

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021049.D
 Acq On : 08 Mar 2021 10:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 09 01:02:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	130	0.00
2 T	Dichlorodifluoromethane	0.541	0.481	11.1	113	0.00
3 P	Chloromethane	0.601	0.582	3.2	124	0.00
4 C	Vinyl Chloride	0.692	0.658	4.9#	122	0.00
5 T	Bromomethane	0.249	0.238	4.4	141	0.00
6 T	Chloroethane	0.433	0.426	1.6	126	0.00
7 T	Trichlorofluoromethane	0.873	0.833	4.6	124	0.00
8 T	Diethyl Ether	0.405	0.378	6.7	122	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.538	0.514	4.5	123	0.00
10 T	Methyl Iodide	0.723	0.680	5.9	114	0.00
11 T	Tert butyl alcohol	0.150	0.110	26.7#	92	0.00
12 CM	1,1-Dichloroethene	0.560	0.519	7.3#	119	0.00
13 T	Acrolein	0.093	0.089	4.3	128	0.00
14 T	Allyl chloride	0.914	0.824	9.8	115	0.00
15 T	Acrylonitrile	0.321	0.287	10.6	114	0.00
16 T	Acetone	0.278	0.241	13.3	117	0.00
17 T	Carbon Disulfide	1.594	1.420	10.9	114	0.00
18 T	Methyl Acetate	0.658	0.587	10.8	113	0.00
19 T	Methyl tert-butyl Ether	1.999	1.845	7.7	117	0.00
20 T	Methylene Chloride	0.668	0.619	7.3	124	0.00
21 T	trans-1,2-Dichloroethene	0.629	0.576	8.4	119	0.00
22 T	Diisopropyl ether	1.839	1.719	6.5	120	-0.01
23 T	Vinyl Acetate	1.572	1.433	8.8	115	0.00
24 P	1,1-Dichloroethane	1.083	1.039	4.1	124	0.00
25 T	2-Butanone	0.423	0.366	13.5	112	0.00
26 T	2,2-Dichloropropane	0.984	0.880	10.6	115	0.00
27 T	cis-1,2-Dichloroethene	0.724	0.667	7.9	119	0.00
28 T	Bromochloromethane	0.463	0.432	6.7	121	0.00
29 T	Tetrahydrofuran	0.271	0.232	14.4	110	0.00
30 C	Chloroform	1.091	1.033	5.3#	122	0.00
31 T	Cyclohexane	0.978	0.905	7.5	118	0.00
32 T	1,1,1-Trichloroethane	0.950	0.884	6.9	120	0.00
33 S	1,2-Dichloroethane-d4	0.675	0.597	11.6	115	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
35 S	Dibromofluoromethane	0.304	0.302	0.7	118	0.00
36 T	1,1-Dichloropropene	0.475	0.484	-1.9	120	0.00
37 T	Ethyl Acetate	0.452	0.430	4.9	110	0.00
38 T	Carbon Tetrachloride	0.460	0.459	0.2	121	0.00
39 T	Methylcyclohexane	0.596	0.605	-1.5	122	0.00
40 TM	Benzene	1.424	1.446	-1.5	120	0.00
41 T	Methacrylonitrile	0.254	0.241	5.1	111	-0.01
42 TM	1,2-Dichloroethane	0.474	0.495	-4.4	122	0.00
43 T	Isopropyl Acetate	0.769	0.730	5.1	111	0.00
44 TM	Trichloroethene	0.375	0.402	-7.2	127	0.00
45 C	1,2-Dichloropropane	0.357	0.377	-5.6#	124	0.00
46 T	Dibromomethane	0.240	0.247	-2.9	121	0.00
47 T	Bromodichloromethane	0.501	0.521	-4.0	123	0.00
48 T	Methyl methacrylate	0.386	0.379	1.8	114	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.008	11.1	97	0.00
50 S	Toluene-d8	1.185	1.196	-0.9	121	0.00
51 T	4-Methyl-2-Pentanone	0.448	0.439	2.0	113	0.00
52 CM	Toluene	0.887	0.940	-6.0#	125	0.00
53 T	t-1,3-Dichloropropene	0.561	0.590	-5.2	120	0.00
54 T	cis-1,3-Dichloropropene	0.615	0.647	-5.2	123	0.00
55 T	1,1,2-Trichloroethane	0.351	0.379	-8.0	126	0.00
56 T	Ethyl methacrylate	0.567	0.575	-1.4	118	0.00
57 T	1,3-Dichloropropane	0.601	0.642	-6.8	124	0.00
58 T	2-Chloroethyl Vinyl ether	0.277	0.291	-5.1	118	0.00
59 T	2-Hexanone	0.336	0.323	3.9	111	0.00
60 T	Dibromochloromethane	0.370	0.424	-14.6	130	0.00
61 T	1,2-Dibromoethane	0.367	0.396	-7.9	127	0.00
62 S	4-Bromofluorobenzene	0.438	0.437	0.2	115	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	125	0.00
64 T	Tetrachloroethene	0.361	0.413	-14.4	142	0.00
65 PM	Chlorobenzene	1.053	1.104	-4.8	128	0.00
