Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM082219MA.M
Title : SVOA CALIBRATION
Last Update : Fri Aug 23 13:10:05 2019
Response Via : Initial Calibration

Calibration Files
5 =BM022240.D 10 =BM022241.D 20 =BM022242.D
40 =BM022243.D 80 =BM022244.D 160 =BM022245.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.450	0.467	0.466	0.530	0.482		0.479	6.43
3)	S	1,4-Dioxane-d8	0.401	0.400	0.434	0.513	0.487		0.447	11.45
4)		Benzaldehyde		0.807	1.264	1.006	1.043	0.848	0.994	18.25
5)	S	Phenol-d5		1.425	1.675	1.865	1.841	1.825	1.726	10.68
6)		Phenol		1.508	1.742	2.016	1.987	1.988	1.848	11.90
7)	S	Bis-(2-Chloroethy		0.879	0.994	1.093	1.046	1.010	1.004	7.95
8)		Bis(2-Chloroethyl		1.192	1.317	1.477	1.382	1.360	1.346	7.73
9)	S	2-Chlorophenol-d4	1.248	1.218	1.418	1.571	1.513		1.394	11.26
10)		2-Chlorophenol	1.266	1.273	1.449	1.633	1.614		1.447	12.26
11)		2-Methylphenol		1.233	1.387	1.584	1.547	1.526	1.456	9.97
12)		2,2'-oxybis(1-Chl		1.625	1.801	1.888	1.760	1.694	1.754	5.72
13)	S	4-Methylphenol-d8		1.187	1.514	1.610	1.600	1.569	1.496	11.82
14)		Acetophenone		2.193	2.435	2.775	2.747	2.781	2.586	10.19
15)	P	N-Nitroso-di-n-pr	1.154	1.196	1.287	1.468	1.439		1.309	10.77
16)		4-Methylphenol		1.354	1.501	1.759	1.711	1.677	1.600	10.54
17)		Hexachloroethane	0.654	0.655	0.694	0.795	0.748		0.709	8.69
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.123	0.138	0.153	0.170	0.162		0.149	12.82
20)		Nitrobenzene	0.393	0.424	0.445	0.477	0.456		0.439	7.29
21)		Isophorone	0.737	0.763	0.780	0.881	0.841		0.800	7.35
22)	S	2-Nitrophenol-d4	0.126	0.160	0.179	0.205	0.198		0.174	18.28
23)	C	2-Nitrophenol	0.142	0.176	0.196	0.222	0.217		0.191	17.19
24)		2,4-Dimethylpheno	0.397	0.423	0.445	0.494	0.477		0.447	8.79
25)		Bis(2-Chloroethox	0.384	0.403	0.440	0.479	0.455		0.432	8.94
26)	S	2,4-Dichloropheno	0.292	0.311	0.367	0.400	0.397		0.353	14.07
27)	C	2,4-Dichloropheno	0.294	0.326	0.353	0.410	0.407		0.358	14.11
28)		Naphthalene	1.063	1.062	1.081	1.188	1.124		1.104	4.82
29)	S	4-Chloroaniline-d		0.371	0.446	0.482	0.445	0.404	0.430	9.99
30)		4-Chloroaniline		0.383	0.441	0.509	0.471	0.432	0.447	10.46
31)	C	Hexachlorobutadie	0.335	0.327	0.331	0.366	0.358		0.343	5.13
32)		Caprolactam		0.084	0.134	0.119	0.116	0.103	0.111	16.73
33)	C	4-Chloro-3-methyl	0.345	0.357	0.395	0.446	0.433		0.395	11.30
34)		2-Methylnaphthale	0.799	0.806	0.831	0.919	0.897		0.850	6.38
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.776	0.769	0.792	0.905	0.894		0.827	8.08
37)		Hexachlorocyclope		0.186	0.277	0.424	0.479	0.554	0.384	39.10
38)	C	2,4,6-Trichloroph	0.376	0.399	0.459	0.547	0.541		0.464	17.01
39)		2,4,5-Trichloroph	0.447	0.466	0.478	0.578	0.571		0.508	12.19
40)		1,1'-Biphenyl	1.542	1.511	1.564	1.793	1.728		1.628	7.69
41)		2-Chloronaphthale	1.199	1.167	1.252	1.375	1.351		1.269	7.22
42)		2-Nitroaniline	0.299	0.339	0.390	0.463	0.447		0.388	17.94
43)	S	Dimethylphthalate	1.678	1.638	1.745	1.899	1.847		1.761	6.27
44)		Dimethylphthalate	1.703	1.661	1.752	1.960	1.885		1.792	7.04
45)		2,6-Dinitrotoluen	0.311	0.300	0.342	0.388	0.379		0.344	11.46
46)	S	Acenaphthylene-d8	1.690	1.716	2.016	2.063	2.002		1.897	9.45
47)		Acenaphthylene	1.855	1.810	1.850	2.183	2.139		1.967	9.06
48)		3-Nitroaniline		0.203	0.308	0.329	0.321	0.303	0.293	17.48
49)	C	Acenaphthene	1.353	1.287	1.348	1.514	1.481		1.397	6.91
50)		2,4-Dinitrophenol		0.118	0.157	0.226	0.249	0.280	0.206	32.38
51)	S	4-Nitrophenol-d4		0.161	0.239	0.292	0.295	0.317	0.261	23.99

