

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP050420.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 =BP002225.D 20 =BP002226.D 40 =BP002227.D 50 =BP002228.D 60 =BP002229.D 80 =BP002230.D 100 =BP002231.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.672	0.550	0.516	0.504	0.513	0.487	0.432	0.525	14.14
3)	Pyridine	1.891	1.671	1.634	1.654	1.697	1.645	1.518	1.673	6.68
4)	n-Nitrosodimet...	0.711	0.614	0.602	0.610	0.626	0.598	0.550	0.616	7.83
5) S	2-Fluorophenol	1.483	1.246	1.203	1.190	1.216	1.128	1.022	1.212	11.59
6)	Aniline	2.862	2.508	2.398	2.417	2.474	2.306	2.078	2.435	9.70
7) S	Phenol-d6	2.156	1.872	1.777	1.766	1.788	1.632	1.477	1.781	11.77
8)	2-Chlorophenol	1.645	1.436	1.367	1.348	1.371	1.266	1.160	1.370	10.96
9)	Benzaldehyde	1.403	1.112	0.944	0.885	0.827			1.034	22.45
10) C	Phenol	2.231	1.957	1.857	1.867	1.894	1.754	1.579	1.877	10.57
11)	bis(2-Chloroet...	1.948	1.643	1.554	1.547	1.565	1.470	1.330	1.580	12.00
12)	1,3-Dichlorobe...	1.927	1.623	1.494	1.490	1.508	1.392	1.269	1.529	13.53
13) C	1,4-Dichlorobe...	1.950	1.630	1.532	1.506	1.521	1.409	1.279	1.547	13.53
14)	1,2-Dichlorobe...	1.913	1.634	1.507	1.469	1.502	1.337	1.228	1.513	14.51
15)	Benzyl Alcohol	1.492	1.370	1.348	1.361	1.400	1.297	1.197	1.352	6.71
16)	2,2'-oxybis(1-...	2.745	2.326	2.147	2.142	2.168	1.991	1.811	2.190	13.37
17)	2-Methylphenol	1.648	1.437	1.383	1.368	1.388	1.276	1.153	1.379	10.99
18)	Hexachloroethane	0.659	0.575	0.546	0.548	0.561	0.522	0.479	0.556	9.92
19) P	n-Nitroso-di-n...	1.544	1.335	1.240	1.236	1.228	1.100	1.004	1.241	13.84
20)	3+4-Methylphenols	2.248	1.997	1.887	1.899	1.939	1.761	1.599	1.904	10.54
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.639	0.547	0.516	0.504	0.513	0.465	0.432	0.517	12.71
23) S	Nitrobenzene-d5	0.411	0.384	0.390	0.389	0.402	0.381	0.354	0.387	4.60
24)	Nitrobenzene	0.451	0.411	0.407	0.410	0.425	0.404	0.379	0.413	5.31
25)	Isophorone	0.991	0.877	0.845	0.837	0.866	0.807	0.750	0.853	8.67
26) C	2-Nitrophenol	0.138	0.136	0.146	0.156	0.167	0.169	0.164	0.154	8.93
27)	2,4-Dimethylph...	0.338	0.303	0.297	0.294	0.305	0.290	0.270	0.299	6.84
28)	bis(2-Chloroet...	0.590	0.509	0.488	0.482	0.494	0.465	0.433	0.494	9.82
29) C	2,4-Dichloroph...	0.354	0.317	0.313	0.316	0.326	0.312	0.287	0.318	6.24
30)	1,2,4-Trichlor...	0.421	0.359	0.340	0.341	0.354	0.333	0.309	0.351	9.93
31)	Naphthalene	1.321	1.137	1.070	1.058	1.076	0.997	0.929	1.084	11.40
32)	Benzoic acid	0.131	0.160	0.183	0.193	0.218	0.219		0.184	18.64
33)	4-Chloroaniline	0.566	0.515	0.496	0.491	0.505	0.477	0.441	0.499	7.62
34) C	Hexachlorobuta...	0.240	0.205	0.198	0.193	0.201	0.190	0.177	0.200	9.68
35)	Caprolactam	0.121	0.120	0.122	0.122	0.131	0.123	0.116	0.122	3.50
36) C	4-Chloro-3-met...	0.417	0.374	0.372	0.368	0.381	0.358	0.332	0.371	6.88
37)	2-Methylnaphth...	0.935	0.812	0.773	0.766	0.774	0.716	0.663	0.777	10.92
38)	1-Methylnaphth...	0.898	0.777	0.736	0.722	0.742	0.678	0.624	0.740	11.58

