Response Factor Report MSBNA_P

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
Method File : 8270-BP100119.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 =BP000478.D 20 =BP000479.D 40 =BP000480.D 50 =BP000481.D 60 =BP000482.D 80 =BP000485.D 100 =BP000484.D

		Compound	10	20	40	50	60	80	100	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.493	0.509	0.523	0.492	0.510	0.470	0.482	0.497	3.71
3)		Pyridine	1.401	1.347	1.419	1.369	1.360	1.293	1.313	1.358	3.31
4)		n-Nitrosodimet...	0.394	0.382	0.388	0.373	0.384	0.378	0.375	0.382	1.92
5)	S	2-Fluorophenol	1.390	1.334	1.321	1.221	1.208	1.156	1.079	1.244	8.82
6)		Aniline	2.038	2.016	1.983	1.823	1.731	1.652	1.507	1.822	11.13
7)	S	Phenol-d6	1.682	1.632	1.607	1.480	1.436	1.366	1.292	1.499	9.74
8)		2-Chlorophenol	1.340	1.316	1.313	1.212	1.173	1.145	1.096	1.228	7.80
9)		Benzaldehyde	0.969	0.904	0.819	0.716	0.668	0.612		0.781	17.88
10)	C	Phenol	1.739	1.694	1.665	1.534	1.453	1.375	1.286	1.535	11.22
11)		bis(2-Chloroet...	1.253	1.249	1.244	1.172	1.134	1.133	1.081	1.181	5.82
12)		1,3-Dichlorobe...	1.624	1.586	1.577	1.472	1.432	1.380	1.348	1.489	7.29
13)	C	1,4-Dichlorobe...	1.631	1.575	1.594	1.498	1.431	1.417	1.339	1.498	7.17
14)		1,2-Dichlorobe...	1.544	1.506	1.492	1.385	1.313	1.257	1.182	1.383	9.97
15)		Benzyl Alcohol	1.027	1.029	1.037	0.973	0.944	0.909	0.859	0.968	7.06
16)		2,2'-oxybis(1-...	1.164	1.189	1.179	1.102	1.028	1.019	0.945	1.089	8.66
17)		2-Methylphenol	1.071	1.072	1.077	1.011	0.975	0.970	0.929	1.015	5.86
18)		Hexachloroethane	0.557	0.552	0.572	0.533	0.517	0.510	0.490	0.533	5.54
19)	P	n-Nitroso-di-n...	0.814	0.786	0.735	0.669	0.631	0.617	0.585	0.691	12.80
20)		3+4-Methylphenols	1.359	1.369	1.298	1.186	1.102	1.036	0.962	1.187	13.58
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.557	0.511	0.483	0.446	0.426	0.413	0.398	0.462	12.52
23)	S	Nitrobenzene-d5	0.368	0.341	0.338	0.322	0.315	0.310	0.298	0.327	7.12
24)		Nitrobenzene	0.347	0.330	0.328	0.310	0.309	0.299	0.287	0.316	6.42
25)		Isophorone	0.628	0.604	0.603	0.570	0.558	0.556	0.549	0.581	5.19
26)	C	2-Nitrophenol	0.161	0.161	0.171	0.165	0.169	0.170	0.165	0.166	2.39
27)		2,4-Dimethylph...	0.273	0.267	0.265	0.252	0.249	0.243	0.235	0.255	5.47
28)		bis(2-Chloroet...	0.434	0.418	0.417	0.392	0.376	0.370	0.358	0.395	7.24
29)	C	2,4-Dichloroph...	0.308	0.301	0.302	0.286	0.280	0.271	0.267	0.288	5.56
30)		1,2,4-Trichlor...	0.378	0.356	0.347	0.331	0.330	0.317	0.308	0.338	7.10
31)		Naphthalene	1.063	1.009	0.984	0.923	0.892	0.843	0.825	0.934	9.45
32)		Benzoic acid	0.115	0.131	0.157	0.168	0.173	0.188	0.193	0.161	17.94
33)		4-Chloroaniline	0.449	0.442	0.433	0.404	0.393	0.377	0.372	0.410	7.70
34)	C	Hexachlorobuta...	0.221	0.213	0.211	0.200	0.199	0.195	0.190	0.204	5.45
35)		Caprolactam	0.090	0.099	0.102	0.097	0.096	0.096	0.096	0.096	3.69
36)	C	4-Chloro-3-met...	0.282	0.297	0.295	0.283	0.276	0.272	0.267	0.282	3.97
37)		2-Methylnaphth...	0.631	0.691	0.674	0.634	0.614	0.586	0.559	0.627	7.37
38)		1-Methylnaphth...	0.628	0.654	0.636	0.587	0.576	0.542	0.524	0.592	8.26

