...	0.357	0.367	0.350	0.361	0.378	0.398	0.386	0.371	4.66	
43) C	2,4,6-Trichlor...	0.420	0.418	0.419	0.432	0.439	0.448	0.430	0.429	2.63	
44)	2,4,5-Trichlor...	0.465	0.468	0.479	0.479	0.496	0.504	0.482	0.482	2.91	
45) S	2-Fluorobiphenyl	1.479	1.395	1.368	1.328	1.329	1.365	1.326	1.370	3.98	
46)	1,1'-Biphenyl	1.434	1.392	1.390	1.321	1.328	1.366	1.315	1.364	3.27	
47)	2-Chloronaphth...	1.144	1.123	1.109	1.077	1.077	1.114	1.073	1.103	2.48	
48)	2-Nitroaniline	0.263	0.281	0.300	0.316	0.315	0.325	0.308	0.301	7.28	
49)	Acenaphthylene	1.518	1.548	1.567	1.558	1.569	1.589	1.543	1.556	1.45	
50)	Dimethylphthalate	1.500	1.483	1.430	1.433	1.434	1.466	1.409	1.451	2.26	
51)	2,6-Dinitrotol...	0.309	0.320	0.326	0.326	0.327	0.337	0.318	0.323	2.70	
52) C	Acenaphthene	1.054	1.003	1.019	0.994	1.008	1.017	0.994	1.013	2.05	
53)	3-Nitroaniline	0.262	0.280	0.282	0.300	0.301	0.301	0.291	0.288	5.03	
54) P	2,4-Dinitrophenol	0.161	0.168	0.173	0.194	0.203	0.214	0.214	0.189	11.69	
55)	Dibenzofuran	1.779	1.750	1.712	1.666	1.660	1.705	1.643	1.702	2.93	
56) P	4-Nitrophenol	0.213	0.232	0.254	0.267	0.268	0.269	0.253	0.251	8.51	
57)	2,4-Dinitrotol...	0.421	0.441	0.444	0.468	0.473	0.487	0.465	0.457	4.94	
58)	Fluorene	1.461	1.447	1.413	1.394	1.388	1.437	1.410	1.421	1.94	
59)	2,3,4,6-Tetrac...	0.452	0.470	0.458	0.458	0.469	0.489	0.460	0.465	2.69	
60)	Diethylphthalate	1.488	1.502	1.445	1.434	1.461	1.536	1.453	1.474	2.47	
61)	4-Chlorophenyl...	0.847	0.844	0.818	0.795	0.804	0.851	0.833	0.828	2.69	
62)	4-Nitroaniline	0.285	0.306	0.316	0.329	0.328	0.334	0.319	0.317	5.38	
63)	Azobenzene	1.205	1.250	1.243	1.205	1.213	1.231	1.192	1.220	1.79	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.095	0.106	0.114	0.119	0.121	0.128	0.129	0.116	10.66	
66) c	n-Nitrosodiphe...	0.500	0.498	0.507	0.500	0.488	0.503	0.490	0.498	1.35	
67)	4-Bromophenyl-...	0.237	0.229	0.234	0.228	0.229	0.239	0.236	0.233	2.01	
68)	Hexachlorobenzene	0.297	0.286	0.293	0.285	0.283	0.299	0.293	0.291	2.23	
69)	Atrazine	0.207	0.205	0.202	0.160	0.166	0.163	0.145	0.178	14.26	
70) C	Pentachlorophenol	0.176	0.185	0.192	0.198	0.201	0.212	0.206	0.196	6.40	
71)	Phenanthrene	0.993	0.962	0.975	0.946	0.942	0.968	0.935	0.960	2.16	
72)	Anthracene	0.939	0.919	0.944	0.926	0.916	0.954	0.907	0.929	1.83	
73)	Carbazole	0.905	0.903	0.912	0.914	0.878	0.903	0.868	0.898	1.95	
74)	Di-n-butylphth...	1.039	1.038	1.021	1.029	1.044	1.118	1.091	1.054	3.41	
75) C	Fluoranthene	1.356	1.367	1.325	1.339	1.304	1.364	1.327	1.340	1.74	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.294	0.295	0.188	0.404	0.201	0.208	0.121	0.244	38.07	
78)	Pyrene	1.166	1.166	1.192	1.215	1.237	1.262	1.231	1.210	3.05	
79) S	Terphenyl-d14	1.048	1.039	1.024	1.063	1.057	1.118	1.103	1.065	3.19	
80)	Butylbenzylpht...	0.406	0.403	0.405	0.433	0.438	0.465	0.470	0.432	6.61	
81)	Benzo(a)anthra...	1.324	1.260	1.282	1.265	1.265	1.312	1.287	1.285	1.94	
82)	3,3'-Dichlorob...	0.464	0.469	0.476	0.498	0.454	0.459	0.444	0.466	3.69	
83)	Chrysene	1.252	1.183	1.212	1.186	1.186	1.218	1.232	1.210	2.18	
84)	Bis(2-ethylhex...	0.615	0.611	0.588	0.610	0.630	0.670	0.709	0.633	6.64	
85) c	Di-n-octyl pht...	1.085	1.005	0.994	1.046	1.055	1.152	1.194	1.076	6.89	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP091924.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.386	1.302	1.324	1.325	1.307	1.335	1.333	1.330	2.07
88)	Benzo(b)fluora...	1.156	1.150	1.170	1.200	1.190	1.202	1.211	1.183	2.04
89)	Benzo(k)fluora...	1.117	1.099	1.095	1.096	1.129	1.164	1.136	1.119	2.27
90) C	Benzo(a)pyrene	1.004	0.975	1.006	1.025	1.034	1.049	1.039	1.019	2.49
91)	Dibenzo(a,h)an...	1.153	1.103	1.085	1.081	1.058	1.101	1.104	1.098	2.65
92)	Benzo(g,h,i)pe...	1.154	1.090	1.108	1.133	1.115	1.147	1.125	1.125	1.98

(#) = Out of Range