66 T	1,1,1,2-Tetrachloroethane	0.388	0.406	-4.6	126	0.00
67 C	Ethyl Benzene	1.909	1.988	-4.1#	128	0.00
68 T	m/p-Xylenes	0.703	0.755	-7.4	133	0.00
69 T	o-Xylene	0.686	0.727	-6.0	128	0.00
70 T	Styrene	1.176	1.265	-7.6	130	0.00
71 P	Bromoform	0.300	0.327	-9.0	135	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00
73 T	Isopropylbenzene	3.949	3.907	1.1	132	0.00
74 T	N-amyl acetate	1.599	1.399	12.5	112	0.00
75 P	1,1,2,2-Tetrachloroethane	1.273	1.171	8.0	120	0.00
76 T	1,2,3-Trichloropropane	1.076	1.018	5.4	122	0.00
77 T	Bromobenzene	0.919	0.933	-1.5	131	0.00
78 T	n-propylbenzene	4.504	4.482	0.5	129	0.00
79 T	2-Chlorotoluene	2.729	2.657	2.6	129	0.00
80 T	1,3,5-Trimethylbenzene	3.286	3.180	3.2	124	0.00
81 T	trans-1,4-Dichloro-2-butene	0.486	0.432	11.1	114	0.00
82 T	4-Chlorotoluene	3.145	3.052	3.0	126	0.00
83 T	tert-Butylbenzene	3.197	3.020	5.5	126	0.00
84 T	1,2,4-Trimethylbenzene	3.336	3.263	2.2	126	0.00
85 T	sec-Butylbenzene	3.768	3.732	1.0	127	0.00
86 T	p-Isopropyltoluene	3.453	3.400	1.5	127	0.00
87 T	1,3-Dichlorobenzene	1.645	1.706	-3.7	136	0.00
88 T	1,4-Dichlorobenzene	1.676	1.690	-0.8	133	0.00
89 T	n-Butylbenzene	3.083	3.012	2.3	126	0.00
90 T	Hexachloroethane	0.659	0.620	5.9	121	0.00
91 T	1,2-Dichlorobenzene	1.606	1.644	-2.4	129	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.292	0.249	14.7	111	0.00
93 T	1,2,4-Trichlorobenzene	1.030	1.064	-3.3	130	0.00
94 T	Hexachlorobutadiene	0.413	0.417	-1.0	132	0.00
95 T	Naphthalene	3.667	3.533	3.7	119	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.023	1.051	-2.7	131	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	130	0.00
2 T	Dichlorodifluoromethane	50.000	44.470	11.1	113	0.00
3 P	Chloromethane	50.000	48.439	3.1	124	0.00
4 C	Vinyl Chloride	50.000	47.607	4.8#	122	0.00
5 T	Bromomethane	50.000	51.840	-3.7	141	0.00
6 T	Chloroethane	50.000	49.206	1.6	126	0.00
7 T	Trichlorofluoromethane	50.000	47.686	4.6	124	0.00
8 T	Diethyl Ether	50.000	46.604	6.8	122	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.802	4.4	123	0.00
10 T	Methyl Iodide	50.000	47.042	5.9	114	0.00
11 T	Tert butyl alcohol	250.000	182.127	27.1#	92	0.00
12 CM	1,1-Dichloroethene	50.000	46.401	7.2#	119	0.00
13 T	Acrolein	250.000	239.535	4.2	128	0.00
14 T	Allyl chloride	50.000	45.045	9.9	115	0.00
15 T	Acrylonitrile	250.000	223.871	10.5	114	0.00
16 T	Acetone	250.000	216.274	13.5	117	0.00
17 T	Carbon Disulfide	50.000	44.519	11.0	114	0.00
18 T	Methyl Acetate	50.000	44.590	10.8	113	0.00
19 T	Methyl tert-butyl Ether	50.000	46.139	7.7	117	0.00
20 T	Methylene Chloride	50.000	46.343	7.3	124	0.00
21 T	trans-1,2-Dichloroethene	50.000	45.825	8.3	119	0.00
22 T	Diisopropyl ether	50.000	46.739	6.5	120	-0.01
23 T	Vinyl Acetate	250.000	227.817	8.9	115	0.00
24 P	1,1-Dichloroethane	50.000	47.949	4.1	124	0.00
25 T	2-Butanone	250.000	216.551	13.4	112	0.00
26 T	2,2-Dichloropropane	50.000	44.725	10.5	115	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.024	8.0	119	0.00
28 T	Bromochloromethane	50.000	46.600	6.8	121	0.00
29 T	Tetrahydrofuran	250.000	213.439	14.6	110	0.00
30 C	Chloroform	50.000	47.347	5.3#	122	0.00
31 T	Cyclohexane	50.000	46.297	7.4	118	0.00
32 T	1,1,1-Trichloroethane	50.000	46.500	7.0	120	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.186	11.6	115	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	118	0.00
35 S	Dibromofluoromethane	50.000	49.769	0.5	118	0.00
