

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG050522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu May 05 02:13:53 2022
 Response Via : Initial Calibration

Calibration Files

1 =BG053432.D 5 =BG053433.D 10 =BG053434.D 20 =BG053435.D 40 =BG053436.D 50 =BG053437.D 60 =BG053438.D 80 =BG053439.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.749	0.584	0.718	0.613	0.563	0.569	0.533	0.618	13.38	
3)	Pyridine	1.384	1.366	1.708	1.580	1.516	1.542	1.474	1.510	7.79	
4)	n-Nitrosodimet...	0.719	0.678	0.852	0.754	0.709	0.726	0.711	0.736	7.61	
5) S	2-Fluorophenol	1.221	1.156	1.348	1.190	1.112	1.125	1.098	1.178	7.34	
6)	Aniline	1.877	1.870	2.280	2.042	1.889	1.981	1.927	1.981	7.36	
7) S	Phenol-d6	1.729	1.707	2.074	1.828	1.716	1.768	1.698	1.788	7.46	
8)	2-Chlorophenol	1.322	1.204	1.428	1.241	1.136	1.158	1.134	1.232	8.88	
9)	Benzaldehyde	1.271	1.217	1.314	1.077	0.986	0.952		1.136	13.44	
10) C	Phenol	1.752	1.688	2.019	1.810	1.661	1.695	1.620	1.749	7.66	
11)	bis(2-Chloroet...	1.338	1.302	1.498	1.352	1.209	1.242	1.191	1.305	8.09	
12)	1,3-Dichlorobe...	1.573	1.450	1.661	1.456	1.334	1.389	1.311	1.453	8.72	
13) C	1,4-Dichlorobe...	1.639	1.450	1.654	1.441	1.367	1.380	1.334	1.467	8.84	
14)	1,2-Dichlorobe...	1.461	1.348	1.620	1.383	1.271	1.282	1.275	1.377	9.26	
15)	Benzyl Alcohol	1.376	1.379	1.736	1.540	1.443	1.528	1.464	1.495	8.29	
16)	2,2'-oxybis(1-...	2.245	2.127	2.442	2.146	1.973	1.994	1.935	2.123	8.43	
17)	2-Methylphenol	1.217	1.123	1.385	1.193	1.118	1.134	1.106	1.182	8.32	
18)	Hexachloroethane	0.638	0.561	0.630	0.546	0.509	0.504	0.510	0.557	10.22	
19) P	n-Nitroso-di-n...	1.230	1.237	1.278	1.535	1.302	1.205	1.255	1.224	1.283	8.29
20)	3+4-Methylphenols		1.640	1.559	1.909	1.734	1.592	1.642	1.612	1.670	7.11
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.558	0.538	0.596	0.546	0.534	0.543	0.518	0.547	4.48	
23) S	Nitrobenzene-d5	0.455	0.461	0.499	0.483	0.462	0.471	0.458	0.470	3.43	
24)	Nitrobenzene	0.459	0.441	0.479	0.470	0.441	0.458	0.435	0.455	3.66	
25)	Isophorone	0.712	0.754	0.859	0.825	0.794	0.803	0.789	0.791	6.03	
26) C	2-Nitrophenol	0.168	0.176	0.190	0.190	0.184	0.192	0.191	0.184	5.00	
27)	2,4-Dimethylph...	0.275	0.264	0.293	0.285	0.274	0.279	0.269	0.277	3.53	
28)	bis(2-Chloroet...	0.442	0.463	0.479	0.463	0.444	0.455	0.437	0.455	3.27	
29) C	2,4-Dichloroph...	0.303	0.309	0.345	0.355	0.336	0.352	0.342	0.335	6.16	
30)	1,2,4-Trichlor...	0.397	0.360	0.400	0.383	0.377	0.378	0.365	0.380	3.93	
31)	Naphthalene	1.016	1.010	1.093	1.027	0.983	1.014	0.979	1.017	3.71	
32)	Benzoic acid		0.064	0.122	0.159	0.160	0.189	0.190	0.147	32.58	
33)	4-Chloroaniline	0.378	0.404	0.458	0.449	0.424	0.445	0.424	0.426	6.61	
34) C	Hexachlorobuta...	0.288	0.282	0.299	0.287	0.271	0.279	0.267	0.282	3.76	
35)	Caprolactam	0.104	0.115	0.132	0.125	0.124	0.128	0.123	0.122	7.91	
36) C	4-Chloro-3-met...	0.374	0.372	0.430	0.423	0.395	0.410	0.397	0.400	5.64	
37)	2-Methylnaphth...	0.767	0.746	0.810	0.779	0.732	0.750	0.729	0.759	3.78	
38)	1-Methylnaphth...	0.757	0.727	0.801	0.738	0.718	0.740	0.704	0.741	4.28	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.597	0.630	0.667	0.644	0.625	0.636	0.613	0.630	3.54	
41) P	Hexachlorocycl...	0.099	0.155	0.214	0.225	0.245	0.265	0.200		31.01	
42) S	2,4,6-Tribromo...	0.271	0.286	0.309	0.312	0.296	0.300	0.291	0.295	4.76	
43) C	2,4,6-Trichlor...	0.366	0.380	0.430	0.441	0.413	0.433	0.417	0.412	6.87	
44)	2,4,5-Trichlor...	0.377	0.416	0.446	0.467	0.438	0.468	0.453	0.438	7.35	
