

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP062920.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

5 =BP002569.D 10 =BP002563.D 20 =BP002564.D 40 =BP002565.D 50 =BP002566.D 60 =BP002567.D 80 =BP002568.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.550	0.515	0.542	0.490	0.501	0.472	0.474	0.506	6.14
3)	Pyridine	1.517	1.466	1.594	1.485	1.503	1.451	1.488	1.501	3.13
4)	n-Nitrosodimet...	0.621	0.637	0.684	0.632	0.640	0.617	0.628	0.637	3.46
5) S	2-Fluorophenol	1.243	1.210	1.281	1.155	1.169	1.109	1.102	1.181	5.66
6)	Aniline	2.126	2.068	2.226	2.044	2.061	1.963	2.009	2.071	4.11
7) S	Phenol-d6	1.700	1.698	1.798	1.623	1.617	1.540	1.565	1.649	5.41
8)	2-Chlorophenol	1.382	1.317	1.415	1.280	1.299	1.247	1.246	1.312	4.96
9)	Benzaldehyde	0.800	1.070	1.060	0.844	0.813	0.741	0.668	0.857	17.89
10) C	Phenol	1.712	1.684	1.793	1.626	1.651	1.570	1.602	1.663	4.51
11)	bis(2-Chloroet...	1.461	1.375	1.461	1.325	1.341	1.286	1.304	1.365	5.24
12)	1,3-Dichlorobe...	1.623	1.543	1.627	1.468	1.496	1.420	1.422	1.514	5.73
13) C	1,4-Dichlorobe...	1.662	1.603	1.653	1.476	1.510	1.438	1.456	1.543	6.14
14)	1,2-Dichlorobe...	1.586	1.539	1.599	1.426	1.475	1.386	1.383	1.485	6.15
15)	Benzyl Alcohol	1.139	1.214	1.335	1.250	1.257	1.216	1.261	1.239	4.81
16)	2,2'-oxybis(1-...	2.012	1.938	2.035	1.848	1.849	1.797	1.830	1.901	4.94
17)	2-Methylphenol	1.271	1.244	1.332	1.230	1.244	1.182	1.209	1.244	3.86
18)	Hexachloroethane	0.598	0.550	0.600	0.542	0.550	0.525	0.533	0.557	5.40
19) P	n-Nitroso-di-n...	1.124	1.139	1.195	1.062	1.056	0.989	1.007	1.082	6.86
20)	3+4-Methylphenols	1.657	1.673	1.824	1.683	1.678	1.591	1.640	1.678	4.27
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.510	0.513	0.554	0.493	0.509	0.480	0.484	0.506	4.92
23) S	Nitrobenzene-d5	0.382	0.374	0.412	0.382	0.400	0.379	0.388	0.388	3.48
24)	Nitrobenzene	0.401	0.399	0.437	0.402	0.423	0.401	0.413	0.411	3.54
25)	Isophorone	0.778	0.774	0.835	0.759	0.780	0.743	0.777	0.778	3.65
26) C	2-Nitrophenol	0.169	0.176	0.196	0.188	0.197	0.189	0.196	0.187	5.79
27)	2,4-Dimethylph...	0.270	0.281	0.303	0.278	0.294	0.276	0.285	0.284	3.99
28)	bis(2-Chloroet...	0.456	0.444	0.478	0.433	0.449	0.431	0.438	0.447	3.64
29) C	2,4-Dichloroph...	0.306	0.318	0.354	0.322	0.339	0.322	0.328	0.327	4.78
30)	1,2,4-Trichlor...	0.376	0.360	0.394	0.358	0.372	0.358	0.361	0.368	3.65
31)	Naphthalene	1.089	1.057	1.141	1.018	1.061	1.016	1.029	1.059	4.24
32)	Benzoic acid		0.105	0.133	0.203	0.229	0.223	0.250	0.190	30.47
33)	4-Chloroaniline	0.446	0.459	0.493	0.457	0.472	0.447	0.468	0.463	3.56
34) C	Hexachlorobuta...	0.221	0.225	0.240	0.219	0.232	0.219	0.223	0.225	3.53
35)	Caprolactam	0.102	0.108	0.116	0.108	0.113	0.109	0.114	0.110	4.30
36) C	4-Chloro-3-met...	0.353	0.358	0.376	0.353	0.367	0.344	0.359	0.359	2.96
37)	2-Methylnaphth...	0.790	0.781	0.828	0.749	0.777	0.734	0.745	0.772	4.20
38)	1-Methylnaphth...	0.755	0.749	0.782	0.704	0.725	0.682	0.692	0.727	5.04