36 T	1,1-Dichloropropene	50.000	50.883	-1.8	120	0.00
37 T	Ethyl Acetate	50.000	47.526	4.9	110	0.00
38 T	Carbon Tetrachloride	50.000	49.817	0.4	121	0.00
39 T	Methylcyclohexane	50.000	50.747	-1.5	122	0.00
40 TM	Benzene	50.000	50.758	-1.5	120	0.00
41 T	Methacrylonitrile	50.000	47.469	5.1	111	-0.01
42 TM	1,2-Dichloroethane	50.000	52.274	-4.5	122	0.00
43 T	Isopropyl Acetate	50.000	47.463	5.1	111	0.00
44 TM	Trichloroethene	50.000	53.664	-7.3	127	0.00
45 C	1,2-Dichloropropane	50.000	52.744	-5.5#	124	0.00
46 T	Dibromomethane	50.000	51.296	-2.6	121	0.00
47 T	Bromodichloromethane	50.000	51.987	-4.0	123	0.00
48 T	Methyl methacrylate	50.000	49.131	1.7	114	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	841.370	15.9	97	0.00
50 S	Toluene-d8	50.000	50.482	-1.0	121	0.00
51 T	4-Methyl-2-Pentanone	250.000	245.257	1.9	113	0.00
52 CM	Toluene	50.000	52.968	-5.9#	125	0.00
53 T	t-1,3-Dichloropropene	50.000	52.524	-5.0	120	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.573	-5.1	123	0.00
55 T	1,1,2-Trichloroethane	50.000	54.033	-8.1	126	0.00
56 T	Ethyl methacrylate	50.000	50.674	-1.3	118	0.00
57 T	1,3-Dichloropropane	50.000	53.363	-6.7	124	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	262.003	-4.8	118	0.00
59 T	2-Hexanone	250.000	240.561	3.8	111	0.00
60 T	Dibromochloromethane	50.000	57.292	-14.6	130	0.00
61 T	1,2-Dibromoethane	50.000	53.822	-7.6	127	0.00
62 S	4-Bromofluorobenzene	50.000	49.876	0.2	115	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	125	0.00
64 T	Tetrachloroethene	50.000	57.289	-14.6	142	0.00
65 PM	Chlorobenzene	50.000	52.440	-4.9	128	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.264	-4.5	126	0.00
67 C	Ethyl Benzene	50.000	52.068	-4.1#	128	0.00
68 T	m/p-Xylenes	100.000	107.421	-7.4	133	0.00
69 T	o-Xylene	50.000	53.038	-6.1	128	0.00
70 T	Styrene	50.000	53.788	-7.6	130	0.00
71 P	Bromoform	50.000	54.405	-8.8	135	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	131	0.00
73 T	Isopropylbenzene	50.000	49.469	1.1	132	0.00
74 T	N-amyl acetate	50.000	43.734	12.5	112	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.978	8.0	120	0.00
76 T	1,2,3-Trichloropropane	50.000	47.338	5.3	122	0.00
77 T	Bromobenzene	50.000	50.784	-1.6	131	0.00
78 T	n-propylbenzene	50.000	49.754	0.5	129	0.00
79 T	2-Chlorotoluene	50.000	48.685	2.6	129	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.373	3.3	124	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.490	11.0	114	0.00
82 T	4-Chlorotoluene	50.000	48.512	3.0	126	0.00
83 T	tert-Butylbenzene	50.000	47.232	5.5	126	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.907	2.2	126	0.00
85 T	sec-Butylbenzene	50.000	49.531	0.9	127	0.00
86 T	p-Isopropyltoluene	50.000	49.236	1.5	127	0.00
87 T	1,3-Dichlorobenzene	50.000	51.849	-3.7	136	0.00
88 T	1,4-Dichlorobenzene	50.000	50.432	-0.9	133	0.00
89 T	n-Butylbenzene	50.000	48.858	2.3	126	0.00
90 T	Hexachloroethane	50.000	47.054	5.9	121	0.00
91 T	1,2-Dichlorobenzene	50.000	51.202	-2.4	129	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	42.732	14.5	111	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.646	-3.3	130	0.00
94 T	Hexachlorobutadiene	50.000	50.510	-1.0	132	0.00
95 T	Naphthalene	50.000	48.180	3.6	119	0.00

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96 T	1,2,3-Trichlorobenzene	50.000	51.388	-2.8	131	0.00

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