Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
Method File : SOM-EPA-BM080720MA.M
Title : SVOA CALIBRATION
Last Update : Fri Aug 07 03:56:08 2020
Response Via : Initial Calibration

Calibration Files
5 =BM027010.D 10 =BM027011.D 20 =BM027012.D
40 =BM027013.D 80 =BM027014.D 160 =BM027015.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.619	0.572	0.543	0.522	0.541		0.559	6.78
3)	S	1,4-Dioxane-d8	0.422	0.447	0.445	0.425	0.461		0.440	3.72
4)		Benzaldehyde		1.245	1.240	1.249	1.272	2.554	1.512	38.53
5)	S	Phenol-d5		1.472	1.531	1.546	1.700	1.528	1.555	5.49
6)		Phenol		1.599	1.613	1.619	1.760	1.607	1.640	4.14
7)	S	Bis-(2-Chloroethy		1.059	1.036	1.056	1.136	1.040	1.065	3.80
8)		Bis(2-Chloroethyl		1.317	1.307	1.341	1.460	1.342	1.353	4.53
9)	S	2-Chlorophenol-d4	1.135	1.179	1.197	1.248	1.374		1.227	7.47
10)		2-Chlorophenol	1.194	1.254	1.291	1.282	1.389		1.282	5.51
11)		2-Methylphenol		1.096	1.167	1.201	1.314	1.177	1.191	6.63
12)		2,2'-oxybis(1-Chl		1.006	0.992	1.026	1.109	1.023	1.031	4.44
13)	S	4-Methylphenol-d8		1.114	1.183	1.220	1.337	1.209	1.212	6.66
14)		Acetophenone		2.019	1.999	2.020	2.190	1.961	2.038	4.35
15)	P	N-Nitroso-di-n-pr	1.091	1.159	1.170	1.198	1.293		1.182	6.22
16)		4-Methylphenol		1.212	1.246	1.284	1.399	1.258	1.280	5.58
17)		Hexachloroethane	0.644	0.632	0.622	0.628	0.679		0.641	3.55
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.141	0.159	0.162	0.158	0.172		0.159	6.93
20)		Nitrobenzene	0.493	0.537	0.531	0.494	0.533		0.518	4.24
21)		Isophorone	0.685	0.849	0.859	0.825	0.889		0.821	9.69
22)	S	2-Nitrophenol-d4	0.131	0.154	0.169	0.171	0.196		0.164	14.47
23)	C	2-Nitrophenol	0.141	0.182	0.191	0.188	0.210		0.182	13.99
24)		2,4-Dimethylpheno	0.356	0.433	0.435	0.413	0.442		0.416	8.41
25)		Bis(2-Chloroethox	0.386	0.443	0.503	0.476	0.519		0.465	11.39
26)	S	2,4-Dichloropheno	0.282	0.336	0.343	0.364	0.401		0.345	12.54
27)	C	2,4-Dichloropheno	0.305	0.349	0.337	0.358	0.387		0.347	8.62
28)		Naphthalene	1.070	1.141	1.088	1.087	1.172		1.112	3.87
29)	S	4-Chloroaniline-d		0.385	0.373	0.411	0.429	0.408	0.401	5.55
30)		4-Chloroaniline		0.389	0.381	0.416	0.426	0.410	0.404	4.65
31)	C	Hexachlorobutadie	0.290	0.315	0.280	0.280	0.298		0.293	4.98
32)		Caprolactam		0.089	0.095	0.096	0.109	0.094	0.097	7.91
33)	C	4-Chloro-3-methyl	0.319	0.360	0.380	0.371	0.405		0.367	8.52
34)		2-Methylnaphthale	0.743	0.838	0.836	0.797	0.862		0.815	5.69
35)		1-Methylnaphthale	0.746	0.812	0.825	0.783	0.847		0.803	4.88
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.719	0.730	0.724	0.729	0.799		0.740	4.51
38)		Hexachlorocyclope		0.452	0.456	0.483	0.548	0.501	0.488	8.00
39)	C	2,4,6-Trichloroph	0.392	0.417	0.426	0.440	0.499		0.435	9.19
40)		2,4,5-Trichloroph	0.412	0.430	0.468	0.475	0.530		0.463	9.86
41)		1,1'-Biphenyl	1.575	1.640	1.598	1.606	1.752		1.634	4.27
42)		2-Chloronaphthale	1.299	1.311	1.297	1.302	1.417		1.325	3.88
43)		2-Nitroaniline	0.317	0.356	0.382	0.409	0.456		0.384	13.74
44)	S	Dimethylphthalate	1.528	1.590	1.558	1.580	1.719		1.595	4.61
45)		Dimethylphthalate	1.584	1.679	1.644	1.653	1.796		1.671	4.67
46)		2,6-Dinitrotoluen	0.269	0.292	0.315	0.334	0.381		0.318	13.40
47)	S	Acenaphthylene-d8	1.720	1.876	1.862	1.929	2.115		1.900	7.52
48)		Acenaphthylene	1.803	1.932	1.910	1.920	2.096		1.932	5.44
49)		3-Nitroaniline		0.241	0.263	0.301	0.320	0.289	0.283	11.10
50)	C	Acenaphthene	1.293	1.367	1.352	1.358	1.477		1.369	4.89
51)		2,4-Dinitrophenol		0.132	0.142	0.171	0.207	0.175	0.165	17.96