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.327	0.395	0.476	0.472	0.499	0.434	16.49
53)		Dibenzofuran	1.946	1.901	1.969	2.273	2.312		2.080	9.42
54)		2,4-Dinitrotoluen	0.436	0.465	0.515	0.608	0.636		0.532	16.44
55)		2,3,4,6-Tetrachlo	0.423	0.456	0.502	0.590	0.605		0.515	15.57
56)		Diethylphthalate	1.789	1.799	1.855	2.118	2.050		1.922	7.90
57)	S	Fluorene-d10	1.381	1.319	1.428	1.578	1.597		1.461	8.36
58)		Fluorene	1.547	1.521	1.638	1.934	2.120		1.752	15.03
59)		4-Chlorophenyl-ph	0.938	0.908	0.998	1.194	1.325		1.073	16.77
60)		4-Nitroaniline		0.198	0.309	0.321	0.344	0.349	0.304	20.29
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.102	0.132	0.160	0.176	0.202	0.154	25.20
63)		4,6-Dinitro-2-met		0.111	0.132	0.175	0.192	0.218	0.166	26.52
64)		N-Nitrosodiphenyl	0.575	0.570	0.580	0.684	0.706		0.623	10.66
65)		4-Bromophenyl-phe	0.258	0.256	0.266	0.320	0.331		0.286	12.71
66)		Hexachlorobenzene	0.287	0.283	0.299	0.355	0.371		0.319	12.78
67)		Atrazine		0.265	0.342	0.329	0.332	0.355	0.325	10.76
68)	C	Pentachlorophenol		0.136	0.157	0.201	0.220	0.249	0.193	23.85#
69)		Phenanthrene	1.107	1.092	1.122	1.313	1.349		1.196	10.35
70)	S	Anthracene-d10	0.967	0.943	1.032	1.141	1.212		1.059	10.87
71)		Anthracene	1.106	1.129	1.153	1.382	1.455		1.245	12.96
72)		1,2,3,4-Tetrachlo	0.333	0.330	0.332	0.394	0.390		0.356	9.31
73)		Pentachlorobenzen	0.358	0.351	0.369	0.418	0.433		0.386	9.67
74)		Carbazole		0.955	0.992	1.163	1.192	1.321	1.125	13.42
75)		Di-n-butylphthala	1.309	1.307	1.372	1.587	1.608		1.437	10.40
76)	C	Fluoranthene		1.477	1.553	1.815	1.942	2.228	1.803	16.83
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.980	0.950	1.036	1.131	1.101		1.039	7.41
79)		Pyrene	1.210	1.177	1.231	1.420	1.434		1.295	9.48
80)		Butylbenzylphthal	0.515	0.512	0.533	0.606	0.574		0.548	7.40
81)		3,3'-Dichlorobenz		0.402	0.503	0.568	0.589	0.539	0.520	14.12
82)		Benzo(a)anthracen	1.398	1.361	1.442	1.654	1.671		1.505	9.72
83)		Bis(2-ethylhexyl)	0.800	0.753	0.791	0.897	0.880		0.824	7.47
84)		Chrysene	1.336	1.265	1.316	1.538	1.582		1.407	10.14
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.154	1.257	1.482	1.588	1.931	1.482	20.56
87)		Benzo(b)fluoranth	1.198	1.210	1.313	1.568	1.668		1.391	15.43
88)		Benzo(k)fluoranth	1.162	1.165	1.249	1.494	1.677		1.349	16.87
89)	S	Benzo(a)pyrene-d1	0.981	0.982	1.053	1.211	1.266		1.099	12.03
90)	C	Benzo(a)pyrene	1.160	1.171	1.236	1.464	1.599		1.326	14.77
91)		Indeno(1,2,3-cd)p	1.358	1.379	1.492	1.702	1.768		1.540	12.12
92)		Dibenzo(a,h)anthr	1.117	1.141	1.248	1.456	1.574		1.307	15.34
93)		Benzo(g,h,i)peryl	1.138	1.127	1.176	1.254	1.179		1.175	4.25

(#) = Out of Range