Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM081623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 22 03:32:15 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM041418.D 5 =BM041419.D 10 =BM041420.D 20 =BM041421.D 40 =BM041440.D 50 =BM041423.D 60 =BM041424.D 80 =BM0414
25.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.553	0.539	0.570	0.482	0.486	0.486	0.460	0.511	8.24
3)		Pyridine		1.307	1.350	1.401	1.325	1.395	1.348	1.321	1.349	2.69
4)		n-Nitrosodimet...		0.676	0.623	0.628	0.597	0.624	0.616	0.592	0.622	4.38
5)	S	2-Fluorophenol		1.187	1.266	1.314	1.176	1.162	1.171	1.141	1.202	5.24
6)		Aniline		1.972	2.016	1.951	1.914	1.927	1.941	1.867	1.941	2.40
7)	S	Phenol-d6		1.633	1.704	1.658	1.592	1.618	1.640	1.582	1.632	2.52
8)		2-Chlorophenol		1.274	1.295	1.287	1.192	1.214	1.258	1.175	1.242	3.89
9)		Benzaldehyde		1.021	1.003	0.951	0.816	0.810	0.806		0.901	11.31
10)	C	Phenol		1.572	1.635	1.616	1.543	1.562	1.599	1.512	1.577	2.72
11)		bis(2-Chloroet...		1.283	1.319	1.277	1.203	1.244	1.291	1.215	1.262	3.36
12)		1,3-Dichlorobe...		1.445	1.456	1.465	1.317	1.328	1.374	1.279	1.381	5.47
13)	C	1,4-Dichlorobe...		1.466	1.456	1.473	1.340	1.340	1.390	1.305	1.396	4.99
14)		1,2-Dichlorobe...		1.415	1.411	1.405	1.301	1.308	1.330	1.261	1.347	4.65
15)		Benzyl Alcohol		1.027	1.152	1.106	1.177	1.206	1.251	1.193	1.159	6.35
16)		2,2'-oxybis(1-...		1.622	1.612	1.517	1.416	1.455	1.578	1.398	1.514	6.13
17)		2-Methylphenol		1.101	1.180	1.128	1.090	1.136	1.159	1.099	1.128	2.98
18)		Hexachloroethane		0.544	0.546	0.560	0.502	0.515	0.542	0.501	0.530	4.42
19)	P	n-Nitroso-di-n...	1.160	1.168	1.192	1.050	1.070	1.116	1.134	1.070	1.120	4.69
20)		3+4-Methylphenols		1.531	1.620	1.517	1.489	1.572	1.586	1.526	1.549	2.95
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.506	0.520	0.539	0.481	0.508	0.539	0.515	0.515	3.94
23)	S	Nitrobenzene-d5		0.404	0.413	0.439	0.397	0.414	0.446	0.420	0.419	4.23
24)		Nitrobenzene		0.389	0.418	0.440	0.399	0.415	0.447	0.420	0.418	4.94
25)		Isophorone		0.754	0.776	0.744	0.750	0.767	0.808	0.768	0.767	2.81
26)	C	2-Nitrophenol		0.163	0.172	0.187	0.180	0.188	0.198	0.191	0.183	6.49
27)		2,4-Dimethylph...		0.286	0.292	0.301	0.288	0.295	0.298	0.299	0.294	1.93
28)		bis(2-Chloroet...		0.452	0.452	0.447	0.428	0.437	0.464	0.445	0.446	2.59
29)	C	2,4-Dichloroph...		0.298	0.313	0.332	0.313	0.326	0.339	0.334	0.322	4.56