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.229	0.262	0.280	0.306	0.269	0.269	10.35
53)		4-Nitrophenol		0.279	0.288	0.292	0.305	0.269	0.287	4.74
54)		Dibenzofuran	1.866	1.961	1.946	1.935	2.091		1.960	4.19
55)		2,4-Dinitrotoluen	0.365	0.439	0.461	0.497	0.548		0.462	14.72
56)		2,3,4,6-Tetrachlo	0.352	0.401	0.411	0.435	0.487		0.417	11.86
57)		Diethylphthalate	1.579	1.708	1.677	1.563	1.856		1.676	7.03
58)	S	Fluorene-d10	1.318	1.392	1.394	1.311	1.536		1.390	6.51
59)		Fluorene	1.558	1.633	1.639	1.535	1.835		1.640	7.20
60)		4-Chlorophenyl-ph	0.860	0.877	0.884	0.855	0.993		0.894	6.33
61)		4-Nitroaniline		0.300	0.318	0.311	0.372	0.314	0.323	8.70
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.088	0.097	0.108	0.134	0.119	0.109	16.52
64)		4,6-Dinitro-2-met		0.098	0.110	0.119	0.148	0.130	0.121	15.93
65)		N-Nitrosodiphenyl	0.573	0.601	0.608	0.547	0.666		0.599	7.45
66)		4-Bromophenyl-phe	0.238	0.249	0.243	0.243	0.278		0.250	6.41
67)		Hexachlorobenzene	0.288	0.295	0.283	0.287	0.314		0.293	4.26
68)		Atrazine		0.225	0.233	0.244	0.269	0.244	0.243	6.93
69)	C	Pentachlorophenol		0.139	0.153	0.163	0.191	0.168	0.163	11.85
70)		Phenanthrene	1.146	1.194	1.181	1.180	1.294		1.199	4.68
71)	S	Anthracene-d10	0.931	0.980	0.968	0.978	1.069		0.985	5.18
72)		Anthracene	1.156	1.221	1.196	1.202	1.325		1.220	5.18
73)		1,2,3,4-Tetrachlo	0.310	0.310	0.303	0.303	0.338		0.313	4.63
74)		Pentachlorobenzen	0.327	0.327	0.317	0.315	0.346		0.326	3.74
75)		Carbazole		0.991	1.009	1.024	1.117	1.008	1.030	4.89
76)		Di-n-butylphthala	1.104	1.209	1.255	1.306	1.435		1.262	9.70
77)	C	Fluoranthene		1.407	1.414	1.446	1.599	1.403	1.454	5.71
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.919	0.973	0.950	1.002	1.145		0.998	8.80
80)		Pyrene	1.259	1.335	1.309	1.351	1.533		1.358	7.66
81)		Butylbenzylphthal	0.392	0.455	0.492	0.538	0.618		0.499	17.13
82)		3,3'-Dichlorobenz		0.375	0.419	0.473	0.528	0.461	0.451	12.78
83)		Benzo(a)anthracen	1.246	1.315	1.336	1.357	1.478		1.346	6.30
84)		Bis(2-ethylhexyl)	0.593	0.711	0.741	0.813	0.911		0.754	15.71
85)		Chrysene	1.261	1.312	1.294	1.311	1.430		1.322	4.86
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.106	1.199	1.377	1.576	1.433	1.338	14.01
88)		Benzo(b)fluoranth	1.230	1.320	1.369	1.419	1.606		1.389	10.10
89)		Benzo(k)fluoranth	1.239	1.358	1.332	1.380	1.573		1.376	8.88
90)	S	Benzo(a)pyrene-d1	0.973	1.057	1.100	1.148	1.305		1.116	11.04
91)	C	Benzo(a)pyrene	1.126	1.203	1.245	1.290	1.455		1.264	9.72
92)		Indeno(1,2,3-cd)p	1.551	1.575	1.561	1.605	1.851		1.629	7.75
93)		Dibenzo(a,h)anthr	1.314	1.354	1.316	1.353	1.560		1.379	7.47
94)		Benzo(g,h,i)peryl	1.284	1.305	1.300	1.323	1.514		1.345	7.11

(#) = Out of Range