

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM121620.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 16 01:58:38 2020
 Response Via : Initial Calibration

Calibration Files

5 =BM028129.D 10 =BM028130.D 20 =BM028131.D 40 =BM028132.D 50 =BM028133.D 60 =BM028134.D 80 =BM028135.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.560	0.588	0.506	0.442	0.475	0.489	0.414	0.496	12.46
3) Pyridine	1.416	1.599	1.466	1.264	1.451	1.478	1.290	1.423	8.09
4) n-Nitrosodimet...	0.829	0.883	0.778	0.670	0.748	0.760	0.654	0.760	10.71
5) S 2-Fluorophenol	1.214	1.399	1.241	1.093	1.217	1.251	1.079	1.214	8.84
6) Aniline	1.911	2.107	2.037	1.728	2.017	2.031	1.795	1.946	7.20
7) S Phenol-d6	1.673	1.929	1.801	1.548	1.793	1.811	1.578	1.733	7.97
8) 2-Chlorophenol	1.377	1.542	1.445	1.257	1.435	1.452	1.266	1.396	7.44
9) Benzaldehyde	1.101	1.188	1.060	0.793	0.855	0.813		0.968	17.39
10) C Phenol	1.605	1.835	1.722	1.465	1.694	1.705	1.498	1.646	7.98
11) bis(2-Chloroet...	1.357	1.551	1.458	1.223	1.405	1.405	1.225	1.375	8.68
12) 1,3-Dichlorobe...	1.679	1.879	1.694	1.476	1.639	1.669	1.450	1.641	8.81
13) C 1,4-Dichlorobe...	1.693	1.901	1.723	1.492	1.657	1.698	1.470	1.662	8.82
14) 1,2-Dichlorobe...	1.598	1.823	1.675	1.438	1.611	1.638	1.432	1.602	8.52
15) Benzyl Alcohol	1.164	1.312	1.286	1.093	1.295	1.308	1.140	1.228	7.52
16) 2,2'-oxybis(1-...	2.528	2.799	2.638	2.210	2.524	2.506	2.184	2.484	8.88
17) 2-Methylphenol	1.079	1.257	1.204	1.034	1.209	1.213	1.065	1.151	7.72
18) Hexachloroethane	0.591	0.691	0.641	0.567	0.632	0.645	0.565	0.619	7.49
19) P n-Nitroso-di-n...	1.014	1.168	1.172	0.975	1.155	1.152	1.011	1.093	8.02
20) 3+4-Methylphenols	1.434	1.666	1.639	1.385	1.652	1.655	1.457	1.556	7.95
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.491	0.571	0.521	0.448	0.535	0.550	0.480	0.514	8.39
23) S Nitrobenzene-d5	0.369	0.444	0.405	0.358	0.424	0.437	0.384	0.403	8.38
24) Nitrobenzene	0.366	0.437	0.395	0.346	0.411	0.425	0.372	0.393	8.50
25) Isophorone	0.576	0.693	0.674	0.595	0.719	0.738	0.652	0.664	9.15
26) C 2-Nitrophenol	0.134	0.170	0.167	0.160	0.193	0.203	0.178	0.172	13.18
27) 2,4-Dimethylph...	0.258	0.299	0.274	0.240	0.286	0.296	0.259	0.273	8.05
28) bis(2-Chloroet...	0.457	0.525	0.485	0.418	0.498	0.506	0.446	0.477	7.88
29) C 2,4-Dichloroph...	0.275	0.338	0.321	0.287	0.341	0.351	0.311	0.318	8.96
30) 1,2,4-Trichlor...	0.352	0.419	0.376	0.327	0.387	0.396	0.349	0.372	8.39
31) Naphthalene	1.077	1.260	1.130	0.991	1.171	1.201	1.054	1.126	8.21
32) Benzoic acid	0.152	0.186	0.207	0.202	0.259	0.270		0.213	20.98
33) 4-Chloroaniline	0.445	0.517	0.487	0.422	0.515	0.521	0.461	0.481	8.16
34) C Hexachlorobuta...	0.215	0.248	0.223	0.195	0.227	0.234	0.204	0.221	8.15
35) Caprolactam	0.079	0.097	0.108	0.093	0.119	0.119	0.109	0.103	14.03
36) C 4-Chloro-3-met...	0.300	0.355	0.349	0.299	0.370	0.373	0.334	0.340	8.98
37) 2-Methylnaphth...	0.746	0.869	0.819	0.696	0.843	0.855	0.752	0.797	8.25
38) 1-Methylnaphth...	0.726	0.822	0.778	0.662	0.800	0.811	0.714	0.759	7.81