30)		1,2,4-Trichlor...		0.348	0.356	0.382	0.340	0.352	0.368	0.358	0.358	3.87
31)		Naphthalene		1.050	1.056	1.087	0.996	1.011	1.058	1.020	1.040	3.05
32)		Benzoic acid			0.187	0.206	0.237	0.252	0.263	0.272	0.236	14.16
33)		4-Chloroaniline		0.410	0.435	0.438	0.432	0.449	0.454	0.455	0.439	3.53
34)	C	Hexachlorobuta...		0.232	0.238	0.248	0.224	0.234	0.244	0.237	0.237	3.34
35)		Caprolactam		0.097	0.102	0.091	0.098	0.106	0.100	0.106	0.100	5.29
36)	C	4-Chloro-3-met...		0.330	0.350	0.332	0.335	0.351	0.349	0.354	0.343	2.97
37)		2-Methylnaphth...		0.762	0.786	0.749	0.727	0.755	0.765	0.753	0.757	2.35
38)		1-Methylnaphth...		0.733	0.744	0.700	0.691	0.709	0.715	0.712	0.715	2.57

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.631	0.632	0.700	0.625	0.625	0.689	0.665	0.653	4.94
41)	P	Hexachlorocycl...		0.201	0.277	0.302	0.317	0.348	0.364	0.301	19.42
42)	S	2,4,6-Tribromo...	0.309	0.320	0.313	0.298	0.323	0.323	0.337	0.317	3.88
43)	C	2,4,6-Trichlor...	0.404	0.424	0.455	0.424	0.432	0.463	0.455	0.437	4.93
44)		2,4,5-Trichlor...	0.465	0.485	0.526	0.490	0.506	0.535	0.532	0.506	5.29
45)	S	2-Fluorobiphenyl	1.481	1.485	1.583	1.434	1.431	1.553	1.481	1.493	3.82
46)		1,1'-Biphenyl	1.497	1.500	1.591	1.458	1.452	1.557	1.510	1.509	3.32
47)		2-Chloronaphth...	1.133	1.149	1.222	1.116	1.127	1.204	1.169	1.160	3.48
48)		2-Nitroaniline	0.326	0.360	0.378	0.386	0.395	0.407	0.402	0.379	7.46
49)		Acenaphthylene	1.823	1.870	1.963	1.823	1.854	1.933	1.893	1.880	2.83
50)		Dimethylphthalate	1.586	1.593	1.563	1.491	1.544	1.574	1.581	1.562	2.25
51)		2,6-Dinitrotol...	0.322	0.338	0.330	0.327	0.337	0.344	0.345	0.335	2.63
52)	C	Acenaphthene	1.119	1.132	1.159	1.081	1.104	1.149	1.126	1.124	2.35
53)		3-Nitroaniline	0.292	0.319	0.330	0.333	0.353	0.349	0.360	0.334	6.98
54)	P	2,4-Dinitrophenol		0.171	0.181	0.205	0.227	0.230	0.242	0.209	13.72
55)		Dibenzofuran	1.896	1.914	1.933	1.799	1.852	1.912	1.892	1.885	2.43
56)	P	4-Nitrophenol		0.215	0.223	0.249	0.277	0.264	0.281	0.251	10.91
57)		2,4-Dinitrotol...	0.422	0.455	0.440	0.444	0.480	0.468	0.493	0.457	5.42
58)		Fluorene	1.524	1.543	1.523	1.432	1.499	1.527	1.529	1.511	2.47
59)		2,3,4,6-Tetrac...	0.422	0.445	0.428	0.413	0.428	0.431	0.441	0.430	2.51
60)		Diethylphthalate	1.574	1.603	1.519	1.497	1.574	1.561	1.595	1.560	2.49
61)		4-Chlorophenyl...	0.820	0.819	0.817	0.767	0.804	0.836	0.839	0.815	2.97
62)		4-Nitroaniline	0.239	0.287	0.292	0.309	0.343	0.320	0.343	0.305	11.99