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP050420.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.726	0.606	0.596	0.586	0.593	0.549	0.502	0.594	11.54	
41) P	Hexachlorocycl...	0.265	0.253	0.270	0.283	0.297	0.287	0.265	0.274	5.53	
42) S	2,4,6-Tribromo...	0.245	0.219	0.217	0.216	0.217	0.192	0.176	0.212	10.40	
43) C	2,4,6-Trichlor...	0.447	0.401	0.398	0.401	0.421	0.390	0.359	0.403	6.69	
44)	2,4,5-Trichlor...	0.531	0.479	0.479	0.473	0.487	0.460	0.416	0.475	7.19	
45) S	2-Fluorobiphenyl	1.753	1.480	1.342	1.291	1.274			1.428	13.91	
46)	1,1'-Biphenyl	1.987	1.652	1.576	1.530	1.552	1.399	1.275	1.567	14.23	
47)	2-Chloronaphth...	1.519	1.278	1.210	1.188	1.210	1.094	1.000	1.214	13.35	
48)	2-Nitroaniline	0.310	0.324	0.359	0.380	0.405	0.398	0.374	0.364	9.89	
49)	Acenaphthylene	2.366	2.053	1.985	1.947	1.986	1.788	1.648	1.968	11.40	
50)	Dimethylphthalate	1.905	1.642	1.583	1.564	1.571	1.444	1.327	1.576	11.35	
51)	2,6-Dinitrotol...	0.319	0.313	0.321	0.332	0.347	0.331	0.309	0.325	3.97	
52) C	Acenaphthene	1.507	1.292	1.241	1.219	1.247	1.141	1.043	1.242	11.53	
53)	3-Nitroaniline	0.379	0.374	0.387	0.397	0.415	0.393	0.368	0.388	4.16	
54) P	2,4-Dinitrophenol	0.108	0.110	0.126	0.132	0.146	0.154	0.152	0.133	14.30	
55)	Dibenzofuran	2.366	2.012	1.879	1.836	1.859	1.654	1.520	1.875	14.39	
56) P	4-Nitrophenol	0.291	0.287	0.307	0.312	0.332	0.319	0.303	0.307	5.08	
57)	2,4-Dinitrotol...	0.383	0.393	0.431	0.444	0.472	0.459	0.427	0.430	7.56	
58)	Fluorene	1.839	1.541	1.412	1.336	1.322			1.490	14.34	
59)	2,3,4,6-Tetrac...	0.422	0.388	0.386	0.378	0.390	0.346	0.316	0.375	9.13	
60)	Diethylphthalate	1.927	1.683	1.599	1.566	1.599	1.451	1.337	1.595	11.62	
61)	4-Chlorophenyl...	0.953	0.803	0.711	0.685	0.678			0.766	15.15	
62)	4-Nitroaniline	0.381	0.361	0.375	0.373	0.384	0.364	0.339	0.368	4.14	
63)	Azobenzene	2.077	1.785	1.680	1.626	1.648	1.500	1.374	1.670	13.34	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.074	0.071	0.076	0.083	0.089	0.093	0.091	0.083	10.94	
66) c	n-Nitrosodiphe...	0.733	0.630	0.580	0.582	0.579	0.520	0.470	0.585	14.23	
67)	4-Bromophenyl-...	0.263	0.222	0.209	0.213	0.212	0.194	0.182	0.213	11.96	
68)	Hexachlorobenzene	0.282	0.235	0.222	0.226	0.225	0.203	0.189	0.226	12.99	
69)	Atrazine	0.224	0.192	0.175	0.166	0.145	0.099		0.167	25.44	
70) C	Pentachlorophenol	0.150	0.136	0.133	0.143	0.140	0.129	0.119	0.136	7.48	
71)	Phenanthrene	1.406	1.170	1.088	1.082	1.064	0.939		1.125	13.92	
72)	Anthracene	1.357	1.168	1.073	1.072	1.059	0.921		1.108	13.10	
73)	Carbazole	1.344	1.148	1.088	1.078	1.054	0.938	0.845	1.071	14.76	
74)	Di-n-butylphth...	1.400	1.259	1.241	1.232	1.237	1.097	0.990	1.208	10.79	
75) C	Fluoranthene	1.617	1.391	1.302	1.306	1.276	1.120	1.020	1.290	14.81	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.487	0.387	0.466	0.498	0.665	0.790		0.549	27.20	
78)	Pyrene	1.601	1.399	1.372	1.342	1.354	1.248	1.193	1.359	9.54	
79) S	Terphenyl-d14		0.961	0.850	0.820	0.789	0.661		0.816	13.29	
80)	Butylbenzylphth...	0.369	0.367	0.419	0.452	0.486	0.504	0.486	0.440	12.84	
81)	Benzo(a)anthra...	1.591	1.366	1.302	1.287	1.292	1.167	1.077	1.297	12.46	
82)	3,3'-Dichlorob...	0.482	0.456	0.494	0.497	0.514	0.495	0.437	0.482	5.55	
83)	Chrysene	1.576	1.335	1.246	1.205	1.231	1.051		1.274	13.67	
84)	Bis(2-ethylhex...	0.730	0.703	0.760	0.780	0.833	0.786	0.754	0.764	5.45	
85) c	Di-n-octyl pht...	1.280	1.243	1.402	1.469	1.563	1.513	1.406	1.411	8.30	
86)	Indeno(1,2,3-c...	1.817	1.644	1.701	1.739	1.798	1.782	1.655	1.734	3.99	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
Method File : 8270-BP050420.M

87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.427	1.293	1.217	1.179	1.182	1.101	1.021	1.203	10.90
89)		Benzo(k)fluora...	1.474	1.300	1.213	1.203	1.182	1.020		1.232	12.14
90)	C	Benzo(a)pyrene	1.326	1.219	1.172	1.184	1.162	1.057	0.984	1.158	9.57
91)		Dibenzo(a,h)an...	1.382	1.251	1.224	1.221	1.166	1.048	0.940	1.176	12.25
92)		Benzo(g,h,i)pe...	1.337	1.244	1.248	1.264	1.266	1.226	1.115	1.243	5.36

(#) = Out of Range