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.596	0.720	0.635	0.560	0.655	0.682	0.593	0.634	8.81
41) P	Hexachlorocycl...	0.252	0.343	0.319	0.309	0.357	0.379	0.333	0.327	12.41
42) S	2,4,6-Tribromo...	0.220	0.281	0.272	0.242	0.290	0.293	0.260	0.265	10.09
43) C	2,4,6-Trichlor...	0.353	0.455	0.428	0.387	0.462	0.478	0.419	0.426	10.39
44)	2,4,5-Trichlor...	0.385	0.487	0.448	0.401	0.476	0.495	0.435	0.447	9.45
45) S	2-Fluorobiphenyl	1.479	1.767	1.548	1.360	1.580	1.635	1.400	1.538	9.13
46)	1,1'-Biphenyl	1.599	1.885	1.674	1.465	1.724	1.789	1.554	1.670	8.61
47)	2-Chloronaphth...	1.289	1.524	1.355	1.184	1.402	1.451	1.263	1.353	8.66
48)	2-Nitroaniline	0.330	0.412	0.411	0.376	0.455	0.472	0.421	0.411	11.54
49)	Acenaphthylene	1.816	2.227	2.042	1.799	2.139	2.221	1.941	2.026	8.88
50)	Dimethylphthalate	1.586	1.833	1.690	1.452	1.736	1.765	1.557	1.660	8.04
51)	2,6-Dinitrotol...	0.293	0.371	0.355	0.310	0.374	0.384	0.343	0.347	9.89
52) C	Acenaphthene	1.284	1.533	1.382	1.208	1.452	1.495	1.315	1.381	8.62
53)	3-Nitroaniline	0.316	0.409	0.397	0.352	0.433	0.443	0.398	0.393	11.42
54) P	2,4-Dinitrophenol	0.165	0.183	0.175	0.220	0.231	0.215	0.198		13.64
55)	Dibenzofuran	1.900	2.216	1.991	1.711	2.044	2.078	1.831	1.967	8.54
56) P	4-Nitrophenol	0.252	0.313	0.313	0.276	0.346	0.352	0.321	0.310	11.56
57)	2,4-Dinitrotol...	0.358	0.462	0.469	0.421	0.514	0.521	0.472	0.460	12.14
58)	Fluorene	1.538	1.804	1.656	1.404	1.684	1.703	1.495	1.612	8.58
59)	2,3,4,6-Tetrac...	0.350	0.445	0.420	0.366	0.441	0.447	0.401	0.410	9.61
60)	Diethylphthalate	1.564	1.864	1.765	1.513	1.814	1.816	1.626	1.709	8.14
61)	4-Chlorophenyl...	0.781	0.910	0.823	0.705	0.834	0.845	0.738	0.805	8.60
62)	4-Nitroaniline	0.336	0.429	0.439	0.382	0.477	0.476	0.441	0.426	11.95
63)	Azobenzene	1.381	1.724	1.626	1.408	1.688	1.696	1.506	1.575	9.07
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.104	0.109	0.105	0.129	0.138	0.124	0.118		11.81
66) c	n-Nitrosodiphe...	0.606	0.737	0.670	0.587	0.692	0.732	0.626	0.664	8.99
67)	4-Bromophenyl-...	0.217	0.267	0.242	0.213	0.248	0.262	0.224	0.239	8.99
68)	Hexachlorobenzene	0.255	0.310	0.276	0.241	0.284	0.297	0.253	0.274	9.26
69)	Atrazine	0.192	0.239	0.225	0.193	0.226	0.232	0.199	0.215	9.17
70) C	Pentachlorophenol	0.114	0.154	0.155	0.141	0.169	0.179	0.159	0.153	13.74
71)	Phenanthrene	1.169	1.370	1.240	1.053	1.258	1.295	1.118	1.215	8.93
72)	Anthracene	1.079	1.289	1.204	1.033	1.237	1.273	1.106	1.174	8.63
73)	Carbazole	1.027	1.214	1.141	0.961	1.167	1.190	1.053	1.108	8.56
74)	Di-n-butylphth...	1.129	1.452	1.447	1.279	1.515	1.515	1.357	1.385	10.20
75) C	Fluoranthene	1.307	1.502	1.419	1.174	1.435	1.409	1.275	1.360	8.29
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.493	0.459	0.516	0.527	0.512	0.548	0.478	0.505	6.00
78)	Pyrene	1.250	1.628	1.410	1.344	1.470	1.718	1.316	1.448	11.78
79) S	Terphenyl-d14	1.016	1.306	1.111	1.018	1.094	1.240	0.932	1.102	11.95
80)	Butylbenzylpht...	0.452	0.626	0.628	0.616	0.695	0.756	0.641	0.631	14.76
81)	Benzo(a)anthra...	1.287	1.526	1.392	1.210	1.413	1.464	1.246	1.362	8.63
82)	3,3'-Dichlorob...	0.395	0.484	0.470	0.397	0.467	0.459	0.404	0.439	8.86
83)	Chrysene	1.285	1.486	1.350	1.161	1.356	1.395	1.201	1.319	8.55
84)	Bis(2-ethylhex...	0.651	0.880	0.929	0.886	1.007	1.038	0.927	0.903	13.90
85) c	Di-n-octyl pht...	1.122	1.372	1.562	1.400	1.673	1.578	1.532	1.463	12.49

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86)	I	Perylene-d12		- - - - - ISTD - - - - -							
87)		Indeno(1,2,3-c... Benzo(b)fluora...	1.320 1.216	1.465 1.547	1.398 1.349	1.170 1.207	1.336 1.441	1.454 1.526	1.165 1.251	1.330 1.363	9.26 10.61
89)		Benzo(k)fluora...	1.243	1.467	1.334	1.205	1.331	1.439	1.251	1.324	7.55
90)	C	Benzo(a)pyrene	1.126	1.347	1.235	1.091	1.270	1.348	1.143	1.223	8.61
91)		Dibenzo(a,h)an...	1.099	1.226	1.161	0.981	1.118	1.211	0.970	1.109	9.21
92)		Benzo(g,h,i)pe...	1.047	1.165	1.101	0.936	1.062	1.183	0.926	1.060	9.54

(#) = Out of Range