

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG111921.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Nov 19 16:26:22 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG051119.D 10 =BG051120.D 20 =BG051121.D 40 =BG051122.D 50 =BG051123.D 60 =BG051124.D 80 =BG051125.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.625	0.636	0.570	0.530	0.500	0.485	0.451	0.543	13.05
3) Pyridine	1.854	1.722	1.715	1.608	1.526	1.470	1.403	1.614	9.87
4) n-Nitrosodimet...	0.788	0.774	0.734	0.691	0.645	0.632	0.594	0.694	10.69
5) S 2-Fluorophenol	1.566	1.468	1.342	1.257	1.196	1.159	1.068	1.294	13.63
6) Aniline	2.532	2.414	2.262	2.137	2.040	1.966	1.802	2.165	11.82
7) S Phenol-d6	2.127	2.018	1.912	1.790	1.730	1.645	1.534	1.822	11.49
8) 2-Chlorophenol	1.674	1.499	1.434	1.305	1.264	1.211	1.117	1.358	14.01
9) Benzaldehyde	1.568	1.451	1.312	1.180	1.081			1.318	14.97
10) C Phenol	2.176	2.074	2.004	1.820	1.780	1.683	1.557	1.871	11.89
11) bis(2-Chloroet...	1.690	1.625	1.468	1.377	1.323	1.250	1.167	1.414	13.57
12) 1,3-Dichlorobe...	1.747	1.641	1.501	1.413	1.364	1.295	1.208	1.453	13.14
13) C 1,4-Dichlorobe...	1.840	1.726	1.567	1.460	1.393	1.320	1.236	1.506	14.50
14) 1,2-Dichlorobe...	1.694	1.640	1.518	1.382	1.342	1.265	1.159	1.429	13.77
15) Benzyl Alcohol	1.610	1.593	1.499	1.472	1.423	1.340	1.254	1.456	8.87
16) 2,2'-oxybis(1-...	2.500	2.303	2.159	1.975	1.901	1.801	1.671	2.044	14.28
17) 2-Methylphenol	1.435	1.404	1.346	1.237	1.215	1.144	1.059	1.263	10.98
18) Hexachloroethane	0.699	0.629	0.586	0.543	0.519	0.498	0.465	0.563	14.39
19) P n-Nitroso-di-n...	1.648	1.473	1.404	1.320	1.261	1.203	1.105	1.345	13.47
20) 3+4-Methylphenols	2.060	2.000	1.888	1.792	1.707	1.632	1.519	1.800	10.91
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.636	0.610	0.548	0.520	0.520	0.496	0.453	0.540	11.79
23) S Nitrobenzene-d5	0.504	0.486	0.448	0.426	0.425	0.400	0.376	0.438	10.37
24) Nitrobenzene	0.480	0.478	0.438	0.414	0.415	0.388	0.361	0.425	10.40
25) Isophorone	0.916	0.870	0.797	0.775	0.769	0.724	0.671	0.789	10.53
26) C 2-Nitrophenol	0.204	0.211	0.193	0.190	0.194	0.182	0.171	0.192	6.89
27) 2,4-Dimethylph...	0.338	0.318	0.280	0.274	0.275	0.265	0.238	0.284	11.72
28) bis(2-Chloroet...	0.554	0.540	0.473	0.458	0.448	0.422	0.392	0.470	12.59
29) C 2,4-Dichloroph...	0.363	0.350	0.321	0.312	0.319	0.300	0.278	0.320	9.01
30) 1,2,4-Trichlor...	0.413	0.404	0.363	0.350	0.352	0.331	0.307	0.360	10.54
31) Naphthalene	1.232	1.195	1.060	1.031	1.022	0.957	0.890	1.055	11.56
32) Benzoic acid		0.133	0.157	0.191	0.212	0.207	0.203	0.184	17.23
33) 4-Chloroaniline	0.508	0.512	0.461	0.442	0.444	0.421	0.386	0.454	9.98
34) C Hexachlorobuta...	0.254	0.251	0.228	0.213	0.213	0.206	0.191	0.222	10.54
35) Caprolactam	0.100	0.090	0.087	0.086	0.084	0.078	0.073	0.086	10.07
36) C 4-Chloro-3-met...	0.460	0.427	0.397	0.390	0.387	0.369	0.339	0.396	9.88
37) 2-Methylnaphth...	0.875	0.830	0.759	0.727	0.731	0.682	0.630	0.748	11.17
38) 1-Methylnaphth...	0.861	0.823	0.738	0.709	0.711	0.659	0.608	0.730	12.05