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.693	0.682	0.687	0.618	0.617	0.576	0.559	0.633	8.72
41)	P	Hexachlorocycl...	0.129	0.170	0.227	0.224	0.237	0.267	0.256	0.216	22.80
42)	S	2,4,6-Tribromo...	0.157	0.235	0.240	0.220	0.222	0.210	0.210	0.213	12.88
43)	C	2,4,6-Trichlor...	0.391	0.401	0.417	0.382	0.384	0.380	0.374	0.390	3.81
44)		2,4,5-Trichlor...	0.405	0.413	0.438	0.396	0.399	0.391	0.375	0.402	4.85
45)	S	2-Fluorobiphenyl	1.529	1.434	1.378	1.180	1.118	1.042	0.972	1.236	17.15
46)		1,1'-Biphenyl	1.706	1.666	1.663	1.462	1.438	1.351	1.280	1.510	11.20
47)		2-Chloronaphth...	1.301	1.269	1.264	1.132	1.120	1.061	1.024	1.167	9.44
48)		2-Nitroaniline	0.280	0.292	0.305	0.280	0.277	0.277	0.268	0.283	4.35
49)		Acenaphthylene	1.941	1.921	1.911	1.721	1.698	1.609	1.528	1.761	9.37
50)		Dimethylphthalate	1.493	1.469	1.504	1.333	1.353	1.298	1.278	1.390	6.93
51)		2,6-Dinitrotol...	0.303	0.310	0.325	0.297	0.299	0.295	0.293	0.303	3.74
52)	C	Acenaphthene	1.251	1.145	1.143	1.075	1.002	0.953	0.911	1.068	11.28
53)		3-Nitroaniline	0.349	0.364	0.378	0.339	0.341	0.332	0.327	0.347	5.25
54)	P	2,4-Dinitrophenol	0.076	0.084	0.113	0.110	0.122			0.101	19.55
55)		Dibenzofuran	1.813	1.743	1.749	1.548	1.518	1.427	1.381	1.597	10.70
56)	P	4-Nitrophenol	0.199	0.217	0.238	0.224	0.227	0.223	0.224	0.222	5.38
57)		2,4-Dinitrotol...	0.393	0.410	0.436	0.396	0.407	0.388	0.383	0.402	4.44
58)		Fluorene	0.930	1.352	1.327	1.163	1.142	1.052	1.001	1.138	13.97
59)		2,3,4,6-Tetrac...	0.332	0.340	0.372	0.336	0.344	0.333	0.324	0.340	4.48
60)		Diethylphthalate	1.345	1.436	1.459	1.293	1.292	1.223	1.186	1.319	7.72
61)		4-Chlorophenyl...	0.522	0.707	0.709	0.619	0.616	0.567	0.544	0.612	12.14
62)		4-Nitroaniline	0.227	0.374	0.382	0.340	0.349	0.332	0.334	0.334	15.29
63)		Azobenzene	0.639	1.199	1.207	1.064	1.047	0.985	0.950	1.013	18.95
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.070	0.077	0.091	0.089	0.094	0.100	0.099	0.089	12.87
66)	c	n-Nitrosodiphe...	0.633	0.643	0.616	0.573	0.548	0.542	0.523	0.583	8.24
67)		4-Bromophenyl-...	0.261	0.230	0.232	0.217	0.212	0.215	0.209	0.225	7.97
68)		Hexachlorobenzene	0.314	0.261	0.264	0.239	0.242	0.241	0.230	0.256	11.13
69)		Atrazine	0.233	0.217	0.208	0.185	0.175	0.169	0.152	0.191	15.09
70)	C	Pentachlorophenol	0.085	0.092	0.108	0.105	0.107	0.110	0.113	0.103	10.14
71)		Phenanthrene	1.128	1.112	1.080	0.992	0.959	0.897	0.864	1.004	10.43
72)		Anthracene	1.118	1.107	1.061	0.982	0.946	0.899	0.858	0.996	10.26
73)		Carbazole	1.021	1.038	0.989	0.901	0.872	0.830	0.812	0.923	10.01
74)		Di-n-butylphth...	1.244	1.223	1.223	1.109	1.067	1.022	0.985	1.125	9.41
75)	C	Fluoranthene	1.305	1.250	1.211	1.114	1.071	0.987	0.959	1.128	11.72
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.660	0.624	0.634	0.623	0.538	0.540	0.434	0.579	13.71
78)		Pyrene	1.359	1.455	1.462	1.368	1.350	1.330	1.332	1.379	4.02
79)	S	Terphenyl-d14	1.144	1.110	1.056	0.941	0.908	0.893	0.863	0.988	11.47
80)		Butylbenzylpht...	0.542	0.598	0.636	0.605	0.595	0.621	0.609	0.601	4.91
81)		Benzo(a)anthra...	1.297	1.327	1.299	1.217	1.169	1.123	1.110	1.220	7.31
82)		3,3'-Dichlorob...	0.510	0.507	0.543	0.488	0.472	0.452	0.420	0.485	8.44
83)		Chrysene	1.226	1.274	1.271	1.196	1.148	1.155	1.114	1.198	5.21
84)		Bis(2-ethylhex...	0.788	0.813	0.813	0.752	0.722	0.725	0.679	0.756	6.73
85)	c	Di-n-octyl pht...	1.261	1.391	1.470	1.394	1.360	1.386	1.330	1.370	4.69
86)		Indeno(1,2,3-c...	1.504	1.447	1.541	1.482	1.471	1.517	1.510	1.496	2.11

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87)	I	Perylene-d12	----------ISTD----------							
88)		Benzo(b)fluora...	1.120	1.145	1.226	1.122	1.085	1.086	1.160	1.135	4.31
89)		Benzo(k)fluora...	1.200	1.170	1.139	1.084	1.053	1.009	0.907	1.080	9.38
90)	C	Benzo(a)pyrene	1.076	1.065	1.153	1.057	1.037	1.002	1.014	1.058	4.70
91)		Dibenzo(a,h)an...	1.078	1.061	1.086	1.025	0.996	0.961	0.974	1.026	4.93
92)		Benzo(g,h,i)pe...	1.071	1.038	1.082	1.040	1.020	1.006	1.040	1.042	2.55

(#) = Out of Range