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.619	0.592	0.668	0.603	0.655	0.613	0.621	0.625	4.37	
41) P	Hexachlorocycl...	0.136	0.186	0.258	0.294	0.318	0.319	0.328	0.263	28.43	
42) S	2,4,6-Tribromo...	0.239	0.247	0.271	0.235	0.251	0.232	0.227	0.243	6.08	
43) C	2,4,6-Trichlor...	0.378	0.397	0.440	0.424	0.452	0.429	0.440	0.423	6.22	
44)	2,4,5-Trichlor...	0.423	0.450	0.504	0.492	0.525	0.501	0.510	0.486	7.45	
45) S	2-Fluorobiphenyl	1.446	1.399	1.479	1.301	1.378	1.276	1.233	1.359	6.72	
46)	1,1'-Biphenyl	1.544	1.510	1.623	1.444	1.560	1.455	1.454	1.513	4.43	
47)	2-Chloronaphth...	1.257	1.213	1.325	1.184	1.261	1.193	1.187	1.231	4.24	
48)	2-Nitroaniline	0.340	0.363	0.408	0.394	0.422	0.406	0.417	0.393	7.72	
49)	Acenaphthylene	1.973	1.917	2.068	1.895	1.981	1.871	1.862	1.938	3.80	
50)	Dimethylphthalate	1.628	1.564	1.677	1.513	1.594	1.510	1.510	1.571	4.17	
51)	2,6-Dinitrotol...	0.324	0.325	0.356	0.330	0.357	0.339	0.344	0.339	4.06	
52) C	Acenaphthene	1.186	1.147	1.220	1.096	1.168	1.097	1.091	1.143	4.44	
53)	3-Nitroaniline	0.330	0.341	0.390	0.368	0.392	0.378	0.386	0.369	6.63	
54) P	2,4-Dinitrophenol		0.106	0.163	0.188	0.204	0.200	0.215	0.179	22.43	
55)	Dibenzofuran	1.994	1.896	1.979	1.774	1.860	1.745	1.724	1.853	5.93	
56) P	4-Nitrophenol	0.178	0.217	0.265	0.277	0.294	0.283	0.293	0.258	17.03	
57)	2,4-Dinitrotol...	0.419	0.427	0.485	0.456	0.483	0.459	0.465	0.456	5.62	
58)	Fluorene	1.569	1.489	1.556	1.339	1.411	1.287	1.227	1.411	9.44	
59)	2,3,4,6-Tetrac...	0.378	0.363	0.423	0.387	0.419	0.389	0.392	0.393	5.42	
60)	Diethylphthalate	1.614	1.581	1.681	1.506	1.595	1.490	1.466	1.562	4.95	
61)	4-Chlorophenyl...	0.856	0.791	0.838	0.718	0.746	0.690	0.660	0.757	9.81	
62)	4-Nitroaniline	0.331	0.335	0.399	0.374	0.395	0.372	0.378	0.369	7.19	
63)	Azobenzene	1.553	1.500	1.615	1.457	1.545	1.454	1.448	1.510	4.20	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.076	0.088	0.120	0.127	0.133	0.126	0.133	0.115	19.95	
66) c	n-Nitrosodiphe...	0.611	0.594	0.637	0.563	0.585	0.550	0.547	0.584	5.69	
67)	4-Bromophenyl-...	0.231	0.224	0.240	0.219	0.226	0.215	0.217	0.225	3.96	
68)	Hexachlorobenzene	0.249	0.241	0.261	0.233	0.246	0.223	0.232	0.241	5.16	
69)	Atrazine	0.167	0.204	0.213	0.190	0.189	0.176	0.172	0.187	9.06	
70) C	Pentachlorophenol	0.076	0.095	0.125	0.131	0.139	0.134	0.138	0.120	20.34	
71)	Phenanthrene	1.155	1.087	1.162	1.044	1.079	1.014	0.991	1.076	6.10	
72)	Anthracene	1.119	1.081	1.172	1.045	1.082	1.006	0.992	1.071	5.88	
73)	Carbazole	1.087	1.040	1.141	1.009	1.038	0.970	0.960	1.035	6.18	
74)	Di-n-butylphth...	1.217	1.223	1.337	1.214	1.236	1.152	1.152	1.219	5.10	
75) C	Fluoranthene	1.376	1.342	1.409	1.274	1.295	1.236	1.186	1.303	6.02	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.362	0.451	0.670	0.575	0.547	0.457		0.511	21.35	
78)	Pyrene	1.366	1.288	1.429	1.342	1.386	1.323	1.396	1.361	3.50	
79) S	Terphenyl-d14	1.032	0.956	1.038	0.882	0.910	0.840	0.827	0.927	9.24	
80)	Butylbenzylpht...	0.554	0.555	0.628	0.595	0.617	0.597	0.613	0.594	4.97	
81)	Benzo(a)anthra...	1.352	1.288	1.408	1.264	1.320	1.244	1.277	1.308	4.36	
82)	3,3'-Dichlorob...	0.459	0.468	0.517	0.486	0.492	0.463	0.465	0.479	4.42	
83)	Chrysene	1.343	1.240	1.350	1.210	1.251	1.188	1.195	1.254	5.36	
84)	Bis(2-ethylhex...	0.874	0.827	0.914	0.842	0.864	0.823	0.831	0.853	3.85	
85) c	Di-n-octyl pht...	1.499	1.440	1.609	1.500	1.542	1.468	1.494	1.507	3.64	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.474	1.379	1.529	1.443	1.452	1.378	1.424	1.440		3.70
88)	Benzo(b)fluora...	1.306	1.248	1.334	1.290	1.281	1.235	1.239	1.276		2.92
89)	Benzo(k)fluora...	1.327	1.168	1.298	1.170	1.158	1.107	1.107	1.191		7.35
90) C	Benzo(a)pyrene	1.212	1.149	1.253	1.164	1.174	1.132	1.115	1.171		4.05
91)	Dibenzo(a,h)an...	1.250	1.142	1.258	1.180	1.173	1.115	1.119	1.177		4.95
92)	Benzo(g,h,i)pe...	1.206	1.116	1.228	1.186	1.184	1.140	1.178	1.177		3.21

(#) = Out of Range