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.700	0.675	0.610	0.589	0.604	0.554	0.522	0.608	10.31
41) P	Hexachlorocycl...		0.044	0.078	0.133	0.158	0.158	0.172	0.124	41.41
42) S	2,4,6-Tribromo...	0.231	0.224	0.211	0.213	0.215	0.203	0.191	0.213	6.28
43) C	2,4,6-Trichlor...	0.454	0.449	0.425	0.413	0.428	0.393	0.370	0.419	7.12
44)	2,4,5-Trichlor...	0.502	0.491	0.444	0.462	0.448	0.419	0.406	0.453	7.72
45) S	2-Fluorobiphenyl	1.608	1.506	1.354	1.269	1.276	1.177	1.088	1.325	13.69
46)	1,1'-Biphenyl	1.706	1.605	1.445	1.393	1.407	1.292	1.215	1.438	11.85
47)	2-Chloronaphth...	1.346	1.256	1.156	1.103	1.119	1.022	0.965	1.138	11.47
48)	2-Nitroaniline	0.465	0.445	0.413	0.410	0.410	0.378	0.358	0.411	8.81
49)	Acenaphthylene	2.151	2.032	1.838	1.764	1.768	1.637	1.513	1.815	12.07
50)	Dimethylphthalate	1.838	1.695	1.557	1.520	1.496	1.394	1.286	1.541	11.88
51)	2,6-Dinitrotol...	0.371	0.345	0.327	0.319	0.321	0.293	0.276	0.322	9.74
52) C	Acenaphthene	1.256	1.167	1.055	1.034	1.042	0.957	0.902	1.059	11.33
53)	3-Nitroaniline	0.397	0.386	0.363	0.367	0.359	0.336	0.315	0.361	7.73
54) P	2,4-Dinitrophenol		0.114	0.147	0.176	0.183	0.176	0.175	0.162	16.49
55)	Dibenzofuran	2.222	2.066	1.870	1.779	1.776	1.639	1.523	1.839	13.08
56) P	4-Nitrophenol	0.228	0.260	0.245	0.278	0.269	0.251	0.244	0.254	6.71
57)	2,4-Dinitrotol...	0.514	0.487	0.462	0.465	0.466	0.435	0.398	0.461	8.02
58)	Fluorene	1.736	1.602	1.473	1.406	1.401	1.293	1.198	1.444	12.55
59)	2,3,4,6-Tetrac...	0.434	0.405	0.396	0.394	0.391	0.366	0.336	0.389	7.90
60)	Diethylphthalate	1.942	1.800	1.665	1.586	1.578	1.450	1.354	1.625	12.31
61)	4-Chlorophenyl...	0.931	0.864	0.787	0.774	0.778	0.719	0.673	0.789	10.88
62)	4-Nitroaniline	0.436	0.418	0.399	0.390	0.377	0.351	0.327	0.386	9.74
63)	Azobenzene	1.890	1.828	1.660	1.590	1.597	1.471	1.356	1.627	11.51
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.099	0.115	0.122	0.125	0.131	0.124	0.120	0.119	8.60
66) c	n-Nitrosodiphe...	0.675	0.644	0.581	0.553	0.560	0.518	0.487	0.574	11.56
67)	4-Bromophenyl-...	0.249	0.235	0.220	0.206	0.214	0.201	0.189	0.216	9.55
68)	Hexachlorobenzene	0.260	0.250	0.221	0.206	0.214	0.199	0.189	0.220	11.92
69)	Atrazine	0.180	0.173	0.151	0.146	0.139	0.127		0.153	13.16
70) C	Pentachlorophenol		0.080	0.093	0.106	0.111	0.106	0.104	0.100	11.57
71)	Phenanthrene	1.277	1.227	1.101	1.032	1.038	0.960	0.891	1.075	12.89
72)	Anthracene	1.277	1.209	1.103	1.021	1.029	0.949	0.877	1.066	13.21
73)	Carbazole	1.280	1.205	1.077	1.008	0.994	0.931	0.848	1.049	14.44
74)	Di-n-butylphth...	1.558	1.471	1.300	1.222	1.195	1.125	1.018	1.270	14.97
75) C	Fluoranthene	1.628	1.527	1.356	1.272	1.251	1.168	1.075	1.325	14.73
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.390	0.330	0.293	0.364	0.329	0.263		0.328	13.96
78)	Pyrene	1.734	1.570	1.499	1.444	1.398	1.302	1.206	1.450	12.00
79) S	Terphenyl-d14	1.333	1.223	1.140	1.079	1.048	0.959	0.876	1.094	14.15
80)	Butylbenzylpht...	0.722	0.689	0.624	0.601	0.601	0.562	0.529	0.618	10.95
81)	Benzo(a)anthra...	1.609	1.523	1.402	1.320	1.316	1.230	1.148	1.364	11.81
82)	3,3'-Dichlorob...	0.681	0.684	0.633	0.601	0.604	0.554	0.509	0.610	10.50
83)	Chrysene	1.505	1.426	1.307	1.246	1.247	1.161	1.072	1.281	11.59
84)	Bis(2-ethylhex...	0.992	0.944	0.882	0.834	0.848	0.796	0.734	0.861	10.14
85) c	Di-n-octyl pht...	1.666	1.590	1.501	1.393	1.414	1.310	1.229	1.443	10.64

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.681	1.589	1.455	1.374	1.402	1.312	1.234	1.435	10.84	
88)	Benzo(b)fluora...	1.426	1.360	1.276	1.174	1.195	1.145	1.052	1.233	10.50	
89)	Benzo(k)fluora...	1.487	1.414	1.247	1.205	1.226	1.115	1.060	1.251	12.20	
90) C	Benzo(a)pyrene	1.262	1.188	1.088	1.021	1.040	0.983	0.907	1.070	11.34	
91)	Dibenzo(a,h)an...	1.411	1.313	1.195	1.129	1.152	1.070	1.007	1.182	11.78	
92)	Benzo(g,h,i)pe...	1.375	1.302	1.174	1.125	1.141	1.064	1.004	1.169	11.09	

(#) = Out of Range