63)		Azobenzene	1.499	1.585	1.565	1.552	1.598	1.596	1.609	1.572	2.41
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.099	0.116	0.127	0.129	0.139	0.142	0.143	0.128	12.50
66)	c	n-Nitrosodiphe...	0.566	0.581	0.617	0.572	0.579	0.623	0.583	0.589	3.76
67)		4-Bromophenyl-...	0.219	0.222	0.239	0.221	0.225	0.245	0.234	0.229	4.38
68)		Hexachlorobenzene	0.246	0.246	0.261	0.239	0.246	0.263	0.251	0.250	3.47
69)		Atrazine	0.191	0.195	0.185	0.163	0.157	0.135	0.143	0.167	14.16
70)	C	Pentachlorophenol	0.156	0.171	0.180	0.172	0.179	0.183	0.184	0.175	5.52
71)		Phenanthrene	1.056	1.058	1.101	1.017	1.037	1.081	1.039	1.056	2.68
72)		Anthracene	1.038	1.055	1.114	1.039	1.062	1.107	1.078	1.071	2.86
73)		Carbazole	0.924	0.959	0.988	0.927	0.965	0.955	0.950	0.953	2.32
74)		Di-n-butylphth...	1.142	1.191	1.193	1.164	1.250	1.208	1.227	1.197	3.03
75)	C	Fluoranthene	1.275	1.304	1.308	1.194	1.277	1.193	1.247	1.257	3.82
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.244	0.259	0.241	0.243	0.220	0.168		0.229	14.20
78)		Pyrene	1.300	1.348	1.386	1.489	1.372	1.652	1.466	1.430	8.23
79)	S	Terphenyl-d14	1.057	1.095	1.099	1.223	1.108	1.316	1.147	1.149	7.85
80)		Butylbenzylpht...	0.509	0.538	0.545	0.586	0.592	0.633	0.606	0.573	7.58
81)		Benzo(a)anthra...	1.347	1.366	1.397	1.315	1.361	1.408	1.367	1.366	2.26
82)		3,3'-Dichlorob...	0.427	0.452	0.478	0.432	0.448	0.432	0.423	0.442	4.41
83)		Chrysene	1.294	1.303	1.333	1.236	1.268	1.338	1.315	1.298	2.79
84)		Bis(2-ethylhex...	0.761	0.794	0.791	0.797	0.855	0.859	0.839	0.814	4.56
85)	c	Di-n-octyl pht...	1.318	1.320	1.371	1.225	1.384	1.343	1.354	1.331	3.96

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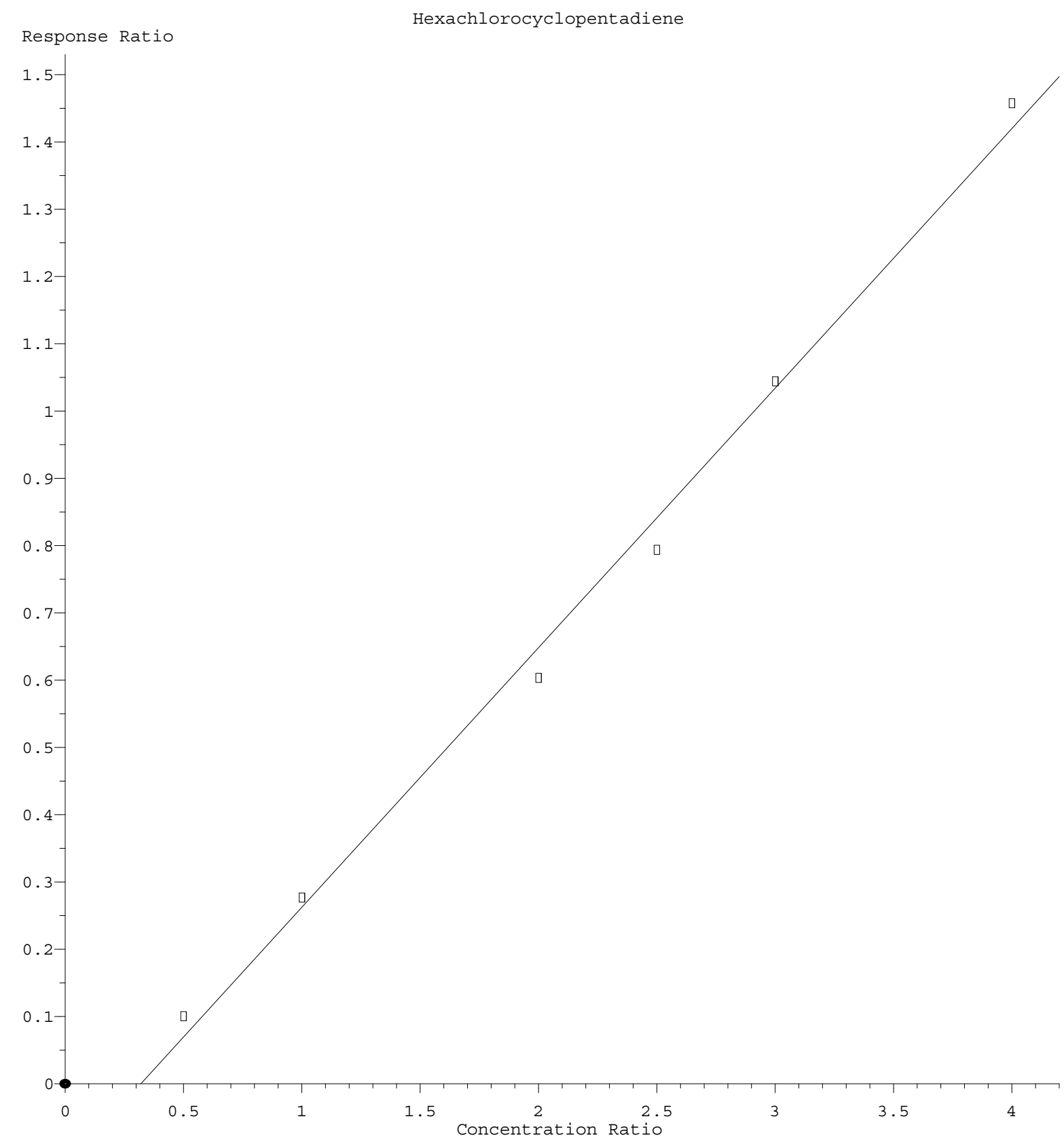
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.311	1.257	1.466	1.236	1.144	1.419	1.283	1.302	8.42
88)		Benzo(b)fluora...	1.162	1.156	1.155	1.180	1.238	1.235	1.220	1.192	3.15
89)		Benzo(k)fluora...	1.143	1.211	1.226	1.146	1.199	1.234	1.274	1.205	3.92
90)	C	Benzo(a)pyrene	1.104	1.121	1.156	1.091	1.135	1.181	1.158	1.135	2.82
91)		Dibenzo(a,h)an...	1.109	1.045	1.225	1.032	0.972	1.202	1.081	1.095	8.36
92)		Benzo(g,h,i)pe...	1.085	1.015	1.205	1.022	0.897	1.159	1.027	1.059	9.63

(#) = Out of Range



Response = 3.859e-001 * Amt - 1.236e-001
Coef of Det (r^2) = 0.994426 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM081623.M
Calibration Table Last Updated: Tue Aug 22 03:32:15 2023