45) S	2-Fluorobiphenyl	1.430	1.386	1.442	1.376	1.330	1.336	1.280	1.369	4.21	
46)	1,1'-Biphenyl	1.370	1.345	1.450	1.379	1.345	1.348	1.307	1.363	3.27	
47)	2-Chloronaphth...	1.130	1.067	1.122	1.070	1.032	1.051	1.005	1.068	4.23	
48)	2-Nitroaniline	0.376	0.354	0.413	0.420	0.409	0.411	0.403	0.398	6.00	
49)	Acenaphthylene	1.721	1.682	1.782	1.751	1.677	1.698	1.619	1.704	3.13	
50)	Dimethylphthalate	1.511	1.519	1.627	1.555	1.508	1.491	1.428	1.520	4.01	
51)	2,6-Dinitrotol...	0.301	0.300	0.332	0.323	0.306	0.302	0.303	0.310	4.14	
52) C	Acenaphthene	1.022	1.006	1.062	1.044	0.987	1.011	0.977	1.016	2.96	
53)	3-Nitroaniline	0.297	0.321	0.356	0.352	0.339	0.346	0.330	0.335	6.14	
54) P	2,4-Dinitrophenol	0.107	0.137	0.178	0.181	0.194	0.198	0.166		21.77	
55)	Dibenzofuran	1.880	1.860	1.947	1.827	1.768	1.781	1.708	1.824	4.37	
56) P	4-Nitrophenol	0.193	0.234	0.254	0.253	0.254	0.246	0.239		9.95	
57)	2,4-Dinitrotol...	0.427	0.423	0.466	0.473	0.452	0.460	0.440	0.449	4.32	
58)	Fluorene	1.496	1.482	1.554	1.496	1.420	1.433	1.367	1.464	4.20	
59)	2,3,4,6-Tetrac...	0.397	0.422	0.466	0.466	0.457	0.453	0.449	0.444	5.77	
60)	Diethylphthalate	1.565	1.581	1.681	1.619	1.540	1.532	1.472	1.570	4.25	
61)	4-Chlorophenyl...	0.786	0.836	0.862	0.828	0.807	0.820	0.779	0.817	3.52	
62)	4-Nitroaniline	0.307	0.353	0.378	0.359	0.348	0.351	0.332	0.347	6.42	
63)	Azobenzene	1.634	1.599	1.709	1.625	1.582	1.578	1.526	1.608	3.56	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.089	0.103	0.128	0.128	0.126	0.131	0.130	0.119	13.75	
66) c	n-Nitrosodiphe...	0.516	0.517	0.567	0.537	0.511	0.523	0.505	0.525	3.98	
67)	4-Bromophenyl-...	0.230	0.221	0.241	0.242	0.233	0.238	0.230	0.234	3.15	
68)	Hexachlorobenzene	0.264	0.249	0.267	0.257	0.247	0.258	0.249	0.256	3.06	
69)	Atrazine	0.236	0.222	0.242	0.223	0.213	0.211	0.200	0.221	6.68	
70) C	Pentachlorophenol	0.082	0.112	0.127	0.131	0.139	0.137	0.121		17.81	
71)	Phenanthrene	1.039	1.032	1.089	1.022	0.980	0.996	0.961	1.017	4.17	
72)	Anthracene	1.029	1.011	1.074	0.997	0.962	0.977	0.945	1.000	4.38	
73)	Carbazole	0.996	0.997	1.076	0.987	0.946	0.948	0.907	0.980	5.47	
74)	Di-n-butylphth...	1.163	1.084	1.202	1.122	1.066	1.061	1.015	1.102	5.85	
75) C	Fluoranthene	1.379	1.363	1.434	1.322	1.251	1.266	1.203	1.317	6.16	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.442	0.446	0.483	0.424	0.420	0.405	0.399	0.431	6.65	
78)	Pyrene	1.248	1.271	1.404	1.316	1.274	1.302	1.248	1.295	4.21	
79) S	Terphenyl-d14	1.089	1.088	1.173	1.077	1.039	1.050	1.001	1.074	5.00	
80)	Butylbenzylpht...	0.441	0.439	0.508	0.492	0.478	0.492	0.473	0.475	5.53	
81)	Benzo(a)anthra...	1.267	1.263	1.366	1.277	1.256	1.276	1.224	1.276	3.41	
82)	3,3'-Dichlorob...	0.303	0.311	0.343	0.335	0.327	0.325	0.321	0.323	4.21	
83)	Chrysene	1.208	1.174	1.268	1.204	1.168	1.177	1.141	1.191	3.41	
84)	Bis(2-ethylhex...	0.604	0.622	0.697	0.672	0.660	0.674	0.658	0.655	4.89	
85) c	Di-n-octyl pht...	1.001	1.048	1.175	1.140	1.126	1.150	1.116	1.108	5.55	

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.340	1.336	1.484	1.414	1.377	1.429	1.371	1.393	3.80
88)	Benzo(b)fluora...	1.142	1.142	1.259	1.216	1.153	1.226	1.150	1.184	4.09
89)	Benzo(k)fluora...	1.171	1.156	1.246	1.147	1.149	1.155	1.119	1.163	3.42
90) C	Benzo(a)pyrene	0.965	0.965	1.077	1.023	0.995	1.036	0.992	1.008	4.03
91)	Dibenzo(a,h)an...	1.131	1.119	1.249	1.154	1.112	1.155	1.114	1.148	4.20
92)	Benzo(g,h,i)pe...	1.103	1.105	1.213	1.149	1.114	1.165	1.115	1.138	3.56

(#) = Out of Range